

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                           |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |
|         |      |                                                    |         | COMP04                    | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |      |                                                    |         |                           | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |      |                                                    |         |                           | MID 163 Immobilizer                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |      |                                                    |         |                           | MID 166 TPM Tire pressure monitoring      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |      |                                                    |         |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |      |                                                    |         |                           | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 231 Mobile communication unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |      |                                                    |         |                           | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |

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|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                           |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |         |                                                    | FE                        | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |         |                                                    |                           | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 163 Immobilizer                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |         |                                                    |                           | MID 185 Air Production Management         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |         |                                                    |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |         |                                                    |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |

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|---------|----------------------------------|---------|----------------------------------------------------|----------------------------------|---------------------------------------------|---------------------|------|------|------|----|-------------------------|---------------------------------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                                  |                                             |                     |      |      |      |    |                         |                                                   |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS.        |                                             | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT                     | Spec.Func                                         |  |
|         |                                  |         |                                                    | FH                               | MID 144 Vehicle ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                       | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |         |                                                    |                                  | MID 146 Climate unit                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         |                                                   |  |
|         |                                  |         |                                                    |                                  | MID 150 Air suspension,vehicle              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                                  | MID 163 Immobilizer                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                         |                                                   |  |
|         |                                  |         |                                                    |                                  | MID 216 Outer lighting control unit (LCM)   | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                                  | MID 222 Retarder ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         |                                                   |  |
|         |                                  |         |                                                    |                                  | MID 223 Gearselector ECU                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         |                                                   |  |
|         |                                  |         |                                                    |                                  | MID 231 Mobile communication unit           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                         |                                                   |  |
|         |                                  |         |                                                    |                                  | 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                         |                                                   |  |
|         |                                  |         |                                                    | MID 249 BBM, body builder module | OBD-6;OBD-9;VOLVO-8                         | √                   | √    | √    | √    |    | 1.Parameter,programming |                                                   |  |
|         |                                  |         |                                                    |                                  | MID 128 Engine ECU                          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                       | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                                  | MID 130 Transmission ECU                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         |                                                   |  |
|         |                                  |         |                                                    |                                  | MID 136 Brake ECU                           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         |                                                   |  |
|         |                                  |         |                                                    |                                  | MID 140 Information display                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         | 1.Parameter,programming                           |  |

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|-----------------------------|---------------------|----------------------------------------------------|---------|-------------------------------|-------------------------------------------|---------------------|------|-------------------------|------|----|-----|---------------------------------------------------|--|--|
|                             |                     | Note: The red flag part of the new function module |         |                               |                                           |                     |      |                         |      |    |     |                                                   |  |  |
| VEHICLE                     | MENU                | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.     |                                           | CONNECTOR           | INFO | RDTc                    | CDTC | DS | ACT | Spec.Func                                         |  |  |
|                             |                     |                                                    |         | FH12                          | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|                             |                     |                                                    |         |                               | MID 146 Climate unit                      | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |  |
|                             |                     |                                                    |         |                               | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     | 1.Parameter,programming                           |  |  |
|                             |                     |                                                    |         |                               | MID 163 Immobilizer                       | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    |    |     |                                                   |  |  |
|                             |                     |                                                    |         |                               | MID 166 TPM Tire pressure monitoring      | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    |    |     |                                                   |  |  |
|                             |                     |                                                    |         |                               | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     | 1.Parameter,programming                           |  |  |
|                             |                     |                                                    |         |                               | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |  |
|                             |                     |                                                    |         |                               | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |  |
|                             |                     |                                                    |         |                               | MID 231 Mobile communication unit         | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    |    |     |                                                   |  |  |
|                             |                     |                                                    |         |                               | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     | 1.Parameter,programming                           |  |  |
|                             |                     |                                                    |         | MID 250 Steering Wheel Module | OBD-6;OBD-9;VOLVO-8                       | √                   | √    | √                       | √    |    |     |                                                   |  |  |
|                             |                     |                                                    |         |                               | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  | √   | 1.Parameter,programming                           |  |  |
|                             |                     |                                                    |         |                               | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |  |
|                             |                     |                                                    |         |                               | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |  |
| MID 140 Information display | OBD-6;OBD-9;VOLVO-8 | √                                                  | √       |                               | √                                         | √                   |      | 1.Parameter,programming |      |    |     |                                                   |  |  |

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|-----------------------------|----------------------------------|---------|----------------------------------------------------|-------------------------------|-------------------------------------------|---------------------|------|-------------------------|------|----|-----|---------------------------------------------------|--|
|                             |                                  |         | Note: The red flag part of the new function module |                               |                                           |                     |      |                         |      |    |     |                                                   |  |
| VEHICLE                     | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS.     |                                           | CONNECTOR           | INFO | RDTc                    | CDTC | DS | ACT | Spec.Func                                         |  |
|                             |                                  |         |                                                    | FH16                          | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|                             |                                  |         |                                                    |                               | MID 146 Climate unit                      | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |
|                             |                                  |         |                                                    |                               | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     | 1.Parameter,programming                           |  |
|                             |                                  |         |                                                    |                               | MID 163 Immobilizer                       | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    |    |     |                                                   |  |
|                             |                                  |         |                                                    |                               | MID 166 TPM Tire pressure monitoring      | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    |    |     |                                                   |  |
|                             |                                  |         |                                                    |                               | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     | 1.Parameter,programming                           |  |
|                             |                                  |         |                                                    |                               | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |
|                             |                                  |         |                                                    |                               | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |
|                             |                                  |         |                                                    |                               | MID 231 Mobile communication unit         | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    |    |     |                                                   |  |
|                             |                                  |         |                                                    |                               | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     | 1.Parameter,programming                           |  |
|                             |                                  |         |                                                    | MID 250 Steering Wheel Module | OBD-6;OBD-9;VOLVO-8                       | √                   | √    | √                       | √    |    |     |                                                   |  |
|                             |                                  |         |                                                    |                               | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  | √   | 1.Parameter,programming                           |  |
|                             |                                  |         |                                                    |                               | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |
|                             |                                  |         |                                                    |                               | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |
| MID 140 Information display | OBD-6;OBD-9;VOLVO-8              | √       | √                                                  |                               | √                                         | √                   |      | 1.Parameter,programming |      |    |     |                                                   |  |

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|-----------------------------|---------------------|----------------------------------------------------|---------|-------------------------------|-------------------------------------------|---------------------|------|-------------------------|------|----|-----|---------------------------------------------------|--|
|                             |                     | Note: The red flag part of the new function module |         |                               |                                           |                     |      |                         |      |    |     |                                                   |  |
| VEHICLE                     | MENU                | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.     |                                           | CONNECTOR           | INFO | RDTc                    | CDTC | DS | ACT | Spec.Func                                         |  |
|                             |                     |                                                    |         | FH565                         | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|                             |                     |                                                    |         |                               | MID 146 Climate unit                      | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |
|                             |                     |                                                    |         |                               | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     | 1.Parameter,programming                           |  |
|                             |                     |                                                    |         |                               | MID 163 Immobilizer                       | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    |    |     |                                                   |  |
|                             |                     |                                                    |         |                               | MID 166 TPM Tire pressure monitoring      | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    |    |     |                                                   |  |
|                             |                     |                                                    |         |                               | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     | 1.Parameter,programming                           |  |
|                             |                     |                                                    |         |                               | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |
|                             |                     |                                                    |         |                               | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |
|                             |                     |                                                    |         |                               | MID 231 Mobile communication unit         | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    |    |     |                                                   |  |
|                             |                     |                                                    |         |                               | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     | 1.Parameter,programming                           |  |
|                             |                     |                                                    |         | MID 250 Steering Wheel Module | OBD-6;OBD-9;VOLVO-8                       | √                   | √    | √                       | √    |    |     |                                                   |  |
|                             |                     |                                                    |         |                               | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  | √   | 1.Parameter,programming                           |  |
|                             |                     |                                                    |         |                               | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |
|                             |                     |                                                    |         |                               | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √                       | √    | √  |     |                                                   |  |
| MID 140 Information display | OBD-6;OBD-9;VOLVO-8 | √                                                  | √       |                               | √                                         | √                   |      | 1.Parameter,programming |      |    |     |                                                   |  |

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|---------|----------------------------------|---------|----------------------------------------------------|-------------------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------------------------------|--|--|
|         |                                  |         | Note: The red flag part of the new function module |                                                 |  |                     |      |      |      |    |     |                                                   |  |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS.                       |  | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |  |
|         |                                  |         | FL                                                 | MID 144 Vehicle ECU                             |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |                                  |         |                                                    | MID 185 Air Production Management               |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    | MID 216 Outer lighting control unit (LCM)       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |                                  |         |                                                    | 220 Tachograph                                  |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |  |
|         |                                  |         |                                                    | MID 233 AdBlue Dosing system control unit (ADS) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |  |
|         |                                  |         |                                                    | MID 249 BBM, body builder module                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |                                  |         | VERSION 2                                          | MID 128 Engine ECU                              |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |                                  |         |                                                    | MID 130 Transmission ECU                        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    | MID 136 Brake ECU                               |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    | MID 140 Information display                     |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |                                  |         |                                                    | MID 144 Vehicle ECU                             |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |                                  |         |                                                    | MID 146 Climate unit                            |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |

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|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |                                                    |         | FM                        | MID 150 Air suspension,vehicle                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 163 Immobilizer                             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 216 Outer lighting control unit (LCM)       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 222 Retarder ECU                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 223 Gearselector ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 231 Mobile communication unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 130 Transmission ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 136 Brake ECU                               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 144 Vehicle ECU                             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                           |                     |      |      |      |    |     |                                                   |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |  |
|         |      |                                                    |         | FM12                      | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 163 Immobilizer                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 166 TPM Tire pressure monitoring      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 231 Mobile communication unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                                           |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |                                                    | FM9     | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 163 Immobilizer                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         | MID 166 TPM Tire pressure monitoring      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 231 Mobile communication unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         | MID 146 Climate unit                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                                           |  |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|-------------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                                           |  |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.                 |  | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  | Volvo Trucks                                       | NH12    | MID 150 Air suspension,vehicle            |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 163 Immobilizer                       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         | MID 166 TPM Tire pressure monitoring      |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         | MID 216 Outer lighting control unit (LCM) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 222 Retarder ECU                      |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 223 Gearselector ECU                  |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 231 Mobile communication unit         |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         | MID 249 BBM, body builder module          |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 250 Steering Wheel Module             |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    | VHD     | MID 128 Engine ECU                        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 130 Transmission ECU                  |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 136 Brake ECU                         |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 140 Information display               |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 144 Vehicle ECU                       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         | MID 146 Climate unit                      |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                             |                                           |                     |                     |      |      |    |     | (Note:For reference only)                         |                         |  |
|---------|------|----------------------------------------------------|---------|-----------------------------|-------------------------------------------|---------------------|---------------------|------|------|----|-----|---------------------------------------------------|-------------------------|--|
|         |      | Note: The red flag part of the new function module |         |                             |                                           |                     |                     |      |      |    |     |                                                   |                         |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.   |                                           | CONNECTOR           | INFO                | RDTC | CDTC | DS | ACT | Spec.Func                                         |                         |  |
|         |      |                                                    |         |                             | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     | 1.Parameter,programming                           |                         |  |
|         |      |                                                    |         |                             | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |  |
|         |      |                                                    |         |                             | MID 232 Airbag, control unit (SRS)        | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    |    |     |                                                   |                         |  |
|         |      |                                                    |         | VM                          | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  | √   | 1.Parameter,programming                           |                         |  |
|         |      |                                                    |         |                             | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |                         |  |
|         |      |                                                    |         |                             | MID 165 Engine Gateway                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    |    |     |                                                   |                         |  |
|         |      |                                                    |         |                             | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     | 1.Parameter,programming                           |                         |  |
|         |      |                                                    |         |                             | MID 163 Immobilizer                       | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    |    |     |                                                   |                         |  |
|         |      |                                                    |         |                             | MID 166 TPM Tire pressure monitoring      | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    |    |     |                                                   |                         |  |
|         |      |                                                    |         |                             | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |  |
|         |      |                                                    |         |                             |                                           | MID 128 Engine ECU  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   | √                                                 | 1.Parameter,programming |  |
|         |      |                                                    |         | MID 130 Transmission ECU    |                                           | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |  |
|         |      |                                                    |         | MID 136 Brake ECU           |                                           | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |  |
|         |      |                                                    |         | MID 140 Information display |                                           | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     | 1.Parameter,programming                           |                         |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                           |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |                                                    |         | VN                        | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 232 Airbag, control unit (SRS)        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 163 Immobilizer                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 166 TPM Tire pressure monitoring      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                                           |  |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|------|----------------------------------------------------|---------|-------------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |      | Note: The red flag part of the new function module |         |                                           |  |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.                 |  | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |
|         |      |                                                    | VT      | MID 144 Vehicle ECU                       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |      |                                                    |         | MID 146 Climate unit                      |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         | MID 186 APCS                              |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         | MID 216 Outer lighting control unit (LCM) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |      |                                                    |         | MID 232 Airbag, control unit (SRS)        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |      |                                                    |         | MID 250 Steering Wheel Module             |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         | MID 150 Air suspension,vehicle            |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         | MID 163 Immobilizer                       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |      |                                                    |         | MID 166 TPM Tire pressure monitoring      |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |      |                                                    |         | MID 222 Retarder ECU                      |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    | AC      | MID 128 Engine ECU                        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |      |                                                    |         | MID 140 Information display               |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |      |                                                    |         | MID 144 Vehicle ECU                       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |      |                                                    |         | MID 232 Airbag, control unit (SRS)        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only)                         |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                                                   |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |  |
|         |      |                                                    | FH12    |                           | MID 234 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |      |                                                    |         |                           | MID 150 Air suspension,vehicle     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 171 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    | FH16    |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |

| LAUNCH                    | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                    |                     |      |      |      |    |     |                                                   |
|---------------------------|----------------------------------|---------|----------------------------------------------------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|
| (Note:For reference only) |                                  |         |                                                    |                           |                                    |                     |      |      |      |    |     |                                                   |
|                           |                                  |         | Note: The red flag part of the new function module |                           |                                    |                     |      |      |      |    |     |                                                   |
| VEHICLE                   | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |
|                           |                                  |         |                                                    |                           | MID 150 Air suspension,vehicle     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |
|                           |                                  |         |                                                    |                           | MID 171 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |
|                           |                                  |         |                                                    | FH565                     | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |
|                           |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |
|                           |                                  |         |                                                    |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |
|                           |                                  |         |                                                    |                           | MID 150 Air suspension,vehicle     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |
|                           |                                  |         |                                                    |                           | MID 171 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |
|                           |                                  |         |                                                    | FL6                       | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |
|                           |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |
|                           |                                  |         |                                                    |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                    |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                    |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |         |                                                    |                           | MID 150 Air suspension,vehicle     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 171 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |         |                                                    | FM10                      | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | Service Alert System                              |  |
|         |                                  |         |                                                    |                           | MID 150 Air suspension,vehicle     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 171 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |         |                                                    | FM12                      | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |         |                                                    |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |                         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only)                         |  |  |
|---------|------|----------------------------------------------------|-------------------------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|--|
|         |      | Note: The red flag part of the new function module |                         |                           |                                    |                     |      |      |      |    |     |                                                   |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE                 | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |  |
|         |      |                                                    | Vehicle electronics "98 |                           | MID 150 Air suspension,vehicle     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |                         |                           | MID 171 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |                         | FM7                       | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |                         |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |                         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |                         |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |      |                                                    |                         |                           | MID 150 Air suspension,vehicle     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |                         |                           | MID 171 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |                         |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |                         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                                    |  |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                                    |  |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.          |  | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |                                                    | NH12    | MID 144 Vehicle ECU                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         | MID 150 Air suspension,vehicle     |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 171 Driver information display |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    | NH525   | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 144 Vehicle ECU                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         | MID 150 Air suspension,vehicle     |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 171 Driver information display |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                                    |  |                     |      |      |      |    |     | (Note:For reference only)                         |  |  |
|---------|------|----------------------------------------------------|---------|------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                                    |  |                     |      |      |      |    |     |                                                   |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.          |  | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |  |
|         |      |                                                    | NH565   | MID 144 Vehicle ECU                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |      |                                                    |         | MID 150 Air suspension,vehicle     |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         | MID 171 Driver information display |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    | VHD     | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         | MID 144 Vehicle ECU                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |      |                                                    |         | MID 232 Airbag, control unit (SRS) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |  |
|         |      |                                                    |         | MID 234 Driver information display |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |

| LAUNCH                    | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                                    |  |                     |      |      |      |    |     |                                                   |
|---------------------------|----------------------------------|---------|----------------------------------------------------|------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------------------------------|
| (Note:For reference only) |                                  |         |                                                    |                                    |  |                     |      |      |      |    |     |                                                   |
|                           |                                  |         | Note: The red flag part of the new function module |                                    |  |                     |      |      |      |    |     |                                                   |
| VEHICLE                   | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS.          |  | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |
|                           |                                  |         | VN                                                 | MID 144 Vehicle ECU                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |
|                           |                                  |         |                                                    | MID 232 Airbag, control unit (SRS) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |
|                           |                                  |         |                                                    | MID 234 Driver information display |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |
|                           |                                  |         | WG                                                 | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |
|                           |                                  |         |                                                    | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |
|                           |                                  |         |                                                    | MID 144 Vehicle ECU                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |
|                           |                                  |         |                                                    | MID 232 Airbag, control unit (SRS) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |
|                           |                                  |         |                                                    | MID 234 Driver information display |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |
|                           |                                  |         |                                                    | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |
|                           |                                  |         |                                                    | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                           |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |                                                    | WX      |                           | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         |                           | MID 232 Airbag, control unit (SRS)        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 234 Driver information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    | B12M    |                           | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         |                           | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                           |                     |      |      |      |    |     |                                                   |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         | B12B                      | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |      |                                                    |         |                           | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                               |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |  |
|---------|------|----------------------------------------------------|---------|-------------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                               |                                           |                     |      |      |      |    |     |                                                   |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.     |                                           | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |  |
|         |      |                                                    |         | B12R                          | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                               | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |  |
|         |      |                                                    |         |                               | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |  |
|         |      |                                                    |         |                               | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                               | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |      |                                                    |         |                               | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                               | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                               | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |  |
|         |      |                                                    |         |                               | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |  |  |
|         |      |                                                    |         |                               | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         | MID 250 Steering Wheel Module | OBD-6;OBD-9;VOLVO-8                       | √                   | √    | √    |      |    |     |                                                   |  |  |
|         |      |                                                    |         |                               | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                               | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List |                                                    |                                           |                     |                     |      |      |      |    |                         | (Note:For reference only)                         |  |  |
|---------|------|----------------------------------|----------------------------------------------------|-------------------------------------------|---------------------|---------------------|------|------|------|----|-------------------------|---------------------------------------------------|--|--|
|         |      |                                  | Note: The red flag part of the new function module |                                           |                     |                     |      |      |      |    |                         |                                                   |  |  |
| VEHICLE | MENU | COMPANY                          | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS.                 |                     | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT                     | Spec.Func                                         |  |  |
|         |      |                                  | B7L                                                | MID 136 Brake ECU                         |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         |                                                   |  |  |
|         |      |                                  |                                                    | MID 140 Information display               |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         | 1.Parameter,programming                           |  |  |
|         |      |                                  |                                                    | MID 144 Vehicle ECU                       |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                       | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |      |                                  |                                                    | MID 150 Air suspension,vehicle            |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         | 1.Parameter,programming                           |  |  |
|         |      |                                  |                                                    | MID 216 Outer lighting control unit (LCM) |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         | 1.Parameter,programming                           |  |  |
|         |      |                                  |                                                    | MID 222 Retarder ECU                      |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         |                                                   |  |  |
|         |      |                                  |                                                    | MID 223 Gearselector ECU                  |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         |                                                   |  |  |
|         |      |                                  |                                                    | MID 249 BBM, body builder module          |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         | 1.Parameter,programming                           |  |  |
|         |      |                                  |                                                    | MID 250 Steering Wheel Module             |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                         |                                                   |  |  |
|         |      |                                  |                                                    | MID 128 Engine ECU                        |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    | √                       | 1.Parameter,programming                           |  |  |
|         |      |                                  | MID 130 Transmission ECU                           |                                           | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    |      |    |                         |                                                   |  |  |
|         |      |                                  | MID 136 Brake ECU                                  |                                           | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    |      |    |                         |                                                   |  |  |
|         |      |                                  | MID 140 Information display                        |                                           | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    |      |    | 1.Parameter,programming |                                                   |  |  |

| LAUNCH                    | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                           |                     |      |      |      |    |     |                                                   |
|---------------------------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|
| (Note:For reference only) |                                  |                                                    |         |                           |                                           |                     |      |      |      |    |     |                                                   |
|                           |                                  | Note: The red flag part of the new function module |         |                           |                                           |                     |      |      |      |    |     |                                                   |
| VEHICLE                   | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |
|                           |                                  |                                                    |         | B6R                       | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    | √   | 1.Service Alert System<br>2.Parameter,programming |
|                           |                                  |                                                    |         |                           | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | 1.Parameter,programming                           |
|                           |                                  |                                                    |         |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | 1.Parameter,programming                           |
|                           |                                  |                                                    |         |                           | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |
|                           |                                  |                                                    |         |                           | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |
|                           |                                  |                                                    |         |                           | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | 1.Parameter,programming                           |
|                           |                                  |                                                    |         |                           | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                                                   |
|                           |                                  |                                                    |         |                           | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |
|                           |                                  |                                                    |         |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |
|                           |                                  |                                                    |         |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |
|                           |                                  |                                                    |         |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                      |                             |                                              |                     |      |      |      |    |                             | (Note:For reference only)                                |  |
|---------|----------------------------------|---------|------------------------------------------------------|-----------------------------|----------------------------------------------|---------------------|------|------|------|----|-----------------------------|----------------------------------------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module   |                             |                                              |                     |      |      |      |    |                             |                                                          |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                              | MODEL / SYSTEM / SUB.SYS.   |                                              | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT                         | Spec.Func                                                |  |
|         |                                  |         | Multiple<br>xed<br>electrical<br>system<br>version 2 | B7R                         | MID 144 Vehicle ECU                          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                           | 1.Service Alert<br>System<br>2.Parameter,progra<br>mming |  |
|         |                                  |         |                                                      |                             | MID 150 Air suspension,vehicle               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                             | 1.Parameter,progra<br>mming                              |  |
|         |                                  |         |                                                      |                             | MID 216 Outer lighting control unit<br>(LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                             | 1.Parameter,progra<br>mming                              |  |
|         |                                  |         |                                                      |                             | MID 222 Retarder ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                             |                                                          |  |
|         |                                  |         |                                                      |                             | MID 223 Gearselector ECU                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                             |                                                          |  |
|         |                                  |         |                                                      |                             | MID 249 BBM, body builder module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                             | 1.Parameter,progra<br>mming                              |  |
|         |                                  |         |                                                      |                             | MID 250 Steering Wheel Module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                             |                                                          |  |
|         |                                  |         |                                                      | MID 128 Engine ECU          | OBD-6;OBD-9;VOLVO-8                          | √                   | √    | √    | √    | √  | 1.Parameter,progra<br>mming |                                                          |  |
|         |                                  |         |                                                      | MID 130 Transmission ECU    | OBD-6;OBD-9;VOLVO-8                          | √                   | √    | √    | √    |    |                             |                                                          |  |
|         |                                  |         |                                                      | MID 136 Brake ECU           | OBD-6;OBD-9;VOLVO-8                          | √                   | √    | √    | √    |    |                             |                                                          |  |
|         |                                  |         |                                                      | MID 140 Information display | OBD-6;OBD-9;VOLVO-8                          | √                   | √    | √    | √    |    | 1.Parameter,progra<br>mming |                                                          |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                           |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |                                                    |         | B9R                       | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         |                           | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                           |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |                                                    |         | B9S                       | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         |                           | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                                           |  |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|-------------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                                           |  |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.                 |  | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  | Volvo Buses                                        | B9TL    | MID 144 Vehicle ECU                       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         | MID 150 Air suspension,vehicle            |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 216 Outer lighting control unit (LCM) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 222 Retarder ECU                      |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 223 Gearselector ECU                  |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 249 BBM, body builder module          |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 250 Steering Wheel Module             |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 128 Engine ECU                        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 130 Transmission ECU                  |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 136 Brake ECU                         |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 140 Information display               |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                                           |  |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|-------------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                                           |  |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.                 |  | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |                                                    | B9L     | MID 144 Vehicle ECU                       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         | MID 150 Air suspension,vehicle            |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 216 Outer lighting control unit (LCM) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 222 Retarder ECU                      |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 223 Gearselector ECU                  |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 249 BBM, body builder module          |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 250 Steering Wheel Module             |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 128 Engine ECU                        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         | MID 130 Transmission ECU                  |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 136 Brake ECU                         |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         | MID 140 Information display               |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                           |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |                                                    |         | PREVH                     | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         |                           | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                           |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                           |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                           | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |
|         |                                  |                                                    | PREVX   |                           | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         |                           | MID 150 Air suspension,vehicle            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 216 Outer lighting control unit (LCM) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 222 Retarder ECU                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 223 Gearselector ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 250 Steering Wheel Module             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    | B12M    |                           | MID 128 Engine ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |                                  |                                                    |         |                           | MID 130 Transmission ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 136 Brake ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |                                  |                                                    |         |                           | MID 144 Vehicle ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |                                  |                                                    |         |                           | MID 164 Chassis ECU                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only)                         |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                                                   |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                                         |  |  |
|         |      |                                                    |         |                           | MID 222 Retarder ECU               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 223 Gearselector ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 234 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         | B12B                      | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 136 Brake ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |      |                                                    |         |                           | MID 164 Chassis ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 222 Retarder ECU               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 223 Gearselector ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 234 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         | B7L                       | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 136 Brake ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |      |                                                    |         |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                    |                     |      |      |      |    |     | (Note:For reference only)                         |  |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                    |                     |      |      |      |    |     |                                                   |  |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |  |
|         |                                  |         |                                                    |                           | MID 164 Chassis ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    |                           | MID 222 Retarder ECU               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    |                           | MID 223 Gearselector ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    |                           | MID 234 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    | B10B                      | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |                                  |         |                                                    |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    |                           | MID 136 Brake ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |  |
|         |                                  |         |                                                    |                           | MID 164 Chassis ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    |                           | MID 222 Retarder ECU               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    |                           | MID 223 Gearselector ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    |                           | MID 234 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |  |
|         |                                  |         |                                                    |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |
|         |                                  |         |                                                    |                           | MID 136 Brake ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List |                                                    |                           |                                    |                     |      |      |      |    |     | (Note:For reference only)                                |  |  |
|---------|------|----------------------------------|----------------------------------------------------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|----------------------------------------------------------|--|--|
|         |      |                                  | Note: The red flag part of the new function module |                           |                                    |                     |      |      |      |    |     |                                                          |  |  |
| VEHICLE | MENU | COMPANY                          | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                                |  |  |
|         |      |                                  | Multiple<br>xed<br>electrical<br>system            | B10L                      | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert<br>System<br>2.Parameter,progra<br>mming |  |  |
|         |      |                                  |                                                    |                           | MID 164 Chassis ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |
|         |      |                                  |                                                    |                           | MID 222 Retarder ECU               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |
|         |      |                                  |                                                    |                           | MID 223 Gearselector ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |
|         |      |                                  |                                                    |                           | MID 234 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |
|         |      |                                  |                                                    | B12                       | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,progra<br>mming                              |  |  |
|         |      |                                  |                                                    |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |
|         |      |                                  |                                                    |                           | MID 136 Brake ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |
|         |      |                                  |                                                    |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert<br>System<br>2.Parameter,progra<br>mming |  |  |
|         |      |                                  |                                                    |                           | MID 164 Chassis ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |
|         |      |                                  |                                                    |                           | MID 222 Retarder ECU               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |
|         |      |                                  |                                                    |                           | MID 223 Gearselector ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |
|         |      |                                  |                                                    |                           | MID 234 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |
|         |      |                                  |                                                    |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,progra<br>mming                              |  |  |
|         |      |                                  |                                                    |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                          |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only)                         |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------------------------------|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                                                   |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                                         |  |
|         |      |                                                    |         | B7R                       | MID 136 Brake ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |      |                                                    |         |                           | MID 164 Chassis ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 222 Retarder ECU               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 223 Gearselector ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 234 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         | B9R                       | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 136 Brake ECU                  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 144 Vehicle ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |  |
|         |      |                                                    |         |                           | MID 164 Chassis ECU                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 222 Retarder ECU               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 223 Gearselector ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 234 Driver information display | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                                                   |  |
|         |      |                                                    |         |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming                           |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                                    |                    |                     |                     |      |      |    |     | (Note:For reference only)                         |                         |
|---------|------|----------------------------------------------------|---------|------------------------------------|--------------------|---------------------|---------------------|------|------|----|-----|---------------------------------------------------|-------------------------|
|         |      | Note: The red flag part of the new function module |         |                                    |                    |                     |                     |      |      |    |     |                                                   |                         |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.          |                    | CONNECTOR           | INFO                | RDTc | CDTC | DS | ACT | Spec.Func                                         |                         |
|         |      |                                                    | B9S     | MID 130 Transmission ECU           |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | MID 136 Brake ECU                  |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | MID 144 Vehicle ECU                |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |                         |
|         |      |                                                    |         | MID 164 Chassis ECU                |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | MID 222 Retarder ECU               |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | MID 223 Gearselector ECU           |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | MID 234 Driver information display |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    | B9TL    | MID 128 Engine ECU                 |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  | √   | 1.Parameter,programming                           |                         |
|         |      |                                                    |         | MID 130 Transmission ECU           |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | MID 136 Brake ECU                  |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | MID 144 Vehicle ECU                |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  | √   | 1.Service Alert System<br>2.Parameter,programming |                         |
|         |      |                                                    |         | MID 164 Chassis ECU                |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | MID 222 Retarder ECU               |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | MID 223 Gearselector ECU           |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | MID 234 Driver information display |                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                                                   |                         |
|         |      |                                                    |         | L105                               | MID 128 Engine ECU |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   | √                                                 | 1.Parameter,programming |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                              |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                              |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                              | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | L110E                     | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | L110F                     | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | L110G                     | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | L120E                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | L120F                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | L120G                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      |                                  | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                          | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                  |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    | L150E                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    | L150F                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | L150G                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | L180E                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |

| LAUNCH                    | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                                 |                     |      |      |      |    |     |                          |
|---------------------------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|--------------------------|
| (Note:For reference only) |                                  |                                                    |         |                           |                                                 |                     |      |      |      |    |     |                          |
|                           |                                  | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                          |
| VEHICLE                   | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                |
|                           |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|                           |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |
|                           |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |                                                    |         | L180F                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |
|                           |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|                           |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |
|                           |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    |         | L180G                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | L220E                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | L220F                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | L220G                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |

| LAUNCH                    | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                                 |                     |      |      |      |    |     |                          |
|---------------------------|----------------------------------|---------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|--------------------------|
| (Note:For reference only) |                                  |         |                                                    |                           |                                                 |                     |      |      |      |    |     |                          |
|                           |                                  |         | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                          |
| VEHICLE                   | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                |
|                           |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |
|                           |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |         |                                                    | L250G                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |
|                           |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|                           |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |
|                           |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |         |                                                    | L30G                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |
|                           |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |         | WHEEL<br>LOADER                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    | L330E                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    | L350F                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    | L35G                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      |                                  | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                          | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                  |                                                    | L45F-TP                   | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    | L45F-TPS                  | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    | L45G-TP                   | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | L45G-TPS                  | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | L50F-TP                   | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | L50F-TPS                  | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | L60E                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    | L60F                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    | L60G                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      |                                  | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                          | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
| Vehic   |      |                                  |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    | L70E                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    | L70F                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |

| LAUNCH   |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |                         |  |
|----------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|-------------------------|--|
|          |      | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |                         |  |
| VEHICLE  | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |                         |  |
| HD_VOLVO |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |                         |  |
|          |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |                         |  |
|          |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |                         |  |
|          |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |                         |  |
|          |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |
|          |      |                                                    |         | L70G                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |                         |  |
|          |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |
|          |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |                         |  |
|          |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |                         |  |
|          |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |                         |  |
|          |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |                         |  |
|          |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |
|          |      |                                                    |         | L90E                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | √                         | 1.Parameter,programming |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | L90F                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |         |                                                    | L90G                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    | A25D                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 130 Transmission ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    | A25E                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 130 Transmission ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |      |                                                    |         | A25F                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |      |                                                    |         | A30D                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         | A30E                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | A30F                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | A35D                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      |                                  | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                          | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                  | Articulated haulers                                |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    | A35E                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 130 Transmission ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    | A35F                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                  |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                              |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                              |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                              | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         | A40D                      | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | A40E                      | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | A40F                      | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    | A450D                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         | G710R                                              |                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    |         | G710B                     | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | G720B                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List |                                                    |                                                 |  |                     |      |      |      |    |     | (Note:For reference only) |                         |  |
|---------|------|----------------------------------|----------------------------------------------------|-------------------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------|-------------------------|--|
|         |      |                                  | Note: The red flag part of the new function module |                                                 |  |                     |      |      |      |    |     |                           |                         |  |
| VEHICLE | MENU | COMPANY                          | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS.                       |  | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |                         |  |
|         |      |                                  | G726B                                              | MID 146 Climate unit                            |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |                         |  |
|         |      |                                  |                                                    | MID 187 VEHICLE CONTROL UNIT                    |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |                         |  |
|         |      |                                  |                                                    | MID 233 AdBlue Dosing system control unit (ADS) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |                         |  |
|         |      |                                  |                                                    | MID 249 BBM, body builder module                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |
|         |      |                                  | G730B                                              | MID 128 Engine ECU                              |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   |                           | 1.Parameter,programming |  |
|         |      |                                  |                                                    | MID 140 Information display                     |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |
|         |      |                                  |                                                    | MID 142 Volvo Link                              |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |                         |  |
|         |      |                                  |                                                    | MID 146 Climate unit                            |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |                         |  |
|         |      |                                  |                                                    | MID 187 VEHICLE CONTROL UNIT                    |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |                         |  |
|         |      |                                  |                                                    | MID 233 AdBlue Dosing system control unit (ADS) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |                         |  |
|         |      |                                  |                                                    | MID 249 BBM, body builder module                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |
|         |      |                                  |                                                    | MID 128 Engine ECU                              |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   |                           | 1.Parameter,programming |  |
|         |      |                                  |                                                    | MID 140 Information display                     |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                                 |                     |      |      |      |    | (Note:For reference only) |                          |                         |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|---------------------------|--------------------------|-------------------------|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |                           |                          |                         |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT                       | Spec.Func                |                         |
|         |                                  |                                                    |         | G740B                     | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |                         |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |                         |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           | ARO Automatic idle delay |                         |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           |                          |                         |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |                         |
|         |                                  |                                                    |         | G746B                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                         |                          | 1.Parameter,programming |
|         |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          | 1.Parameter,programming |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |                         |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |                         |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           | ARO Automatic idle delay |                         |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           |                          |                         |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |                         |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                         |                          | 1.Parameter,programming |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    |         | G780B                     | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | G930                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                                                 |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|-------------------------------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                                                 |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.                       |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    | Grader  | G930B                                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                                                 | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                                                 | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                                                 | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                                                 | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                                                 | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         |                                                 | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | G940                                            | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                                                 | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                                                 | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                                                 | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                                                 | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8                             | √                   | √    | √    |      |    |     |                           |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    | G940B                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    | G946                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                                 |                     |      |      |      |    | (Note:For reference only) |                          |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|---------------------------|--------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |                           |                          |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT                       | Spec.Func                |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           |                          |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |  |
|         |                                  |         |                                                    | G946B                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                         | 1.Parameter,programming  |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           | ARO Automatic idle delay |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           |                          |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |  |
|         |                                  |         |                                                    | G960                      | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                         | 1.Parameter,programming  |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         | G500                      | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | G960B                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                                                 |  |                     |      |      |      |    |     | (Note:For reference only) |                         |  |
|---------|------|----------------------------------------------------|---------|-------------------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------|-------------------------|--|
|         |      | Note: The red flag part of the new function module |         |                                                 |  |                     |      |      |      |    |     |                           |                         |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.                       |  | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |                         |  |
|         |      |                                                    | G970    | MID 146 Climate unit                            |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |                         |  |
|         |      |                                                    |         | MID 187 VEHICLE CONTROL UNIT                    |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |                         |  |
|         |      |                                                    |         | MID 233 AdBlue Dosing system control unit (ADS) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |                         |  |
|         |      |                                                    |         | MID 249 BBM, body builder module                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |
|         |      |                                                    | G976    | MID 128 Engine ECU                              |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   |                           | 1.Parameter,programming |  |
|         |      |                                                    |         | MID 140 Information display                     |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |
|         |      |                                                    |         | MID 142 Volvo Link                              |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |                         |  |
|         |      |                                                    |         | MID 146 Climate unit                            |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |                         |  |
|         |      |                                                    |         | MID 187 VEHICLE CONTROL UNIT                    |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |                         |  |
|         |      |                                                    |         | MID 233 AdBlue Dosing system control unit (ADS) |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |                         |  |
|         |      |                                                    |         | MID 249 BBM, body builder module                |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |
|         |      |                                                    |         | MID 128 Engine ECU                              |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   |                           | 1.Parameter,programming |  |
|         |      |                                                    |         | MID 140 Information display                     |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |                         |  |

| LAUNCH                    | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                                 |                     |      |      |      |    |     |                          |
|---------------------------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|--------------------------|
| (Note:For reference only) |                                  |                                                    |         |                           |                                                 |                     |      |      |      |    |     |                          |
|                           |                                  | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                          |
| VEHICLE                   | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                |
|                           |                                  |                                                    |         | G990                      | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|                           |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |
|                           |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |                                                    |         | MC110B                    | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |
|                           |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|                           |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |
|                           |                                  |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |                                                    |         |                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |

| LAUNCH                    | HD_VOLVO V15.28 Diagnostics List |                                                    |                         |                           |                                                 |                     |      |      |      |    |     |                          |
|---------------------------|----------------------------------|----------------------------------------------------|-------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|--------------------------|
| (Note:For reference only) |                                  |                                                    |                         |                           |                                                 |                     |      |      |      |    |     |                          |
|                           |                                  | Note: The red flag part of the new function module |                         |                           |                                                 |                     |      |      |      |    |     |                          |
| VEHICLE                   | MENU                             | COMPANY                                            | VEHICLE                 | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                |
|                           |                                  | VOLVO<br>CONSTRUCTION<br>EQUIPMENT                 | Skidste<br>er<br>Loader | MC60B                     | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |                                                    |                         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |                         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |                         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|                           |                                  |                                                    |                         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |
|                           |                                  |                                                    |                         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |                                                    |                         | MC70B                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |
|                           |                                  |                                                    |                         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |                                                    |                         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |                         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |                                                    |                         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|                           |                                  |                                                    |                         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |
|                           |                                  |                                                    |                         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    |         | MC80B                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         | MC90B                     | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         | EC55C                                              |                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         | EC80D                                              |                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                                 |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |         | Compact Excavator                                  |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    | ECR58D                    | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    | ECR88                     | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                                 |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|-------------------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                                 |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                                 | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         | ECR88                     | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | ECR88D                    | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit                            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 249 BBM, body builder module                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 128 Engine ECU                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List |                                                    |                                                 |                              |                     |                     |      |      |    |     | (Note:For reference only) |                          |                         |  |
|---------|------|----------------------------------|----------------------------------------------------|-------------------------------------------------|------------------------------|---------------------|---------------------|------|------|----|-----|---------------------------|--------------------------|-------------------------|--|
|         |      |                                  | Note: The red flag part of the new function module |                                                 |                              |                     |                     |      |      |    |     |                           |                          |                         |  |
| VEHICLE | MENU | COMPANY                          | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS.                       |                              | CONNECTOR           | INFO                | RDTc | CDTC | DS | ACT | Spec.Func                 |                          |                         |  |
|         |      |                                  | EW60C                                              | MID 146 Climate unit                            |                              | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                           |                          |                         |  |
|         |      |                                  |                                                    | MID 187 VEHICLE CONTROL UNIT                    |                              | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    |    |     | ARO Automatic idle delay  |                          |                         |  |
|         |      |                                  |                                                    | MID 233 AdBlue Dosing system control unit (ADS) |                              | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    |    |     |                           |                          |                         |  |
|         |      |                                  |                                                    | MID 249 BBM, body builder module                |                              | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     | 1.Parameter,programming   |                          |                         |  |
|         |      |                                  | EC135B                                             | MID 128 Engine ECU                              |                              | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  | √   |                           | 1.Parameter,programming  |                         |  |
|         |      |                                  |                                                    | MID 140 Information display                     |                              | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     | 1.Parameter,programming   |                          |                         |  |
|         |      |                                  |                                                    | MID 142 W-ECU                                   |                              | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    | √  |     |                           |                          |                         |  |
|         |      |                                  |                                                    | MID 187 VEHICLE CONTROL UNIT                    |                              | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √    |    |     | ARO Automatic idle delay  |                          |                         |  |
|         |      |                                  |                                                    | EC140B                                          | MID 128 Engine ECU           |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   | √                         |                          |                         |  |
|         |      |                                  |                                                    |                                                 | MID 140 Information display  |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   |                           |                          |                         |  |
|         |      |                                  |                                                    |                                                 | MID 142 W-ECU                |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   |                           |                          |                         |  |
|         |      |                                  |                                                    |                                                 | MID 187 VEHICLE CONTROL UNIT |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  |     |                           | ARO Automatic idle delay |                         |  |
|         |      |                                  |                                                    | EC140C                                          | MID 128 Engine ECU           |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   | √                         |                          | 1.Parameter,programming |  |
|         |      |                                  |                                                    |                                                 | MID 140 Information display  |                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   |                           | 1.Parameter,programming  |                         |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                    |                     |      |      |    |     |           | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|----|-----|-----------|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |    |     |           |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. | CONNECTOR                          | INFO                | RDTc | CDTC | DS | ACT | Spec.Func |                           |  |  |
|         |      |                                                    |         | EC140C                    | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   |           |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   |           |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  |     |           | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | EC140D                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   | √         | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   |           | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   |           |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   |           |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  |     |           | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  |     |           |                           |  |  |
|         |      |                                                    |         | EC160B                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   | √         | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   |           | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   |           |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  |     |           | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √  | √   | √         | 1.Parameter,programming   |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    |         | EC160C                    | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         | EC160D                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         | EC180B                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                                    |  |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                                    |  |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.          |  | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    | EC180C  | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | MID 142 Volvo Link                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         | MID 146 Climate unit               |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         | MID 187 VEHICLE CONTROL UNIT       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    | EC180D  | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | MID 142 Volvo Link                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         | MID 146 Climate unit               |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         | MID 187 VEHICLE CONTROL UNIT       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         | MID 233 Aftertreatment Control Mod |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    | EC200B  | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | MID 187 VEHICLE CONTROL UNIT       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                              |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                              |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                              | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         | EC200D                    | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | EC210B                    | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | EC210C                    | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                    |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    | EC220D                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    | EC235C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |

| LAUNCH                    | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                    |                              |                              |                     |                     |    |     |                          |                          |                          |
|---------------------------|----------------------------------|---------|----------------------------------------------------|---------------------------|------------------------------------|------------------------------|------------------------------|---------------------|---------------------|----|-----|--------------------------|--------------------------|--------------------------|
| (Note:For reference only) |                                  |         |                                                    |                           |                                    |                              |                              |                     |                     |    |     |                          |                          |                          |
|                           |                                  |         | Note: The red flag part of the new function module |                           |                                    |                              |                              |                     |                     |    |     |                          |                          |                          |
| VEHICLE                   | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR                    | INFO                         | RDTc                | CDTC                | DS | ACT | Spec.Func                |                          |                          |
|                           |                                  |         |                                                    | EC235D                    | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8          | √                            | √                   | √                   | √  |     |                          |                          |                          |
|                           |                                  |         |                                                    |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8          | √                            | √                   | √                   | √  |     |                          |                          |                          |
|                           |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8          | √                            | √                   | √                   |    |     | ARO Automatic idle delay |                          |                          |
|                           |                                  |         |                                                    |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8          | √                            | √                   | √                   |    |     |                          |                          |                          |
|                           |                                  |         |                                                    |                           | EC240B                             | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8          | √                   | √                   | √  | √   | √                        | 1.Parameter,programming  |                          |
|                           |                                  |         |                                                    |                           |                                    | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8          | √                   | √                   | √  | √   |                          | 1.Parameter,programming  |                          |
|                           |                                  |         |                                                    |                           |                                    | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8          | √                   | √                   | √  | √   |                          |                          |                          |
|                           |                                  |         |                                                    |                           |                                    | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8          | √                   | √                   | √  |     |                          | ARO Automatic idle delay |                          |
|                           |                                  |         |                                                    |                           |                                    | EC240C                       | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √                   | √  | √   | √                        | √                        | 1.Parameter,programming  |
|                           |                                  |         |                                                    |                           |                                    |                              | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √                   | √  | √   | √                        |                          | 1.Parameter,programming  |
|                           |                                  |         |                                                    |                           |                                    |                              | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √                   | √  | √   | √                        |                          |                          |
|                           |                                  |         |                                                    |                           |                                    |                              | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √                   | √  | √   | √                        |                          |                          |
|                           |                                  |         |                                                    |                           |                                    |                              | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √                   | √  | √   |                          |                          | ARO Automatic idle delay |
|                           |                                  |         |                                                    |                           |                                    |                              |                              | MID 128 Engine ECU  | OBD-6;OBD-9;VOLVO-8 | √  | √   | √                        | √                        | √                        |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    |         | EC250D                    | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         | EC290B                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         | EC290C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    |         | EC300D                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         | EC330B                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         | EC330C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|---------|----------------------------------------------------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  |         | Note: The red flag part of the new function module |                           |                                    |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    | EC340D                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |         |                                                    | EC350D                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |         |                                                    | EC360B                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |

| LAUNCH                    | HD_VOLVO V15.28 Diagnostics List |         |                                                    |                           |                                    |                     |      |      |      |    |     |                          |
|---------------------------|----------------------------------|---------|----------------------------------------------------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|--------------------------|
| (Note:For reference only) |                                  |         |                                                    |                           |                                    |                     |      |      |      |    |     |                          |
|                           |                                  |         | Note: The red flag part of the new function module |                           |                                    |                     |      |      |      |    |     |                          |
| VEHICLE                   | MENU                             | COMPANY | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                |
|                           |                                  |         |                                                    |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|                           |                                  |         |                                                    | EC360C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |
|                           |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |         |                                                    |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |         |                                                    |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|                           |                                  |         |                                                    | EC380D                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |
|                           |                                  |         |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|                           |                                  |         |                                                    |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |         |                                                    |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|                           |                                  |         |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|                           |                                  |         |                                                    |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |
|                           |                                  |         |                                                    |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         | EC460B                    | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | EC460C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | EC480D                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |           |                              |                              |                     |      |      |      |    |                          | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|-----------|------------------------------|------------------------------|---------------------|------|------|------|----|--------------------------|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |           |                              |                              |                     |      |      |      |    |                          |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE   | MODEL / SYSTEM / SUB.SYS.    |                              | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT                      | Spec.Func                 |  |  |
|         |      |                                                    | Excavator | EC700B                       | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                        | 1.Parameter,programming   |  |  |
|         |      |                                                    |           |                              | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                          | 1.Parameter,programming   |  |  |
|         |      |                                                    |           |                              | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                          |                           |  |  |
|         |      |                                                    |           |                              | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                          | ARO Automatic idle delay  |  |  |
|         |      |                                                    | EC700C    | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8          | √                   | √    | √    | √    | √  | 1.Parameter,programming  |                           |  |  |
|         |      |                                                    |           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8          | √                   | √    | √    | √    |    | 1.Parameter,programming  |                           |  |  |
|         |      |                                                    |           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8          | √                   | √    | √    | √    |    |                          |                           |  |  |
|         |      |                                                    |           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8          | √                   | √    | √    | √    |    |                          |                           |  |  |
|         |      |                                                    |           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8          | √                   | √    | √    |      |    | ARO Automatic idle delay |                           |  |  |
|         |      |                                                    | ECR145C   | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8          | √                   | √    | √    | √    | √  | 1.Parameter,programming  |                           |  |  |
|         |      |                                                    |           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8          | √                   | √    | √    | √    |    | 1.Parameter,programming  |                           |  |  |
|         |      |                                                    |           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8          | √                   | √    | √    | √    |    |                          |                           |  |  |
|         |      |                                                    |           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8          | √                   | √    | √    | √    |    |                          |                           |  |  |
|         |      |                                                    |           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8          | √                   | √    | √    |      |    | ARO Automatic idle delay |                           |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         | ECR145D                   | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         | ECR235C                   | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | ECR235D                   | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         | ECR305C                   | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         | EW140B                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         | EW140C                    | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | EW140D                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         | EW145B                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                              |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                              |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                              | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         | EW160B                    | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | EW160C                    | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 130 Transmission ECU     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         | EW160D                    | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         |                           | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                    |                     |      |      |      |    |     |                          |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|--------------------------|
| H       | (Note:For reference only)        |                                                    |         |                           |                                    |                     |      |      |      |    |     |                          |
|         |                                  | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                          |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|         |                                  |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |
|         |                                  |                                                    |         | EW180B                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 130 Transmission ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|         |                                  |                                                    |         | EW180C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                                    |  |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|------------------------------------|--|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                                    |  |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.          |  | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    | EW180D  | MID 142 Volvo Link                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         | MID 146 Climate unit               |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         | MID 187 VEHICLE CONTROL UNIT       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | MID 233 Aftertreatment Control Mod |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    | EW200B  | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | MID 130 Transmission ECU           |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | MID 142 Volvo Link                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         | MID 187 VEHICLE CONTROL UNIT       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    | EW210C  | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | MID 140 Information display        |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         | MID 142 Volvo Link                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         | MID 146 Climate unit               |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         | MID 187 VEHICLE CONTROL UNIT       |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | MID 128 Engine ECU                 |  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                    |                     |      |      |      |    | (Note:For reference only) |                          |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|---------------------------|--------------------------|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |                           |                          |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT                       | Spec.Func                |
|         |                                  |                                                    |         | EW210D                    | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           | ARO Automatic idle delay |
|         |                                  |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           |                          |
|         |                                  |                                                    |         | EW230C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                         | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           | ARO Automatic idle delay |
|         |                                  |                                                    |         | FB2800C                   | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                         | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |
|         |                                  |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           | ARO Automatic idle delay |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                              |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                              |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                              | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    |         | FBR2800C                  | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | FC2121C                   | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                                    |         | FC2421C                   | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                              |                     |      |      |      |    | (Note:For reference only) |                          |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|------------------------------|---------------------|------|------|------|----|---------------------------|--------------------------|
|         |                                  | Note: The red flag part of the new function module |         |                           |                              |                     |      |      |      |    |                           |                          |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                              | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT                       | Spec.Func                |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           | ARO Automatic idle delay |
|         |                                  |                                                    |         | FC2924C                   | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                         | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |
|         |                                  |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           | ARO Automatic idle delay |
|         |                                  |                                                    |         | FC3329C                   | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                         | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |
|         |                                  |                                                    |         |                           | MID 146 Climate unit         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |                           | ARO Automatic idle delay |
|         |                                  |                                                    |         | PL3005D                   | MID 128 Engine ECU           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √                         | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 140 Information display  | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           | 1.Parameter,programming  |
|         |                                  |                                                    |         |                           | MID 142 Volvo Link           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |                           |                          |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only)   |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|-----------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                             |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                   |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                             |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay    |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                             |  |  |
|         |      |                                                    |         | PL4608                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,progra<br>mming |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,progra<br>mming |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                             |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                             |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay    |  |  |
|         |      |                                                    |         | PL4611                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,progra<br>mming |  |  |
|         |      |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,progra<br>mming |  |  |
|         |      |                                                    |         |                           | MID 142 Volvo Link                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                             |  |  |
|         |      |                                                    |         |                           | MID 146 Climate unit               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                             |  |  |
|         |      |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay    |  |  |
|         |      |                                                    |         |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,progra<br>mming |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                                    |                                    |                     |                     |      |                     |    |     | (Note:For reference only) |                         |   |
|---------|------|----------------------------------------------------|---------|------------------------------------|------------------------------------|---------------------|---------------------|------|---------------------|----|-----|---------------------------|-------------------------|---|
|         |      | Note: The red flag part of the new function module |         |                                    |                                    |                     |                     |      |                     |    |     |                           |                         |   |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.          |                                    | CONNECTOR           | INFO                | RDTC | CDTC                | DS | ACT | Spec.Func                 |                         |   |
|         |      |                                                    | PL4808D | MID 140 Information display        |                                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √                   | √  |     | 1.Parameter,programming   |                         |   |
|         |      |                                                    |         | MID 142 Volvo Link                 |                                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √                   | √  |     |                           |                         |   |
|         |      |                                                    |         | MID 146 Climate unit               |                                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √                   | √  |     |                           |                         |   |
|         |      |                                                    |         | MID 187 VEHICLE CONTROL UNIT       |                                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √                   |    |     | ARO Automatic idle delay  |                         |   |
|         |      |                                                    |         | MID 233 Aftertreatment Control Mod |                                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √                   |    |     |                           |                         |   |
|         |      |                                                    | PL7015  | MID 128 Engine ECU                 |                                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √                   | √  | √   | 1.Parameter,programming   |                         |   |
|         |      |                                                    |         | MID 140 Information display        |                                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √                   | √  |     | 1.Parameter,programming   |                         |   |
|         |      |                                                    |         | MID 142 Volvo Link                 |                                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √                   | √  |     |                           |                         |   |
|         |      |                                                    |         | MID 146 Climate unit               |                                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √                   | √  |     |                           |                         |   |
|         |      |                                                    |         | MID 187 VEHICLE CONTROL UNIT       |                                    | OBD-6;OBD-9;VOLVO-8 | √                   | √    | √                   |    |     | ARO Automatic idle delay  |                         |   |
|         |      |                                                    |         | ABG7820E                           | MID 128 Engine ECU                 |                     | OBD-6;OBD-9;VOLVO-8 | √    | √                   | √  | √   | √                         | 1.Parameter,programming |   |
|         |      |                                                    |         |                                    | ABG8820E                           |                     | MID 128 Engine ECU  |      | OBD-6;OBD-9;VOLVO-8 | √  | √   | √                         | √                       | √ |
|         |      |                                                    |         | P5770C                             | MID 128 Engine ECU                 |                     | OBD-6;OBD-9;VOLVO-8 | √    | √                   | √  | √   | √                         | 1.Parameter,programming |   |
|         |      |                                                    |         |                                    | MID 233 Aftertreatment Control Mod |                     | OBD-6;OBD-9;VOLVO-8 | √    | √                   | √  |     |                           |                         |   |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                                    | Paver   | P5870C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         | P6870C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         | P7110                     | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 165 Engine Gateway             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 227 Screed heater              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         | P7170                     | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 165 Engine Gateway             | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 227 Screed heater              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         | P7820C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                                    |         | P8820C                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |

| LAUNCH  | HD_VOLVO V15.28 Diagnostics List |                                                    |         |                           |                                    |                     |      |      |      |    |     | (Note:For reference only) |  |
|---------|----------------------------------|----------------------------------------------------|---------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|---------------------------|--|
|         |                                  | Note: The red flag part of the new function module |         |                           |                                    |                     |      |      |      |    |     |                           |  |
| VEHICLE | MENU                             | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTc | CDTC | DS | ACT | Spec.Func                 |  |
|         |                                  |                                                    | Backhoe | BL60B                     | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | 142 Volvo Link                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module   | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | BL70B                     | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | 142 Volvo Link                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 249 BBM, body builder module   | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         | DD110B                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |
|         |                                  |                                                    |         |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |
|         |                                  |                                                    |         |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |
|         |                                  |                                                    |         |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List |                                                    |                           |                                    |                     |      |      |      |    |     | (Note:For reference only)   |  |  |
|---------|------|----------------------------------|----------------------------------------------------|---------------------------|------------------------------------|---------------------|------|------|------|----|-----|-----------------------------|--|--|
|         |      |                                  | Note: The red flag part of the new function module |                           |                                    |                     |      |      |      |    |     |                             |  |  |
| VEHICLE | MENU | COMPANY                          | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS. |                                    | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                   |  |  |
|         |      |                                  | Compacto                                           | DD120B                    | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                             |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay    |  |  |
|         |      |                                  |                                                    |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                             |  |  |
|         |      |                                  |                                                    | DD140B                    | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,progra<br>mming |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,progra<br>mming |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay    |  |  |
|         |      |                                  |                                                    |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                             |  |  |
|         |      |                                  |                                                    | SD115                     | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,progra<br>mming |  |  |
|         |      |                                  |                                                    |                           | 142 Volvo Link                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                             |  |  |
|         |      |                                  |                                                    |                           | MID 140 Information display        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,progra<br>mming |  |  |
|         |      |                                  |                                                    |                           | MID 187 VEHICLE CONTROL UNIT       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay    |  |  |
|         |      |                                  |                                                    |                           | MID 233 Aftertreatment Control Mod | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                             |  |  |
|         |      |                                  |                                                    |                           | MID 128 Engine ECU                 | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,progra<br>mming |  |  |
|         |      |                                  |                                                    |                           | 142 Volvo Link                     | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                             |  |  |

| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List |                                                    |                                    |                |                     |      |      |      |    |     | (Note:For reference only) |  |  |
|---------|------|----------------------------------|----------------------------------------------------|------------------------------------|----------------|---------------------|------|------|------|----|-----|---------------------------|--|--|
|         |      |                                  | Note: The red flag part of the new function module |                                    |                |                     |      |      |      |    |     |                           |  |  |
| VEHICLE | MENU | COMPANY                          | VEHICLE                                            | MODEL / SYSTEM / SUB.SYS.          |                | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                 |  |  |
|         |      |                                  | SD135                                              | MID 140 Information display        |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    | MID 187 VEHICLE CONTROL UNIT       |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  |                                                    | MID 233 Aftertreatment Control Mod |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                  | SD75                                               | 142 Volvo Link                     |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    | MID 128 Engine ECU                 |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    | MID 187 VEHICLE CONTROL UNIT       |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay  |  |  |
|         |      |                                  | Other                                              | CARETRAC                           | 142 Volvo Link | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    | MID 233 Aftertreatment Control Mod |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                           |  |  |
|         |      |                                  |                                                    | MID 128 Engine ECU                 |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    | MID 130 Transmission ECU           |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    | MID 136 Brake ECU                  |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    | MID 140 Information display        |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |
|         |      |                                  |                                                    | MID 142 Volvo Link                 |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    | MID 144 Vehicle ECU                |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  | √   | Service Alert System      |  |  |
|         |      |                                  |                                                    | MID 146 Climate unit               |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                           |  |  |
|         |      |                                  |                                                    | MID 150 Air suspension,vehicle     |                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming   |  |  |

| LAUNCH  |        | HD_VOLVO V15.28 Diagnostics List                   |         |                                             |                     |      |      |      |    |     |                          | (Note:For reference only) |  |  |
|---------|--------|----------------------------------------------------|---------|---------------------------------------------|---------------------|------|------|------|----|-----|--------------------------|---------------------------|--|--|
|         |        | Note: The red flag part of the new function module |         |                                             |                     |      |      |      |    |     |                          |                           |  |  |
| VEHICLE | MENU   | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS.                   | CONNECTOR           | INFO | RDTC | CDTC | DS | ACT | Spec.Func                |                           |  |  |
|         | System |                                                    |         | MID 163 Immobilizer                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |                           |  |  |
|         |        |                                                    |         | MID 164 Chassis ECU                         | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |                           |  |  |
|         |        |                                                    |         | MID 165 Engine Gateway                      | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |                           |  |  |
|         |        |                                                    |         | MID 166 TPM Tire pressure monitoring        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |                           |  |  |
|         |        |                                                    |         | MID 171 Driver information display          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |                           |  |  |
|         |        |                                                    |         | MID 185 Air Production Management           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |                           |  |  |
|         |        |                                                    |         | MID 186 APCS                                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |                           |  |  |
|         |        |                                                    |         | MID 187 VEHICLE CONTROL UNIT                | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     | ARO Automatic idle delay |                           |  |  |
|         |        |                                                    |         | MID 216 Outer lighting control unit (LCM)   | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |                           |  |  |
|         |        |                                                    |         | 220 Tachograph                              | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |                           |  |  |
|         |        |                                                    |         | MID 222 Retarder ECU                        | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |                           |  |  |
|         |        |                                                    |         | MID 223 Gearselector ECU                    | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |                           |  |  |
|         |        |                                                    |         | MID 227 Screed heater                       | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |                           |  |  |
|         |        |                                                    |         | MID 231 Mobile communication unit           | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |                           |  |  |
|         |        |                                                    |         | MID 232 Airbag, control unit (SRS)          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |                           |  |  |
|         |        |                                                    |         | 233 AdBlue Dosing system control unit (ADS) | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    |    |     |                          |                           |  |  |
|         |        |                                                    |         | MID 234 Driver information display          | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |                           |  |  |
|         |        |                                                    |         | MID 249 BBM, body builder module            | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     | 1.Parameter,programming  |                           |  |  |
|         |        |                                                    |         | MID 250 Steering Wheel Module               | OBD-6;OBD-9;VOLVO-8 | √    | √    | √    | √  |     |                          |                           |  |  |

|         |      |                                                    |         |                           |  |  |  |           |  |      |      |                           |    |     |           |
|---------|------|----------------------------------------------------|---------|---------------------------|--|--|--|-----------|--|------|------|---------------------------|----|-----|-----------|
| LAUNCH  |      | HD_VOLVO V15.28 Diagnostics List                   |         |                           |  |  |  |           |  |      |      | (Note:For reference only) |    |     |           |
| H       |      |                                                    |         |                           |  |  |  |           |  |      |      |                           |    |     |           |
|         |      | Note: The red flag part of the new function module |         |                           |  |  |  |           |  |      |      |                           |    |     |           |
| VEHICLE | MENU | COMPANY                                            | VEHICLE | MODEL / SYSTEM / SUB.SYS. |  |  |  | CONNECTOR |  | INFO | RDTC | CDTC                      | DS | ACT | Spec.Func |

(\*):Tested;

(?):Manual on website(www.x431.com)

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| CONNECTOR    | Heavy Duty(980390*****) | Heavy Duty(980391*****) |
|--------------|-------------------------|-------------------------|
| OBD - 6&9 II | OBD - 6&9 II            | SMART OBD II-16E        |
| VOLVO-8      | VOLVO-8                 | VOLVO-8                 |
| OBD-6        | OBD-6                   | OBD-6                   |
| OBD-9        | OBD-9                   | OBD-9                   |