

## Возможность работы с большинством систем управления современных автомобилей

|       |                                                                                   |                                                                                   |                                                                                         |
|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1     | SELECT MENU                                                                       |                                                                                   |                                                                                         |
|       | 25 Immobilizer                                                                    |                                                                                   |                                                                                         |
|       | 56 Radio                                                                          |                                                                                   |                                                                                         |
|       | 19 Gateway data bus                                                               |                                                                                   |                                                                                         |
|       | 45 Interior Monitoring                                                            |                                                                                   |                                                                                         |
|       | 16 Steering Wheel Electronics                                                     |                                                                                   |                                                                                         |
|       | 09 Electronic Ctrl Electronics                                                    |                                                                                   |                                                                                         |
|       | 22 4WD Electronics                                                                |                                                                                   |                                                                                         |
|       | 37 Navigation                                                                     |                                                                                   |                                                                                         |
|       | PAGE UP                                                                           |                                                                                   | PAGE DOWN                                                                               |
| HOME  | BACK                                                                              | PRINT                                                                             | HELP                                                                                    |
| Start |  |  |  21:15 |

|                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                           |      |           |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------|-----------|------|
| 2                                                                                                                                                                                                                                                                                                                                                                                                                       | SELECT MENU                                               |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | AB-Airbag                                                 |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | OCP-Overhead control panel                                |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | EIS-Electronic ignition switch ELCODE (DAS 3)             |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | HRA-Headlamp range adjustment                             |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | UCP-Upper control panel                                   |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | PSE-Pneumatic system equipment                            |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | SAM-FL-Front left signal acquisition and actuation module |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | PAGE UP                                                   |      | PAGE DOWN |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | HOME                                                      | BACK | PRINT     | HELP |
| <div><div>Start</div><div></div><div></div><div></div><div> 22:58</div></div> |                                                           |      |           |      |

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|                               |                                                                                     |                                                                                     |                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| SELECT DIAG. SYSTEM           |                                                                                     |                                                                                     |                                                                                           |
| DME (Engine)                  |                                                                                     |                                                                                     |                                                                                           |
| EGS (Transmission)            |                                                                                     |                                                                                     |                                                                                           |
| ABS (Antilock brake)          |                                                                                     |                                                                                     |                                                                                           |
| SPS (Air bag)                 |                                                                                     |                                                                                     |                                                                                           |
| IHKA/IHKB (AC/heater)         |                                                                                     |                                                                                     |                                                                                           |
| IKE/IKI/KOMBI                 |                                                                                     |                                                                                     |                                                                                           |
| SPM/SM                        |                                                                                     |                                                                                     |                                                                                           |
| EWS (Elec. immobilize system) |                                                                                     |                                                                                     |                                                                                           |
| PAGE UP                       |                                                                                     | PAGE DOWN                                                                           |                                                                                           |
| HOME                          | BACK                                                                                | PRINT                                                                               | HELP                                                                                      |
| Start                         |  |  |  22:43 |

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|                                        |                                                                                     |                                                                                       |                                                                                             |
|----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| SELECT DIAG. SYSTEM                    |                                                                                     |                                                                                       |                                                                                             |
| ZKE (Central body electronic)          |                                                                                     |                                                                                       |                                                                                             |
| GR (Navigation control)                |                                                                                     |                                                                                       |                                                                                             |
| PDC (Park Distance Control)            |                                                                                     |                                                                                       |                                                                                             |
| SZM (Switching center, center console) |                                                                                     |                                                                                       |                                                                                             |
| LSZ/LCM (Light switching center)       |                                                                                     |                                                                                       |                                                                                             |
| LEW (Steering-angle sensor)            |                                                                                     |                                                                                       |                                                                                             |
| RAD (Radio)                            |                                                                                     |                                                                                       |                                                                                             |
| EHC/EDC (Signal-axle air suspension)   |                                                                                     |                                                                                       |                                                                                             |
| PAGE UP                                |                                                                                     | PAGE DOWN                                                                             |                                                                                             |
| HOME                                   | BACK                                                                                | PRINT                                                                                 | HELP                                                                                        |
| Start                                  |  |  |  22:43 |

Режимы работы

|         |                                                                                   |                                                                                   |                                                                                                                                                                           |
|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5       | ME2.0                                                                             |                                                                                   |                                                                                                                                                                           |
|         | Control unit version                                                              |                                                                                   |                                                                                                                                                                           |
|         | Read fault memory                                                                 |                                                                                   |                                                                                                                                                                           |
|         | Clear fault memory                                                                |                                                                                   |                                                                                                                                                                           |
|         | Actual values                                                                     |                                                                                   |                                                                                                                                                                           |
|         | Actuations                                                                        |                                                                                   |                                                                                                                                                                           |
|         | Control unit adaptations                                                          |                                                                                   |                                                                                                                                                                           |
|         |                                                                                   |                                                                                   |                                                                                                                                                                           |
|         |                                                                                   |                                                                                   |                                                                                                                                                                           |
|         |                                                                                   |                                                                                   |                                                                                                                                                                           |
| PAGE UP |                                                                                   | PAGE DOWN                                                                         |                                                                                                                                                                           |
| HOME    | BACK                                                                              | PRINT                                                                             | HELP                                                                                                                                                                      |
| Start   |  |  |   18:46 |

Идентификация

|                                                                                                                                                           |                                                                                     |                                                                                     |                                                                                     |                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 6                                                                                                                                                         | Control unit version                                                                |                                                                                     |                                                                                     |                                                                                           |
| <div>Control unit: ME2.0<br/>MB No.: 0265456632<br/>Supplier: Bosch<br/>Hardware status: 39/97<br/>Software status: 51/98<br/>Diagnosis ident: 1/08</div> |                                                                                     |                                                                                     |                                                                                     |                                                                                           |
| OK                                                                                                                                                        |                                                                                     | PRINT                                                                               |                                                                                     |                                                                                           |
| Start                                                                                                                                                     |  |  |  |  18:46 |

## Чтение кодов неисправностей

|         |                                                                                   |                                                                                   |                                                                                         |
|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 7       | Select function                                                                   |                                                                                   |                                                                                         |
|         | Read trouble code                                                                 |                                                                                   |                                                                                         |
|         | Clear trouble code                                                                |                                                                                   |                                                                                         |
|         | Read data stream                                                                  |                                                                                   |                                                                                         |
|         |                                                                                   |                                                                                   |                                                                                         |
|         |                                                                                   |                                                                                   |                                                                                         |
|         |                                                                                   |                                                                                   |                                                                                         |
|         |                                                                                   |                                                                                   |                                                                                         |
| PAGE UP |                                                                                   | PAGE DOWN                                                                         |                                                                                         |
| HOME    | BACK                                                                              | PRINT                                                                             | HELP                                                                                    |
| Start   |  |  |  21:01 |

|         |                                                                                   |                                                                                     |                                                                                           |
|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 8       | TROUBLE CODE                                                                      |                                                                                     |                                                                                           |
|         | 02-1 PSGR AIRBAG INFLATOR OPEN                                                    |                                                                                     |                                                                                           |
|         | 01-1 DRIVER'S AIRBAG INFLATOR OPEN                                                |                                                                                     |                                                                                           |
|         |                                                                                   |                                                                                     |                                                                                           |
|         |                                                                                   |                                                                                     |                                                                                           |
|         |                                                                                   |                                                                                     |                                                                                           |
|         |                                                                                   |                                                                                     |                                                                                           |
|         |                                                                                   |                                                                                     |                                                                                           |
|         |                                                                                   |                                                                                     |                                                                                           |
|         |                                                                                   |                                                                                     |                                                                                           |
| PAGE UP |                                                                                   | PAGE DOWN                                                                           |                                                                                           |
| HOME    | BACK                                                                              | PRINT                                                                               | HELP                                                                                      |
| Start   |  |  |  21:01 |

## Сброс кодов неисправностей

|                    |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
|--------------------|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------|--|
| 9                  |  |                                                                                     |  | Select function                                                                     |  |                                                                                           |  |
| Read trouble code  |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
| Clear trouble code |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
| Read data stream   |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
|                    |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
|                    |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
|                    |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
|                    |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
|                    |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
|                    |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
|                    |  |                                                                                     |  |                                                                                     |  |                                                                                           |  |
| PAGE UP            |  |                                                                                     |  | PAGE DOWN                                                                           |  |                                                                                           |  |
| HOME               |  | BACK                                                                                |  | PRINT                                                                               |  | HELP                                                                                      |  |
| Start              |  |  |  |  |  |  21:13 |  |

Clear trouble code result

Trouble code has been erased

OK

Start [Icon] [Icon] [Icon] 21:14

## Отображение текущих данных в цифровом....

|         |                    |                                                                                   |                                                                                   |                                                                                   |                                                                                         |
|---------|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 11      | DATA STREAM        |                                                                                   |                                                                                   |                                                                                   |                                                                                         |
|         | CLOSED TP SWITCH   |                                                                                   | ON                                                                                |                                                                                   |                                                                                         |
|         | ISC ACTUATOR DUTY  |                                                                                   | 36.5 %                                                                            |                                                                                   |                                                                                         |
|         | ISA ADAPTION VALUE |                                                                                   | -1.4 %                                                                            |                                                                                   |                                                                                         |
|         | CKP SIGNAL         |                                                                                   | ON                                                                                |                                                                                   |                                                                                         |
|         | ENGINE SPEED       |                                                                                   | 1047.7 RPM                                                                        |                                                                                   |                                                                                         |
|         | TARGET IDLE RPM    |                                                                                   | 1050.0 RPM                                                                        |                                                                                   |                                                                                         |
|         | FR OXYGEN SENSOR   |                                                                                   | 118.2 mV                                                                          |                                                                                   |                                                                                         |
|         | RR OXYGEN SENSOR   |                                                                                   | 525.0 mV                                                                          |                                                                                   |                                                                                         |
| PAGE UP |                    | PAGE DOWN                                                                         | GRAPHIC-1                                                                         |                                                                                   |                                                                                         |
| HOME    |                    | BACK                                                                              | PRINT                                                                             | HELP                                                                              |                                                                                         |
| Start   |                    |  |  |  |  18:31 |

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|                       |      |             |           |
|-----------------------|------|-------------|-----------|
| DATA STREAM           |      |             |           |
| FR O2S HIR WIRE       |      | CONNECTED   |           |
| RR O2S HIR WIRE       |      | CONNECTED   |           |
| A/F CLOSED LOOP       |      | ON          |           |
| VEHICLE SPEED SENSOR  |      | 0.0 MPH     |           |
| ENGINE LOAD           |      | 18.1 %      |           |
| IGNITION TIMING       |      | BTDC 15.2 ° |           |
| INJECTION DURATION #1 |      | 3.0 mS      |           |
| INJECTION DURATION #2 |      | 2.9 mS      |           |
| PAGE UP               |      | PAGE DOWN   | GRAPHIC-1 |
| HOME                  | BACK | PRINT       | HELP      |
| Start                 |      |             | 18:31     |

## ... и графическом виде

13

DATA STREAM

H02S

V

0.90

0.79

0.67

0.56

0.45

0.34

0.23

0.11

0.00

PAGE UP

PAGE DOWN

GRAPHIC-2

HOME

BACK

PRINT

HELP

Start

20:55

14

DATA STREAM

ENGINE SPD

RPM

1180.00  
1168.00  
1156.00  
1144.00  
1132.00  
1120.00

IAC VALVE

630.00  
620.00  
610.00  
600.00  
590.00  
580.00

PAGE UP

PAGE DOWN

DIGITAL

HOME

BACK

PRINT

HELP

Start

21:17

Активация

15

|                   |      |           |      |
|-------------------|------|-----------|------|
| Active Test       |      |           |      |
| ENG COOLANT TEMP  |      |           |      |
| FUEL INJECTION    |      |           |      |
| IGNITION TIMMING  |      |           |      |
| PURG VOL COMI/V   |      |           |      |
| TK ATST VICTRGINT |      |           |      |
| FUEL PUMP RELAY   |      |           |      |
|                   |      |           |      |
|                   |      |           |      |
| PAGE UP           |      | PAGE DOWN |      |
| HOME              | BACK | PRINT     | HELP |
| Start             |      |           |      |

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|                      |           |       |
|----------------------|-----------|-------|
| ACTUATION TEST       |           |       |
| IGNITION TIMMING 0 ° |           |       |
|                      |           |       |
|                      |           |       |
|                      |           |       |
|                      |           |       |
|                      |           |       |
|                      |           |       |
| PAGE UP              | PAGE DOWN | PRINT |
| BACK                 | UP        | DOWN  |
| Start                |           |       |

Кодирование и адаптация

17

|                      |      |           |      |
|----------------------|------|-----------|------|
| CAR CHASSIS          |      |           |      |
| 7'_E32               |      |           |      |
| 7'_E38               |      |           |      |
| 7'_E65               |      |           |      |
| 8'_E31               |      |           |      |
| X5_E53               |      |           |      |
| Z8_E52               |      |           |      |
| MINI_R50             |      |           |      |
| Coding & Programming |      |           |      |
| PAGE UP              |      | PAGE DOWN |      |
| HOME                 | BACK | PRINT     | HELP |
| Start                |      |           |      |

18

|                                                                                                                                          |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| IMPORTANT                                                                                                                                |  |  |
|                                                                                                                                          |  |  |
| with coding by means of the ZCS/V0, the change made using the CAR/KEY MEMORY program can be overwritten. These are to be reset required. |  |  |
|                                                                                                                                          |  |  |
| OK                                                                                                                                       |  |  |
| Start                                                                                                                                    |  |  |

Сброс сервисных интервалов

19

|                                                                                                                                                                                                                                                                                                                                                     |      |           |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|------|
| SELECT MENU                                                                                                                                                                                                                                                                                                                                         |      |           |      |
| Control Modules                                                                                                                                                                                                                                                                                                                                     |      |           |      |
| Service/Oil Light Reset                                                                                                                                                                                                                                                                                                                             |      |           |      |
| Dealership code                                                                                                                                                                                                                                                                                                                                     |      |           |      |
| Diagnostic socket location                                                                                                                                                                                                                                                                                                                          |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                     |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                     |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                     |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                     |      |           |      |
| PAGE UP                                                                                                                                                                                                                                                                                                                                             |      | PAGE DOWN |      |
| HOME                                                                                                                                                                                                                                                                                                                                                | BACK | PRINT     | HELP |
| Start     21:09 |      |           |      |

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|                                                                                                                                                                                                                                                                                                                                                            |      |           |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|------|
| SELECT MENU                                                                                                                                                                                                                                                                                                                                                |      |           |      |
| OIL                                                                                                                                                                                                                                                                                                                                                        |      |           |      |
| IN1                                                                                                                                                                                                                                                                                                                                                        |      |           |      |
| IN2                                                                                                                                                                                                                                                                                                                                                        |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                            |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                            |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                            |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                            |      |           |      |
| PAGE UP                                                                                                                                                                                                                                                                                                                                                    |      | PAGE DOWN |      |
| HOME                                                                                                                                                                                                                                                                                                                                                       | BACK | PRINT     | HELP |
| Start     21:09 |      |           |      |

Регулировка и настройка

21

|                                                                                                                                                                                                                                                                                                                                                         |      |           |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|------|
| Work Support                                                                                                                                                                                                                                                                                                                                            |      |           |      |
| FUEL PRESSURE RELEASE                                                                                                                                                                                                                                                                                                                                   |      |           |      |
| TARGET IGN TIM ADJ                                                                                                                                                                                                                                                                                                                                      |      |           |      |
| TARGET IDLE RPM ADJ                                                                                                                                                                                                                                                                                                                                     |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                         |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                         |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                         |      |           |      |
|                                                                                                                                                                                                                                                                                                                                                         |      |           |      |
| PAGE UP                                                                                                                                                                                                                                                                                                                                                 |      | PAGE DOWN |      |
| HOME                                                                                                                                                                                                                                                                                                                                                    | BACK | PRINT     | HELP |
| Start     5 |      |           |      |

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|                                                                                                                                                                                                                                                                                                                                                                |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| TARGET IDLE RPM ADJ                                                                                                                                                                                                                                                                                                                                            |        |
| TOUCH [OK] AND SET OBJECTIVE IDLE SPEED UNDER THE FOLLOWING CONDITIONS.<br>-ENGINE IS WARMED UP.<br>-LOADS(AIR CONDITIONER,LIGHTS,ETC.)ARE OFF.<br><br>THIS FUNCTION IS NOT NORMALLY REQUIRED DURING THE USUAL SERVICE PROCEDURE.                                                                                                                              |        |
| OK                                                                                                                                                                                                                                                                                                                                                             | CANCEL |
| Start     5 |        |

и т.д.  
Возможности по каждой марке автомобилей различны.