



# G-scan & G-scan2 Distributor Bulletin

2019 May Update Details

For GIT's authorized aftermarket distributors

May 1, 2019

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## TOYOTA/LEXUS

### COROLLA SPORT (NRE21, 2019-) added

D-Door Motor  
 Engine  
 Radar Cruise2  
 Lane Control  
 Front Recognition Camera  
 Brake/EPB  
 Front Radar Sensor  
 Road Sign Assist  
 Pre-Collision System  
 Front Recognition Camera (Front Lighting Control)  
 Clearance Warning  
 Transmission  
 Radar Cruise1  
 Stop and Start  
 EMPS  
 Steering Angle Sensor  
 Air Conditioner  
 Main Body  
 Entry&Start  
 P-Door Motor  
 RR-Door Motor  
 RL-Door Motor  
 Master Switch  
 SRS Airbag  
 Starting Control  
 Power Source Control  
 Telematics  
 Central Gateway  
 Combination Meter

Room Lamp Timer Set  
 Room Lamp On Time Set  
 Room Lamp Off Time Set  
 R Lamp Timer Logic Set  
 Fog Lamp Override  
 Remote Controller ID Register  
 Remote Controller ID Clear  
 Remote Controller ID Verification  
 Horn Chirp Set  
 Hazard Lamp Set  
 Multi Answer Back Set  
 Panic Alarm Set  
 Trunk Open Set  
 Auto Lock Set  
 Auto Light Logic Set  
 Battery Saver Setting  
 Custom A/Light Setting  
 Illumination Delay Set  
 Head Light Timer  
 RR Wiper RVRS SET  
 Wiper Speed Setting  
 Drop Wiper Function Set  
 Rain Sensor Wiper Function Set  
 Room Lamp Timer Set  
 Room Lamp BAT SAV Set  
 Security Alarm Set  
 Theft ALM TRG  
 Siren Set  
 Security Alarm Set(Siren)  
 ID Read  
 ID Regist

### EPS/DAST3 New Type added (CAN)

- Basic Function
- DTC Analysis
- Data Analysis
- ECU Information Display

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## NISSAN/INFINITI

### New Model & System added

#### BCM New Type added (CAN)

- Basic Function
  - DTC Analysis
  - Data Analysis
  - ECU Information Display
- Special Function
  - Door Lock-Unlock Set
  - Automatic Door Lock Select
  - Automatic Door Unlock Select
  - Automatic Lock/Unlock Select
  - Signature Light Setting
  - Set I/L D-Unlock Intcon

### All Mode 4WD New Type added (CAN)

- Basic Function
- DTC Analysis
- Data Analysis
- ECU Information Display

### RAS/HICAS New Type added (CAN)

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

### Engine New Type added (CAN,UDS)

- Basic Function
- DTC Analysis
- Data Analysis

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- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>Actuation Test</li> <li>ECU Information Display</li> <li>- Special Function           <ul style="list-style-type: none"> <li>A/F Initial Learning</li> <li>Active Control Engine Mounting A</li> <li>Active Control Engine Mounting B</li> <li>Adaptives After Regenerating PF</li> <li>Adaptives After Replacing Particulate Filter</li> <li>Adaptives on Air Intake Flap Malfunction After DPF Replacement</li> <li>Air Damper Valve Programming</li> <li>Air Damper Valve Programming(R044)</li> <li>Air Damper Valve Programming(R088)</li> <li>Air Flow Meter Programming</li> <li>Alternator Setpoint Voltage</li> <li>Camshaft Reference Adaptation</li> <li>CC/SL PRGRM</li> <li>CC/SL Programming</li> <li>Closed Throttle Position Learn</li> <li>Clutch Pedal End Stroke</li> <li>CML B-DCHRG CRNT Clear</li> <li>Cumulative Sub-Battery Disch Current Clear</li> <li>DPF Regeneration</li> <li>DPF Relative Pressure Sensor</li> <li>EGR Adaptives</li> <li>EGR Bypass Programming</li> <li>EGR Programming</li> <li>EGR Valve Programming</li> <li>Engine Adaptives</li> <li>Engine Coolant Bypass Valve</li> <li>Enter Injector Codes</li> <li>Exhaust Air Flap Programming</li> <li>Exhaust Flap Low Setting</li> <li>Fast Idle Speed Modification</li> <li>Flywheel Target Programming</li> <li>FLYWHL TGT PG</li> <li>Fuel Pressure Release</li> <li>Fuel Pump</li> <li>Fuel Pump Programming</li> <li>Fuel Rail Press Limiting Injection Counter Clear</li> <li>Fuel Rail Pressure Test</li> <li>Fuel Sply Prev</li> <li>Fuel supply prevention</li> <li>G Sensor Calibrating</li> <li>H/P Fuel Pump Total Starts Counter Clear</li> <li>High Pressure Pump Counter</li> <li>High Pressure Turbine Bypass Solenoid Valve</li> <li>Idle Air Volume Learn</li> <li>Injection Pump Adaptives</li> <li>Injector Adaptives</li> <li>Low Pressure EGR Valve Programming</li> <li>Manifold Pressure Sensor Programming</li> <li>NOx Trap</li> <li>Number of Starting 1</li> <li>Number of Starting 2</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Number of Starting 3</li> <li>Number of Starting 4</li> <li>Number of Starting Cycles</li> <li>OPR Time Basic DIG of TM Neural Position Sensor</li> <li>P/FLT DIFF PRS SEN</li> <li>P/FLT DIFF PRS Sensor</li> <li>Programmed Values</li> <li>Programming Reinitialisation</li> <li>Proportional Richness Sensor Programming</li> <li>PRPR RICH SEN PROG</li> <li>PRPR Rich Sensor Programming</li> <li>Rail Pressure Sensor Adaptives</li> <li>Regeneration of Gasoline Particulate Filter</li> <li>Replace Diesel Particulate Filter</li> <li>Reset of Contamination Level of Air Filter</li> <li>Reset of Learned Values of Cmsft Hall Sensor</li> <li>Resetting of Adaption Values</li> <li>SC Magnetic Clutch Engage Count Clear</li> <li>Self-Learning CONT</li> <li>Service Regeneration</li> <li>Speed Limiter</li> <li>Starter Operation Counter Clear</li> <li>Static Test</li> <li>STRT OPRTN CNTR Clear</li> <li>STRT OPRTN CNTRNTR Clear</li> <li>Sub-Starter and Generator OPER Count Clear</li> <li>Swirl Flap</li> <li>Swirl Flap Programming</li> <li>Teach in Boost Pressure Positioner</li> <li>Teach in of Intake Port Shutoff</li> <li>Teach in of Throttle Valve Stop</li> <li>Turbocharger Programming</li> <li>Valve Timing Dajustment</li> <li>Valve Timing Offset Data Clear</li> <li>Valve Timing Offset Data Writing</li> <li>VIN Registration</li> <li>Waste Gate Regulation</li> <li>Wastegate Actuator Position Learn Value Clear</li> <li>Write Starter Operation Count</li> <li>Write H/P Fuel Pump Total Starts Count</li> <li>Write H/P Fuel Total Starts Count</li> <li>Write Starter Operation Count</li> </ul> <p>Applicable Model : MICRA, NV200, QASHQAI</p> <p><b>EV/HEV Special Function Bug Fix (CAN)</b></p> <ul style="list-style-type: none"> <li>- Special Function           <ul style="list-style-type: none"> <li>G-Sensor Calibration</li> <li>Clutch 1 Zero Position Learning</li> <li>CL1 Brake-In Function</li> </ul> </li> </ul> <p>Applicable Model : LEAF</p> <p><b>VSP New Type added (CAN)</b></p> <ul style="list-style-type: none"> <li>- Basic Function           <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> </ul> </li> </ul> |
|---|--|

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Actuation Test  
ECU Information Display

### AT/CVT New Type added (CAN)

- Basic Function
  - DTC Analysis
  - DTC EraseMemory
  - Data Analysis
  - Calibration Data Display
  - ECU Information Display
- Special Function
  - Engine Brake ADJ
  - Conform CVTF Deterioration
  - G Sensor Calibration
  - Erase Calibration Data
  - Erase Learning Value
  - Erase Memory Data
  - Clutch Point Learning
  - Electric O.P. Air Bleeding
  - Eco Mode Reset Function
  - Auxiliary Gearbox Clutch Point Learning

### ANC New Type added (CAN)

- Basic Function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Special Function
  - ANC Setting
  - ASC Setting

### AIRBAG New Type added (CAN)

- Basic Function
  - DTC Analysis
  - Data Analysis
  - ECU Information Display

### Side Radar Left New Type added (CAN)

- Basic Function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display

### Side Radar Right New Type added (CAN)

- Basic Function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display

### EHS/PKB New Type added (CAN)

- Basic Function
  - DTC Analysis

Data Analysis  
ECU Information Display  
- Special Function
 

- Start Brake Pad Replacement
- Finish Brake Pad Replacement
- Initialization Position Adjustment
- G Sensor Calibration
- Clutch Sensor Reset
- Brake Operation
- Brake Release
- System Mode Change
- Auto Activation On (AT/CVT)

### Feedback

DTC added : Feedback from Japan and Greece  
EV/HEV sensor bug fix : Feedback from Japan  
ABS Actuation test item added : Feedback from Japan  
AIR PRESSURE MONITOR DTC added

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**HONDA /ACURA**

New Type added

One Push Start : MALAYSIA

Registration

- Advanced Function

- Add A KEYLESS ACCESS Remote
- Rewrite KEYLESS ACCESS Remotes
- All KEYLESS ACCESS Remotes Lost
- Replace ECM/PCM
- Replace MICU/VSA Modulator

BCM : USA

BCM\_GAUGE

- Basic Function

DTC analysis

Data analysis

- Advanced Function

SELF - DIAGNOSTIC FUNCTION

Service Reminder (USA)

PAX Warning Reset (USA)

BCM\_Lighting

- Basic Function

DTC analysis

Data analysis

Actuation

BCM\_Doorlocks

- Basic Function

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DTC analysis Data analysis Acutation	Diesel(Old Type) : Poland - Advanced Function IQA Status
BCM_Keyless - Basic Function DTC analysis Data analysis Acutation - Advanced Function Keyless Check	i-Shift : Poland, Greece - Advanced Function Static Mode Learning
BCM_Security - Basic Function DTC analysis Data analysis Acutation - Advanced Function History Data Clear History Data	INTEGRATED DRIVER SUPPORT SYSTEM - Advanced Function Radar Aiming Static Camera Aiming
BCM_Wiper - Basic Function DTC analysis Data analysis Acutation	Function Improved Engine: MALAYSIA - Basic Function DTC analysis
BCM_HVAC - Basic Function DTC analysis - Advanced Function HVAC Control Unit Self Test	ABS: Dubai - Basic Function DTC analysis
BCM_POWER WINDOW - Basic Function DTC analysis Data analysis Actuation Test - Advanced Function Power Window Reset for Driver side Power Window Reset for Passenger side Power Window Reset for Left Rear Power Window Reset for Right Rear	VSA: Pakistan - Advanced Function All Sensor
BCM_HF LINK/TEL - Basic Function DTC analysis - Advanced Function Passcode Clear	<b>Bug Fixed</b> i-Shift : Poland, Greece - Communication Open
Function Extended	ABS : Malaysia - Communication Open
Electric Servo Brake : JAPAN - Advanced Function Sensor 0 (Zero) Position Memorization	DCT : UK - Advanced Function Clutch Assembly By Pressure
	<a href="#">Back to Index</a>
	<b>MITSUBISHI</b>
	<b>COLT</b> <b>MPI / GDI / DIESEL</b> - Special Function added Chassis No. / VIN Writing On Vehicle Coding
	<b>eK space</b> <b>MPI / GDI / DIESEL</b> - Special Function added

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Learned value reset  
Starter counter writing  
Starter counter initialization  
Chassis No. / VIN Writing

Chassis No./VIN Writing

**i-MiEV**

**ABS / ASC / ASTC / WSS**

- Special Function added  
Chassis Dynamometer Test Mode

**SRS-AIR BAG**

- Special Function added  
Chassis No. / VIN Writing  
Coding information

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**ETACS**

- Special Function added  
Customization  
Customization Reset  
Keyless ID Registration  
Keyless Reception Check  
Option Coding

**MAZDA**

**BIANTE 2.0L PE Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- EATC(Electronic Automatic Temperature Control)
- EPS(Electronic-Controlled Power Steering)
- GEM(Generic Electronic Module)
- IC(Instrument Cluster)
- LPSDM(Left Power Sliding Door Module)
- RCM(Restraint Control - Module)
- RKE(Remote Keyless Entry)
- RPSDM(Right Power Sliding Door Module)
- TCM(Transmission Control Module)

**Meter**

- Special Function added  
Service reminder  
Test

**COMP&HTR**

- Special Function added  
Reset

**CX-4 2.0L PE Vehicle Added**

- PCM(Powertrain Control Module)
- TCM(Transmission Control Module)
- ABS(Anti-Lock Brake System)
- AFS/ALM(Adaptive Front Lighting System/Auto Leveling Module)
- EATC(Electronic Automatic Temperature Control)
- EPB(Electronic Parking Brake)
- EPS(Electronic-Controlled Power Steering)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)
- BSM(Blind Spot Monitoring)
- SSU(Smart Start Unit)
- F\_BCM(Front Body Control Module)
- R\_BCM(Rear Body Control Module)
- SCBS(Smart City Brake Support)

**LANCER EVOLUTION (CZ4A-SMPFZL1K, 2010)**

**AT / CVT / A-MT / TC-SST**

- Special Function added  
Tech-in

**MIRAGE / SPACE STAR**

**MPI / GDI / DIESEL**

- Special Function added  
Learned value reset  
Starter counter writing  
Starter counter initialization  
Timing chain maintenance  
Chassis No. / VIN Writing  
Coding information

**SRS-AIR BAG**

- Special Function added  
Chassis No. / VIN Writing  
Coding information

**CX-4 2.5L PY Vehicle Added**

- PCM(Powertrain Control Module)
- TCM(Transmission Control Module)
- 4x4(4x4 Control Module)
- ABS(Anti-Lock Brake System)
- AFS/ALM(Adaptive Front Lighting System/Auto Leveling Module)
- CMU(Connectivity Master Unit)
- DCDC(DC to DC Converter Control Module)
- EATC(Electronic Automatic Temperature Control)
- EPB(Electronic Parking Brake)

**TRITON / L200**

**MPI / GDI / DIESEL**

- Special Function added  
Chassis No. / VIN Writing  
Coding information

**IMMOBILIZER**

- Special Function added

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- EPS(Electronic-Controlled Power Steering)
- HUD(Head Up Display)
- IC(Instrument Cluster)
- PSM(Parking Sensor Module)
- RCM(Restraint Control Module)
- BSM(Blind Spot Monitoring)
- FSC(Forward Sensing Camera)
- SSU(Smart Start Unit)
- F\_BCM(Front Body Control Module)
- R\_BCM(Rear Body Control Module)
- SCBS(Smart City Brake Support)
- SBS/MRCC(Smart Brake Support/Mazda Radar Cruise Control)

- EGR-2 Data Initialization
- Throttle Valve Test
- Turbocharger Test
- A/F sensor Parameter initialization

Function Improved

- Imobilizer : India
- Basic Function
  - DTC analysis
  - Advanced Function
  - Immoblizer

### Bug Fixed

- AT/CVT: MALAYSIA
- Basic Function
  - DTC analysis

- Imobilizer : Greece
- Advanced Function
  - Key Register

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## SUZUKI/MARUTI

New Type added

- EPI : India
- Basic Function
  - DTC analysis
  - Data analysis
  - Actuation
  - ECU Info

EPI : Jimmny 2007 (GREECE, Poland)

- Basic Function
- DTC analysis
- Data analysis
- Actuation
- Advanced Function
- High Pressure Pump Initialization
- Leak Detection Test
- EGR Valve Data Initialization

Function Extended

EPI : Vitara 2016 (Greece)

- Advanced Function
- EGR-1 Data Initialization
- Initialize MAF sensor data
- DPF condition parameter Initialization
- Initialize differential pressure sensor data
- DPF driving pattern parameter initialization
- A/F sensor dew point initialization
- Feul injection system part parameter initialization
- DPF regeneration parmeter Initialization
- Reset driven distance with Fuel Filter Warning Light On
- Freeze Frame Data Clear

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## SUBARU

New function added

- Engine control module
- Basic function
  - Actuation Test

- Body control module
- Support function
  - Customize

- Instrument cluster - Type1
- Support function
  - Customize

- Instrument cluster – Type2
- Support function
  - Customize

Customize	
Item(1/39)	Current value
Auto light sensitivity adjustment	Normal
Power rear gate setting	Not Supported
Lane change signal setting	Support
Rear wiper auto setting	Support
Xmode SW setting	Support
TPMS Setting	Support
Driver's door unlocking setting	All
Rear gate unlocking setting	All
One touch turn signal system setup	ON
Auto wiper system(Rear) setup	OFF

Customize		
Item(1/3)	Current value	Unit
Air temperature correction	0	°C
Mean fuel efficiency correction	0	%
Demonstration mode permission/fault permission	OFF	

### Programming

Programming status		
Item(1/8)	Current value	Unit
Engine type	Not Programmed	
Transmission type	Not Programmed	
Speedometer gear	Not Programmed	
Tire size	Not Programmed	
Tire compensation	Not Programmed	
Final gear ratio	Not Programmed	
ABS Install	Not Programmed	
PTO Setting	Not Programmed	

Programming	
Item(1/9)	Current value
Engine type	*****
Transmission type	*****
PTO Request engine speed	740 RPM - A
Speedometer gear	4 x 10
Tire size	*****
Tire compensation	*****
Final gear ratio	*****
ABS Install	Not present
PTO Setting	NO

Programming	
Item(3/9)	Current value
Engine type	*****
Transmission type	*****
PTO Request engine speed	740 RPM - A
Speedometer gear	4 x 10
Tire size	*****
Tire compensation	*****
Final gear ratio	650 RPM
ABS Install	740 RPM - A
PTO Setting	740 RPM - B
	800 RPM
	850 RPM - A
	650 RPM

### Bug fixed

Communication stabilized  
DTC Item added

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## ISUZU

New system added  
**4JJ1-TC EURO4 with DOC**

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Vehicle report
  - Injector ID Code Read
  - Injector programming
  - Supply Pump Initialization

New function added

### Smoother EX

- Support function
  - Programming status

### Bug fixed

Communication stabilized  
DTC Item added

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## AUDI/VW/SEAT/SKODA

Engine Electronics (CAN Type) Function improved  
- Basic Function added

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DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Transmission Electronics (CAN Type) Function improved

- Basic Function added  
DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Brake Electronics (CAN Type) Function improved

- Basic Function added  
DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Auto HVAC (CAN Type) Function improved

- Basic Function added  
DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Electronic Central Electrics (CAN Type) Function improved

- Basic Function added  
DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Park/Steer Assist (CAN Type) Function improved

- Basic Function added  
DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Airbag (CAN Type) Function improved

- Basic Function added  
DTC analysis

Data analysis

- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Steering Wheel Electronics (CAN Type) Function improved

- Basic Function added  
DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Instrument Cluster (CAN Type) Function improved

- Basic Function added  
DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

CAN Gateway (CAN Type) Function improved

- Basic Function added  
DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Lane Change Assistant (CAN Type) Function improved

- Basic Function added  
DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Steering Assistance (CAN Type) Function improved

- Basic Function added  
DTC analysis  
Data analysis  
- Special function added  
Basic setting  
Adaptation Control  
Long Coding

Headlight Range Control (CAN Type) Function improved

- Basic Function added  
DTC analysis

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>Data analysis</li> <li>- Special function added</li> <li>Basic setting</li> <li>Adaptation Control</li> </ul>  | <ul style="list-style-type: none"> <li>Basic setting</li> <li>Adaptation</li> </ul>   |
| <ul style="list-style-type: none"> <li>Information Electronics (CAN Type) Function improved</li> <li>- Basic Function added</li> <li>DTC analysis</li> <li>Data analysis</li> <li>- Special function added</li> <li>Basic setting</li> <li>Adaptation Control</li> <li>Long Coding</li> </ul> | <ul style="list-style-type: none"> <li>Auto HVAC (UDS Type) Function improved</li> <li>- Basic Function</li> <li>DTC analysis</li> <li>Data analysis</li> <li>Actuation Test</li> <li>- Special function added</li> <li>Basic setting</li> </ul>                                  |
| <ul style="list-style-type: none"> <li>Radio (CAN Type) Function improved</li> <li>- Basic Function added</li> <li>DTC analysis</li> <li>Data analysis</li> <li>- Special function added</li> <li>Basic setting</li> <li>Adaptation Control</li> <li>Long Coding</li> </ul>                   | <ul style="list-style-type: none"> <li>Electronic Central Electrics (UDS Type) Function improved</li> <li>- Basic Function</li> <li>DTC analysis</li> <li>Data analysis</li> <li>Actuation Test</li> <li>- Special function added</li> <li>Basic setting</li> </ul>               |
| <ul style="list-style-type: none"> <li>Back-up Camera (CAN Type) Function improved</li> <li>- Basic Function added</li> <li>DTC analysis</li> <li>Data analysis</li> <li>- Special function added</li> <li>Basic setting</li> <li>Adaptation Control</li> <li>Long Coding</li> </ul>          | <ul style="list-style-type: none"> <li>Park/Steer Assist (UDS Type) Function improved</li> <li>- Basic Function</li> <li>DTC analysis</li> <li>Data analysis</li> <li>Actuation Test</li> <li>- Special function added</li> <li>Basic setting</li> <li>Security Access</li> </ul> |
| <ul style="list-style-type: none"> <li>Engine Electronics (UDS Type) Function improved</li> <li>- Basic Function</li> <li>DTC analysis</li> <li>Data analysis</li> <li>Actuation Test</li> <li>- Special function added</li> <li>Basic setting</li> <li>Adaptation</li> </ul>                 | <ul style="list-style-type: none"> <li>Airbag (UDS Type) Function improved</li> <li>- Basic Function</li> <li>DTC analysis</li> <li>Data analysis</li> <li>Actuation Test</li> <li>- Special function added</li> <li>Basic setting</li> <li>Adaptation</li> </ul>                 |
| <ul style="list-style-type: none"> <li>Transmission Electronics (UDS Type) Function improved</li> <li>- Basic Function</li> <li>DTC analysis</li> <li>Data analysis</li> <li>Actuation Test</li> <li>- Special function added</li> <li>Basic setting</li> </ul>                               | <ul style="list-style-type: none"> <li>Steering Wheel Electronics (UDS Type) Function improved</li> <li>- Basic Function</li> <li>DTC analysis</li> <li>Data analysis</li> <li>Actuation Test</li> <li>- Special function added</li> <li>Basic setting</li> </ul>                 |
| <ul style="list-style-type: none"> <li>Brake Electronics (UDS Type) Function improved</li> <li>- Basic Function</li> <li>DTC analysis</li> <li>Data analysis</li> <li>Actuation Test</li> <li>- Special function added</li> </ul>   | <ul style="list-style-type: none"> <li>Instrument Cluster (UDS Type) Function improved</li> <li>- Basic Function</li> <li>DTC analysis</li> <li>Data analysis</li> <li>Actuation Test</li> <li>- Special function added</li> <li>Basic setting</li> <li>Adaptation</li> </ul>     |

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**CAN Gateway (UDS Type) Function improved**

- Basic Function
  - DTC analysis
  - Data analysis
  - Actuation Test
- Special function added
  - Basic setting

**Airbag (TP\_KWP 2000) New Type Added**

- Basic Function added
  - DTC analysis
  - Data analysis
- Special function added
  - Basic setting
  - Coding II

**Lane Change Assistant (UDS Type) Function improved**

- Basic Function
  - DTC analysis
  - Data analysis
  - Actuation Test
- Special function added
  - Basic setting
  - Adaptation

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**FORD EU**

**B-MAX 1.4L DURATEC 16V 2012 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)

**Steering Assistance (UDS Type) Function improved**

- Basic Function
  - DTC analysis
  - Data analysis
  - Actuation Test
- Special function added
  - Basic setting

**Headlight Range Control (UDS Type) Function improved**

- Basic Function
  - DTC analysis
  - Data analysis
  - Actuation Test
- Special function added
  - Basic setting
  - Adaptation

**B-MAX 1.5L Duratorq-Turbo Diesel Common Rail Injection 2012 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)

**Information Electronics (UDS Type) Function improved**

- Basic Function
  - DTC analysis
  - Data analysis
  - Actuation Test
- Special function added
  - Basic setting

**Back up Camera (UDS Type) Function improved**

- Basic Function
  - DTC analysis
  - Data analysis
  - Actuation Test
- Special function added
  - Basic setting

**Battery Regulation (UDS Type) Function improved**

- Special function added
  - Adaptation

**B-MAX 1.6L TDCi\_ECO\_II 2012 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)

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- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)

**Bantam 1.4L Duratorq-Turbo Diesel Common Rail Injection 2009.25 Vehicle Added**

- PCM(PowerTrain Control Module)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)

**FOCUS C-MAX 1.0L EcoBoost - Gas Turbocharged Direct Injection 2011 ~ 2014 Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body control module)
- DDM(Driver's Door Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- SRM(Speech Recognition Module)
- TRM(Trailer Module)

**FOCUS C-MAX 1.5L Duratorq-Turbo Diesel Common Rail Injection 2015 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- TCM(Transmission Control Module)

- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TRM(Trailer Module)

**FOCUS C-MAX 1.5L EcoBoost - Gas Turbocharged Direct Injection 2015 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TRM(Trailer Module)

**FOCUS C-MAX 1.6L DURATEC VCT 2015 ~ Vehicle Added**

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- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TRM(Trailer Module)

**FOCUS C-MAX 1.6L EcoBoost - Gas Turbocharged Direct Injection 2011 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- AHCM(Auxiliary Heater Control Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- DSP(Digital Signal Processing Module)
- FDSM(Front Distance Sensing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- HCM(Headlamp Control Module)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- RCM(Restraint Control Module)
- PSCM(Power Steering Control Module)
- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)

- SRM(Speech Recognition Module)
- TRM(Trailer Module)

**FOCUS C-MAX 1.6L TiVCT 2015 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TRM(Trailer Module)

**FOCUS C-MAX 2.0L Duratorq-Turbo Diesel Common Rail Injection 2015 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- TCM(Transmission Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)

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- RGTM(Rear Gate/Trunk Module)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TRM(Trailer Module)

### **FOCUS C-MAX 2.0L FFV 2010 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- DDM(Driver's Door Module)
- EATC(Electronic Automatic Temperature Control)
- EPS(Electronic Power Steering)
- GEM(Generic Electronic Module)
- HCM(Headlamp Control Module)
- IC(Instrument Cluster)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SRM(Speech Recognition Module)
- TCM(Transmission Control Module)

### **FOCUS C-MAX 2.0L Plug-in Hybrid Electric Vehicle 2013 ~ 2016 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACCM(Air Conditioning Control Module)
- ACM(Audio control module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- BECM(Battery Energy Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Converter Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GFM(Generic Function Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-B(Image Processing Module B)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)
- SASM(Steering Angle Sensor Module)
- SOBDM(Secondary OBD Control Module A)
- SOBDM-C(Secondary OBD Control Module C)
- TCU(Telematic Control Unit Module)

### **ECOSPORT 1.0L EcoBoost - Gas Turbocharged Direct Injection 2012 ~ 2013 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)

### **ECOSPORT 1.5L Duratorq-Turbo Diesel Common Rail Injection StgVI 2015 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telematic Control Unit Module)

### **ECOSPORT 1.6L ZETEC ROCAM 2003 ~ 2008 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- GEM(Generic Electronic Module)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)

### **ECOSPORT 1.6L ZETEC ROCAM 2009 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS/TCS(Anti-Lock Brake/Traction Control Module)
- IC(Instrument Cluster)
- RKE(Remote Keyless Entry)
- RCM(Restraint Control Module)

### **ECOSPORT 1.6L Sigma 2012 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)

- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)

### **ECOSPORT 1.6L DURATEC VCT 2013 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCM(Transmission Control Module)
- TCU(Telematic Control Unit Module)

### **ECOSPORT 2.0L FFV 2011 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS/TCS(Anti-Lock Brake/Traction Control Module)
- IC(Instrument Cluster)
- RKE(Remote Keyless Entry)
- RCM(Restraint Control Module)
- TBM(Tracking And Blocking Module)
- TCM(Transmission Control Module)

### **ECOSPORT 2.0L DURATEC-HE/I4 2012 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)

### **ECOSPORT 2.0L DURATEC 2012 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)

- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCM(Transmission Control Module)

### **Escort 1.5L TiVCT 2014 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- BCMii(Body Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)

### **Escape/Kuga 1.5L EcoBoost - Gas Turbocharged Direct Injection 2017 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- C-CM(Cruise Control Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HUD(Head Up Display)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module - Left)
- SOD-R(Side Obstacle Detection Control Module - Right)
- TCU(Telematic Control Unit Module)
- TRM(Trailer Module)

### **Escape/Kuga 2.0L EcoBoost - Gas Turbocharged Direct Injection 2013 ~ 2016 Vehicle Added**

- PCM(PowerTrain Control Module)

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- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- FCIM(Front Controls Interface Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TRM(Trailer Module)

### **Escape/Kuga 2.0L EcoBoost - Gas Turbocharged Direct Injection 2016 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- C-CM(Cruise Control Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)
- RCM(Restraint Control Module)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)

- TCU(Telematic Control Unit Module)
- TRM(Trailer Module)

### **Escape/Kuga 2.0L Duratorq-Turbo Diesel Common Rail Injection StgV 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- TCM(Transmission Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- FDSM(Front Distance Sensing Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TRM(Trailer Module)

### **Escape/Kuga 2.5L IVCT 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)

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- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TRM(Trailer Module)

**(All MY05) Escape/Tribute/Maverick/Mariner 3.0L 4V 2005 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- 4X4(4x4 Control Module)
- ABS(Anti-Lock Brake System)
- GEM(Generic Electronic Module)
- IC(Instrument Cluster)
- PAM(Parking Aid Module)
- RCM(Restraint Control Module)

**Explorer 3.7L TiVCT 2013 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- ATCM(All Terrain Control Module)
- BCM(Body Control Module)
- C-CM(Cruise Control Module)
- CLM(Column Lock Module)
- DCSM(Driver-Dual Climate Control Seat Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- DSP(Digital Signal Processing Module)
- FCIM(Front Controls Interface Module)
- FCDIM(Front Control/Display Interface Module)
- FLM(Front Lighting Control Module)
- GPSM(Global Positioning System Module)
- HUD(Head Up Display)
- HVAC(Heating Ventilation Air Conditioning)
- HSWM(Heated Steering Wheel Module)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- LTM(Liftgate/Trunk Module)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RLCM-A(Rear Lighting Control Module A)
- RTM(Radio Transceiver Module)
- SCCM(Steering Column Control Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TPM(Tire Pressure Monitor)

**EVEREST 2.0L EcoBoost - Gas Turbocharged Direct Injection 2014 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)

- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- ATCM(All Terrain Control Module)
- BCM(Body Control Module)
- C-CM(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RDCM(Reductant Control Module)
- RDCM(Reductant Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RHVAC(Rear Heating Ventilation Air Conditioning)
- RTM(Radio Transceiver Module)
- SCCM(Steering Column Control Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCCM(Transfer Case Control Module)
- TCM(Transmission Control Module)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)

**S. A. Fiesta 1.6L FFV 2011 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS/TCS(Anti-Lock Brake/Traction Control Module)
- IC(Instrument Cluster)
- RKE(Remote Keyless Entry)
- RCM(Restraint Control Module)
- TCM(Transmission Control Module)

**S. A. Fiesta 1.6L Zetec Rocam 2011 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS/TCS(Anti-Lock Brake/Traction Control Module)
- IC(Instrument Cluster)
- RKE(Remote Keyless Entry)
- RCM(Restraint Control Module)
- TCM(Transmission Control Module)

**S. A. Fiesta 1.4L Duratorq-Turbo Diesel Common Rail Injection 2010 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS/TCS(Anti-Lock Brake/Traction Control Module)
- IC(Instrument Cluster)
- RKE(Remote Keyless Entry)
- RCM(Restraint Control Module)

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### **Fiesta MY2013 1.0L EcoBoost - Gas Turbocharged Direct Injection 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telemetic Control Unit Module)

### **Fiesta MY2013 1.0L Gasoline Direct injection 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telemetic Control Unit Module)

### **Fiesta MY2013 1.0L Gas Turbocharged Direct Injection 2015 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telemetic Control Unit Module)

### **Fiesta MY2013 1.25L DURATEC 16V 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telemetic Control Unit Module)

### **Fiesta MY2013 1.4L DURATEC 16V 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- TCM(Transmission Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- IPC(Instrument Panel Control Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- HVAC(Heating Ventilation Air Conditioning)
- RFA(Remote Function Actuator)
- DDM(Driver's Door Module)
- FDSM(Front Distance Sensing Module)
- PDM(Passenger's Door Module)
- GPSM(Global Positioning System Module)
- TCU(Telemetic Control Unit Module)

### **Fiesta MY2013 1.5L Duratorq-Turbo Diesel Common Rail Injection StgV 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)

- RFA(Remote Function Actuator)
- TCM(Transmission Control Module)

### **Fiesta MY2013 1.5L Zetec-SE 2014 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telemetic Control Unit Module)

### **Fiesta MY2013 1.5L TiVCT 2014 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telemetic Control Unit Module)

### **Fiesta MY2013 1.6L Duratorq-Turbo Diesel Common Rail Injection StgV 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telemetic Control Unit Module)

### **Fiesta MY2013 1.6L EcoBoost - Gas Turbocharged Direct Injection 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telemetic Control Unit Module)

### **Fiesta MY2013 1.6L TDCi\_ECO\_II 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telemetic Control Unit Module)

### **Fiesta MY2013 1.6L DURATEC VCT 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)

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- RFA(Remote Function Actuator)
  - TCM(Transmission Control Module)
  - TCU(Telemetric Control Unit Module)
- Fiesta MY2013 1.6L TiVCT 2014 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- OCSM(Occupant Classification System Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCM(Transmission Control Module)
- TCU(Telematic Control Unit Module)

**Fiesta MY2013 1.6L Gas Turbocharged Direct Injection 2015 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCU(Telemetric Control Unit Module)

**FIESTA 1.4L DV4 Duratorq-Turbo Diesel Common Rail Injection 2006.25 Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- GEM(Generic Electronic Module)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)

**FIESTA 1.5L BZ 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- HVAC(Heating Ventilation Air Conditioning)

- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SRM(Speech Recognition Module)

**FIESTA 1.6L ZETEC ROCAM 2011 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS/TCS(Anti-Lock Brake/Traction Control Module)
- IC(Instrument Cluster)
- RKE(Remote Keyless Entry)
- RCM(Restraint Control Module)

**FIESTA 1.6L TiVCT 2008 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SRM(Speech Recognition Module)
- TCM(Transmission Control Module)

**FIESTA 1.6L TiVCT 2014 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- OCSM(Occupant Classification System Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- TCM(Transmission Control Module)
- TCU(Telematic Control Unit Module)

**FIESTA 1.6L DURATEC VCT 2008 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)

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- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SRM(Speech Recognition Module)
- TCM(Transmission Control Module)

### **FIESTA 1.6L Sigma 2012 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- IPC(Instrument Panel Control Module)
- GPSM(Global Positioning System Module)
- OCSM(Occupant Classification System Module)
- PSCM(Power Steering Control Module)
- RFA(Remote Function Actuator)
- RCM(Restraint Control Module)
- VSM(Vehicle Security Module)
- TCM(Transmission Control Module)

### **FIESTA 1.6L TDCi ECO II 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SRM(Speech Recognition Module)

### **FIESTA 1.6L EcoBoost - Gas Turbocharged Direct Injection 2014 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- OCSM(Occupant Classification System Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)

### **Fiesta SE 1.6L Sigma 2011 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)

- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- OCSM(Occupant Classification System Module)
- GPSM(Global Positioning System Module)
- RFA(Remote Function Actuator)
- PSCM(Power Steering Control Module)
- VSM(Vehicle Security Module)
- RCM(Restraint Control Module)
- TCM(Transmission Control Module)

### **FIGO 1.19L DURATEC 16V 2010.25 Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)

### **FIGO 1.4L DURATEC 16V 2010.25 Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)

### **FIGO 1.4L DURATEC 16V 2011.25 Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- GEM(Generic Electronic Module)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)

### **FOCUS 1.0L Gas Turbocharged Direct Injection 2015 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)

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- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)

### **FOCUS 1.5L Gas Turbocharged Direct Injection 2015**

#### **~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)

### **FOCUS 1.6L DURATEC 16V 2015 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)

- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)

### **FOCUS 1.6L TDCi\_ECO\_III 2012 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- SRM(Speech Recognition Module)
- TRM(Trailer Module)

### **FOCUS 1.6L FFV 2007 ~ 2010 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio control module)
- D\_DCU(Driver Door Control Unit)
- EATC(Electronic Automatic Temperature Control)
- EPS(Electronic power steering)
- GEM(Generic Electronic Module)
- HCM(Headlamp Control Module)
- IC(Instrument cluster)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- RCM(Restraint Control Module)
- RKE(Remote Keyless Entry)
- TCM(Transmission Control Module)
- PDM(Passenger's Door Module)
- SRM(Speech recognition module)

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### FOCUS 1.6L Sigma 2010 Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio control module)
- D\_DCU(Driver Door Control Unit)
- EATC(Electronic Automatic Temperature Control)
- EPS(Electronic power steering)
- GEM(Generic Electronic Module)
- HCM(Headlamp Control Module)
- IC(Instrument cluster)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- RCM(Restraint Control Module)
- RKE(Remote Keyless Entry)
- TCM(Transmission Control Module)
- PDM(Passenger's Door Module)
- SRM(Speech recognition module)

### FOCUS 1.8L DURATEC-HE/14 2008 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- CMR(Camera Module Rear)
- CDP(Compact Disc Player)
- D\_DCU(Driver Door Control Unit)
- EATC(Electronic Automatic Temperature Control)
- EPB(Electronic Parking Brake)
- EPS(Electronic Power Steering)
- FFH(Fuel Fired Coolant Heating Module)
- GDM(Generic Display Module)
- GEM(Generic Electronic Module)
- HCM(Headlamp Control Module)
- IC(Instrument Cluster)
- NAV(Navigation System)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- RCM(Restraint Control Module)
- RETM(Rear Entertainment Module)
- RKE(Remote Keyless Entry)
- SRM(Speech Recognition Module)
- CSM(Central Security Module)
- HEC(Hybrid Electrical Cluster)
- MC(Message Center)
- PATS(Passive Anti Theft System)-BETA

### FOCUS 2.0L EcoBoost - Gas Turbocharged Direct Injection 2012 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)

- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- ICM(Information Center Module)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- SRM(Speech Recognition Module)
- TRM(Trailer Module)

### FOCUS 2.0L FFV 2007 ~ 2010 Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio control module)
- D\_DCU(Driver Door Control Unit)
- EATC(Electronic Automatic Temperature Control)
- EPS(Electronic power steering)
- GEM(Generic Electronic Module)
- HCM(Headlamp Control Module)
- IC(Instrument cluster)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- RCM(Restraint Control Module)
- RKE(Remote Keyless Entry)
- TCM(Transmission Control Module)
- PDM(Passenger's Door Module)
- SRM(Speech recognition module)

### FOCUS 2.0L Gas Turbocharged Direct Injection 2015 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)

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- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telematic Control Unit Module)
- TRM(Trailer Module)

### **FOCUS Battery Electric Vehicle 23KWh 2012 ~ 2015 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACCM(Air Conditioning Control Module)
- ACM(Audio control module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- BECM(Battery Energy Control Module)
- DCDC(DC to DC Converter Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- GFM(Generic Function Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- IPM-B(Image Processing Module B)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)
- SOBDM(Secondary OBD Control Module A)
- TCM(Transmission Control Module)
- TCU(Telematic Control Unit Module)

### **Edge/Galaxy/S-Max 2.0L Duratorq-Turbo Diesel Common Rail Injection 2015 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- C-CM(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Convertal Control Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)

- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RHVAC(Rear Heating Ventilation Air Conditioning)
- RTM(Radio Transceiver Module)
- SASM(Steering Angle Sensor Module)
- SCCM(Steering Column Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SECM(Steering Effort Control Module)
- SOD-L(Side Obstacle Detection Control Module - Left)
- SOD-R(Side Obstacle Detection Control Module - Right)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

### **Edge/Galaxy/S-Max 2.7L EcoBoost - Gas Turbocharged Direct Injection 2015 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- C-CM(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Convertal Control Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)

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- IPM-B(Image Processing Module B)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RHVAC(Rear Heating Ventilation Air Conditioning)
- RTM(Radio Transceiver Module)
- SASM(Steering Angle Sensor Module)
- SCCM(Steering Column Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SECM(Steering Effort Control Module)
- SOD-L(Side Obstacle Detection Control Module - Left)
- SOD-R(Side Obstacle Detection Control Module - Right)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

### **FUSION 1.6L DURATEC 16V 2006 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- EATC(Electronic Automatic Temperature Control)
- GEM(Generic Electronic Module)
- IC(Instrument Cluster)
- SRM(Speech Recognition Module)
- RCM(Restraint Control Module)

### **GALAXY 1.6L Duratorq-Turbo Diesel Common Rail Injection 2010 ~ System Added**

- CDP(Compact Disc Player)
- DABM(Digital Audio Broadcast Module)
- NAV(Navigation System)

### **GALAXY 2.0L Duratorq-Turbo Diesel Common Rail Injection StgV 2010 ~ System Added**

- CDP(Compact Disc Player)
- DABM(Digital Audio Broadcast Module)
- NAV(Navigation System)

### **S-MAX 1.6L Duratorq-Turbo Diesel Common Rail Injection 2010 System Added**

- CDP(Compact Disc Player)
- DABM(Digital Audio Broadcast Module)
- NAV(Navigation System)

### **S-MAX 2.0L Duratorq-Turbo Diesel Common Rail Injection StgV 2010 ~ System Added**

- CDP(Compact Disc Player)
- DABM(Digital Audio Broadcast Module)
- NAV(Navigation System)

### **S-MAX 2.0L EcoBoost - Gas Turbocharged Direct Injection 2010 ~ 2014 System Added**

- CDP(Compact Disc Player)
- DABM(Digital Audio Broadcast Module)
- NAV(Navigation System)

### **F-Series Super Duty 6.8L 3V 2015 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- DCSM(Driver-Dual Climate Control Seat Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- HSWM(Heated Steering Wheel Module)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- RCM(Restraint Control Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Column Control Module)
- TBC(Trailer Brake Control Module)
- TCCM(Transfer Case Control Module)
- TRM(Trailer Module)

### **IKON 1.4L Duratorq-Turbo Diesel Common Rail Injection 2009 System Added**

- ABS(Anti-Lock Brake System)
- GEM(Generic Electronic Module)
- RCM(Restraint Control Module)

### **IKON 1.4L DV4 Duratorq-Turbo Diesel Common Rail Injection 2006.25 Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- GEM(Generic Electronic Module)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)

### **KA 1.2L Duratec 8V 2008 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- BCMii(Body Control Module)
- EATC(Electronic Automatic Temperature Control)
- CTMii(Convergence Telematics Module)
- EPS(Electronic Power Steering)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- RCM(Restraint Control Module)

### **KA 1.5L TiVCT 2014 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)

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- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- TCU(Telemetic Control Unit Module)

### KA / Fig 1.0L TiVCT 2014 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- TCU(Telemetic Control Unit Module)

### KA / Fig 1.19L Zetec-SE 2014 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- TCU(Telemetic Control Unit Module)

### KA / Fig 1.5L (DOHC)(SFI)(16V) 2014 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)

- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- TCU(Telemetic Control Unit Module)

### KA / Fig 1.5L DV5D 2014 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- TCU(Telemetic Control Unit Module)

### KA / Fig 1.5L TiVCT 2014 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- TCU(Telemetic Control Unit Module)

### MONDEO 1.0L GTDI StgV 2014 ~ Vehicle Added

- PCM(Powertrain Control Module)
- TCM(Transmission Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Convertal Control Module)
- DDM(Driver's Door Module)
- DSM(Driver Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)

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- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Colum Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

### **MONDEO 1.5L GTDI StqV 2015 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Converal Control Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RTM(Radio Transceiver Module)

- SCCM(Steering Colum Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

### **MONDEO 1.5L GTDI StgVI 2015 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Converal Control Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Colum Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

### **MONDEO 1.5L EcoBoost - Gas Turbocharged Direct Injection 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)

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- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- C-CM(Cruise Control Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Colume Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)

### MONDEO 1.5L TDCi\_StgVI ECO 2015 Vehicle Added

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DCDC(DC to DC Converal Control Module)
- DDM(Driver's Door Module)
- DSM(Driver Seat Module)
- DSP(Digital Signal Processing Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPM-A(Image Processing Module A)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)

- RGTM(Rear Gate/Trunk Module)
- RTM(Radio Transceiver Module)
- SCCM(Streering Colume Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

### MONDEO 1.6L DURATEC VCT 2011 ~ Vehicle Added

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- AHCM(Auxiliary Heater Control Module)
- ACM(Audio Control Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- CDP(Compact Disc Player)
- CMR(Camera Module Rear)
- DABM(Digital Audio Broadcast Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPM-A(Image Processing Module A)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PBM(Parking Brake Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)
- RHVAC(Rear Heating Ventilation Air Conditioning)
- SASM(Steering Angle Sensor Module)
- SRM(Speech Recognition Module)
- SOD-L(Side Obstacle Detection Control Module - Left)
- SOD-R(Side Obstacle Detection Control Module - Right)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

### MONDEO 1.6L TDCi\_StgV\_ECO 2015 ~ Vehicle Added

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Converal Control Module)
- DDM(Driver's Door Module)

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- DSM(Driver Seat Module)
- DSP(Digital Signal Processing Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPM-A(Image Processing Module A)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Colume Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

**MONDEO 2.0L DURATEC-HE/14 2007 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- AHCM(Auxiliary Heater Control Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- CMR(Camera Module Rear)
- DDM(Driver's Door Module)
- DSM(Driver Seat Module)
- HCM(HeadLamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PBM(Parking Brake Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- SASM(Steering Angle Sensor Module)
- SRM(Speech Recognition Module)
- TCM(Transmission Control Module)
- TRM(Trailer Module)
- VDM(Vehicle Dynamics Module)

**MONDEO 2.0L Duratorq-Turbo Diesel Common Rail Injection StgVI 2014 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- TCM(Transmission Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Convertal Control Module)
- DDM(Driver's Door Module)
- DSM(Driver Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Colume Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

**MONDEO 2.0L Full Hybrid Electric Vehicle 2015 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACCM(Air Conditioning Control Module)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- BECM(Battery Energy Control Module)
- CCMii(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Convertal Control Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)

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- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Colume Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SOD-L(Side Obstacle Detection Control Module - Left)
- SOD-R(Side Obstacle Detection Control Module - Right)
- SOBDM-C(Secondary OBD Control Module C)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

### MONDEO 2.0L GTDI StgV 2014 ~ Vehicle Added

- PCM(Powertrain Control Module)
- TCM(Transmission Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Converal Control Module)
- DDM(Driver's Door Module)
- DSM(Driver Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)

- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Colume Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

### MONDEO 2.0L Gas Turbocharged Direct Injection 2015 ~ Vehicle Added

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DCDC(DC to DC Converal Control Module)
- DDM(Driver's Door Module)
- DSM(Driver Seat Module)
- DSP(Digital Signal Processing Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HSWM(Heated Steering Wheel Module)
- HUD(Head Up Display)
- IPM-A(Image Processing Module A)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RACM(Rear Audio Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Colume Control Module)
- SCM-E(Seat Control Module E)
- SCM-G(Seat Control Module G)
- SCM-H(Seat Control Module H)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- TCU(Telemetic Control Unit Module)
- TRM(Trailer Module)

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- VDM(Vehicle Dynamic Module)  
**MONDEO 2.2L Duratorq-Turbo Diesel Common Rail Injection StgV 2011 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- TCM(Transmission Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- CDP(Compact Disc Player)
- CMR(Camera Module Rear)
- DABM(Digital Audio Broadcast Module)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPM-A(Image Processing Module A)
- IPC(Instrument Panel Control Module)
- NAV(Navigation System)
- PAM(Parking Aid Module)
- PBM(Parking Brake Control Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RFA(Remote Function Actuator)
- RGTM(Rear Gate/Trunk Module)
- RHVAC(Rear Heating Ventilation Air Conditioning)
- SASM(Steering Angle Sensor Module)
- SRM(Speech Recognition Module)
- SOD-L(Side Obstacle Detection Control Module - Left)
- SOD-R(Side Obstacle Detection Control Module - Right)
- TRM(Trailer Module)
- VDM(Vehicle Dynamic Module)

**Mustang 5.0L BOSS 2013 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM-B(Body Control Module B)
- FCIM(Front Controls Interface Module)
- FDIM(Front Display Interface Module)
- GEM/SJB(Generic Electronic Module/Smart Junction Box)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)

**Mustang 5.2L TiVCT 2015 ~ Vehicle Added**

- PCM(Powertrain Control Module)

- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- BCM-B(Body Control Module B)
- C-CM(Cruise Control Module)
- DACM-C(Digital Audio Control Module C)
- DDM(Driver's Door Module)
- DSM(Driver's Seat Module)
- DSP(Digital Signal Processing Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HUD(Head Up Display)
- ICM(Information Center Module)
- IPC(Instrument Panel Control Module)
- MRCM-A(Movable Roof Control Module A)
- MRCM-B(Movable Roof Control Module B)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Column Control Module)
- SCM-E(Seat Control Module E)
- SOD-L(Side Obstacle Detection Control Module Left)
- SOD-R(Side Obstacle Detection Control Module Right)
- VDM(Vehicle Dynamic Module)

**NOVO KA 1.0L FFV 2010 Vehicle Added**

- PCM(PowerTrain Control Module)
- RKE(Remote Keyless Entry)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)
- TBM(Tracking And Blocking Module)

**NOVO KA 1.0L ZETEC ROCAM 2009 Vehicle Added**

- PCM(PowerTrain Control Module)
- RKE(Remote Keyless Entry)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)

**NOVO KA 1.6L FFV 2011 Vehicle Added**

- PCM(Powertrain Control Module)
- RKE(Remote Keyless Entry)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)

**NOVO KA 1.6L ZETEC ROCAM 2009 Vehicle Added**

- PCM(Powertrain Control Module)
- RKE(Remote Keyless Entry)
- IC(Instrument Cluster)
- RCM(Restraint Control Module)

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### S.A. Courier 1.6L FFV 2011 Vehicle Added

- PCM(PowerTrain Control Module)
- IC(Instrument Cluster)
- TBM(Tracking And Blocking Module)

### Transit Connect 1.6L EcoBoost - Gas Turbocharged Direct Injection 2014 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCM(Body Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- SASM(Steering Angle Sensor Module)
- TRM(Trailer Module)

### Transit Connect 1.6L TDCi\_ECO\_III 2013 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPM-B(Image Processing Module B)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- SASM(Steering Angle Sensor Module)
- TRM(Trailer Module)

### Transit Connect 1.8L Duratorq-Turbo Diesel Common Rail Injection 2009.5 Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)

- FFH(Fuel Fired Coolant Heating Module)
- GEM(Generic Electronic Module)
- IC(Instrument Cluster)
- PAM(Parking Aid Module)
- RCM(Restraint Control Module)
- SRM(Speech Recognition Module)

### Transit Connect 2.0L DURATEC-HE/I4 2010 ~ 2011 Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- GEM/SJB(Generic Electronic Module/Smart Junction Box)
- IC(Instrument Cluster)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- RCM(Restraint Control Module)
- SRM(Speech Recognition Module)
- VSM(Vehicle Security Module)

### Transit Connect 2.0L DURATEC-HE/I4 2012 ~ 2013 Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Control Module)
- GEM/SJB(Generic Electronic Module/Smart Junction Box)
- IC(Instrument Cluster)
- OCSM(Occupant Classification System Module)
- PAM(Parking Aid Module)
- RCM(Restraint Control Module)
- SRM(Speech Recognition Module)
- VSM(Vehicle Security Module)

### Transit Connect 2.5L IVCT 2013 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPM-B(Image Processing Module B)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)

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# G-scan & G-scan2 Distributor Bulletin

2019 May Update Details

For GIT's authorized aftermarket distributors

May 1, 2019

- RCM(Restraint Control Module)
- SASM(Steering Angle Sensor Module)
- TRM(Trailer Module)

## **Transit Connect 1.0L EcoBoost - Gas Turbocharged Direct Injection 2013 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- DDM(Driver's Door Module)
- FCIM(Front Controls Interface Module)
- FDSM(Front Distance Sensing Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPM-B(Image Processing Module B)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- SASM(Steering Angle Sensor Module)
- TRM(Trailer Module)

## **Transit Courier 1.5L Duratorq-Turbo Diesel Common Rail Injection StgV 2014 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)

## **Transit Courier 1.6L TDCi\_ECO\_II 2014 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)

## **Transit Courier 1.0L EcoBoost - Gas Turbocharged Direct Injection 2014 ~ Vehicle Added**

- PCM(Powertrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- BCMii(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- GPSM(Global Positioning System Module)
- HVAC(Heating Ventilation Air Conditioning)
- IPC(Instrument Panel Control Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)

## **TRANSIT 2.2L Duratorq-Turbo Diesel Common Rail Injection 2006 ~2011 System Added**

- PAM(Parking Aid Module)
- FFH(Fuel Fired Coolant Heating Module)
- SRM(Speech Recognition Module)

## **TRANSIT 2.2L Duratorq-Turbo Diesel Common Rail Injection 2014 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- AWD(All Wheel Drive Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- PAM(Parking Aid Module)
- PRB(Power Running Board)
- RCM(Restraint Control Module)
- SASM(Steering Angle Sensor Module)
- TRM(Trailer Module)

## **TRANSIT 2.2L Duratorq-Turbo Diesel Common Rail Injection 2015 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- AWD(All Wheel Drive Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- FCDIM(Front Control/Display Interface Module)

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- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- PAM(Parking Aid Module)
- PRB(Power Running Board)
- RCM(Restraint Control Module)
- SASM(Steering Angle Sensor Module)
- TRM(Trailer Module)

### **TRANSIT 2.2L Duratorq-Turbo Diesel Common Rail Inj Stage V 2006.5 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- BCMii(Body Control Module)
- BCMii(Body Control Module)
- FFH(Fuel Fired Coolant Heating Module)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- SRM(Speech Recognition Module)

### **TRANSIT 2.2L Duratorq-Turbo Diesel Common Rail Injection StgVI 2014 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- AHCM(Auxiliary Heater Control Module)
- APIM(Accessory Protocol Interface Module)
- AWD(All Wheel Drive Module)
- BCMii(Body Control Module)
- CCMii(Cruise Control Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- HCM(Headlamp Control Module)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- PAM(Parking Aid Module)
- PRB(Power Running Board)
- RDCM(Reductant Control Module)
- RCM(Restraint Control Module)
- SASM(Steering Angle Sensor Module)
- TRM(Trailer Module)

### **TRANSIT 2.4L Duratorq-Turbo Diesel Common Rail Injection ~ 2006 System Added**

- PAM(Parking Aid Module)
- FFH(Fuel Fired Coolant Heating Module)
- SRM(Speech Recognition Module)

### **TRANSIT 2.4L Duratorq-Turbo Diesel Common Rail Injection 2011 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- ACM(Audio Control Module)
- BCMii(Body Control Module)
- FFH(Fuel Fired Coolant Heating Module)
- IPC(Instrument Panel Control Module)
- PAM(Parking Aid Module)
- RCM(Restraint Control Module)
- SRM(Speech Recognition Module)

### **TRANSIT 3.5L EcoBoost - Gas Turbocharged Direct Injection 2012 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Control Module)
- BCM(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- PAM(Park Aid Module)
- RCM(Restraint Control Module)
- SASM(Steering Angle Sensor Module)
- TBC(Trailer Brake Control Module)
- TRM(Trailer Module)

### **TRANSIT 3.7L TiVCT 2012 ~ Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Control Module)
- BCM(Body Control Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- IPM-B(Image Processing Module B)
- PAM(Park Aid Module)
- RCM(Restraint Control Module)
- SASM(Steering Angle Sensor Module)
- TBC(Trailer Brake Control Module)
- TRM(Trailer Module)

### **TOURNEO 1.8L Duratorq-Turbo Diesel Common Rail Injection 2009.5 Vehicle Added**

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- FFH(Fuel Fired Coolant Heating Module)
- GEM(Generic Electronic Module)

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- IC(Instrument Cluster)
- PAM(Parking Aid Module)
- RCM(Restraint Control Module)
- SRM(Speech Recognition Module)

- Engine Immobiliser
- Update odometer
- V.I.N write

### Ranger 2.5L DURATEC-HE/4 2011 ~ 2013 System Added

- APIM(Accessory Protocol Interface Module)
- GPSM(Global Positioning System Module)

### Ranger 2.5L IVCT 2014 ~ Vehicle Added

- PCM(PowerTrain Control Module)
- ABS(Anti-Lock Brake System)
- ACM(Audio Control Module)
- APIM(Accessory Protocol Interface Module)
- ATCM(All Terrain Control Module)
- BCM(Body Control Module)
- C-CM(Cruise Control Module)
- DDM(Driver's Door Module)
- FCDIM(Front Control/Display Interface Module)
- FCIM(Front Controls Interface Module)
- GPSM(Global Positioning System Module)
- GWM(Gateway Module A)
- HCM(Headlamp Control Module)
- HUD(Head Up Display)
- IPC(Instrument Panel Control Module)
- IPM-A(Image Processing Module A)
- PAM(Parking Aid Module)
- PDM(Passenger's Door Module)
- PSCM(Power Steering Control Module)
- RCM(Restraint Control Module)
- RGTM(Rear Gate/Trunk Module)
- RTM(Radio Transceiver Module)
- SCCM(Steering Column Control Module)
- TCU(Telematic Control Unit Module)
- TRM(Trailer Module)

### TRAFFIC III

- Injection
  - Basic Function
    - DTC analysis
    - Data analysis
    - Actuation test
    - ECU information
  - Advanced Function
    - Read Configuration
    - Engine injector codes
    - Cabin filter regeneration
    - Adaptives after replacing cabin filter
    - Adaptives after regenerating particle filter
    - Adaptives On Air Intake Flap Fault
    - Air Flowmeter Programming
    - Fuel Pump Programming
    - Injector adaptives
    - Programmed Values
    - Engine Adaptives [RZ002]
    - Swirl Flap
    - EGR Valve Programming
    - Low Pressure EGR Valve Programming
    - EGR Bypass Programming
    - Cruise control/Speed Limiter Programming
    - Flywheel target programming
    - Particle Filter Pressure Diff. Sensor
    - Proportional Richness Sensor Programming
    - Injection Pump Adaptatives [RZ077]
    - Air Damper Valve Programming
    - Turbo charger programming
    - Exhaust Flap Low Setting
    - Fuel supply prevention
    - Number of Starting 1
    - Number of Starting 2
    - Number of Starting 3
    - Number of Starting 4
    - V.I.N write

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## RENAULT / DACIA

### New System added

#### MASTER III

- Instrument panel
  - Basic Function
    - DTC analysis
    - Data analysis
    - Actuation test
    - ECU information
  - Advanced Function
    - Read configuration
    - Computer Initialisation

### Feedback

- UK : Fluence – Injection DTC added
- UK : Megane III – Injection Sensor added
- MEX : Latitude – Instrument Language Change bug fixed
- AUS : Master III DTC Bug fixed
- POL : Clio III DTC Bug fixed

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## BMW

**3 series – E46 (1999 - 2005)**

**DME (Engine electronics)**

- Special Function added
- DME - CAS adjustment

**5 series – E39 (1995 - 2003)**

**DME (Engine electronics)**

- Special Function added
- DME - CAS adjustment

**7 series – E38 (1994 - 2001)**

**DME (Engine electronics)**

- Special Function added
- DME - CAS adjustment

**X5 – E53 (2000 - 2006)**

**DME (Engine electronics)**

- Special Function added
- DME - CAS adjustment

**X3 – E83 (2004 - 2009)**

**SVT (Servotronic) added**

- Basic Function
- DTC analysis
- Data analysis
- ECU Information

**IHKA (Automatic heating/air conditioning)**

- Special Function added
- Deactivate transportation retainer

**MRS (Multiple Restraint System)**

- Special Function added
- Read coding data

**330e iPerformance (F30) added**

- DME (Digital Motor Electronics)
- EGS (Electronic transmission management)
- EME (Electrical machine electronics)
- GWS (Gear selector switch)
- SME (Battery management electronics)
- ACC (Active cruise control)
- DSC (Dynamic stability control)
- EPS (Electromechanical power steering)
- ICM (Integrated chassis management)
- KLE (Convenience charging electronics)
- TFE (Pressurized fuel tank control module)
- ACSM (Crash safety module)
- HU-H (Headunit High)
- CON (Controller)
- FEM (Front electronic module)
- FLEL (Frontal Light Electronics Left)
- IHKA (Integrated automatic heating / air conditioning system)

- KAFAS (Camera-based driver-assistance systems)
- KOMBI (Instrument panel)
- REM (Rear electronic module)
- SMFA (Seat module, driver)
- SWW (Lane change warning)
- TBX (Touchbox)
- TCB (Telematic Communication Box)
- TRSVC (ALL round-view camera)
- VSG (Vehicle Sound Generator)
- ZGM (Central Gateway Module)

**X3 – G01 (2018 - present) added**

- DME (Digital Motor Electronics)
- EGS (Electronic transmission management)
- GWS (Gear selector switch)
- VTG (Transfer box)
- DSC (Dynamic stability control)
- EPS (Electromechanical power steering)
- ACSM (Crash safety module)
- BDC (Body Domain Controller)
- HU-H (Headunit High)
- CON (Controller)
- FLEL (Frontal Light Electronics Left)
- FLER (Frontal Light Electronics Right)
- FZD (Roof function centre)
- HKFM (Tailgate function module)
- IHKA (Integrated automatic heating / air conditioning system)
- KAFAS (Camera-based driver-assistance systems)
- KOMBI (Instrument panel)
- PMA (Parking manoeuvre assistant)
- SMFA (Seat module, driver)
- SMBF (Seat module, passenger)
- TCB (Telematic Communication Box)
- TRSVC (ALL round-view camera)
- ZGM (Central Gateway Module)

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## LAND ROVER

Function Extended

- Discovery Sport 2017 : AU
- PCM (Powertrain Control Module)
- Advanced Function
- Service Message Reset

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## JAGUAR

### Function Improved

XJ 2002 : JAPAN  
ECM (Engine Control Module)  
- Basic Function  
DTC analysis

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## MERCEDES BENZ

### New system added

V-CLASS (639)  
- ESA Driver - Electric seat adjustment Driver  
Basic function  
DTC Analysis  
DTC EraseMemory  
Data Analysis  
Actuation Test  
ECU Information Display  
Support function  
Read coding and change if necessary  
Normalizing of forward/back adjustment  
Normalizing of height adjustment at front  
Normalizing of height adjustment at rear  
Normalizing of head restraint adjustment  
Normalizing of backrest adjustment

V-CLASS (639)  
- ESA Front passenger - Electric seat adjustment  
Front passenger  
Basic function  
DTC Analysis  
DTC EraseMemory  
Data Analysis  
Actuation Test  
ECU Information Display  
Support function  
Read coding and change if necessary  
Normalizing of forward/back adjustment  
Normalizing of height adjustment at front  
Normalizing of height adjustment at rear  
Normalizing of head restraint adjustment  
Normalizing of backrest adjustment

V-CLASS (639)  
- PSD/MSC - Sliding roof control  
Basic function

DTC Analysis  
DTC EraseMemory  
Data Analysis  
Actuation Test  
ECU Information Display  
Support function  
Sliding or tilting roof motor  
Normalizing routine / Learning process  
Adapt obstruction protection  
Setting of limit position of excess force limiter  
Anti-throbbing position  
Coding of sliding/tilting roof function of 'automatic operation'

V-CLASS (639)  
- PSM - Parameterizable special module  
Basic function  
DTC Analysis  
DTC EraseMemory  
Data Analysis  
Actuation Test  
ECU Information Display  
Support function  
Perform reset of control unit PSM

V-CLASS (639)  
- STL - Left electric sliding door  
Basic function  
DTC Analysis  
DTC EraseMemory  
Data Analysis  
Actuation Test  
ECU Information Display  
Support function  
Normalizing  
Detection of sliding movement  
Denormalization

V-CLASS (639)  
- STR - Right electric sliding door  
Basic function  
DTC Analysis  
DTC EraseMemory  
Data Analysis  
Actuation Test  
ECU Information Display  
Support function  
Normalizing  
Detection of sliding movement  
Denormalization

V-CLASS (639)  
- TPM - Tire pressure monitor  
Basic function  
DTC Analysis

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DTC EraseMemory  
 Data Analysis  
 ECU Information Display  
 Support function  
 Test of signal transmission between A69/1 (Left front TPM [RDK] wheel sensor) and N88/1 (TPM [RDK])  
 Test of signal transmission between A69/2 (Right front TPM [RDK] wheel sensor) and N88/1 (TPM [RDK])  
 Test of signal transmission between A69/3 (Right rear TPM [RDK] wheel sensor) and N88/1 (TPM [RDK])  
 Test of signal transmission between A69/4 (Left rear TPM [RDK] wheel sensor) and N88/1 (TPM [RDK])  
 Test of component A2/108 (Left front TPM [RDK] wheel antenna)  
 Test of component A2/109 (Right front TPM [RDK] wheel antenna)  
 Writing of specified pressure values

### V-CLASS (639)

- TSTH/STH - Stationary heater with remote control  
 Basic function  
 DTC Analysis  
 DTC EraseMemory  
 Data Analysis  
 Actuation Test  
 ECU Information Display  
 Support function  
 Switch on stationary heater (normal mode)  
 Switch on stationary heater (test mode)  
 Canceling the overheating, fault and crash interlock

### New function added

A-CLASS (176), AMG GT (190), B-CLASS (246), C-CLASS (204), CLA-CLASS (117), CLS-CLASS (218), E-CLASS (207), E-CLASS (212), G-CLASS (463 - 16P Connector), GLA-CLASS (156), GL-CLASS (166), GLE-CLASS (292), GLK-CLASS (204), M-CLASS (166), SLK-CLASS (172), SLS-CLASS (197), V-CLASS (447)

- NBR-LR/IRS-HLA - Left rear range radar

Basic function  
 Data Analysis

A-CLASS (176), AMG GT (190), B-CLASS (246), C-CLASS (204), CLA-CLASS (117), CLS-CLASS (218), E-CLASS (207), E-CLASS (212), G-CLASS (463 - 16P Connector), GLA-CLASS (156), GL-CLASS (166), GLE-CLASS (292), GLK-CLASS (204), M-CLASS (166), SLK-CLASS (172), SLS-CLASS (197), V-CLASS (447)

- NBR-RR/IRS-HRA - Right rear range radar

Basic function  
 Data Analysis

A-CLASS (176), AMG GT (190), B-CLASS (246), C-CLASS (205), CLA-CLASS (117), CL-CLASS (217),

CLS-CLASS (218), CLS-CLASS (257), E-CLASS (213), E-CLASS (238), GLC-CLASS (253), GL-CLASS (166), GLE-CLASS (292), M-CLASS (166), S-CLASS (217), S-CLASS (222), V-CLASS (447), X-CLASS (470/471)

- AUDIO/COMAND

Basic function  
 Data Analysis  
 Actuation Test

A-CLASS (176), AMG GT (190), B-CLASS (246), C-CLASS (205), CLA-CLASS (117), CL-CLASS (217), CLS-CLASS (218), CLS-CLASS (257), E-CLASS (238), GLC-CLASS (253), GL-CLASS (166), GLE-CLASS (292), M-CLASS (166), S-CLASS (217), S-CLASS (222), V-CLASS (447), X-CLASS (470/471)

- DAB/SDAR - Digital/Satellite radio

Basic function  
 Data Analysis

A-CLASS (176), AMG GT (190), B-CLASS (246), C-CLASS (205), CLA-CLASS (117), CL-CLASS (217), CLS-CLASS (218), E-CLASS (213), E-CLASS (238), GLC-CLASS (253), GL-CLASS (166), GLE-CLASS (292), M-CLASS (166), S-CLASS (217), S-CLASS (222), V-CLASS (447), X-CLASS (470/471)

- AUDIO/COMAND

Basic function  
 Data Analysis  
 Actuation Test

A-CLASS (176), B-CLASS (246), C-CLASS (204), CLA-CLASS (117), CLS-CLASS (218), E-CLASS (207), E-CLASS (212), GLA-CLASS (156), GL-CLASS (166), GLK-CLASS (204), M-CLASS (166), SL-CLASS (231), SLK-CLASS (172)

- Drive Kit Plus - Drive kit for iPhone(R)

Basic function  
 Data Analysis

A-CLASS (176), B-CLASS (246), CLA-CLASS (117), CLS-CLASS (218), E-CLASS (207), E-CLASS (212), GLA-CLASS (156), GL-CLASS (166), GLE-CLASS (292), M-CLASS (166)

- RFK - Backup camera

Basic function  
 Data Analysis

A-CLASS (176), B-CLASS (246), CLA-CLASS (117), CLS-CLASS (218), E-CLASS (207), E-CLASS (212), GL-CLASS (166), GLE-CLASS (292), M-CLASS (166), SLK-CLASS (172)

- COU [ZBE] - Audio/COMAND operating unit

Basic function  
 Data Analysis

A-CLASS (176), B-CLASS (246), CLA-CLASS (117), CLS-CLASS (218), E-CLASS (207), E-CLASS (212),

GL-CLASS (166), GLE-CLASS (292), M-CLASS (166),  
SLK-CLASS (172)

- SOUND - Sound system
- Basic function
- Data Analysis

A-CLASS (176), B-CLASS (246), CLA-CLASS (117),  
CLS-CLASS (218), GL-CLASS (166), GLE-CLASS (292),  
M-CLASS (166), SLK-CLASS (172)

- ZAN - Audio/COMAND display
- Basic function
- Data Analysis

A-CLASS (176), B-CLASS (246), CLA-CLASS (117),  
GLA-CLASS (156), GL-CLASS (166), GLE-CLASS  
(292), M-CLASS (166), V-CLASS (447)

- AHE - Trailer recognition
- Basic function
- Data Analysis
- Actuation Test

A-CLASS (177)

- ABS/ESP - Electronic stability program
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Calibration of component 'Yaw rate sensor for lateral and longitudinal acceleration'
- Calibration of component 'Electric parking brake'
- Resetting value 'Clutch grip point'
- Function test of component 'S9/1 (Brake light switch)
- Activation of function 'Permanent fault memory'

A-CLASS (177)

- CTEL/TEL - Cellular/Mobile telephone
- Basic function
- Data Analysis
- Support function
- Resistance of GSM antenna
- Control unit reset

A-CLASS (177)

- DCM-FL - Door control module front left
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Normalization of power window
- Deactivation of production mode
- Control unit reset

A-CLASS (177)

- DCM-FR - Door control module front right

Basic function

- Data Analysis
- Actuation Test
- Support function
- Normalization of power window
- Deactivation of production mode
- Control unit reset

A-CLASS (177)

- DS-LF/AMKS-LF - Dynamic/Active seat
- Basic function
- Data Analysis

A-CLASS (177)

- DS-RF/AMKS-RF - Dynamic/Active seat
- Basic function
- Data Analysis

A-CLASS (177)

- Headlamp/Headlamp-L - Headlamp control unit
- Basic function
- Data Analysis

A-CLASS (177)

- Head-up display
- Basic function
- Data Analysis
- Actuation Test

A-CLASS (177)

- IC - Instrument cluster
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Control unit reset

A-CLASS (177)

- ME/CDI/CNG - Engine control unit
- Basic function
- Data Analysis
- Actuation Test
- Support function
- A92/3r1 (Fuel filter heater heating element)
- M3 (Fuel pump)
- Y130 (Engine oil pump valve)
- Diagnostic glowing
- Notes on actuations of component parts in other control units
- Injector injection quantity adjustment
- Adjustment of zero quantity calibration
- Resetting of learned values of component 'B2/5 (Hot film mass air flow sensor)'
- Resetting of learned values of component 'B175 (Temperature sensors sensor unit)'
- Resetting of learned values of component

'Exhaust aftertreatment unit'

Resetting learned values of component parts

'Fuel system high pressure pump' and 'Rail'

Teach-in process of component 'Y27/7 (Exhaust gas recirculation actuator, low pressure)'

Teach-in process of component 'Y27/8 (Exhaust gas recirculation actuator, high pressure)'

Teach-in process of component 'M16/6 (Throttle valve actuator)'

Teach-in process of component 'Y77/1 (Boost pressure regulator)'

Activation of component 'M3 (Fuel pump)'

Enabling of engine start after crash event

Engine oil pump valve

Activation of fuel pump

Teach in of throttle valve stop

Reset of mixture adaptation values

Perform teach-in process 'Sensor rotor adaptation'

Teach-in process Timing chain

A-CLASS (177)

- PSD/MSK - Sliding roof control

Basic function

Data Analysis

Actuation Test

Support function

Teach-in process of anti-pinch protection

A-CLASS (177)

- SG-LML-VL - LED matrix of left front lamp unit

Basic function

Data Analysis

Actuation Test

Support function

Self-test of system 'LED matrix'

Resetting of operating hours counters of component 'E1 (Left front lamp unit)'

Resetting the operating hours counters of component 'E1m4 (Left front lamp unit fan motor 1)'

A-CLASS (177)

- SG-LML-VR - LED matrix of right front lamp unit

Basic function

Data Analysis

Actuation Test

Support function

Self-test of system 'LED matrix'

Resetting of operating hours counters of component 'E2 (Right front lamp unit)'

Resetting the operating hours counters of component 'E2m4 (Right front lamp unit fan motor 1)'

A-CLASS (177)

- SOUND - Sound system

Basic function

Data Analysis

A-CLASS (177)

- STM - Mirror taximeter

Basic function

Data Analysis

A-CLASS (177)

- Suspension

Basic function

Data Analysis

Actuation Test

Support function

Level calibration

A-CLASS (177)

- TPAD - Touchpad

Basic function

Data Analysis

Actuation Test

Support function

Control unit reset

A-CLASS (177)

- VG - Transfer case

Basic function

Data Analysis

Actuation Test

Support function

Adaptation of clutch engagement point

A-CLASS (177)

- Windshield reading system

Basic function

Data Analysis

Actuation Test

Support function

Control unit reset

A-CLASS (177), C-CLASS (205), CLS-CLASS (257), E-CLASS (213), E-CLASS (238), GLC-CLASS (253), S-CLASS (222), Sprinter (907)

- AHE - Trailer recognition

Basic function

Data Analysis

A-CLASS (177), C-CLASS (205), E-CLASS (213), GLC-CLASS (253), S-CLASS (222)

- Multifunction control unit

Basic function

Data Analysis

Support function

Reinitialization of the CANopen bus

Erasing of fault memories of CANopen peripheral

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devices

A-CLASS (177), CLS-CLASS (218), CLS-CLASS (257), E-CLASS (213), E-CLASS (238), Sprinter (907), V-CLASS (447), X-CLASS (470/471)

- DTA - Mbrace or TELEAID/GPS Box

Basic function  
 Data Analysis  
 Actuation Test

A-CLASS (177), CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- DTR - DISTRONIC

Basic function  
 Data Analysis  
 Support function

Resetting of learned values of component 'A108/1 (DISTRONIC Distance-Pilot controller unit)'

A-CLASS (177), CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- NBR-LR/IRS-HLA - Left rear range radar

Basic function  
 Data Analysis  
 Support function

Resetting of learned values of component 'B92/10 (Left outer rear bumper radar sensor)'

A-CLASS (177), CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- NBR-RR/IRS-HRA - Right rear range radar

Basic function  
 Data Analysis  
 Support function

Resetting of learned values of component 'B92/7 (Right outer rear bumper radar sensor)'

A-CLASS (177), CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- SGR - Radar sensors control unit

Basic function  
 Data Analysis  
 Support function

Reset of reading of frequency counter 'Crash event'

Resetting of learned values of component 'Mercedes-Benz Intelligent Drive'

A-CLASS (177), CLS-CLASS (257), E-CLASS (213), E-CLASS (238), S-CLASS (222)

- AML - Ambiance light

Basic function  
 Data Analysis  
 Actuation Test  
 Support function

Self-test

Addressing of LIN bus participants

A-CLASS (177), CLS-CLASS (257), E-CLASS (213), E-CLASS (238), Sprinter (907)

- MFK - Multifunction camera

Basic function  
 Data Analysis

A-CLASS (177), CLS-CLASS (257), E-CLASS (213), E-CLASS (238), Sprinter (907)

- PTS - Parktronic system

Basic function  
 Data Analysis  
 Actuation Test  
 Support function

Calibration of control unit 'N62 (Parking system control unit)'

A-CLASS (177), CLS-CLASS (257), E-CLASS (213), E-CLASS (238), Sprinter (907)

- SCR - Selective catalytic reduction

Basic function  
 Data Analysis  
 Actuation Test

Support function

Calibration of component 'A103/1b5 (AdBlue(R) fill level sensor)'

Resetting the calculated fill level of the AdBlue(R) tank

A-CLASS (177), CLS-CLASS (257), E-CLASS (213), E-CLASS (238), Sprinter (907), X-CLASS (470/471)

- PTCU - Common powertrain controller

Basic function  
 Data Analysis  
 Actuation Test

A-CLASS (177), CLS-CLASS (257), E-CLASS (238)

- VG - Transfer case

Basic function  
 Data Analysis

A-CLASS (177), CLS-CLASS (257), E-CLASS (238), Sprinter (907)

- ESA Driver - Electric seat adjustment Driver

Basic function  
 Data Analysis  
 Actuation Test  
 Support function  
 Normalization

A-CLASS (177), CLS-CLASS (257), E-CLASS (238), Sprinter (907)

- ESA Front passenger - Electric seat adjustment

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Front passenger	Data Analysis
Basic function	Actuation Test
Data Analysis	
Actuation Test	
Support function	
Normalization	
A-CLASS (177), CLS-CLASS (257), E-CLASS (238), Sprinter (907)	A-CLASS (177), Sprinter (907)
- RFK - Backup camera	- AAC - Automatic air conditioning
Basic function	Basic function
Data Analysis	Data Analysis
Support function	Actuation Test
Calibration with calibration aid	Support function
	Normalization
	Teach-in of actuator motors
	Breaking-in of refrigerant compressor
A-CLASS (177), CLS-CLASS (257), Sprinter (907)	A-CLASS (177), Sprinter (907)
- MFL - Steering wheel shift buttons	- AB - Airbag
Basic function	Basic function
Data Analysis	Data Analysis
Actuation Test	A-CLASS (177), Sprinter (907)
	- AUDIO/COMAND
A-CLASS (177), E-CLASS (213)	Basic function
- SG-DDW - DC/DC converter control unit	Data Analysis
Basic function	Actuation Test
Data Analysis	Support function
Support function	Self-test
High-voltage component lock	Wiring test of radio antennas
Teach-in of position sensor	Determination of number of receivable radio transmitters
	Control unit reset
	Teach-in process Digital operator's manual (Control unit 'MBUX multimedia system')
	Restore initial authorization certificate for VPN connection
A-CLASS (177), E-CLASS (238)	A-CLASS (177), Sprinter (907)
- BNS/BMS - Battery sensor	- EZS/EIS - Electronic ignition lock
Basic function	Basic function
Data Analysis	Data Analysis
Actuation Test	Actuation Test
Support function	
Signal generator for interlock circuit	
Contactors of high-voltage battery	
Isolation measurement	
A-CLASS (177), E-CLASS (238)	A-CLASS (177), Sprinter (907)
- MFK - Multifunction camera	- FSCU/FSCU-L - Control unit Fuel pump
Basic function	Basic function
Data Analysis	Data Analysis
A-CLASS (177), E-CLASS (238), Sprinter (907)	A-CLASS (177), Sprinter (907)
- ATA - ATA [EDW]/tow-away/interior protection	- Headlamp/Headlamp-L - Headlamp control unit
Basic function	Basic function
Data Analysis	Data Analysis
Support function	Actuation Test
Self-test of control unit 'N26/6 (ATA/towing sensor/interior motion sensor control module)'	Support function
	Zero position adjustment
	Resetting of operating hours counters of component 'E1 (Left front lamp unit)'
A-CLASS (177), E-CLASS (238), Sprinter (907)	A-CLASS (177), Sprinter (907)
- TPM - Tire pressure monitor	- Headlamp-R - Headlamp control unit
Basic function	

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<ul style="list-style-type: none"> <li>Basic function</li> <li>  Data Analysis</li> <li>  Actuation Test</li> <li>Support function</li> <li>  Resetting of operating hours counters of component 'E2 (Right front lamp unit)'</li> </ul>	<ul style="list-style-type: none"> <li>(DISTRONIC Distance-Pilot controller unit)'</li> <li>  Manufacturer default setting</li> </ul>
<ul style="list-style-type: none"> <li>A-CLASS (177), Sprinter (907)</li> <li>- MTAS - Mobile phone cradle</li> <li>  Basic function</li> <li>  Data Analysis</li> <li>  Actuation Test</li> <li>Support function</li> <li>  Self-test</li> <li>  Control unit reset</li> </ul>	<ul style="list-style-type: none"> <li>A-CLASS (177), Sprinter (907)</li> <li>- ZAN - Audio/COMAND display</li> <li>  Basic function</li> <li>  Data Analysis</li> <li>  Actuation Test</li> <li>Support function</li> <li>  Control unit reset</li> </ul>
<ul style="list-style-type: none"> <li>A-CLASS (177), Sprinter (907)</li> <li>- NBR-LR/IRS-HLA - Left rear range radar</li> <li>  Basic function</li> <li>  Data Analysis</li> <li>Support function</li> <li>  Resetting of learned values of component 'B92/11 (Left outer rear bumper integrated radar sensor)'</li> <li>  Reset VIN</li> </ul>	<ul style="list-style-type: none"> <li>A-CLASS (177), V-CLASS (447)</li> <li>- FSCU/FSCU-L - Control unit Fuel pump</li> <li>  Basic function</li> <li>  Data Analysis</li> <li>  Actuation Test</li> <li>AMG GT (190), C-CLASS (205), CL-CLASS (217), GLC-CLASS (253), S-CLASS (217), S-CLASS (222)</li> <li>- IC - Instrument cluster</li> <li>  Support function</li> <li>  Service remainder reset (Manual)</li> </ul>
<ul style="list-style-type: none"> <li>A-CLASS (177), Sprinter (907)</li> <li>- NBR-RR/IRS-HRA - Right rear range radar</li> <li>  Basic function</li> <li>  Data Analysis</li> <li>Support function</li> <li>  Resetting of learned values of component 'B92/6 (Right outer rear bumper integrated radar sensor)'</li> <li>  Reset VIN</li> </ul>	<ul style="list-style-type: none"> <li>AMG GT (190), C-CLASS (205), CL-CLASS (217), GLC-CLASS (253), S-CLASS (217), S-CLASS (222), V-CLASS (447)</li> <li>- RFK - Backup camera</li> <li>  Support function</li> <li>  Calibration of reversing camera</li> </ul>
<ul style="list-style-type: none"> <li>A-CLASS (177), Sprinter (907)</li> <li>- SAM-F/SAM-D - Signal acquisition and actuation module front/driver side</li> <li>  Basic function</li> <li>  Data Analysis</li> <li>  Actuation Test</li> </ul>	<ul style="list-style-type: none"> <li>AMG GT (190), C-CLASS (205), CL-CLASS (217), GLC-CLASS (253), S-CLASS (217), S-CLASS (222), V-CLASS (447)</li> <li>- SOUND - Sound system</li> <li>  Basic function</li> <li>  Data Analysis</li> </ul>
<ul style="list-style-type: none"> <li>A-CLASS (177), Sprinter (907)</li> <li>- SCM [MRM] - Steering column module</li> <li>  Basic function</li> <li>  Data Analysis</li> <li>  Actuation Test</li> </ul>	<ul style="list-style-type: none"> <li>AMG GT (190), C-CLASS (205), CLS-CLASS (257), E-CLASS (213), E-CLASS (238), GLC-CLASS (253), V-CLASS (447), X-CLASS (470/471)</li> <li>- COU [ZBE] - Audio/COMAND operating unit</li> <li>  Support function</li> <li>  Initial startup of component 'N72/1 (Upper control panel control unit)'</li> <li>  Initial startup of component 'N72/5 (Right lower control panel)'</li> <li>  Initial startup of component 'N72/4 (Left lower control panel)'</li> </ul>
<ul style="list-style-type: none"> <li>A-CLASS (177), Sprinter (907)</li> <li>- SG-AWF - Collision prevention assist</li> <li>  Basic function</li> <li>  Data Analysis</li> <li>Support function</li> <li>  Calibration of component 'A108/1 (DISTRONIC Distance-Pilot controller unit)'</li> <li>  Resetting of learned values of component 'A108/1</li> </ul>	<ul style="list-style-type: none"> <li>B-CLASS (246)</li> <li>- PTCU - Common powertrain controller</li> <li>  Basic function</li> <li>  Actuation Test</li> <li>Support function</li> <li>  Vacuum pump</li> <li>  Park pawl actuator motor</li> </ul>

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Resetting of parameter data for the component 'M56 (Vacuum pump)'  
 Resetting of fare settings  
 Writing of the VIN  
 Performance of a control unit power-down  
 Teach-in process of component 'M56 (Vacuum pump)'  
 Replace component 'M56 (Vacuum pump)'

### B-CLASS (246)

- PTCU-GW - Drivetrain gateway
- Basic function
- Data Analysis

C-CLASS (204), CL-CLASS (216), CLS-CLASS (218), E-CLASS (207), E-CLASS (212), GL-CLASS (164), GL-CLASS (166), GLE-CLASS (292), GLK-CLASS (204), M-CLASS (164), M-CLASS (166), R-CLASS (251), S-CLASS (221), SL-CLASS (231), SLK-CLASS (172)

- DTR - DISTRONIC
- Basic function
- Data Analysis

C-CLASS (204), CL-CLASS (216), CLS-CLASS (218), E-CLASS (207), E-CLASS (212), GL-CLASS (166), GLE-CLASS (292), GLK-CLASS (204), M-CLASS (166), S-CLASS (221), SL-CLASS (231), SLK-CLASS (172)

- SGR - Radar sensors control unit
- Support function
- Reset frequency counter 'Emergency stop'
- Initial startup of components 'B29/2 (Left front bumper DISTRONIC (DTR) sensor)' and 'B29/3 (Right front bumper DISTRONIC (DTR) sensor)'

C-CLASS (204), CLS-CLASS (218), E-CLASS (207), E-CLASS (212), GL-CLASS (166), GLE-CLASS (292), GLK-CLASS (204), M-CLASS (166), S-CLASS (221), SL-CLASS (231), SLK-CLASS (172)

- SGR - Radar sensors control unit
- Support function
- Reset frequency counter 'Emergency stop'

C-CLASS (204), CLS-CLASS (218), E-CLASS (207), E-CLASS (212), GL-CLASS (166), GLE-CLASS (292), GLK-CLASS (204), M-CLASS (166), SL-CLASS (231), SLK-CLASS (172)

- SGR - Radar sensors control unit
- Support function
- Reset of reading of frequency counter 'Crash event'

Initial startup of components 'B29/2 (Left front bumper DISTRONIC (DTR) sensor)' and 'B29/3 (Right front bumper DISTRONIC (DTR) sensor)'

C-CLASS (204), CLS-CLASS (218), E-CLASS (207), E-CLASS (212), GL-CLASS (166), GLE-CLASS (292), GLK-CLASS (204)

- CTEL/TEL - Cellular/Mobile telephone
- Basic function
- Data Analysis
- Support function
- Self-test

C-CLASS (204), E-CLASS (207), GLK-CLASS (204)

- 360' - Camera
- Support function
- Calibration of 360' camera at front end
- Calibration of 360' camera at rear end
- Calibration of 360' camera in left outside mirror
- Calibration of 360' camera in right outside mirror
- Calibration of multiple 360' cameras

C-CLASS (205), CL-CLASS (217), E-CLASS (212), GLC-CLASS (253), S-CLASS (217), S-CLASS (222)

- BNS/BMS - Battery sensor
- Basic function
- Actuation Test
- Support function
- Isolation measurement with open contactors
- Unlock high-voltage component lock

C-CLASS (205), CL-CLASS (217), E-CLASS (213), GLC-CLASS (253), S-CLASS (217), S-CLASS (222)

- BNS/BMS - Battery sensor
- Basic function
- Actuation Test
- Support function
- Isolation measurement with open contactors , Relay 'OPEN'

C-CLASS (205), CL-CLASS (217), E-CLASS (238), GLC-CLASS (253), S-CLASS (217), S-CLASS (222)

- PSD/MSC - Sliding roof control
- Basic function
- Data Analysis

C-CLASS (205), E-CLASS (213)

- HFPM - Haptic accelerator pedal module
- Support function
- Generation of an actuation point at component 'Haptic accelerator pedal module'
- Generation of a double pulse at component 'Haptic accelerator pedal module'

C-CLASS (205), GLC-CLASS (253), V-CLASS (447)

- 360' - Camera
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Calibration of 360' camera at front end
- Calibration of 360' camera at rear end

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Calibration of 360' camera in left outside mirror  
 Calibration of 360' camera in right outside mirror  
 Calibration of multiple 360' cameras  
 Self-test of system '360' camera'

**CITAN (415)**

- AAC - Automatic air conditioning
- Basic function
- Data Analysis
- Actuation Test

**CITAN (415)**

- ES - Electrical power steering
- Basic function
- Data Analysis

**CITAN (415)**

- ETC - Electronic transmission control
- Basic function
- Data Analysis
- Support function
- Teach-in of reference positions of selector drums
- Check direction detection of component 'B108 (Rpm sensor 1, transmission input shaft with direction detection)'
- Switch off incline recognition for dynamometer mode
- Teach-in process of component 'B56/1 (Transmission mode recognition sensor)'

**CITAN (415)**

- Fuse and relay module - Fuse and relay modules
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Reset wear value of component 'Battery'

**CITAN (415)**

- IC - Instrument cluster
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Control unit reset

**CITAN (415)**

- ME/CDI/CNG - Engine control unit
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Regeneration of diesel particulate filter
- Compression test
- Injector drift

- Rail pressure
- Status of teach-in processes
- Activation of component 'Fuel pump'
- Brake pedal
- Turbocharger
- B2/5 (Hot film mass air flow sensor)
- M16/6 (Throttle valve actuator)
- Y27/17 (Exhaust flap controller)
- B17 (Pressure sensor and charge air temperature sensor)
- Y27/9 (Exhaust gas recirculation positioner (high-pressure circuit))
- Y111/2 (Exhaust gas recirculation positioner (low-pressure circuit))
- S40/3 (Clutch pedal switch)
- B70 (Crankshaft Hall sensor)
- B4/6 (Fuel pressure sensor, high pressure)
- Injector injection quantity adjustment
- Resetting of learned values of component 'B28/8 (Differential pressure sensor (DPF))'
- Diesel particulate filter
- Teach in component 'M16/6 (Throttle valve actuator)'
- Resetting of learned values of component 'Turbocharger'
- Teach in component 'B6/16 (Exhaust camshaft Hall sensor)'
- Teach in component 'Y49/4 (Intake camshaft solenoid)'
- Teach in component 'Y49/5 (Exhaust camshaft solenoid)'
- Resetting of learned values of component 'B4/6 (Rail pressure sensor)'
- Resetting of learned values of component 'Fuel injector'
- Teach in component 'B70 (Crankshaft Hall sensor)'
- Teach in component 'S9/1 (Brake light switch)'
- Teach in component 'S40/3 (Clutch pedal switch)'
- Resetting of learned values of component 'Fuel system high pressure pump'
- Hot film mass air flow sensor
- Throttle valve
- Exhaust flap
- Exhaust gas recirculation actuator (high pressure)
- Exhaust gas recirculation actuator (low pressure)
- Boost pressure sensor
- Differential pressure sensor of diesel particular filter
- Resetting of learned values of component 'Diesel particulate filter'
- Fuel system high pressure pump
- Rail pressure sensor
- Hall sensor of crankshaft
- Brake light switch

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Switch 'Clutch pedal'  
Dynamic test camshaft positioner  
Fuel supply  
Pressure transducer 'Wastegate'  
SCR catalytic converter

**CITAN (415)**

- PTS - Parktronic system

Basic function  
Data Analysis  
Actuation Test

**CITAN (415)**

- TPM - Tire pressure monitor

Basic function  
Data Analysis  
Support function  
Function test of component 'A69/1 (Left front tire pressure sensor)' AT STANDSTILL  
Function test of component 'A69/2 (Right front tire pressure sensor)' AT STANDSTILL  
Function test of component 'A69/4 (Right rear tire pressure sensor)' AT STANDSTILL  
Function test of component 'A69/3 (Left rear tire pressure sensor)' AT STANDSTILL  
Function test of component 'A69/1 (Left front tire pressure sensor)' while driving  
Function test of component 'A69/2 (Right front tire pressure sensor)' while driving  
Function test of component 'A69/4 (Right rear tire pressure sensor)' while driving  
Function test of component 'A69/3 (Left rear tire pressure sensor)' while driving  
Reading out the values : Identification numbers of tire pressure sensors  
Perform automatic teach-in process for tire pressure sensors  
Teach in component 'A69/1 (Left front tire pressure sensor)'  
Teach in component 'A69/2 (Right front tire pressure sensor)'  
Teach in component 'A69/3 (Left rear tire pressure sensor)'  
Teach in component 'A69/4 (Right rear tire pressure sensor)'  
Teach in component 'Tire pressure sensors'

CL-CLASS (216), CLS-CLASS (218), E-CLASS (212), GL-CLASS (166), M-CLASS (166), S-CLASS (221)

- NSA - Night View Assist  
Support function  
Calibration

**CLS-CLASS (218)**

- SG-LML-VL - LED matrix of left front lamp unit

Basic function

Data Analysis

Actuation Test

Support function

Resetting of operating hours counters of component 'E1 (Left front lamp unit)'

Resetting the operating hours counter of component 'E1m4 (Left front lamp unit fan motor 1)'

**CLS-CLASS (218)**

- SG-LML-VR - LED matrix of right front lamp unit

Basic function

Data Analysis

Actuation Test

**CLS-CLASS (218), CLS-CLASS (257), E-CLASS (238)**

- DAB/SDAR - Digital/Satellite radio

Basic function

Data Analysis

**CLS-CLASS (218), E-CLASS (207), E-CLASS (212), GL-CLASS (166), GLE-CLASS (292), M-CLASS (166)**

- 360' - Camera

Basic function

Data Analysis

**CLS-CLASS (218), E-CLASS (207), E-CLASS (212), SL-CLASS (231)**

- NSA - Night View Assist

Support function

Calibration

**CLS-CLASS (218), E-CLASS (207), E-CLASS (212), V-CLASS (447)**

- RFK - Backup camera

Support function

Calibration of reversing camera

**CLS-CLASS (218), E-CLASS (212), GL-CLASS (166), M-CLASS (166), SL-CLASS (231)**

- DSP/PPAMKS - Pneumatic pump for seat

Basic function

Data Analysis

Actuation Test

**CLS-CLASS (218), GLE-CLASS (292), Sprinter (906), Sprinter (907), Sprinter (909), V-CLASS (447)**

- DTA - Mbrace or TELEAID/GPS Box

Basic function

Data Analysis

Actuation Test

Support function

Control unit reset

Workshop mode

Self-test

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### Speaker

#### CLS-CLASS (218), S-CLASS (221)

- SOUND - Sound system
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Test of microphone for sound system
- Calibration of microphone for sound system
- Fan self-test
- LEDs self-test

#### CLS-CLASS (257)

- DCM-RL - Door control module rear left
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Normalization of power window
- Deactivation of production mode
- Control unit reset

#### CLS-CLASS (257)

- DCM-RR - Door control module rear right
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Normalization of power window
- Deactivation of production mode
- Control unit reset

#### CLS-CLASS (257), E-CLASS (213)

- DSP/PPAMKS - Pneumatic pump for seat
- Basic function
- Data Analysis
- Actuation Test

#### CLS-CLASS (257), E-CLASS (213)

- PSD/MS - Sliding roof control
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Teach-in process of anti-pinch protection

#### CLS-CLASS (257), E-CLASS (213)

- RevETR-LF - Left front reversible emergency tensioning retractor
- Basic function
- Data Analysis
- Support function
- A76 (Left front reversible emergency tensioning retractor)

#### CLS-CLASS (257), E-CLASS (213)

- RevETR-RF - Right front reversible emergency tensioning retractor
- Basic function
- Data Analysis
- Support function
- A76/1 (Right front reversible emergency tensioning retractor)

#### CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- AUDIO/COMAND
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Self-test
- Wiring test of radio antennas
- Determination of number of receivable radio transmitters
- Test Hard disk
- Test USB Interface
- Control unit reset
- Restore initial authorization certificate for VPN connection

#### CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- DS-LF/AMKS-LF - Dynamic/Active seat
- Basic function
- Data Analysis
- Actuation Test

#### CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- DS-RF/AMKS-RF - Dynamic/Active seat
- Basic function
- Data Analysis
- Actuation Test

#### CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- EZS/EIS - Electronic ignition lock
- Basic function
- Data Analysis
- Actuation Test

#### CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- HKS - Tailgate control
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Perform normalization of component 'N121/1 (Liftgate control control unit)'

#### CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- KG/RFL - KEYLESS GO/Radio frequency

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locking/Electric central locking

- Basic function
- Data Analysis
- Support function
- KEYLESS GO system test
- KEYLESS-GO key search

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- MTAS - Mobile phone cradle
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Self-test
- Control unit reset

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- NBR-LF - Left front range radar
- Basic function
- Data Analysis
- Support function
- Resetting of learned values of component 'B92/2 (Outer left front bumper radar sensor)'

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- NBR-LR/IRS-HLA - Left rear range radar
- Basic function
- Data Analysis
- Support function
- Resetting of learned values of component 'B92/10 (Left outer rear bumper radar sensor)'

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- NBR-RF - Right front range radar
- Basic function
- Data Analysis
- Support function
- Resetting of learned values of component 'B92/5 (Outer right front bumper radar sensor)'

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- NBR-RR/IRS-HRA - Right rear range radar
- Basic function
- Data Analysis
- Support function
- Resetting of learned values of component 'B92/7 (Right outer rear bumper radar sensor)'

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- RFK - Backup camera
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Calibration of reversing camera

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- SAM-F/SAM-D - Signal acquisition and actuation module front/driver side
- Basic function
- Data Analysis
- Actuation Test

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- SAM-R/BSN - Rear signal acquisition and actuation module/Battery sensor
- Basic function
- Data Analysis
- Actuation Test

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- SG-AWF - Collision prevention assist
- Basic function
- Data Analysis
- Support function
- Resetting of learned values of component 'A108 (Active Brake Assist controller unit)'
- Reset of frequency counter 'Emergency stop'

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- SOUND - Sound system
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Self-test Control unit
- Resetting the values EVC

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- TPAD - Touchpad
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Control unit reset
- Actuator control

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- TPM - Tire pressure monitor
- Basic function
- Data Analysis

CLS-CLASS (257), E-CLASS (213), E-CLASS (238)

- ZAN - Audio/COMAND display
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Control unit reset

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CLS-CLASS (257), E-CLASS (213), E-CLASS (238),  
GLC-CLASS (253)

- AIRMATIC PLUS
- Basic function
- Data Analysis

CLS-CLASS (257), E-CLASS (213), E-CLASS (238), S-  
CLASS (222)

- OCP - Overhead control panel
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Normalization of left rear power window

CLS-CLASS (257), E-CLASS (213), E-CLASS (238), S-  
CLASS (222)

- SG-LML-VL - LED matrix of left front lamp unit
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Resetting of operating hours counters of component 'E1 (Left front lamp unit)'
- Resetting the operating hours counters of component 'E1m4 (Left front lamp unit fan motor 1)'

CLS-CLASS (257), E-CLASS (213), E-CLASS (238), S-  
CLASS (222)

- SG-LML-VR - LED matrix of right front lamp unit
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Resetting of operating hours counters of component 'E2 (Right front lamp unit)'
- Resetting the operating hours counters of component 'E2m4 (Right front lamp unit fan motor 1)'

CLS-CLASS (257), E-CLASS (213), E-CLASS (238),  
Sprinter (907)

- SCM [MRM] - Steering column module
- Basic function
- Data Analysis
- Actuation Test

CLS-CLASS (257), E-CLASS (238)

- 48V - Starter-alternator
- Basic function
- Data Analysis
- Support function
- Teach in component 'N129 (Starter-alternator control unit)'

CLS-CLASS (257), E-CLASS (238)

- ESA Driver - Electric seat adjustment Driver

- Basic function
- Data Analysis
- Actuation Test

CLS-CLASS (257), E-CLASS (238)

- ESA Front passenger - Electric seat adjustment Front passenger
- Basic function
- Data Analysis
- Actuation Test

CLS-CLASS (257), E-CLASS (238)

- ME/CDI/CNG - Engine control unit
- Basic function
- Actuation Test
- Support function
- Injector injection quantity adjustment
- Activation of fuel pump
- Teach in of throttle valve stop
- Perform teach-in process 'Sensor rotor adaptation' at vehicle standstill
- Perform teach-in process 'Sensor rotor adaptation' during driving operation
- Teach in process after replacement of the combustion engine
- Teach-in of used fuel injectors
- Resetting of values for sensor rotor adaptation
- Reset of mixture adaptation values
- Resetting the event memory for loss of synchronization between crankshaft and camshaft
- Enabling of engine start after crash event

CLS-CLASS (257), E-CLASS (238)

- SG-DDW - DC/DC converter control unit
- Basic function
- Data Analysis

CLS-CLASS (257), E-CLASS (238)

- SG-MSND - Engine sound
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Self-test

CLS-CLASS (257), E-CLASS (238), Sprinter (907)

- DCM-FL - Door control module front left
- Basic function
- Data Analysis
- Actuation Test
- Support function
- Normalization of power window
- Deactivation of production mode
- Control unit reset

**CLS-CLASS (257), E-CLASS (238), Sprinter (907)**

- DCM-FR - Door control module front right

- Basic function
- Data Analysis
- Actuation Test
- Support function
- Normalization of power window
- Deactivation of production mode
- Control unit reset

**CLS-CLASS (257), S-CLASS (222)**

- MTAS - Mobile phone cradle

- Basic function
- Data Analysis
- Actuation Test
- Support function
- Self-test
- Control unit reset

**E-CLASS (213), E-CLASS (238)**

- DCM-FL - Door control module front left

- Basic function
- Data Analysis
- Actuation Test
- Support function
- Normalization of power window
- Deactivation of production mode
- Control unit reset

**E-CLASS (213), E-CLASS (238)**

- DCM-FR - Door control module front right

- Basic function
- Data Analysis
- Actuation Test
- Support function
- Normalization of power window
- Deactivation of production mode
- Control unit reset

**E-CLASS (238)**

- OCP - Overhead control panel

- Basic function
- Data Analysis

**E-CLASS (238)**

- RVC/VDS - Convertible roof control

- Basic function
- Data Analysis
- Actuation Test
- Support function
- Normalization of left rear power window
- Normalization of right rear power window

**G-CLASS (463 - 16P Connector), Sprinter (906), Sprinter (907), V-CLASS (639)**

- Headlamp/Headlamp-L - Headlamp control unit

- Support function
- Calibrate control unit LWR

**S-CLASS (221)**

- BNS/BMS - Battery sensor

- Basic function
- Actuation Test
- Support function
- Measurement of insulation resistance with open contactors
- Measurement of insulation resistance with closed contactors
- Control module reset

**S-CLASS (221)**

- HSG - Hybrid control unit

- Support function
- Control module reset
- Test procedure for voltage comparison

**S-CLASS (221)**

- SG-DDW - DC/DC converter control unit

- Support function
- Check resistance of ground line

**SLS-CLASS (197)**

- BMS-H - Battery management system/ rear (slave)

- Basic function
- Actuation Test
- Support function
- Operating time of component 'M75/7 (Rear high-voltage battery coolant pump)'
- Unlock high-voltage component lock

**SLS-CLASS (197)**

- BMS-M - Battery management system/ center (master)

- Basic function
- Actuation Test
- Support function
- Operating time of component 'M75/6 (Center high-voltage battery coolant pump)'
- Measurements before replacement of components : Writing the offset value : Kilometer reading
- After replacement of component 'High-voltage battery' : Writing the offset value : Kilometer reading
- Unlock high-voltage component lock

**SLS-CLASS (197)**

- BMS-V - Battery management system/ front (slave)

- Basic function
- Actuation Test
- Support function
- Operating time of component 'M75/5 (Front high-voltage battery coolant pump)'

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Unlock high-voltage component lock

**SLS-CLASS (197)**

- ELM-HL - Rear left electrical machine

Basic function

Actuation Test

Support function

Perform current adjustment

L20/6 (Left rear electrical machine rotor position sensor)

Reset of 'Sensor 'Voltage of high-voltage on-board electrical system" component

Check contact of component 'Rear right electrical machine'

Reset of frequency counter 'Emergency shutoff of component 'N129/6 (Left rear electrical machine control unit)''

Resetting of frequency counter 'Emergency shutoff due to implausible torque request'

Perform control unit reset

**SLS-CLASS (197)**

- ELM-HR - Rear right electrical machine

Basic function

Actuation Test

Support function

Perform current adjustment

L20/7 (Right rear electrical machine rotor position sensor)

Reset of 'Sensor 'Voltage of high-voltage on-board electrical system" component

Check contact of component 'Right rear electrical machine'

Reset of frequency counter 'Emergency shutoff of component 'N129/7 (Right rear electrical machine control unit)''

Resetting of frequency counter 'Emergency shutoff due to implausible torque request'

Perform control unit reset

FBS3-teach-in processes

**SLS-CLASS (197)**

- ELM-VL - Front left electrical machine

Basic function

Actuation Test

Support function

Perform current adjustment

L20/4 (Left front electrical machine rotor position sensor)

Reset of 'Sensor 'Voltage of high-voltage on-board electrical system" component

Check contact of component 'Front left electrical machine'

Reset of frequency counter 'Emergency shutoff of component 'N129/4 (Left front electrical machine control

unit)''

Resetting of frequency counter 'Emergency shutoff due to implausible torque request'

Perform control unit reset

FBS3-teach-in processes

**SLS-CLASS (197)**

- ELM-VR - Front right electrical machine

Basic function

Actuation Test

Support function

Perform current adjustment

L20/5 (Right front electrical machine rotor position sensor)

Reset of 'Sensor 'Voltage of high-voltage on-board electrical system" component

Check contact of component 'Front right electrical machine'

Reset of frequency counter 'Emergency shutoff of component 'N129/5 (Right front electrical machine control unit)''

Resetting of frequency counter 'Emergency shutoff due to implausible torque request'

Perform control unit reset

**SLS-CLASS (197)**

- PTCU - Common powertrain controller

Basic function

Actuation Test

Sprinter (906), Sprinter (907), V-CLASS (447), V-CLASS (639), X-CLASS (470/471)

- DTTCO - Tachograph

Basic function

Data Analysis

Sprinter (906), Sprinter (907), V-CLASS (639)

- PTS - Parktronic system

Basic function

Data Analysis

Actuation Test

Support function

Read coding and change if necessary

Sprinter (906), Sprinter (907), V-CLASS (639)

- UCP - Upper control panel

Basic function

Data Analysis

Actuation Test

Sprinter (906), V-CLASS (639)

- AUDIO/COMAND

Basic function

Data Analysis

Actuation Test

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- Support function
  - Check of wake-up line to the MOST components
  - Number of receivable radio stations
  - Reception measurement : VHF
  - Reception measurement : Medium wave
  - Actuation of background illumination
  - Self-test 'Audio 20'
  - Customer-specific codings
- Sprinter (906), V-CLASS (639)
  - RD - Radio
    - Basic function
    - Data Analysis
    - Actuation Test
  - Support function
    - Radio reception measurements FM ( Very high frequency (VHF) )
    - Customer-specific settings
- Sprinter (907)
  - ABS/ESP - Electronic stability program
    - Basic function
    - Data Analysis
    - Actuation Test
  - Support function
    - Calibration Yaw rate sensor for lateral and longitudinal acceleration
    - VIN Write
    - Calibration Parking brake
    - Resetting value 'Clutch grip point'
    - Function test of component 'S9/1 (Brake light switch)
    - Activation of function 'Permanent fault memory'
- Sprinter (907)
  - AUDIO/COMAND
    - Basic function
    - Data Analysis
    - Actuation Test
- Sprinter (907)
  - ES - Electrical power steering
    - Basic function
    - Data Analysis
  - Support function
    - Calibration Function 'Steering angle'
- Sprinter (907)
  - EST-L - Left electric sliding door
    - Basic function
    - Data Analysis
    - Actuation Test
  - Support function
    - Perform normalization of component 'Left electric sliding door'
    - Driving cycle counter Sliding carriage with
- toothed belt Reset
  - Control unit reset
- Sprinter (907)
  - EST-R - Right electric sliding door
    - Basic function
    - Data Analysis
    - Actuation Test
  - Support function
    - Perform normalization of component 'Right electric sliding door'
    - Driving cycle counter Sliding carriage with
  - toothed belt Reset
    - Control unit reset
- Sprinter (907)
  - IC - Instrument cluster
    - Basic function
    - Data Analysis
    - Actuation Test
- Sprinter (907)
  - ME/CDI/CNG - Engine control unit
    - Basic function
    - Data Analysis
    - Actuation Test
  - Support function
    - Regeneration of the diesel particulate filter while driving
    - Teach-in of diesel particulate filter after replacement of control unit 'CDI'
    - Teach in diesel particulate filter again
    - Injector injection quantity adjustment
    - Throttle valve
    - Intake port shutoff
    - Oxygen sensor
    - Boost pressure positioner
    - Diesel particulate filter/Oxidation catalytic converter (NEW)
    - Diesel particulate filter/Oxidation catalytic converter (USED)
    - SCR catalytic converter
    - NOx sensors
    - Temperature sensor SCR catalytic converter
    - AdBlue metering valve
    - Hot film mass air flow sensor
    - Reset of lambda values
    - Activate fuel pump
    - Quick teach-in of the zero quantity calibration values while driving
- Sprinter (907)
  - PSM - Parameterizable special module
    - Basic function
    - Data Analysis

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- Actuation Test
- Support function
- Control unit reset
- Sprinter (907)
  - UCP - Upper control panel
  - Basic function
  - Data Analysis
- Sprinter (907), X-CLASS (470/471)
  - PTCU - Common powertrain controller
  - Basic function
  - Data Analysis
  - Actuation Test
- V-CLASS (447)
  - AAC - Automatic air conditioning
  - Support function
  - Normalization of actuator motors
  - Teach-in of actuator motors
- V-CLASS (447)
  - ATA - ATA [EDW]/tow-away/interior protection
  - Basic function
  - Data Analysis
  - Actuation Test
- V-CLASS (447)
  - DCM-FL - Door control module front left
  - Basic function
  - Data Analysis
  - Actuation Test
  - Support function
  - Normalization of power window
- V-CLASS (447)
  - DCM-FR - Door control module front right
  - Basic function
  - Data Analysis
  - Actuation Test
  - Support function
  - Normalization of power window
- V-CLASS (447)
  - EFB - Electric parking brake
  - Basic function
  - Data Analysis
- V-CLASS (447)
  - ESA Driver - Electric seat adjustment Driver
  - Basic function
  - Data Analysis
  - Actuation Test
  - Support function
  - Normalization
- V-CLASS (447)
  - ESA Front passenger - Electric seat adjustment Front passenger
  - Basic function
  - Data Analysis
  - Actuation Test
  - Support function
  - Normalization
- V-CLASS (447)
  - EST-L - Left electric sliding door
  - Basic function
  - Data Analysis
  - Actuation Test
  - Support function
  - Control unit reset
  - Denormalization
  - Production mode Activation / Deactivation Settings Authorization status Opening signal Sliding door control unit
  - Normalization
- V-CLASS (447)
  - EST-R - Right electric sliding door
  - Basic function
  - Data Analysis
  - Actuation Test
  - Support function
  - Control unit reset
  - Denormalization
  - Production mode Activation / Deactivation Settings Authorization status Opening signal Sliding door control unit
  - Normalization
- V-CLASS (447)
  - EZS/EIS - Electronic ignition lock
  - Basic function
  - Data Analysis
- V-CLASS (447)
  - HMI GW - User interface CAN bus
  - Basic function
  - Data Analysis
- V-CLASS (447)
  - IC - Instrument cluster
  - Basic function
  - Data Analysis
- V-CLASS (447)
  - KAB - Camera cover
  - Basic function
  - Data Analysis

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- Actuation Test  
Support function  
Self-test of control unit 'N144'
- V-CLASS (447)  
- PSD/MSC - Sliding roof control  
Basic function  
Data Analysis  
Actuation Test
- V-CLASS (447)  
- PTCU - Common powertrain controller  
Basic function  
Data Analysis  
Actuation Test  
Support function  
Actuation of component 'Vacuum pump'  
Start enable status of component 'Drivetrain control unit'  
Electrical contacting of coolant pumps via LIN bus  
Electrical contacting of fans  
Electrical contacting of relays  
Electrical contacting of coolant pumps  
Electrical contacting of valves
- V-CLASS (447)  
- RevETR-LF - Left front reversible emergency tensioning retractor  
Basic function  
Data Analysis  
Actuation Test
- V-CLASS (447)  
- RevETR-RF - Right front reversible emergency tensioning retractor  
Basic function  
Data Analysis  
Actuation Test
- V-CLASS (447)  
- SAM-F/SAM-D - Signal acquisition and actuation module front/driver side  
Basic function  
Data Analysis  
Actuation Test  
Support function  
Control unit reset
- V-CLASS (447)  
- SIH/SIB-LR 1 - Seat climate control for rear seat in first seat row on left  
Basic function  
Data Analysis  
Actuation Test
- V-CLASS (447)  
- SIH/SIB-LR 2 - Seat climate control for rear seat in second seat row on left  
Basic function  
Data Analysis  
Actuation Test
- V-CLASS (447)  
- SIH/SIB-RR 1 - Seat climate control for rear seat in first seat row on right  
Basic function  
Data Analysis  
Actuation Test
- V-CLASS (447)  
- SIH/SIB-RR 2 - Seat climate control for rear seat in second seat row on right  
Basic function  
Data Analysis  
Actuation Test
- V-CLASS (447), X-CLASS (470/471)  
- DTCO - Tachograph  
Basic function  
Data Analysis
- V-CLASS (639)  
- AAC - Automatic air conditioning  
Basic function  
Actuation Test  
Support function  
Control module reset
- V-CLASS (639)  
- AB - Airbag  
Basic function  
Data Analysis
- V-CLASS (639)  
- ABS/ESP - Electronic stability program  
Basic function  
Actuation Test  
Support function  
Road test  
ABS solenoid valve with roller dynamometer  
ABS solenoid valve without roller dynamometer  
ASR operational check
- V-CLASS (639)  
- DCM-FL - Door control module front left  
Basic function  
Data Analysis  
Actuation Test  
Support function  
Denormalize power windows  
Parameterization of N69/1 (Left front door control unit (DCM-LF [TSG-VL])) Power window

V-CLASS (639)	Basic function
- DCM-FR - Door control module front right	Data Analysis
Basic function	Actuation Test
Data Analysis	X-CLASS (470/471)
Actuation Test	- AB - Airbag
Support function	Basic function
Denormalize power windows	Data Analysis
Parameterization of N69/2 (Right front door control unit (DCM-RF [TSG-VR])) Power window	X-CLASS (470/471)
	- ABS/ESP - Electronic stability program
V-CLASS (639)	Basic function
- ELC - Level control	Data Analysis
Basic function	Actuation Test
Actuation Test	X-CLASS (470/471)
V-CLASS (639)	- BNS/BMS - Battery sensor
- EZS/EIS - Electronic ignition lock	Basic function
Support function	Data Analysis
Options central locking	Actuation Test
V-CLASS (639)	X-CLASS (470/471)
- IC - Instrument cluster	- DTCO - Tachograph
Basic function	Basic function
Actuation Test	Data Analysis
V-CLASS (639)	X-CLASS (470/471)
- PTC - PTC heater booster	- ETC - Electronic transmission control
Basic function	Basic function
Data Analysis	Data Analysis
Support function	X-CLASS (470/471)
Carry out control unit reset	- Fuse and relay module - Fuse and relay modules
V-CLASS (639)	Basic function
- SAM-F/SAM-D - Signal acquisition and actuation module front/driver side	Data Analysis
Basic function	Actuation Test
Actuation Test	X-CLASS (470/471)
V-CLASS (639)	- HAQ - Interwheel differential lock at rear axle
- UCP - Upper control panel	Basic function
Basic function	Data Analysis
Actuation Test	X-CLASS (470/471)
X-CLASS (470/471)	- HMI GW - User interface CAN bus
- 360° - Camera	Basic function
Basic function	Data Analysis
Data Analysis	Actuation Test
Actuation Test	X-CLASS (470/471)
Support function	- IC - Instrument cluster
Calibration of camera	Basic function
Straight-ahead position of steering wheel	Data Analysis
X-CLASS (470/471)	Actuation Test
- AAC - Automatic air conditioning	X-CLASS (470/471)
	- ME/CDI/CNG - Engine control unit

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Basic function  
Data Analysis  
Actuation Test

X-CLASS (470/471)  
- MFK - Multifunction camera  
Basic function  
Data Analysis

X-CLASS (470/471)  
- PTS - Parktronic system  
Basic function  
Data Analysis

X-CLASS (470/471)  
- RFK - Backup camera  
Basic function  
Data Analysis  
Actuation Test

X-CLASS (470/471)  
- SAM-F/SAM-D - Signal acquisition and actuation module front/driver side  
Basic function  
Data Analysis  
Actuation Test

X-CLASS (470/471)  
- SG-AWF - Collision prevention assist  
Basic function  
Data Analysis

X-CLASS (470/471)  
- SG-FAS - Driver assistance system  
Basic function  
Data Analysis  
Actuation Test

X-CLASS (470/471)  
- TPM - Tire pressure monitor  
Basic function  
Data Analysis

X-CLASS (470/471)  
- VG - Transfer case  
Basic function  
Data Analysis

### Bug fixed

- ABS/ESP - Electronic stability program
- ACS - Automatic clutch system
- DAB/SDAR - Digital/Satellite radio
- DCM-FL - Door control module front left
- DCM-FR - Door control module front right
- ETC - Electronic transmission control

- FSCU/FSCU-L - Control unit Fuel pump
- IC - Instrument cluster
- ME/CDI/CNG - Engine control unit
- MFK - Multifunction camera
- PSM - Parameterizable special module
- PTCU - Common powertrain controller
- RVC/VDS - Convertible roof control
- SCM [MRM] - Steering column module
- SG-EM - Power electronics
- Suspension
- TPAD - Touchpad

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## FIAT / ALFA ROMEO / LANCIA

### FIAT

- New system added  
Engine control module
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display
  - Support function  
Self learned functions reset  
Oil change  
Differential pressure sensor replacement  
Rail pressure sensor replacement  
Clutch pedal learning  
EGR high pressure valve replacement  
EGR Low pressure valve replacement  
Air flow meter sensor replacement  
Replacement of Lambda sensor  
NOx replacement  
Particle filter replacement (only for version with DPF)  
Particle filter regeneration (only for version with DPF)  
Replacement of control unit and injectors  
Injector programming

### Bosch ABS 8 ESP

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display
- Support function  
Longitudinal and lateral sensor calibration  
Longitudinal and lateral sensor de-calibration  
Steering angle sensor calibration

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<p>Engine control module</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function               <ul style="list-style-type: none"> <li>Self-adaptive parameter reset</li> <li>Self-learned function reset</li> <li>Deactivation of power limitation</li> <li>Supercharging system components replacement</li> <li>Motorised throttle replacement</li> <li>Timing sensor/cam replacement</li> <li>Intake manifold replacement</li> <li>Lambda sensor/catalytic convertor replacement</li> <li>Clutch group/Clutch potentiometer replacement</li> <li>Neutral signal learning</li> <li>RPM sensor/Timing chain replacement</li> <li>Phonic wheel replacement</li> </ul> </li> </ul>	<p>Neutral signal learn</p> <p>Performance limiting de-activation Self-learning</p>
<p>AISIN YLII 5 Automatic Gearbox</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function               <ul style="list-style-type: none"> <li>Self-learning</li> </ul> </li> </ul>	<p>Magneti Marelli IAW 8GSW CF6/EOBD Injection (0.9)</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function               <ul style="list-style-type: none"> <li>Reset self-learned functions</li> <li>Self-adaptation parameters reset</li> <li>Oil change</li> <li>Phonic wheel learn reset</li> <li>Throttle position learning</li> <li>Replacement of UniAir module</li> <li>Replacement of timing sensor or cam</li> <li>Replacement of RPM sensor or distribution belt</li> <li>Replacement of oil temperature sensor</li> <li>Replacement of intelligent alternator (IAM)</li> <li>Clutch pedal learning</li> <li>Neutral signal learn</li> <li>Performance limiting deactivation</li> </ul> </li> </ul>
<p>Delphi climate control</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> </ul>	<p>Bosch EDC17C49 CF5+/EOBD Diesel Injection (1.6, 2.0)</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function               <ul style="list-style-type: none"> <li>Oil change (only for version with DPF)</li> <li>Reset self-learned functions</li> <li>Particle filter replacement (only for version with DPF)</li> <li>Particle filter regeneration</li> <li>Replacement of control unit and injectors</li> <li>Rail pressure sensor replacement</li> <li>Differential pressure sensor replacement (only for version with DPF)</li> <li>Replacement of Lambda sensor</li> <li>Air flow meter sensor replacement</li> <li>EGR valve replacement</li> <li>Glow plug preheating circuit test</li> <li>Clutch pedal learning</li> <li>Neutral signal learn</li> <li>Speed limit</li> <li>Injector programming</li> </ul> </li> </ul>
<p>Magneti Marelli IAW 8GMK CF6/EOBD Injection (1.4)</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function               <ul style="list-style-type: none"> <li>Self-adaptation parameters reset</li> <li>Oil change</li> <li>Phonic wheel learn reset</li> <li>Throttle position learning</li> <li>Replacement of UniAir module</li> <li>Replacement of timing sensor or cam</li> <li>Replacement of RPM sensor or distribution belt</li> <li>Replacement of oil temperature sensor</li> <li>Replacement of intelligent alternator (IAM)</li> <li>Over boost counter reset</li> <li>Clutch pedal learning</li> </ul> </li> </ul>	<p>Denso climate control</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function</li> </ul>

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- Flap actuators learning
- Denso climate control
- Basic function
  - DTC Analysis
  - ECU Information Display
- Body Computer Marelli (843FL) MY06
- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Boot G.E. PROCOND
- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Parking Control VALEO (2)
- Basic function
  - DTC Analysis
  - Data Analysis
  - ECU Information Display
  - Support function
  - Tow hook
- Marelli 8DF3
- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
  - Support function
  - Replacing the Pre-Catalyst
  - Particle filter replacement
  - SIC (Single injection control) - ECU exchange, all injectors, rail sensor
  - SIC (Single injection control) - Single injector changeover
  - MAC (Multi-injection injection) - ECU exchange, all injectors, rail sensor
  - MAC (Multiple injection control) - Single injector changeover
  - Alignment of DPF pressure sensor
  - DPF Forced Regeneration
  - Injection Data Reset (ECM)
  - Replacing the phonic wheel
  - Reset data
  - Air flow Bypass Compensation
  - Reset oil condition indicator function
  - Reset self-learnt functions
  - Injector programming
- Bosch ABS 8 ASR
- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
  - Support function
  - Steering angle calibration
  - Longitudinal acceleration sensor calibration
- Boot/Rear Doors G.E. PROCOND
- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Driver's Door G.E. PROCOND
- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Passenger's Door G.E. PROCOND
- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Bosch EDC17CP52 CF5/EOBD Diesel Injection (3.0)
- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
  - Support function
  - Oil change (only for version with DPF)
  - Reset self-learnt functions
  - Particle filter replacement (only for version with DPF)
  - Particle filter regeneration
  - Replacement of control unit and injectors
  - Rail pressure sensor replacement
  - Pre-catalyser replacement (only for version with DPF)
  - Differential pressure sensor replacement (only for version with DPF)
  - Injector programming
  - Speed limit
- Bosch Motronic Me7.9.10 SDU CF5/EOBD Injection (1.4 16V LPG)
- Basic function

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- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display
- Support function
  - Reset self-learnt functions
  - Self-adaptation parameters reset
  - Knock counter reset
  - Overboost counter reset

- Lock Door Command
- Unlock Doors Command
- Exit Shipping Mode

- Instrument panel
  - Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information Display
  - Support function
    - Oil Service Reset
    - IPC Proxi Alignment

**Engine control module**

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Self learned functions reset
  - Oil change
  - Differential pressure sensor replacement
  - Rail pressure sensor replacement
  - Clutch pedal learning
  - EGR high pressure valve replacement
  - EGR Low pressure valve replacement
  - Air flow meter sensor replacement
  - Replacement of Lambda sensor
  - NOx replacement
  - Particle filter replacement (only for version with DPF)
  - Particle filter regeneration (only for version with DPF)
  - Replacement of control unit and injectors
  - Injector programming

- Air bag
  - Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information Display
  - Support function
    - ORC (Airbag) Proxi Alignment

- Power Steering
  - Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information Display
  - Support function
    - EPS Proxi Alignment
    - Steering Angle Calibration

**ABS**

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Static Test
  - Reset lateral and longitudinal acceleration sensor calibration
  - Lateral and longitudinal acceleration sensor calibration
  - Steering angle calibration
  - TPMS Calibration

**Climate**

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display

**Transmission**

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - TCM VIN Verification
  - Reset Adaptive Values
  - Valve Body Solenoid Learn
  - Quick Learn

**BODY**

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function

**Bug fixed**

- DTC Item added
- Communication Stabilized

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## ALFA ROMEO

New system added

Engine control module

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Self learned functions reset
  - Oil change
  - Differential pressure sensor replacement
  - Rail pressure sensor replacement
  - Clutch pedal learning
  - EGR high pressure valve replacement
  - EGR Low pressure valve replacement
  - Air flow meter sensor replacement
  - Replacement of Lambda sensor
  - NOx replacement
  - Particle filter replacement (only for version with DPF)
  - Particle filter regeneration (only for version with DPF)
  - Replacement of control unit and injectors
  - Injector programming

Bosch ABS 8 ESP

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Longitudinal and lateral sensor calibration
  - Longitudinal and lateral sensor de-calibration
  - Steering angle sensor calibration

Engine control module

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Self-adaptive parameter reset
  - Self-learned function reset
  - Deactivation of power limitation
  - Supercharging system components replacement
  - Motorised throttle replacement
  - Timing sensor/cam replacement
  - Intake manifold replacement
  - Lambda sensor/catalytic convertor replacement

- Clutch group/Clutch potentiometer replacement
- Neutral signal learning
- RPM sensor/Timing chain replacement
- Phonic wheel replacement

AISIN YLII 5 Automatic Gearbox

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Self-learning

Delphi climate control

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display

Magneti Marelli IAW 8GMK CF6/EOBD Injection (1.4)

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Self-adaptation parameters reset
  - Oil change
  - Phonic wheel learn reset
  - Throttle position learning
  - Replacement of UniAir module
  - Replacement of timing sensor or cam
  - Replacement of RPM sensor or distribution belt
  - Replacement of oil temperature sensor
  - Replacement of intelligent alternator (IAM)
  - Over boost counter reset
  - Clutch pedal learning
  - Neutral signal learn
  - Performance limiting de-activation Self-learning

Magneti Marelli IAW 8GSW CF6/EOBD Injection (0.9)

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Reset self-learned functions
  - Self-adaptation parameters reset
  - Oil change
  - Phonic wheel learn reset
  - Throttle position learning
  - Replacement of UniAir module

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- Replacement of timing sensor or cam
  - Replacement of RPM sensor or distribution belt
  - Replacement of oil temperature sensor
  - Replacement of intelligent alternator (IAM)
  - Clutch pedal learning
  - Neutral signal learn
  - Performance limiting deactivation
- Bosch EDC17C49 CF5+/EOBD Diesel Injection (1.6, 2.0)**
- Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information Display
  - Support function
    - Oil change (only for version with DPF)
    - Reset self-learnt functions
    - Particle filter replacement (only for version with DPF)
    - Particle filter regeneration
    - Replacement of control unit and injectors
    - Rail pressure sensor replacement
    - Differential pressure sensor replacement (only for version with DPF)
    - Replacement of Lambda sensor
    - Air flow meter sensor replacement
    - EGR valve replacement
    - Glow plug preheating circuit test
    - Clutch pedal learning
    - Neutral signal learn
    - Speed limit
    - Injector programming
- Denso climate control**
- Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information Display
  - Support function
    - Flap actuators learning
- Denso climate control**
- Basic function
    - DTC Analysis
    - ECU Information Display
- Body Computer Marelli (843FL) MY06**
- Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information Display
- Boot G.E. PROCOND**
- Basic function
    - DTC Analysis
- Data Analysis
  - Actuation Test
  - ECU Information Display
- Data Analysis
  - Actuation Test
  - ECU Information Display
- Data Analysis**
- Actuation Test**
- ECU Information Display**
- Parking Control VALEO (2)**
- Basic function
    - DTC Analysis
    - Data Analysis
    - ECU Information Display
  - Support function
    - Tow hook
- Marelli 8DF3**
- Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information Display
  - Support function
    - Replacing the Pre-Catalyst
    - Particle filter replacement
    - SIC (Single injection control) - ECU exchange, all injectors, rail sensor
    - SIC (Single injection control) - Single injector changeover
    - MAC (Multi-injection injection) - ECU exchange, all injectors, rail sensor
    - MAC (Multiple injection control) - Single injector changeover
    - Alignment of DPF pressure sensor
    - DPF Forced Regeneration
    - Injection Data Reset (ECM)
    - Replacing the phonic wheel
    - Reset data
    - Air flow Bypass Compensation
    - Reset oil condition indicator function
    - Reset self-learnt functions
    - Injector programming
- Bosch ABS 8 ASR**
- Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information Display
  - Support function
    - Steering angle calibration
    - Longitudinal acceleration sensor calibration
- Boot/Rear Doors G.E. PROCOND**
- Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information Display

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## Driver's Door G.E. PROCOND

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display

## Passenger's Door G.E. PROCOND

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display

## Bosch EDC17CP52 CF5/EOBD Diesel Injection (3.0)

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Oil change (only for version with DPF)
  - Reset self-learnt functions
  - Particle filter replacement (only for version with DPF)
  - Particle filter regeneration
  - Replacement of control unit and injectors
  - Rail pressure sensor replacement
  - Pre-catalyser replacement (only for version with DPF)
  - Differential pressure sensor replacement (only for version with DPF)
  - Injector programming
  - Speed limit

## Bosch Motronic Me7.9.10 SDU CF5/EOBD Injection (1.4 16V LPG)

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Reset self-learnt functions
  - Self-adaptation parameters reset
  - Knock counter reset
  - Overboost counter reset

## Engine control module

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function

## Self learned functions reset

- Oil change
- Differential pressure sensor replacement
- Rail pressure sensor replacement
- Clutch pedal learning
- EGR high pressure valve replacement
- EGR Low pressure valve replacement
- Air flow meter sensor replacement
- Replacement of Lambda sensor
- NOx replacement
- Particle filter replacement (only for version with DPF)
- Particle filter regeneration (only for version with DPF)
- Replacement of control unit and injectors
- Injector programming

## ABS

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Static Test
  - Reset lateral and longitudinal acceleration sensor calibration
  - Lateral and longitudinal acceleration sensor calibration
  - Steering angle calibration
  - TPMS Calibration

## BODY

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Lock Door Command
  - Unlock Doors Command
  - Exit Shipping Mode

## Instrument panel

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Oil Service Reset
  - IPC Proxi Alignment

## Air bag

- Basic function
  - DTC Analysis

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Data Analysis  
Actuation Test  
ECU Information Display  
- Support function  
ORC (Airbag) Proxi Alignment

Power Steering  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display  
- Support function  
EPS Proxi Alignment  
Steering Angle Calibration

Climate  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display

Transmission  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display  
- Support function  
TCM VIN Verification  
Reset Adaptive Values  
Valve Body Solenoid Learn  
Quick Learn

## Bug fixed

Communication stabilized  
DTC Item added

## LANCIA

New system added

Engine control module  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display  
- Support function  
Self learned functions reset  
Oil change  
Differential pressure sensor replacement  
Rail pressure sensor replacement  
Clutch pedal learning

EGR high pressure valve replacement  
EGR Low pressure valve replacement  
Air flow meter sensor replacement  
Replacement of Lambda sensor  
NOx replacement  
Particle filter replacement (only for version with DPF)  
Particle filter regeneration (only for version with DPF)  
Replacement of control unit and injectors  
Injector programming

Bosch ABS 8 ESP  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display  
- Support function  
Longitudinal and lateral sensor calibration  
Longitudinal and lateral sensor de-calibration  
Steering angle sensor calibration

Engine control module  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display  
- Support function  
Self-adaptive parameter reset  
Self-learned function reset  
Deactivation of power limitation  
Supercharging system components replacement  
Motorised throttle replacement  
Timing sensor/cam replacement  
Intake manifold replacement  
Lambda sensor/catalytic convertor replacement  
Clutch group/Clutch potentiometer replacement  
Neutral signal learning  
RPM sensor/Timing chain replacement  
Phonic wheel replacement

AISIN YLII 5 Automatic Gearbox  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display  
- Support function  
Self-learning

Delphi climate control  
- Basic function  
DTC Analysis  
Data Analysis

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- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> <p>Magneti Marelli IAW 8GMK CF6/EOBD Injection (1.4)</p> <ul style="list-style-type: none"> <li>- Basic function           <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function           <ul style="list-style-type: none"> <li>Self-adaptation parameters reset</li> <li>Oil change</li> <li>Phonic wheel learn reset</li> <li>Throttle position learning</li> <li>Replacement of UniAir module</li> <li>Replacement of timing sensor or cam</li> <li>Replacement of RPM sensor or distribution belt</li> <li>Replacement of oil temperature sensor</li> <li>Replacement of intelligent alternator (IAM)</li> <li>Over boost counter reset</li> <li>Clutch pedal learning</li> <li>Neutral signal learn</li> <li>Performance limiting de-activation Self-learning</li> </ul> </li> </ul> <p>Magneti Marelli IAW 8GSW CF6/EOBD Injection (0.9)</p> <ul style="list-style-type: none"> <li>- Basic function           <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function           <ul style="list-style-type: none"> <li>Reset self-learnt functions</li> <li>Self-adaptation parameters reset</li> <li>Oil change</li> <li>Phonic wheel learn reset</li> <li>Throttle position learning</li> <li>Replacement of UniAir module</li> <li>Replacement of timing sensor or cam</li> <li>Replacement of RPM sensor or distribution belt</li> <li>Replacement of oil temperature sensor</li> <li>Replacement of intelligent alternator (IAM)</li> <li>Clutch pedal learning</li> <li>Neutral signal learn</li> <li>Performance limiting deactivation</li> </ul> </li> </ul> <p>Bosch EDC17C49 CF5+/EOBD Diesel Injection (1.6, 2.0)</p> <ul style="list-style-type: none"> <li>- Basic function           <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function           <ul style="list-style-type: none"> <li>Oil change (only for version with DPF)</li> <li>Reset self-learnt functions</li> <li>Particle filter replacement (only for version with DPF)</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Particle filter regeneration</li> <li>Replacement of control unit and injectors</li> <li>Rail pressure sensor replacement</li> <li>Differential pressure sensor replacement (only for version with DPF)</li> <li>Replacement of Lambda sensor</li> <li>Air flow meter sensor replacement</li> <li>EGR valve replacement</li> <li>Glow plug preheating circuit test</li> <li>Clutch pedal learning</li> <li>Neutral signal learn</li> <li>Speed limit</li> <li>Injector programming</li> </ul> <p>Denso climate control</p> <ul style="list-style-type: none"> <li>- Basic function           <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function           <ul style="list-style-type: none"> <li>Flap actuators learning</li> </ul> </li> </ul> <p>Denso climate control</p> <ul style="list-style-type: none"> <li>- Basic function           <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Information Display</li> </ul> </li> </ul> <p>Body Computer Marelli (843FL) MY06</p> <ul style="list-style-type: none"> <li>- Basic function           <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> </ul> <p>Boot G.E. PROCOND</p> <ul style="list-style-type: none"> <li>- Basic function           <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> </ul> <p>Parking Control VALEO (2)</p> <ul style="list-style-type: none"> <li>- Basic function           <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>ECU Information Display</li> </ul> </li> <li>- Support function           <ul style="list-style-type: none"> <li>Tow hook</li> </ul> </li> </ul> <p>Marelli 8DF3</p> <ul style="list-style-type: none"> <li>- Basic function           <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information Display</li> </ul> </li> </ul> |
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- Support function

- Replacing the Pre-Catalyst
- Particle filter replacement
- SIC (Single injection control) - ECU exchange, all injectors, rail sensor
- SIC (Single injection control) - Single injector changeover
- MAC (Multi-injection injection) - ECU exchange, all injectors, rail sensor
- MAC (Multiple injection control) - Single injector changeover
- Alignment of DPF pressure sensor
- DPF Forced Regeneration
- Injection Data Reset (ECM)
- Replacing the phonic wheel
- Reset data
- Air flow Bypass Compensation
- Reset oil condition indicator function
- Reset self-learnt functions
- Injector programming

**Bosch ABS 8 ASR**

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Steering angle calibration
  - Longitudinal acceleration sensor calibration

**Boot/Rear Doors G.E. PROCOND**

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display

**Driver's Door G.E. PROCOND**

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display

**Passenger's Door G.E. PROCOND**

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display

**Bosch EDC17CP52 CF5/EOBD Diesel Injection (3.0)**

- Basic function
  - DTC Analysis
  - Data Analysis

**Actuation Test**

ECU Information Display

- Support function

- Oil change (only for version with DPF)
- Reset self-learnt functions
- Particle filter replacement (only for version with DPF)
- Particle filter regeneration
- Replacement of control unit and injectors
- Rail pressure sensor replacement
- Pre-catalyser replacement (only for version with DPF)
- Differential pressure sensor replacement (only for version with DPF)
- Injector programming
- Speed limit

**Bosch Motronic Me7.9.10 SDU CF5/EOBD Injection (1.4 16V LPG)**

- Basic function

- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

- Support function

- Reset self-learnt functions
- Self-adaptation parameters reset
- Knock counter reset
- Overboost counter reset

**Engine control module**

- Basic function

- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

- Support function

- Self learned functions reset
- Oil change
- Differential pressure sensor replacement
- Rail pressure sensor replacement
- Clutch pedal learning
- EGR high pressure valve replacement
- EGR Low pressure valve replacement
- Air flow meter sensor replacement
- Replacement of Lambda sensor
- NOx replacement
- Particle filter replacement (only for version with DPF)
- Particle filter regeneration (only for version with DPF)
- Replacement of control unit and injectors
- Injector programming

**ABS**

- Basic function

- DTC Analysis
- Data Analysis

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- Actuation Test
- Information Display
- Support function
  - Static Test
  - Reset lateral and longitudinal acceleration sensor calibration
  - Lateral and longitudinal acceleration sensor calibration
  - Steering angle calibration
  - TPMS Calibration

## BODY

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Lock Door Command
  - Unlock Doors Command
  - Exit Shipping Mode

## Instrument panel

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - Oil Service Reset
  - IPC Proxi Alignment

## Air bag

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - ORC (Airbag) Proxi Alignment

## Power Steering

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - EPS Proxi Alignment
  - Steering Angle Calibration

## Climate

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test

## ECU Information Display

### Transmission

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information Display
- Support function
  - TCM VIN Verification
  - Reset Adaptive Values
  - Valve Body Solenoid Learn
  - Quick Learn

### Bug fixed

- Communication stabilized
- DTC Item added

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## PEUGEOT

301 (2017~ ) Vehicle Added

### Engine (V46 ASD)

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information
- Special Function
  - Initialising the auto adaptive Matching
  - Replacement of the motorised butterfly housing
  - Replacement of the accelerator pedal
  - Replacement of injectors
  - Replacement of the exhaust camshaft dephasing solenoid valve
  - Replacement of the inlet camshaft dephasing solenoid valve
  - Engine speed sensor programming procedure

### Engine (V46 HMY)

- Basic function
  - DTC Analysis
  - Data Analysis
  - Actuation Test
  - ECU Information
- Special Function
  - Initialising the auto adaptive Matching
  - Replacement of the motorised butterfly housing

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- Replacement of the accelerator pedal
- Replacement of injectors
- Replacement of the exhaust camshaft dephasing solenoid valve
- Replacement of the inlet camshaft dephasing solenoid valve
- Engine speed sensor programming procedure
- Engine (V46 HMZ)
  - Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information
  - Special Function
    - Initialising the auto adaptive Matching
    - Replacement of the motorised butterfly housing
    - Replacement of the accelerator pedal
    - Replacement of injectors
    - Replacement of the exhaust camshaft dephasing solenoid valve
    - Replacement of the inlet camshaft dephasing solenoid valve
    - Engine speed sensor programming procedure
- Engine (V46\_21 NFP)
  - Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information
  - Special Function
    - Initialising the auto adaptive
    - Motorised throttle unit
    - Injectors
    - Inlet camshaft dephaser
    - Inlet camshaft dephaser solenoid valve
    - Cylinder reference sensor
    - Accelerator pedal
- Engine (EDC17C10\_BR2)
  - Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information
  - Special Function
    - Forced Regeneration Of The Particle Filter Vehicle Stationary
    - Replacement Of The Particle Emission Filter
    - Initialisation Of The 4 Diesel Injectors
    - Replacement of 4 injectors
    - Change of EGR Valve
    - Replacement Of The EGR Exchanger
    - Change Of Air Mixer
    - Replacement Of The Turbo
- Replacement Of The Additive Reservoir Of Pump Or Pipes
- Replacement Of The High Pressure Pump Or Regulation Valve
- Replacement Of The Exhaust Manifold
- Replacement Of The Cylinder Head
- Replacement Of The Diesel High Pressure Rail
- Filling Of The Diesel Additive Tank
- Replacement Of The Oxygen Sensor
- Engine (EDC17C60)
  - Basic function
    - DTC Analysis
    - Data Analysis
    - Actuation Test
    - ECU Information
  - Special Function
    - Replacement of 4 injectors
    - Programming the air mixer stops
    - Programming the EGR valve stops
    - Programming of the stops of the turbocharger
    - Cleaning the EGR valve
    - Particle filter regeneration
    - Regeneration of the denox catalytic converter
    - Reinitialization of the denox system faults
    - Reinitialization following replacement of the urea injector
    - Forcing of the stop and start
    - Filling of the additive reservoir or pouch
    - Filling of the urea reservoir
    - Draining and filling of the urea solution reservoir
    - Replacement of the low pressure fuel pump, of the fuel filter or of the pipes
    - Replacement of the high pressure pump
    - Replacement of the EGR valve
    - Replacement of the air mixer
    - Replacement of the turbocharger
    - Replacement of the diesel additive reservoir, of the pump or of the pipes
    - Particle filter replacement
    - Replacement of the NOX sensor
    - Replacement of the precatlyser
    - Replacement of the deNOX catalytic converter
    - Replacement of the urea injector
    - Replacement of the denox system reservoir, gauge-pump module or pipes
    - Replacement of the cylinder block
    - Replacement of the engine flywheel
    - Replacement of the battery
    - Replacement of the clutch
    - Replacement of the flowmeter
- Gearbox (BVA\_AT8)
  - Basic function
    - DTC Analysis

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Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Oil wear counter  
Initialising the autoadaptives

**Gearbox (MAPS\_UDS)**

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

**Gearbox (BVA AM6\_AT6\_UDS)**

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Programming of the neutral position  
Partial realignment of the programmed values  
Full realignment of the programmed values  
Replacement of the automatic gearbox oil

**Power steering (DAE)**

- Basic function  
DTC Analysis  
Data Analysis  
ECU Information

**Built-In system interface**

- Basic function  
DTC Analysis  
ECU Information

**Parking aid**

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

**Multifunction display**

- Basic function  
DTC Analysis  
Actuation Test  
ECU Information

**Radio**

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

**Instrument panel (COMBINE\_UDS)**

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

**Switch module at the steering wheel**

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

**Air conditioning**

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

**ABS or ESP (ABS\_MK100)**

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Calibration of the steering wheel angle sensor  
Air Bleeding

**ABS or ESP (ESP\_MK100)**

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Bleeding of the hydraulic block ESP MK100

**Airbag**

- Basic function  
DTC Analysis  
Data Analysis  
ECU Information  
- Special Function  
Locking  
Unlocking

**Trailer relay unit**

- Basic function  
DTC Analysis

**Engine relay unit**

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- Basic function  
DTC Analysis

Anti-theft alarm

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

Voltage retaining device

- Basic function  
DTC Analysis  
ECU Information

Diesel additive pump

- Basic function  
DTC Analysis  
Data Analysis  
ECU Information

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## CITROEN

Xsara Vehicle Added

Engine (RFN MM4.8P)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information
- Special Function  
Initialising the auto adaptive

Engine (RFS MM4.8P)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information
- Special Function  
Initialising the auto adaptive

Engine (RFN MM4MP2)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

Engine (RFN MM6LP)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information
- Special Function  
Initialising the auto adaptive

Engine (NFU BOSCH ME7.4.4)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information
- Special Function  
Initialising the auto adaptive  
Configuration

Engine (KFW SAGEM S2000)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information
- Special Function  
Initialising the auto adaptive  
Configuration

Engine (RHY BOSCH EDC15C2)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

Engine (RHZ BOSCH EDC15C2)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

Engine (WJY LUCAS DCN2)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

Engine (RHY SIEMENS SID801)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

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<p>Engine (8HZ BOSCH EDC16C3 EURO4)</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul>
<p>Diesel additive function</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul> </li> </ul>	<p>Alarm</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul> </li> </ul>
<p>Airbag</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>ECU Information</li> </ul> </li> <li>- Special Function               <ul style="list-style-type: none"> <li>Airbag Configuration</li> <li>Airbag Lock</li> <li>Airbag Unlock</li> </ul> </li> </ul>	<p>Multifunction display</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul> </li> </ul>
<p>Gearbox</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul> </li> <li>- Special Function               <ul style="list-style-type: none"> <li>AT Initialising the autoadaptive</li> <li>Oil wear counter</li> </ul> </li> </ul>	<p>Radio</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul> </li> <li>- Special Function               <ul style="list-style-type: none"> <li>VIN code</li> <li>Radio Configuration</li> </ul> </li> </ul>
<p>Parking aid</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul> </li> </ul>	<p>CD player</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul> </li> </ul>
<p>Anti-lock brake system</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul> </li> <li>- Special Function               <ul style="list-style-type: none"> <li>TEVES MK20 Bleeding</li> <li>TEVES MK20 Simulation</li> </ul> </li> </ul>	<p>Instrument panel</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>Actuation Test</li> <li>ECU Information</li> </ul> </li> </ul>
<p>Built-in Systems interface</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> </ul> </li> </ul>	<p>Switch module under the steering wheel</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>ECU Information</li> </ul> </li> </ul>
	<p>On-board navigation system</p> <ul style="list-style-type: none"> <li>- Basic function               <ul style="list-style-type: none"> <li>DTC Analysis</li> <li>Data Analysis</li> <li>ECU Information</li> </ul> </li> </ul>
	<p>Driving school</p> <ul style="list-style-type: none"> <li>- Basic function</li> </ul>

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Data Analysis Actuation Test ECU Information	DTC Analysis ECU Information
Rain/sunlight sensor - Basic function DTC Analysis ECU Information	Windscreen wiper - Basic function DTC Analysis ECU Information
Heating / ventilation - Basic function DTC Analysis Data Analysis Actuation Test ECU Information	Parking assistance - Basic function DTC Analysis ECU Information
SPACETOURER Vehicle Added	Radio - Basic function DTC Analysis ECU Information
Engine - Basic function DTC Analysis ECU Information	Hands-free kit/portable unit - Basic function DTC Analysis ECU Information
Gearbox - Basic function DTC Analysis ECU Information	Anti theft alarm - Basic function DTC Analysis ECU Information
ABS or ESP - Basic function DTC Analysis ECU Information	Passenger door module - Basic function DTC Analysis ECU Information
Air conditioning - Basic function DTC Analysis ECU Information	Driver's door module - Basic function DTC Analysis ECU Information
Controls under the steering wheel - Basic function DTC Analysis ECU Information	Rain and light sensor - Basic function DTC Analysis ECU Information
Multiplexed control panel - Basic function DTC Analysis ECU Information	Seat belt not fastened warning lights unit - Basic function DTC Analysis ECU Information
Multifunction screen - Basic function DTC Analysis ECU Information	High head vision - Basic function DTC Analysis ECU Information
Instrument panel - Basic function	Battery change status unit - Basic function

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DTC Analysis  
ECU Information

DTC Analysis  
ECU Information

Dynamic headlamp height adjuster  
- Basic function  
DTC Analysis  
ECU Information

Lane departure warning system  
- Basic function  
DTC Analysis  
ECU Information

Control panel dot matrix display  
- Basic function  
DTC Analysis  
ECU Information

Service module  
- Basic function  
DTC Analysis  
ECU Information

Hands free control unit  
- Basic function  
DTC Analysis  
ECU Information

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Electronic key reader  
- Basic function  
DTC Analysis  
ECU Information

## VOLVO

S40 2005~2007 Engine Added

Main beams assistant ECU  
- Basic function  
DTC Analysis  
ECU Information

Engine (D4164T)  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

Diesel additive pump  
- Basic function  
DTC Analysis  
ECU Information

- Special Function  
Combustion of soot particles  
Adaptation of EGR valve  
Adaptation of control valve inlet  
Reset particle trap odometer  
Injector programming

Under inflation detection  
- Basic function  
DTC Analysis  
ECU Information

Engine (B4184S8)

Engine relay unit  
- Basic function  
DTC Analysis  
ECU Information

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Resetting adaptations

Seat driver position memory module  
- Basic function  
DTC Analysis  
ECU Information

Engine (B4184S11)

Telematic unit or audio navigation  
- Basic function  
DTC Analysis  
ECU Information

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Resetting adaptations

Electric steering lock  
- Basic function

Engine (B5244S4)  
- Basic function

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DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

Engine (B5244S5)  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Combustion of soot particles

Engine (B5244S7)  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Reset adaptation

Engine (B5254T3)  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

S60 2006~2009 engine Added

Engine (D4164T)  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Combustion of soot particles  
Adaptation of EGR valve  
Adaptation of control valve inlet  
Reset particle trap odometer  
Injector programming

Engine (B4184S8)  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Resetting adaptations

Engine (B4184S11)

- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Resetting adaptations

Engine (B5244S4)  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

Engine (B5244S5)  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Combustion of soot particles

Engine (B5244S7)  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information  
- Special Function  
Reset adaptation

Engine (B5254T3)  
- Basic function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information

## PORSCHE

MACAN Special function added  
Instrument cluster  
- Basic function  
DTC Analysis  
Data Analysis  
ECU Information  
- Special Function  
Oil service

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Main maintenance  
Control unit reset

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## GM USA

New Model & System added

**- Pontiac Passenger**

A (Product Line) 2005~2010 Add

-Powertrain

(X)2.0L L4 LNF Engine Control Module

(5)2.2L L4 LAP Engine Control Module

(5)2.2L L4 LAP Transmission Control Module

(F)2.2L L4 L61 Engine Control Module

(H)2.2L L4 LAP Engine Control Module

(H)2.2L L4 LAP Transmission Control Module

(B)2.4L L4 LE5 Engine Control Module

-Chassis

Electronic Brake Control Module

Power Steering Control Module

Electronic Brake Control Module With VSES (RPO JL4)

Electronic Brake Control Module Without VSES (RPO JL4)

-Body

Body Control Module

Digital Radio Receiver

Driver Information Center

Instrument Panel Cluster

Passenger Presence System

Personal Audio Link Module

Radio

Supplemental Inflatable Restraint

Theft Deterrent Module

E (Product Line) 2008~2009 Add

-Powertrain

(7)3.6L V6 LY7 Engine Control Module

(7)3.6L V6 LY7 Transmission Control Module

(Y)6.0L V8 L76 Engine Control Module

(Y)6.0L V8 L76 Transmission Control Module

(W)6.2L V8 LS3 Engine Control Module

(W)6.2L V8 LS3 Transmission Control Module

-Chassis

Electronic Brake Control Module

-Body

Body Control Module

Digital Radio Receiver

Driver Information Display

HVAC Control Module

Instrument Panel Cluster

Passenger Presence System

Personal Audio Link Module

Radio

Remote Control Door Lock Receiver

Supplemental Inflatable Restraint

Theft Deterrent Module

H (Product Line) (HX) Bonneville SE 2004~2005 Add

-Powertrain

Engine Control Module

Transmission Control Module

-Body

CD Changer

Climate Control Panel

Dash Integration Module

Digital Radio Receiver

Driver Door Module

Head Up Display

Instrument Panel Cluster

Instrument Panel Module

Radio

Rear Integration Module

Remote Function Actuation

Supplemental Inflatable Restraint

Vehicle Theft Deterrent

H (Product Line) (HY) Bonneville SLE 2004~2005 Add

-Powertrain

Engine Control Module

Transmission Control Module

-Body

CD Changer

Climate Control Panel

Dash Integration Module

Digital Radio Receiver

Driver Door Module

Head Up Display

Instrument Panel Cluster

Instrument Panel Module

Memory Seat Module

Radio

Rear Integration Module

Remote Function Actuation

Supplemental Inflatable Restraint

Vehicle Theft Deterrent

H (Product Line) (HZ) Bonneville GXP 2004~2005 Add

-Powertrain

Engine Control Module

Transmission Control Module

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-Chassis  
Magna Steer

-Body  
CD Changer  
Climate Control Panel  
Dash Integration Module  
Digital Radio Receiver  
Driver Door Module  
Head Up Display  
Instrument Panel Cluster  
Instrument Panel Module  
Memory Seat Module  
Radio  
Rear Integration Module  
Remote Function Actuation  
Supplemental Inflatable Restraint  
Vehicle Theft Deterrent

J (Product Line) 2004~2005 Add  
-Powertrain  
(F)2.2L L4 L61 Engine Control Module  
(F)2.2L L4 L61 Transmission Control Module

-Chassis  
ABS

-Body  
Body Control Module  
Digital Radio Receiver  
Instrument Panel Cluster  
Radio  
Supplemental Inflatable Restraint

K (Product Line) 2006~2010 Add  
-Powertrain  
(4)0.8L L3 LBF Engine Control Module  
(0)1.0L L4 L11 Engine Control Module  
Transmission Control Module

-Chassis  
Electronic Brake Control Module

-Body  
Remote Function Actuation  
Supplemental Inflatable Restraint

M (Product Line) 2004~2010 Add  
-Powertrain  
(4)0.8L L3 LBF Engine Control Module  
(0)1.0L L4 LA2 Engine Control Module  
(J)1.0L L4 LA2 Engine Control Module  
(X)2.0L L4 LNF Engine Control Module  
(B)2.4L L4 LE5 Engine Control Module

-Chassis  
ABS  
Electronic Brake Control Module  
(X)2.0L L4 LNF EBCM  
(B)2.4L L4 LE5 EBCM

-Body  
Body Control Module  
Digital Radio Receiver  
Instrument Panel Cluster  
Personal Audio Link Module  
Radio  
Remote Control Door Lock Receiver  
Remote Function Actuation  
Supplemental Inflatable Restraint  
Theft Deterrent Module

N (Product Line) 2004~2005 Add  
-Powertrain  
(F)2.2L L4 L61 Engine Control Module  
(F)2.2L L4 L61 Transmission Control Module  
(E)3.4L V6 LA1 Engine Control Module  
(E)3.4L V6 LA1 Transmission Control Module

-Chassis  
ABS

-Body  
Body Control Module  
Instrument Panel Cluster  
Radio  
Remote Function Actuation  
Supplemental Inflatable Restraint

T (Product Line) 2005~2010 Add  
-Powertrain  
(T)1.2L L4 LY4 Engine Control Module  
(T)1.2L L4 LY4 Transmission Control Module  
(6)1.6L L4 L91 Engine Control Module  
(6)1.6L L4 L91 Transmission Control Module  
(W)1.4L L4 LDT Engine Control Module  
(W)1.4L L4 LDT Transmission Control Module  
(6)1.6L L4 LXT Engine Control Module  
(6)1.6L L4 LXT Transmission Control Module  
(E)1.6L L4 LXV Engine Control Module  
(E)1.6L L4 LXV Transmission Control Module

-Chassis  
ABS  
Electronic Brake Control Module  
Tire Pressure Monitor

-Body  
Instrument Panel Cluster  
Passenger Presence System

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Radio  
Remote Function Actuation  
Supplemental Inflatable Restraint  
Theft Deterrent Module

V (Product Line) 2004~2006 Add  
-Powertrain  
Engine Control Module  
Transmission Control Module

-Chassis  
ABS/TCS

W (Product Line) 2004~2008 Add  
-Powertrain

(2)3.8L V6 L26 Engine Control Module  
(2)3.8L V6 L26 Transmission Control Module  
(4)3.8L V6 L32 Engine Control Module  
(4)3.8L V6 L32 Transmission Control Module  
(C)5.3L V8 LS4 Engine Control Module  
(C)5.3L V8 LS4 Transmission Control Module

-Body  
Body Control Module  
Digital Radio Receiver  
Driver Information Center  
Head Up Display  
Heating and Air Conditioning  
HVAC Control Module Automatic  
HVAC Control Module Manual  
Instrument Panel Cluster  
Navigation Radio  
Radio  
Remote Control Door Lock Receiver  
Supplemental Inflatable Restraint

Z (Product Line) 2005~2010 Add  
-Powertrain

(0)2.4L L4 LE9 Engine Control Module  
(0)2.4L L4 LE9 Transmission Control Module 4 Speed  
(0)2.4L L4 LE9 Transmission Control Module 6 Speed  
(1)3.9L V6 LZ9 Engine Control Module  
(1)3.9L V6 LZ9 Transmission Control Module  
(7)3.6L V6 LY7 Engine Control Module  
(7)3.6L V6 LY7 Transmission Control Module  
(8)3.5L V6 LX9 Engine Control Module  
(B)2.4L L4 LE5 Engine Control Module  
(B)2.4L L4 LE5 Transmission Control Module  
(B)2.4L L4 LE5 Transmission Control Module 4 Speed  
(B)2.4L L4 LE5 Transmission Control Module 6 Speed  
(K)3.5L V6 LZE Engine Control Module  
(K)3.5L V6 LZE Transmission Control Module  
(N)3.5L V6 LZ4 Engine Control Module  
(N)3.5L V6 LZ4 Transmission Control Module

-Chassis  
Electronic Brake Control Module  
Power Steering Control Module

-Body  
Body Control Module  
Digital Radio Receiver  
Folding Top Module  
HVAC Control Module  
Instrument Panel Cluster  
Personal Audio Link Module  
Radio  
Supplemental Inflatable Restraint  
Theft Deterrent Module

**- Pontiac APV LD Trk, MPV, Incomplete**  
A (Product Line) 2004~2005 Add  
-Powertrain  
Engine Control Module  
Transmission Control Module

-Body  
Body Control Module  
Digital Radio Receiver  
Disc Player and Video Display  
Head Up Display  
Instrument Panel Cluster  
Passenger Presence System  
Personalization  
Radio  
Rear Seat Entertainment  
Supplemental Inflatable Restraint  
Vehicle Theft Deterrent

B (Product Line) 2004~2005 Add  
-Powertrain  
Engine Control Module  
Transmission Control Module

-Body  
Body Control Module  
Digital Radio Receiver  
Disc Player and Video Display  
Head Up Display  
Instrument Panel Cluster  
Passenger Presence System  
Personalization  
Radio  
Rear Seat Entertainment  
Supplemental Inflatable Restraint  
Vehicle Theft Deterrent

L (Product Line) 2006~2009 Add  
-Powertrain  
(F)3.4L V6 LNJ Engine Control Module

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(F)3.4L V6 LNJ Rear Drive System  
(F)3.4L V6 LNJ Transmission Control Module  
(7)3.6L V6 LY7 Engine Control Module  
(7)3.6L V6 LY7 Rear Drive System  
(7)3.6L V6 LY7 Transmission Control Module

**-Chassis**

Electric Power Steering  
Electronic Brake Control Module  
Power Steering Control Module  
Traction Control NO ABS  
Traction Control NO EBCM  
Traction Control YES ABS  
Traction Control YES EBCM

**-Body**

Body Control Module  
Digital Radio Receiver  
Heated Seat Module  
HVAC Control Module  
Instrument Panel Cluster  
Passenger Presence System  
Radio  
Remote Control Door Lock Receiver  
Rollover Sensor  
Supplemental Inflatable Restraint  
Theft Deterrent Module

**U (Product Line) 2004~2009 Add**

**-Powertrain**

(L)3.5L V6 LX9 Engine Control Module  
(L)3.5L V6 LX9 Transmission Control Module  
(1)3.9L V6 LZ9 Engine Control Module  
(1)3.9L V6 LZ9 Transmission Control Module  
(W)3.9L V6 LGD Engine Control Module  
(W)3.9L V6 LGD Transmission Control Module

**-Chassis**

Electronic Brake Control Module  
DBC7 C2 ABS TCS VSES  
DBC7 C2 ABS  
DBC7 C2 ABS TCS

**-Body**

Base Radio  
Body Control Module  
C60 Single Zone HVAC, Manual  
CJ3 Dual Zone HVAC, Manual  
Digital Radio Receiver  
Disc Player and Video  
Disc Player and Video Display  
Driver Information Center  
HVAC Control Module  
Instrument Panel Cluster  
Left Power Sliding Door Module  
Mobile Digital Media

Navigation Radio  
Passenger Presence System  
Radio  
Remote Control Door Lock Receiver  
Right Power Sliding Door Module  
Supplemental Inflatable Restraint  
Uplevel Radio  
Vehicle Theft Deterrent

**V (Product Line) 2004~2009 Add**

**-Powertrain**

(L)3.5L V6 LX9 Engine Control Module  
(L)3.5L V6 LX9 Transmission Control Module  
(1)3.9L V6 LZ9 Engine Control Module  
(1)3.9L V6 LZ9 Transmission Control Module  
(W)3.9L V6 LGD Engine Control Module  
(W)3.9L V6 LGD Transmission Control Module

**-Chassis**

Electronic Brake Control Module  
DBC7 C2 ABS TCS VSES  
DBC7 C2 ABS  
DBC7 C2 ABS TCS

**-Body**

Base Radio  
Body Control Module  
C60 Single Zone HVAC, Manual  
CJ3 Dual Zone HVAC, Manual  
Digital Radio Receiver  
Disc Player and Video  
Disc Player and Video Display  
Driver Information Center  
HVAC Control Module  
Instrument Panel Cluster  
Left Power Sliding Door Module  
Mobile Digital Media  
Navigation Radio  
Passenger Presence System  
Radio  
Remote Control Door Lock Receiver  
Right Power Sliding Door Module  
Supplemental Inflatable Restraint  
Uplevel Radio  
Vehicle Theft Deterrent

**X (Product Line) 2004~2006 Add**

**-Powertrain**

Engine Control Module  
Transmission Control Module

**-Chassis**

Electronic Brake Control Module

**-Body**

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Body Control Module  
Digital Radio Receiver  
Disc Player and Video  
Driver Information Center  
HVAC Control Module  
Instrument Panel Cluster  
Left Power Sliding Door Module  
Mobile Digital Media  
Navigation Radio  
Passenger Presence System  
Radio  
Right Power Sliding Door Module  
Supplemental Inflatable Restraint  
Uplevel Radio  
Vehicle Theft Deterrent

Modify volumetric sensors sensibility

PAM (Parking Assistant Module) enhanced  
- Basic Function  
Data Analysis [enhanced]  
Actuation Test [enhanced]  
- Advanced Function  
Trailer Hook Presence Disabling  
Trailer Hook Presence Enabling

EPS (Electric Power Steering Module) enhanced  
- Basic Function  
Data Analysis [enhanced]  
Actuation Test [enhanced]  
- Advanced Function  
Steering Angle Sensor

ETM (Entertainment Telematic Module) enhanced  
- Basic Function  
Data Analysis [enhanced]  
Actuation Test [enhanced]  
- Advanced Function  
Audio Test Subwoofer Specific  
Power Down  
Power on And Disable User Inputs  
Reset Parameters to Default

HVAC (Heat Vent A/C) enhanced  
- Basic Function  
Data Analysis [enhanced]  
Actuation Test [enhanced]  
- Advanced Function  
Self Learning Motors Test

IPC (Instrument Panel Cluster) enhanced  
- Basic Function  
Data Analysis [enhanced]  
Actuation Test [enhanced]  
- Advanced Function  
ECU Replacement  
Last Service Date  
Reset Odometer  
Reset Service Information

ORC (Occupant Restraint Control) enhanced  
- Basic Function  
Data Analysis [enhanced]

**Compass (2017,2018) year added**  
PCM (Power Control Module) enhanced  
- Basic Function  
Data Analysis [enhanced]  
Actuation Test [enhanced]  
- Advanced Function  
Reset camshaft adaptative

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### CHRYSLER/JEEP/DODGE

**Renegade (2018) year added**

PCM (Power Control Module) enhanced  
- Basic Function  
Data Analysis [enhanced]  
Actuation Test [enhanced]  
- Advanced Function  
Reset camshaft adaptative  
Adaptative parameter reset  
Phonic wheel tooth learning reset  
General Stop Actuators  
Clutch Pedal Learn  
Purge fuel circuit reset

ABS (Anti-Brake Lock System) enhanced  
- Basic Function  
Data Analysis [enhanced]  
Actuation Test [enhanced]  
- Advanced Function  
Electric Park Brake Management  
Wheel Speed Sensor Recognition  
Pressure sensor calibration  
ECU substitution

BCM (Body Control Module) enhanced  
- Basic Function  
Data Analysis [enhanced]  
Actuation Test [enhanced]  
- Advanced Function  
Fire Protection System Activate  
Exit Logistic Mode  
LIN Line Request Check  
LIN Siren Check  
LIN Ultrasonic Sensors Check

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- Adaptative parameter reset  
Phonic wheel tooth learning reset  
General Stop Actuators  
Clutch Pedal Learn  
Purge fuel circuit reset
- ABS (Anti-Brake Lock System) enhanced  
- Basic Function  
  Data Analysis [enhanced]  
  Actuation Test [enhanced]  
- Advanced Function  
  Electric Park Brake Management  
  Wheel Speed Sensor Recognition  
  Pressure sensor calibration  
  ECU substitution
- BCM (Body Control Module) enhanced  
- Basic Function  
  Data Analysis [enhanced]  
  Actuation Test [enhanced]  
- Advanced Function  
  Fire Protection System Activate  
  Exit Logistic Mode  
  LIN Line Request Check  
  LIN Siren Check  
  LIN Ultrasonic Sensors Check  
  Modify volumetric sensors sensibility
- PAM (Parking Assistant Module) enhanced  
- Basic Function  
  Data Analysis [enhanced]  
  Actuation Test [enhanced]  
- Advanced Function  
  Trailer Hook Presence Disabling  
  Trailer Hook Presence Enabling
- EPS (Electric Power Steering Module) enhanced  
- Basic Function  
  Data Analysis [enhanced]  
  Actuation Test [enhanced]  
- Advanced Function  
  Steering Angle Sensor
- ETM (Entertainment Telematic Module) enhanced  
- Basic Function  
  Data Analysis [enhanced]  
  Actuation Test [enhanced]  
- Advanced Function  
  Audio Test Subwoofer Specific  
  Power Down  
  Power on And Disable User Inputs  
  Reset Parameters to Default
- HVAC (Heat Vent A/C) enhanced  
- Basic Function
- Data Analysis [enhanced]  
Actuation Test [enhanced]  
- Advanced Function  
  Self Learning Motors Test
- IPC (Instrument Panel Cluster) enhanced  
- Basic Function  
  Data Analysis [enhanced]  
  Actuation Test [enhanced]  
- Advanced Function  
  ECU Replacement  
  Last Service Date  
  Reset Odometer  
  Reset Service Information
- ORC (Occupant Restraint Control) enhanced  
- Basic Function  
  Data Analysis [enhanced]
- New System added**  
300C  
Adaptive Cruise Control  
- Basic Function  
  DTC analysis  
  ECU information  
- Advanced Function  
  ACC Alignment
- Renegade  
PCM (Power Control Module) enhanced  
- Basic Function  
  Data Analysis [enhanced]  
  Actuation Test [enhanced]  
- Advanced Function  
  Reset camshaft adaptative  
  Adaptative parameter reset  
  Phonic wheel tooth learning reset  
  General Stop Actuators  
  Clutch Pedal Learn  
  Purge fuel circuit reset
- Durango , RAM  
ASCM (Air Suspension Control moduel) enhanced  
- Basic Function  
  DTC Analysis  
  Data Analysis  
  Actuation Test  
  ECU Info  
- Advanced Function  
  Air Spring Circuit Test  
  Height Sensor Check  
  Write Suspension Height Values  
  Component Air Mass/ Pressure/Ride Height Readings  
  Spring Deflate to Reservoir

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Spring Deflate to Atmosphere  
Compressor Circuit Test  
Disable Level Control  
Set Ride Height Level  
Fill Spring From Reservoir

Astra-H Engine (Z 13 DTH) New type add  
- Basic Function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display

### Feedback

USA : Wrangler - PCM Quick Learn , CGW program tire size Funtion added  
USA : Ram 1500 - WCM Bug fixed  
USA : old car - PCM VIN Writie Funtion added  
USA : PT Cruiser - WCM replaced Bug fixed  
MEX : Town&country - VLP clear Funtion added  
USA : Town&country - BCM Sensor added , FCM Funtion added  
USA : Wrangler - PCM replacement Bug fixed  
IRQ : 300 - TPMS Funtion added  
USA : Grand cherokee - Engine rpm Sensor Bug fixed  
USA : Pacifiaca - BCM Funtion added  
USA : 300 - PCM Learn etc Bug fixed  
USA : Grand cherokee - ADCM Bug fixed  
USA : Journey - WCM Function added  
PNA : Compass - FFCM Bug fixed  
IRQ : Patriot - DTC Unknown Bug fixed , Vin Writing Function added  
USA : Avenger - PCM Replaced Bug fixed / PCM DTC Bug fixed  
USA : Compass - TCM Sensor added  
AUS : Wrangler - DPF Function added  
IRQ : Grand cherokee - tpms Function added  
IRQ : Grand cherokee - TCM Function added  
USA : Town & country - TCM Sensor added  
IRQ : Durango - TPMS Function added

Astra-H Engine (Z 16 LET) New type add  
- Basic Function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display

Astra-H EHPS New type add  
- Basic Function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display

Corsa-B Engine (X 12 XE) New type add  
- Basic Function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display

Corsa-C Engine (Z 12 XE) New type add  
- Basic Function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display

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## OPEL / GM BRAZIL

Astra-G Engine (Z 14 XE) New type add  
- Basic Function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display

Astra-H Engine (A 16 XER) New type add  
- Basic Function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display

Corsa-B Engine (X 16 SE) New type add  
- Basic Function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display

Corsa-C Engine (Z 14 XEP) New type add  
- Basic Function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display

Corsa-D Engine (A 12 XER) New type add  
- Basic Function  
DTC Analysis  
Data Analysis  
Actuation Test  
ECU Information Display



**Corsa-D Engine (Z 14 XER) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Corsa-D Engine (Z 13 DTH) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Corsa-D Engine (Z 13 DTJ) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Meriva Engine (Z 13 DTJ) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Meriva Engine (Z 16 XEP) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Vectra-C Engine (Engine Cooling) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Vectra-C Engine (Y 22 DTR) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Vectra-C Engine (Z 18 XER) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Vectra-C Engine (Z 19 DTH) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Vectra-C BCM New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Zafira-B Engine(A 18 XER) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display
- Special function added
- Program tire circumference
- Reset learned value
- Electronic throttle control
- Injection cutoff test

**Zafira-B Transmission (AF 40-6) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

**Zafira-B Transmission (MTA) New type add**

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- ECU Information Display

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## HOLDEN

**New model added**

- **Acadia (GMC)**
- 3.6L LGX Engine Control Module
- 3.6L LGX Transmission Control Module
- Rear Differential Clutch Control Module
- Electronic Brake Control Module
- Power Steering Control Module
- Suspension Control Module

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Body Control Module  
 Serial Data Gateway Module - Processor 1  
 Serial Data Gateway Module - Processor 2  
 Inflatable Restraint Sensing and Diagnostic Module  
 Instrument Cluster  
 HVAC Controls  
 Active Safety Control Module  
 Radio  
 Amplifier  
 HVAC Control Module  
 Liftgate Control Module  
 Right Side Object Detection Control Module  
 Left Side Object Detection Control Module  
 Parking Assist Control Module  
 Frontview Camera Module  
 Long Range Radar Sensor Module

**- Trail Blazer (Chevrolet)**

2.8L LWN Engine Control Module  
 2.8L LWN Transmission Control Module  
 Transfer Case Control Module  
 Electronic Brake Control Module  
 Power Steering Control Module  
 Body Control Module  
 Serial Data Gateway Module  
 Inflatable Restraint Sensing and Diagnostic Module  
 Instrument Cluster  
 Radio Controls  
 HVAC Controls  
 Radio  
 Human Machine Interface Control Module  
 HVAC Control Module  
 Right Side Object Detection Control Module  
 Left Side Object Detection Control Module  
 Frontview Camera Module

**- Camaro (Chevrolet)**

Engine control module  
 Transmission  
 Electronic Brake Control Module  
 Parking Brake Control Module  
 Power Steering Control Module  
 Steering Wheel Angle Sensor Module  
 Body Control Module  
 Serial Data Gateway Module  
 Inflatable Restraint Sensing and Diagnostic Module  
 Passenger Presence Module  
 Instrument Cluster  
 Radio Controls  
 HVAC Controls  
 Radio  
 Amplifier  
 Human Machine Interface Control Module  
 HVAC Control module  
 Seat Memory Control Module - Driver

Keyless Entry Control Module  
 Right Side Object Detection Control Module  
 Left Side Object Detection Control Module  
 Parking Assist Control Module  
 Steering Column Lock Control Module

**- Silverado (Chevrolet)**

6.6L L5P Engine Control Module  
 6.6L L5P Glow Plug Control Module  
 6.6L L5P Transmission Control Module  
 Transfer Case Control Module  
 Electronic Brake Control Module  
 Power Steering Control Module  
 Steering wheel angle sensor module  
 Body Control Module  
 Chassis control module  
 Serial Data Gateway Module  
 Inflatable Restraint Sensing and Diagnostic Module  
 Instrument Cluster  
 Radio Controls  
 HVAC Controls  
 Radio  
 Amplifier  
 Human Machine Interface Control Module  
 HVAC Control module  
 Seat Memory Control Module - Driver  
 Parking Assist Control Module  
 Frontview Camera Module

New system added

**- Equinox(Chevrolet)**

1.5L LYX Engine Control Module  
 1.5L LYX Transmission Control Module  
 1.6L LVL Engine Control Module  
 1.6L LVL Transmission Control Module

**Bug fixed**

Captiva : DTC Read/Erase fixed  
 Communication stabilized  
 DTC Item added

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**MERCEDES COMMERCIAL**

New function added

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X),  
 Axor(375/944), Citaro(628), Conecto(628/671),  
 Econic(957), Integro(627/633), Intouro(613/633),  
 Multego(634), Tourismo(410/632),  
 Travego(410/629/632), U20(405), UGN(405), Zetros(949)

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- PSM - Parameterizable special module

Basic function  
Data Analysis  
Support function  
Learning process

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Citaro(628), Conecto(628/671), Econic(957), Integro(627/633), Intouro(613/633), Multego(634), Turismo(410/632), Travego(410/629/632), U20(405), UGN(405), Zetros(949)

- TCO - Tachograph

Basic function  
Data Analysis

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Citaro(628), Conecto(628/671), Econic(957), Integro(627/633), Intouro(613/633), Multego(634), Turismo(410/632), Travego(410/629/632), Zetros(949)

- ABA - Active brake assist

Basic function  
Data Analysis

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Citaro(628), Conecto(628/671), Econic(957), Integro(627/633), Intouro(613/633), Multego(634), Turismo(410/632), Travego(410/629/632), Zetros(949)

- LWS/SAS - Steering wheel angle sensor

Basic function  
Data Analysis

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), U20(405), UGN(405), Zetros(949)

- GS - Gear control

Basic function  
Data Analysis

Support function

Reset of shift abort counter

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), Zetros(949)

- ART - Autonomous intelligent cruise control

Basic function  
Data Analysis

Support function

Service calibration of radar sensor by means of calibration drive

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), Zetros(949)

- BS - Brake control

Basic function  
Data Analysis

Actuation Test

Support function

FDR Teach in process

Temporary shutoff of ASR function

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), Zetros(949)

- GM - Base module

Basic function  
Data Analysis

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), Zetros(949)

- HZR - Heating control

Basic function  
Data Analysis

Actuation Test

Support function

Calibration run for stepper motors

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), Zetros(949)

- ICUC/INS - Instrument

Basic function  
Data Analysis

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), Zetros(949)

- MS/WS - Maintenance system

Basic function  
Data Analysis

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), Zetros(949)

- MSF - Modular switch panel

Basic function  
Data Analysis

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), Zetros(949)

- RS - Retarder control

Basic function  
Data Analysis

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), Zetros(949)

- SPA - Lane assistant

Basic function  
Data Analysis

Actuation Test

Support function

Windshield replacement

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Econic(957), Zetros(949)

- SRS - Supplemental restraint system

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Basic function  
Data Analysis

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Eonic(957), Zetros(949)

- TMB - Passenger door module

Basic function  
Data Analysis  
Actuation Test

Accelo(979), Actros 2/3(93X), Atego 2(375/958/97X), Axor(375/944), Eonic(957), Zetros(949)

- TMF - Driver's door module

Basic function  
Data Analysis  
Actuation Test

Actros(963), Antos(963), Arocs(964), Atego(967)

- EPAC/IAC - Electric parking/Stationary air conditioner

Basic function  
Data Analysis  
Actuation Test

Actros(963), Antos(963), Arocs(964), Atego(967)

- HAD - Hydraulic auxiliary drive

Basic function  
Data Analysis

Actros(963), Antos(963), Arocs(964), Atego(967), Capacity(628), Citaro(628), Conecto(628/671), Eonic(956), Integro(627/633), Intouro(613/633), LF(634), MINIBUS(90X), Multego(634), RF(634), Turismo(410/632), Travego(410/629/632), UGE(405), UHE(437)

- CPC/FR - Drive control

Basic function  
Data Analysis

Actros(963), Antos(963), Arocs(964), Atego(967), Capacity(628), Eonic(956), LF(634), MINIBUS(90X), RF(634)

- ASA - Additional steering axle

Basic function  
Data Analysis  
Support function

Teach-in of aligned axles

Steering and teach-in of additional axle

Replacement of component 'B64 (Front axle steering angle sensor)'

Actros(963), Antos(963), Arocs(964), Atego(967), Capacity(628), Eonic(956), LF(634), MINIBUS(90X), RF(634)

- EAPU - Electronic air-processing unit

Basic function  
Data Analysis

Support function

Control unit reset

Resetting of routine 'Function test of compressed air system'

Resetting of routine 'Counter for the regenerated air volume'

Actros(963), Antos(963), Arocs(964), Atego(967), Capacity(628), MINIBUS(90X), RF(634)

- ATA/EDW - Anti-theft alarm system

Basic function

Data Analysis

Support function

Erase alarm source

Erase alarm history

Actros(963), Antos(963), Arocs(964), Atego(967), Eonic(956)

- ALAC/CLCR/CLCS/NR - Level control

Basic function

Data Analysis

Actuation Test

Support function

Level calibration

Actros(963), Antos(963), Arocs(964), Atego(967), UGE(405), UHE(437)

- ABS/ESP/EBS - Antilock brake system

Basic function

Data Analysis

Support function

Actuation of ABS solenoid valves with brake test stand

Speed sensors check

### LDV

#### Maxus G10 added

Engine

AT

ABS

BCM

Instrument Panel

SRS

Passive entry start

Head lamp control

TPMS

Power back door controller

Around view system

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Gateway

DTC EraseMemory  
ECU Information Display

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## MAN

FORTWO (450)

- SAM - Signal acquisition and actuation module
- Basic function
- DTC Analysis
- DTC EraseMemory
- ECU Information Display

Basic Function Bug fixed

: TG-A, TG-S, TG-X

- FFR
- Instrumentation
- ECAS
- EBS
- Heating/Air Conditioning/Auxiliary Air Conditioning

BHTC

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## DAEHAN

FORTWO (451)

- BNS/BMS - Battery sensor
- Basic function
- DTC Analysis
- DTC EraseMemory
- Data Analysis
- Actuation Test
- ECU Information Display
- Support function
- Detach transport protection

New Model added

### TERA S

Engine – UAES M7

- Basic Function
- DTC Analysis
- Data Analysis
- Actuation Test
- System Identification

- Advanced Function
- VIN Write

EPS – MANDO

- Basic Function
- DTC Analysis
- Data Analysis

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## SMART

FORTWO (451)

- Electric refrigerant compressor control unit
- Basic function
- DTC Analysis
- DTC EraseMemory
- Data Analysis
- ECU Information Display

FORTWO (451)

- ESM - Electronic selector module
- Basic function
- DTC Analysis
- DTC EraseMemory
- Data Analysis
- ECU Information Display

FORTWO (451)

- ME/CDI/CNG - Engine control unit
- Basic function
- DTC Analysis
- DTC EraseMemory
- ECU Information Display

FORTWO (451)

- Onboard charger
- Basic function
- DTC Analysis
- DTC EraseMemory
- Data Analysis
- Actuation Test
- ECU Information Display
- Support function
- Unlocking of high-voltage component lock
- Locking of high-voltage component lock

New system added

FORTWO (450)

- ME/CDI/CNG - Engine control unit
- Basic function
- DTC Analysis

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**FORTWO (451)**

- PTCU - Common powertrain controller
  - Basic function
    - DTC Analysis
    - DTC EraseMemory
    - Data Analysis
    - Actuation Test
    - ECU Information Display
  - Support function
    - Activate regulation of vacuum pump for supplying brake system
      - Activate transport mode
      - Deactivate transport mode

**FORTWO (451)**

- SG-EM - Power electronics
  - Basic function
    - DTC Analysis
    - DTC EraseMemory
    - Data Analysis
    - Actuation Test
    - ECU Information Display
  - Support function
    - Control unit reset
    - Writing of the VIN

**FORTWO (451)**

- Sound generator for exhaust system
  - Basic function
    - DTC Analysis
    - DTC EraseMemory
    - Data Analysis
    - Actuation Test
    - ECU Information Display

**FORTWO (451)**

- TPM - Tire pressure monitor
  - Basic function
    - DTC Analysis
    - DTC EraseMemory
    - Data Analysis
    - ECU Information Display
  - Support function
    - A69/1 (left front tire pressure monitor sensor)
    - A69/2 (right front tire pressure monitor sensor)
    - A69/3 (left rear tire pressure monitor sensor)
    - A69/4 (rear right tire pressure monitor sensor)
    - Write wheel electronics identification number

**New function added**

**FORTWO (453), FORFOUR (453)**

- ZAN - Audio/COMAND display
  - Basic function
    - Data Analysis

- Actuation Test
- Support function
  - Control unit reset
  - Test of microphone

**FORTWO (453), FORFOUR (453)**

- SG-AWF - Collision prevention assist
  - Basic function
    - Data Analysis
  - Support function
    - Control unit reset

**Bug fixed**

- ABS/ESP - Electronic stability program
- ME/CDI/CNG - Engine control unit

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**HINO**

**HINO 700 (Euro 5)**

**Transmission (ASTRONIC)**

- Special Function added
  - Customization

**HINO 500 (Euro 5)**

**Immobilizer**

- Special Function added
  - Key Code Erasure
  - Key Code Registration(With Master Key)

**ES Start**

- Special Function added
  - Customization
    - initial setting/Initial learning
    - Learned value

**Range inhibit**

- Special Function added
  - Customization

**ABS**

- Special Function added
  - ECU automatic recognition reset
  - Customization
  - VSC learning

**DCU (Dosing Control Unit)**

- Special Function added
  - Inspection menu
  - Customization
  - System protection data

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## PROTON

New Model & System added  
- X70

Engine system  
- DTC  
- Sensor  
- Actuator  
- ECU Info

Keyless entry one-touch start unit (PEPS)  
- DTC  
- Sensor  
- ECU Info

Airbag system (ACU)  
- DTC  
- Sensor  
- ECU Info

Body Control System (BCM)  
- DTC  
- Sensor  
- Actuator  
- ECU Info

Electric Power Steering System (EPS)  
- DTC  
- Sensor  
- ECU Info

Electronic Stability System (ESP)  
- DTC  
- Sensor  
- ECU Info

Front camera system (FCS)  
- DTC  
- Sensor  
- ECU Info

The front radar system (FRS)  
- DTC  
- Sensor  
- Actuator  
- ECU Info

Gateway (GW)  
- DTC

- Sensor  
- Actuator  
- ECU Info

Air conditioning controller (HVAC)  
- DTC  
- Sensor  
- Actuator  
- ECU Info

Instrumentation System (ICU)  
- DTC  
- Sensor  
- Actuator  
- ECU Info

Infotainment Unit (IHU Harman)  
- DTC  
- Sensor  
- Actuator  
- ECU Info

Infotainment Unit (IHU Botai)  
- DTC  
- Sensor  
- Actuator  
- ECU Info

Infotainment Host Unit (IHU ECARX)  
- DTC  
- Sensor  
- Actuator  
- ECU Info

Rear camera system (RCM)  
- DTC  
- Sensor  
- ECU Info

Steering column combination switch (TCM)  
- DTC  
- Sensor  
- Actuator  
- ECU Info

Transmission Control Unit (TCU)  
- DTC  
- Sensor  
- Actuator  
- ECU Info

Tire Pressure Monitoring System (TPMS)  
- DTC  
- Sensor  
- ECU Info

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### Four Wheel Drive System (4WD)

- DTC
- Sensor
- Actuator
- ECU Info

### Special Function Extended

- DPCN (Test version) : India
- Advanced Function
  - Write Aftersales Data

### Emergency Calling Box (T-box Botai)

- DTC
- Sensor
- Actuator
- ECU Info

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### Emergency calling information box (T-box ZTE)

- DTC
- Sensor
- Actuator
- ECU Info

### 360 Panorama (AVM)

- DTC
- Sensor
- ECU Info

### Emergency Call Communication Box (E-CALL VALEO)

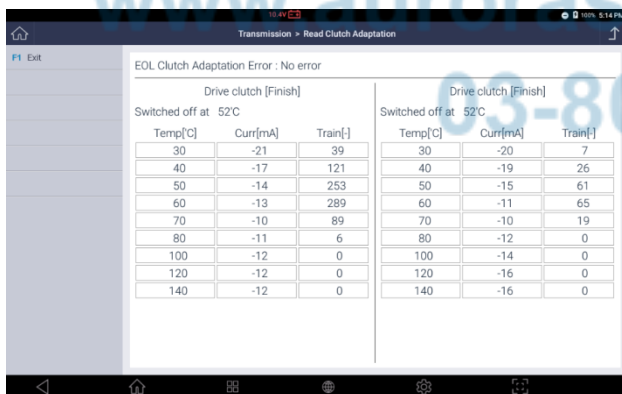
- DTC
- ECU Info

### Parking Assist System (PAS)

- DTC
- Sensor
- ECU Info

### Transmission

- Read Clutch Adaptation



Drive clutch [Finish]			Drive clutch [Finish]		
Switched off at 52°C			Switched off at 52°C		
Temp[C]	Curr[mA]	Train[-]	Temp[C]	Curr[mA]	Train[-]
30	-21	39	30	-20	7
40	-17	121	40	-19	26
50	-14	253	50	-15	61
60	-13	289	60	-11	65
70	-10	89	70	-10	19
80	-11	6	80	-12	0
100	-12	0	100	-14	0
120	-12	0	120	-16	0
140	-12	0	140	-16	0

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**TATA**

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