



Manual



Preface

Thank you for choosing PPC® Diagnostic System! PPC® Diagnostic System is a diagnostic tool for Volvo cars. This tool can both read and erase all diagnostic trouble codes and it handles all control units in the car. It can also reset the service indicator.

The tool is convenient and its functions are easy to learn. Just connect it to the diagnostic outlet of the car and make a diagnosis. We hope that PPC® Diagnostic System will be very useful for you!

Best regards
BSR Svenska AB

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Introduction

The manual

The manual is easy to read and it's illustrated. It contains all the information that's needed to be able to use PPC® Diagnostic System. Please, read the manual before operating the unit.

The manual describes:

- PPC® Diagnostic System and enclosed equipment
- how to connect PPC Diagnostic System to the car
- how to read DTCs
- how to erase DTCs
- how to reset the service indicator
- what all DTCs mean

DTCs

The last part of the manual consists of DTCs and their definitions. A complete list with all definitions to all DTCs is available on the home page. On the home page it's also possible to search for a specific DTC or control unit.

(DTC= Diagnostic Trouble Code)

Product information

PPC® Diagnostic System

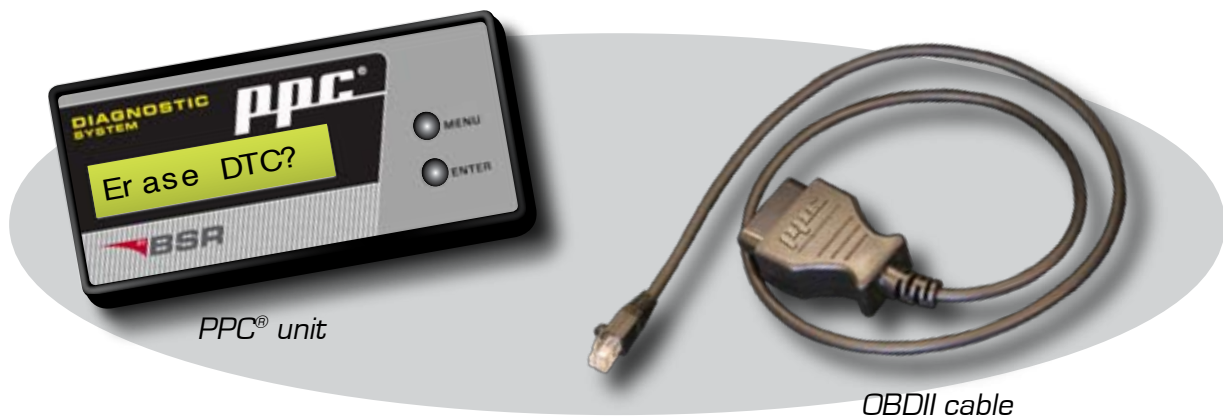
PPC® Diagnostic System can read and erase all DTCs from all control units in a Volvo car - not only the engine control unit (ECU) but all units. In all it handles nearly 40 different control units and more than 8000 diagnostic trouble codes. The DTCs are showed in PPC's display and you can find the definitions of the DTCs in this manual and on our home page <http://www.ppc-diagnostic.com>.

PPC® Diagnostic System can also reset the service indicator.

Works with all Volvo cars **from 2001 and forward** in the **40N/50/60/70/80/90 series**. Doesn't work with the old S40/V40 (1996-2004), old C70 (1998-2005) or new S80 (2007).

Enclosed equipment

PPC® Diagnostic System always contains a PPC® unit and OBDII cable.



Storage

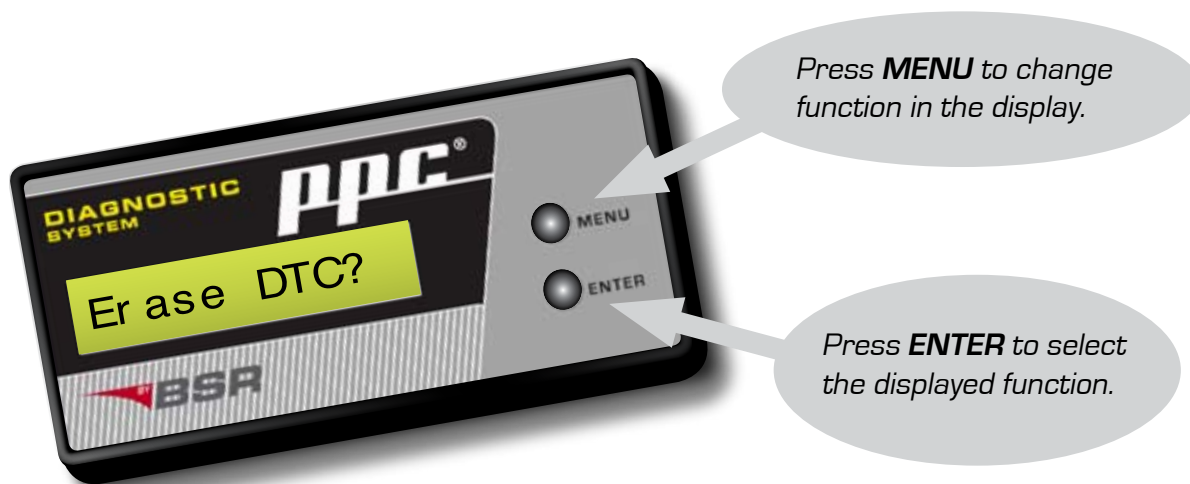
PPC® Diagnostic System must not be exposed to water, moisture or condensation. Store it in a place free from dust and vibrations. Do not store it near strong magnetic fields.



Management

Enter and Menu

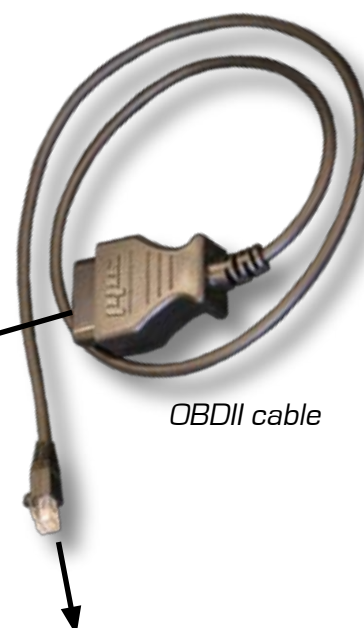
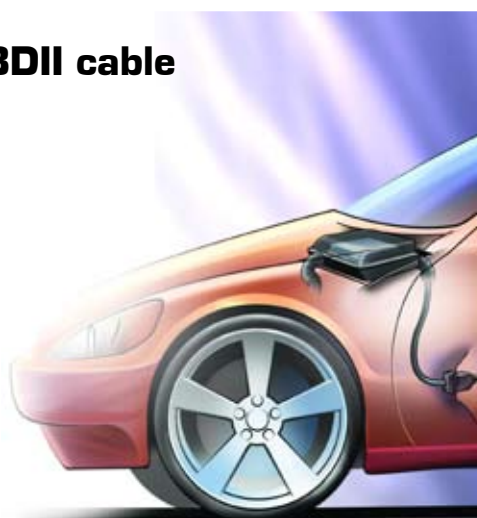
PPC® has got two buttons: Enter and Menu. With these two buttons you can easily navigate in the menu and choose the wanted function.



Connection of the OBDII cable

1. Connect the OBDII cable to both PPC® and the car's diagnostic outlet.

2. Then turn ignition on.



Location of the OBDII outlet

The pictures below shows where the car's OBDII outlet (diagnostic outlet) is located on different Volvo models. To this outlet you connect the enclosed OBDII cable and PPC®.

Note that PPC® must not be connected to the car while driving. Disconnect PPC® from the car when you have finished the diagnosis.



Location of the OBDII outlet

Functions

Read DTC

- Connect PPC® Diagnostic System to the car and turn ignition on.
- When **"Read DTC?"** is showed, press Enter.
- Choose year model with the menu button (1999-2004 or 2005 and forw.), press Enter.

Now PPC® automatically starts searching through all control units of the car, one at a time. When a DTC is found it is showed in the display. Press Enter to continue the searching.

Erase DTC

- Connect PPC® Diagnostic System to the car and turn ignition on.
- Browse to **"Erase DTC?"** with the menu button, then press Enter.
- Choose year model with the menu button (1999-2004 or 2005 and forw.), press Enter.
- The message "Erasing DTC..." shows that PPC® is erasing the DTCs of the car.

PPC® erases a limited amount of DTCs at a time. By large amounts of DTCs, it might be necessary to repeat the erasing procedure to get all DTCs erased.

Reset SRL

- Connect PPC® Diagnostic System to the car and turn ignition on.
- Browse to **"Reset SRL?"** with the menu button, then press Enter.
- Choose year model with the menu button (1999-2004 or 2005 and forw.), press Enter.
- The message "SRL Reset..." shows that the service indicator is reset.

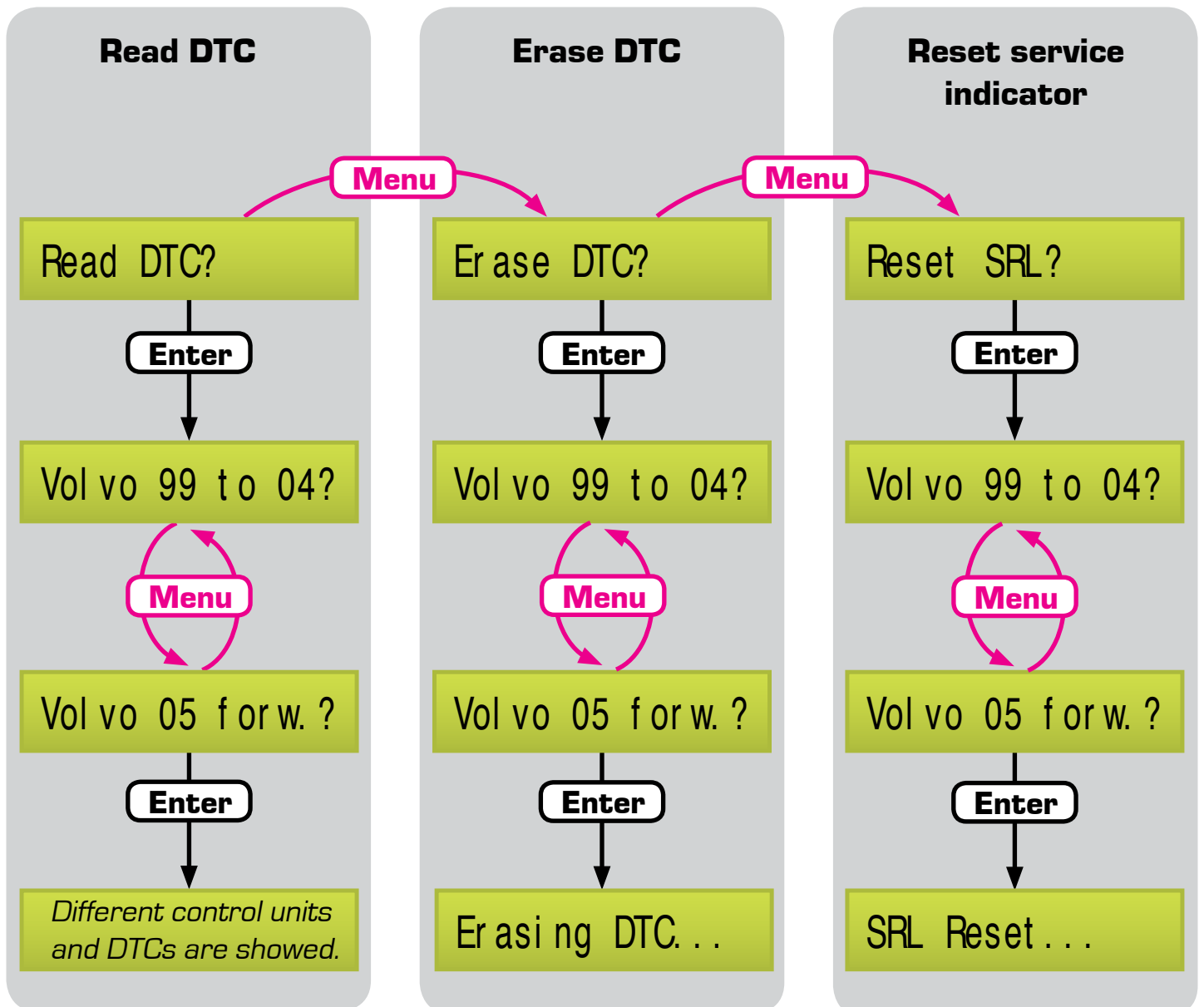
"SRL" means Service Reminder Lamp, also known as Service Reminder Indicator, SRI.

Handling diagram

The diagram below shows how to read DTC, erase DTC and reset the service indicator. Handling is very easy: Menu button changes function in the display, and Enter button selects the wanted function.

Enter = press Enter

Menu = press Menu



Home page

On our home page <http://www.ppc-diagnostic.com> you'll find information about PPC® Diagnostic System. Here are some examples of the contents on the home page:

Search DTC

When you've found out what trouble codes the car has got, you also want to know what the codes mean. By using the search function you'll quickly get all the explanations to the different DTCs. It's possible to search on both DTCs and control units.

FAQ

The FAQ (Frequently Asked Questions) contains the most common questions and answers. If you have a question you'll probably find the answer on the FAQ. The FAQ is continuously updated as we get new questions. A good tip is to have a look at the FAQ before you contact your PPC dealer.

Order

You can order PPC® Diagnostic System via a simple order form on the home page.

Manual

This manual is available also as pdf on the home page.

Support

Where should I go to get support? If you have questions or need some help with the management of PPC® Diagnostic System you can contact your PPC dealer by completing a question form on the home page. Fill in your name and e-mail and write your question. Then press "Send". Your question is top priority and will be answered as soon as possible. The answer is sent to the e-mail that you entered.

Before contacting your PPC dealer by completing the question form on the home page we recommend that you first search for information in the FAQ on the home page.



Important!

The PPC dealer will not answer questions concerning the car, car repair, (dis)assembly, spare parts, mechanics etc. If you have questions concerning this you are requested to apply for information at your branded garage or in a shop manual.

Glossary

Control units

ABS	Anti Block System
ADM	Additive Dosing Module
AEM	Accessory Electronic Module
AFM	AM FM Module
ATM	Antenna Module
AUD	Audio Module
AUM	Audio Module
BCM	Break Control Module
CCM	Climate Control Module
CEM	Central Electronic Module
CPM	Combustion Preheater Module
DDM	Driver Door Module
DEM	Differential Electronic Module
DIM	Driver Information Module
ECM	Engine Control Module
EPS	Electrical Power Steering Module
GPS	Global Positioning System Module
ICM	Infotainment Control Module
KVM	Keyless Vehicle Module
MMM	Multi Media Module
MPM	Mediaplayer
MP1	Media Player 1 (Minidisc)
MP2	Media Player 2 (CD)
PAM	Parking Assistance Module
PDM	Passenger Door Module
PHM	Phone Module
PSM	Power Seat Module
REM	Rear Electronic Module
RTI	Road Traffic Information
SAS	Steering Angle Sensor
SRS	Supplementary Restraint System
SUB	Subwoofer
SUM	Suspension Module
SWM	Steering Wheel Module
TCM	Transmission Control Module
TMC	Traffic Channel Module
TRM	Trailer Module
UEM	Upper Electronic Module

Shortenings

A/C	Air Conditioning
ACM	Alternator Control Module
AP	Accelerator Pedal
AGS	Air Quality Sensor
BSC	Body Cluster Stability Sensor
CAC	Charge Air Cooler
CMP	Camshaft Position Sensor
CP	Canister Purge
CPM	Combustion Preheater Module
DSTC	Dynamic Stability Traction Control
DTC	Diagnostic Trouble Code
ECT	Engine Coolant Temperature
EGR	Exhaust Gas Recirculation
ETM	Electronic Throttle Module
EVAP	Evaporative Emission System
FC	Engine Cooling Fan
FP	Fuel Pump
GDL	Gas Discharge Lamp Module
GSM	Gear Selector Module
HO2S	Heated Oxygen Sensor
IAT	Intake Air Temperature
KD	Kick Down
KS	Knock Sensor
LCM	Left Camera Module
LSM	Light Switch Module
MAF	Mass Air Flow
MAP	Manifold Absolute Pressure
MIL	Malfunction Indicator Lamp
OWS	Occupant Weight Sensor
RCM	Right Camera Module
RPM	Engine Speed
RSM	Rain Sensor Module
SCL	Steering Column Lock Module
SCM	Siren Control Module
SCU	Start Control Module
SRI	Service Reminder Indicator
SRL	Service Reminder Lamp
SIPS	Side Impact Protection System
TC	Turbo Charger
TWC	Three-way Catalytic Converter
VNT	Variable Nozzle Turbo
VSS	Vehicle Speed Sensor
WMM	Wiper Motor Module

Diagnostic Trouble Codes (DTC)

Interpret DTCs

In the remaining part of the manual you'll find all DTCs from all control units in a Volvo car. However, you will not find all definition variants to each DTC. The manual only presents the all-embracing headline definition (marked red below). This is because of the limited space. A complete list with all definitions for all DTCs is available on the home page.

→ ECM-2820 Front HO2S, bank 1, heating

~~ECM-2820 Front heated oxygen sensor (HO2S), bank 1, heating. Signal missing~~

~~ECM-2820 Front heated oxygen sensor (HO2S), bank 1, heating. Signal too high~~

~~ECM-2820 Front heated oxygen sensor (HO2S), bank 1, heating. Signal too low~~

→ ECM-2820 HO2S bank 1, preheating

~~ECM-2820 Heated oxygen sensor (HO2S) bank 1, preheating. Faulty signal. Intermittent fault~~

~~ECM-2820 Heated oxygen sensor (HO2S) bank 1, preheating. Faulty signal. Permanent fault~~

~~ECM-2820 Heated oxygen sensor (HO2S) bank 1, preheating. Signal missing. Intermittent fault~~

~~ECM-2820 Heated oxygen sensor (HO2S) bank 1, preheating. Signal missing. Permanent fault~~

~~ECM-2820 Heated oxygen sensor (HO2S) bank 1, preheating. Signal too high. Intermittent fault~~

~~ECM-2820 Heated oxygen sensor (HO2S) bank 1, preheating. Signal too high. Permanent fault~~

~~ECM-2820 Heated oxygen sensor (HO2S) bank 1, preheating. Signal too low. Intermittent fault~~

~~ECM-2820 Heated oxygen sensor (HO2S) bank 1, preheating. Signal too low. Permanent fault~~

→ ECM-2820 Fuel level too low

~~ECM-2820 Fuel level. Level too low~~

Example that shows DTC "ECM-2820".

Only the all-embracing headline (marked red above) is showed in this manual.

To get all explanations (crossed above) see our home page.

www.ppc-diagnostic.com

ABS

ABS-0010 Left front wheel sensor
ABS-0011 Left front wheel sensor
ABS-0012 Left front wheel sensor
ABS-0020 Right front wheel sensor
ABS-0021 Right front wheel sensor
ABS-0022 Right front wheel sensor
ABS-0030 Left rear wheel sensor
ABS-0031 Left rear wheel sensor
ABS-0032 Left rear wheel sensor
ABS-0040 Right rear wheel sensor
ABS-0041 Right rear wheel sensor
ABS-0042 Right rear wheel sensor
ABS-0064 Stop lamp switch
ABS-0065 Stop (brake) lamp switch
ABS-0066 Front brake discs. Temp too high
ABS-0070 Pump motor
ABS-0072 Control module
ABS-0074 Battery voltage
ABS-0075 Control module
ABS-0076 Control module
ABS-0077 Battery voltage.
ABS-0080 Control module.
ABS-0090 Control module
ABS-0091 Control module communication
ABS-0092 Control module communication
ABS-0093 Control module communication
ABS-0094 Control module communication
ABS-0095 Control module communication
ABS-0097 Control module
ABS-00A0 Yaw-velocity sensor 1
ABS-00A1 Yaw rate sensor 1 & 2
ABS-00A2 Side acceleration sensor.
ABS-00A3 Lateral acceleration sensor
ABS-00A3 Side acceleration sensor
ABS-00A4 Brake pressure sensor 1
ABS-00A5 Brake pressure sensor 2
ABS-00A6 Brake pressure sensor 1 & 2
ABS-00A7 Power supply sensor
ABS-00B0 Brake amplifier pre-pressure valve
ABS-00B0 Power brake booster pressure build-up valve
ABS-00B1 Pedal pressure sensor
ABS-00B2 Yaw-velocity sensor 2
ABS-00B3 Communication SAS
ABS-00B4 Communication SAS
ABS-00B5 Communication SAS
ABS-00B6 Communication. CAN or SAS
ABS-00B7 Communication control unit
ABS-00C0 Stabilising function
ABS-00C1 Stabilising function
ABS-00C2 Reversing signal
ABS-00C3 Reversing signal
ABS-00C4 Control unit
ABS-00C7 DSTC Factory test

ADM

ADM-0001 Additive dosing module (ADM)
ADM-0002 Level sensor, additive
ADM-0003 Level sensor, additive
ADM-0004 Tank level, additive
ADM-0005 Tank level, additive

ADM-0006 Pump, additive
ADM-0007 Pump, additive
ADM-0008 Pump, additive
ADM-0009 Control module
ADM-000A Vehicle speed
ADM-000B Fuel level
ADM-E000 Control module
ADM-E003 Configuration fault
ADM-E010 Power supply control module

AEM

AEM-1A01 Power supply
AEM-1D01 Control module
AEM-1D02 Control module, software
AEM-1D03 Control module not fully programmed
AEM-1D07 Control module
AEM-1D08 Control module
AEM-1DOA Control module
AEM-4F60 Back-up (reversing) warning system
AEM-4F61 Back-up (reversing) warning system
AEM-4F62 Reversing warning system, buzzer
AEM-4F63 Reversing warning system, buzzer
AEM-5F10 Relay, engine block heater
AEM-5F11 Relay, engine block heater
AEM-5F20 Remote start
AEM-5F22 Remote start
AEM-5F23 Remote start
AEM-6C50 Alarm output P0
AEM-6C51 Alarm output P0
AEM-6C52 Alarm output P1
AEM-6C53 Alarm output P1
AEM-6C54 Alarm output S0
AEM-6C55 Alarm output S0
AEM-6C56 Alarm output S1
AEM-6C57 Alarm output S1
AEM-7A10 Carphone mute signal
AEM-7A11 Carphone mute signal
AEM-7A12 Rheostat signal
AEM-7A14 Speed signal
AEM-7A16 Antenna amplifier
AEM-7A17 Antenna amplifier
AEM-E001 Control module communication
AEM-E003 Control module communication
AEM-E010 Power supply

AFM

AFM-0001 Antenna AM/FM
AFM-0002 Antenna AM/FM
AFM-0003 Antenna AM/FM

ATM

ATM-0001 Antenna module (ATM)
ATM-0002 TMC receiver
ATM-0003 TMC receiver
ATM-0004 GPS unit
ATM-0005 GPS unit
ATM-0006 GPS unit
ATM-0007 GPS unit

AUD

AUD-0001 Control module
AUD-0002 Loudspeaker left front
AUD-0003 Loudspeaker right front
AUD-0004 Loudspeaker left rear
AUD-0005 Loudspeaker right rear
AUD-0006 Loudspeaker left front
AUD-0007 Center loudspeaker
AUD-0008 Loudspeaker right front
AUD-0009 Loudspeaker left rear
AUD-000A Loudspeaker right rear
AUD-000B Loudspeakers front
AUD-000C Loudspeaker rear
AUD-000D Control module
AUD-000E Microphone terminal
AUD-000F Microphone terminal
AUD-0010 Microphone terminal
AUD-0011 Buttons headset 1
AUD-0012 Buttons headset 1
AUD-0013 Buttons headset 2
AUD-0014 Buttons headset 2
AUD-0015 Buttons headset 3
AUD-0016 Buttons headset 3
AUD-0017 Buttons headset 4
AUD-0018 Buttons headset 4
AUD-0019 Headset panel left
AUD-001A Headset panel right

AUM

AUM-1000 Memory control Audio HU1205
AUM-2000 CD-servo Audio HU1205
AUM-2100 CD unit Audio HU1205
AUM-3000 GPS receiver Audio HU1205
AUM-3100 GPS antenna Audio HU1205
AUM-4001 Antenna amplifier 1
AUM-4002 Amplifier, main antenna
AUM-40FF Amplifier, main antenna
AUM-41FF Amplifier, sub-antenna
AUM-4201 Single CD player
AUM-4203 Single CD player
AUM-42F1 Single CD player
AUM-42F3 Single CD player
AUM-42FF Single CD player
AUM-4301 MiniDisc player
AUM-4303 MiniDisc player
AUM-43F1 MiniDisc player
AUM-43F3 MiniDisc player
AUM-43FF MiniDisc player
AUM-4401 4 disc CD changer
AUM-4403 4 disc CD changer
AUM-44F1 4 disc CD changer
AUM-44F2 4 disc CD changer
AUM-44F3 4 disc CD changer
AUM-44FF 4 disc CD changer
AUM-4501 Cassette deck
AUM-45FF Cassette deck
AUM-4601 10 disc CD changer
AUM-4603 10 disc CD changer
AUM-46F1 10 disc CD changer
AUM-46F2 10 disc CD changer
AUM-46F3 10 disc CD changer

AUM-46FE 10 disc CD changer
AUM-46FF 10 disc CD changer
AUM-47FE Amplifier
AUM-47FF Amplifier
AUM-48FD Control module
AUM-49FD Control module
AUM-4BFF Control module
AUM-6000 Audio unit Audio HU1205
AUM-E001 Communication control module
AUM-E003 Communication control module

BCM

BCM-0010 Left front wheel sensor
BCM-0011 Left front wheel sensor
BCM-0012 Left front wheel sensor
BCM-0020 Right front wheel sensor
BCM-0021 Right front wheel sensor
BCM-0022 Right front wheel sensor
BCM-0030 Left rear wheel sensor
BCM-0031 Left rear wheel sensor
BCM-0032 Left rear wheel sensor
BCM-0040 Right rear wheel sensor
BCM-0041 Right rear wheel sensor
BCM-0042 Right rear wheel sensor
BCM-0050 Control module
BCM-0052 Control module
BCM-0057 Power supply
BCM-0058 Power supply
BCM-0061 Brake discs
BCM-0065 Stop lamp switch/pedal position sensor
BCM-0068 Sensor power supply
BCM-0070 Power supply for the pump motor
BCM-0071 Pump motor
BCM-0072 Pump motor
BCM-0074 Hydraulic valves
BCM-0076 Control module
BCM-0080 Lateral accelerometer
BCM-0081 Accelerometer
BCM-0082 Yaw rate sensor
BCM-0083 Angle of lean sensor
BCM-0090 Lateral accelerometer
BCM-0091 Accelerometer
BCM-0092 Yaw rate sensor
BCM-0093 Angle of lean sensor
BCM-0094 Communication control modules
BCM-0095 Communication control modules
BCM-0097 Communication control modules
BCM-0100 Communication control modules
BCM-0101 Communication control modules
BCM-0103 Pedal position sensor
BCM-0105 Steering wheel, wheel alignment
BCM-0106 Steering wheel, wheel alignment
BCM-0108 Communication control modules
BCM-0108 Communication control modules
BCM-0109 Communication control modules
BCM-0111 Communication control modules
BCM-0112 Active yaw control sensor
BCM-0112 Body sensor cluster stability sensor
BCM-0113 Back-up (reversing) signal
BCM-0114 Communication active yaw control
BCM-0114 Communication with BSC

BCM-0115 Communication control modules
 BCM-0116 Communication active yaw control
 BCM-0116 Communication BSC
 BCM-0117 Communication active yaw control
 BCM-0117 Communication BSC
 BCM-0118 Power supply for active yaw control
 BCM-0118 Power supply for BSC
 BCM-0119 Power supply for active yaw control
 BCM-0119 Power supply for BSC
 BCM-0121 Yaw rate sensor
 BCM-0123 Active yaw control sensor
 BCM-0123 BSC
 BCM-0125 Lateral accelerometer
 BCM-0127 Angle of lean sensor
 BCM-0129 Accelerometer
 BCM-0130 Brake pressure sensor 1
 BCM-0131 Brake pressure sensor
 BCM-0132 Brake pressure sensor
 BCM-0133 Brake pressure sensor 2
 BCM-0134 Brake pressure sensor
 BCM-0135 Brake pressure sensor
 BCM-0136 Brake pressure sensor 1 and 2
 BCM-0138 Power supply for active yaw control
 BCM-0138 Power supply for BSC
 BCM-0139 Pressure build-up valve, power brake booster
 BCM-0140 Pedal pressure sensor
 BCM-0145 Stability control
 BCM-0146 Factory test DSTC
 BCM-0147 Pedal position sensor
 BCM-0148 Communication control modules
 BCM-0150 Stop lamp switch
 BCM-0151 Control module
 BCM-A030 Communication control modules
 BCM-A031 Communication control modules
 BCM-A032 Communication control modules
 BCM-E000 Control module communication
 BCM-E003 Configuration fault

CCM

CCM-0001 Blower fan motor
 CCM-0001 Configuration fault
 CCM-0002 Blower fan motor
 CCM-0002 Evaporator temperature sensor
 CCM-0003 Blower fan motor passenger compartment temperature sensor
 CCM-0003 Evaporator temperature sensor
 CCM-0004 Compressor
 CCM-0004 Passenger compartment temp sensor
 CCM-0005 Evaporator temperature sensor
 CCM-0005 Passenger compartment temp sensor
 CCM-0006 Blower fan motor passenger compartment temperature sensor
 CCM-0006 Evaporator temperature sensor
 CCM-0006 Temp damper motor position sensor
 CCM-0007 Passenger compartment temp sensor
 CCM-0007 Temp damper motor position sensor
 CCM-0008 Blower fan motor passenger compartment temperature sensor
 CCM-0008 Sun sensor
 CCM-0009 Blower fan motor passenger compartment temperature sensor

CCM-0009 Sun sensor
 CCM-000A Air distribution damper motor position sensor
 CCM-000A Nightfall sensor
 CCM-000B Air distribution damper motor position sensor
 CCM-000B Left temperature damper motor
 CCM-000C Right temperature damper motor
 CCM-000D Recirculation damper motor
 CCM-000E Damper motor, floor / ventilation
 CCM-000F Damper motor defroster
 CCM-0010 Air distribution damper motor
 CCM-0010 Control module
 CCM-0011 Control module
 CCM-0011 Left temperature damper motor
 CCM-0012 Right temperature damper motor
 CCM-0012 Temperature damper motor
 CCM-0013 Air distribution damper motor
 CCM-0013 Recirculation damper motor
 CCM-0014 Damper motor, floor and ventilation
 CCM-0015 Damper motor defroster
 CCM-0016 Air distribution damper motor
 CCM-0017 Damper motor direction control
 CCM-0017 Direction regulator damper motor
 CCM-0018 Damper motor direction control
 CCM-0018 Direction regulator damper motor
 CCM-0019 Function button
 CCM-001A Blower fan knob
 CCM-001B Blower fan motor
 CCM-001B Lower switch
 CCM-001C Lower switch
 CCM-001D Left temperature knob
 CCM-001E Right Temperature knob
 CCM-001F Air quality sensor
 CCM-001F Blower fan motor
 CCM-0020 Air quality sensor
 CCM-0020 Blower fan power unit
 CCM-0020 Function button
 CCM-0021 Air quality sensor
 CCM-0021 Blower fan power unit
 CCM-0022 Air quality sensor
 CCM-0030 Left heater pad
 CCM-0031 Sensor left-hand seat heater
 CCM-0032 Left-hand seat heater
 CCM-0033 Left-hand seat heater
 CCM-0034 Right heater pad
 CCM-0035 Sensor right-hand seat heater
 CCM-0036 Right-hand seat heater
 CCM-0037 Right-hand seat heater
 CCM-0040 Air quality sensor
 CCM-0045 Blower fan relay
 CCM-0046 Blower fan relay
 CCM-0050 Blower fan knob
 CCM-0051 Temperature control left
 CCM-0052 Left-hand seat heater
 CCM-0052 Temperature control right
 CCM-0053 Air distribution control
 CCM-0053 Right-hand seat heater
 CCM-0056 Communication left-hand seat heater
 CCM-0057 Communication right-hand seat heater
 CCM-0058 Communication left-hand seat heater
 CCM-0059 Communication right-hand seat heater
 CCM-0060 Damper motor defroster

CCM-0061 Rear demist, heated door mirrors
 CCM-0061 Recirculation damper motor
 CCM-0062 Left temperature damper motor
 CCM-0062 Rear demist, heated door mirrors
 CCM-0063 Request AC, ECC, MCC
 CCM-0063 Right temperature damper motor
 CCM-0064 Air distribution damper motor
 CCM-0064 Request AC, ECC, MCC
 CCM-0065 Temp/recirculation damper motor
 CCM-0067 Recirculation damper motor
 CCM-0068 Recirculation damper motor
 CCM-0070 Configuration fault
 CCM-0071 Damper motor
 CCM-0071 Temp/air distribution damper motor
 CCM-0072 Damper motor
 CCM-0073 Air distribution damper motor
 CCM-0079 ECT sensor, ECC
 CCM-007A ECT sensor, ECC
 CCM-007C Evaporator temp sensor, ECC, MCC
 CCM-007D Evaporator temp sensor, ECC, MCC
 CCM-007E Outside temperature sensor ECC
 CCM-007F Outside temperature sensor, ECC
 CCM-0080 Air distribution damper motor
 CCM-0081 Temperature damper motor
 CCM-0085 30-power supply
 CCM-0086 Left-hand seat heater switch
 CCM-0087 AC switch, ECC, MCC
 CCM-0088 REC switch
 CCM-0089 Rear defroster switch
 CCM-008A Right-hand seat heater switch
 CCM-008B Climate control module ECC
 CCM-0090 Lower switch
 CCM-0091 Lower switch
 CCM-00A0 Blower fan motor
 CCM-00A1 Blower fan motor
 CCM-DD00 LIN bus 1
 CCM-DD01 LIN bus 1
 CCM-DD02 LIN bus 1
 CCM-DD10 Air quality sensor (AQS)
 CCM-DD12 Left seat heater
 CCM-DD14 Recirculation damper motor
 CCM-DD15 Left temperature damper motor
 CCM-DD16 Damper motor air distribution
 CCM-DD20 LIN bus 2
 CCM-DD21 LIN bus 2
 CCM-DD22 LIN bus 2
 CCM-DD30 Right-hand seat heater
 CCM-DD31 Recirculation damper motor
 CCM-DD32 Right temperature damper motor
 CCM-DD33 Damper motor defroster
 CCM-DD34 Air quality sensor (AQS)
 CCM-E001 Control module communication
 CCM-E003 Configuration fault
 CCM-E010 Power supply

CEM

CEM 0001 Control module
 CEM 0002 High beam flash
 CEM 0003 Lighting switch
 CEM 0009 15/2-Power supply
 CEM 000A 75-Power supply

CEM 000B Switch, front fog lamps
 CEM 000C Switch, rear fog lamps
 CEM 000D Rheostat, input
 CEM 000E Speed signal
 CEM 000F High beam
 CEM 0010 High beam
 CEM 001E Rheostat, output
 CEM 0021 Control module, internal fault
 CEM 0022 Windshield wiper, parking position switch
 CEM 0023 Windshield wiper, parking position switch
 CEM 0024 Control module, internal fault
 CEM 0025 Bulb failure warning sensor
 CEM 0026 Bulb failure warning sensor
 CEM 0027 Battery voltage
 CEM 1A03 S-Power supply
 CEM 1A05 X-Power supply
 CEM 8C12 Switch, rear fog lamps
 CEM 8D02 Ignition switch lighting and high-mounted stop lamp (LED)
 CEM-1010 Control module memory fault
 CEM-1011 (A) Control module memory fault
 CEM-1011 (B) Control module memory fault
 CEM-1012 (A) Control module memory fault
 CEM-1012 (B) Control module memory fault
 CEM-1A03 S-Power supply
 CEM-1A04 X-Power supply
 CEM-1A05 30 Power supply
 CEM-1A05 X-Power supply
 CEM-1A06 15-Power supply
 CEM-1A07 15-Power supply
 CEM-1A08 50-Power supply
 CEM-1A09 50-Power supply
 CEM-1A21 Engine control module (ECM)
 CEM-1A21 Increased power supply relay
 CEM-1A22 Engine control module (ECM)
 CEM-1A23 Increased power supply relay
 CEM-1A24 Relay Ext X2-Power supply
 CEM-1A25 Relay Ext X2-Power supply
 CEM-1A26 Relay, 15i power supply
 CEM-1A27 Relay, 15i power supply
 CEM-1A40 50-power supply
 CEM-1A41 (A) Ignition switch
 CEM-1A41 (B) Real time clock
 CEM-1A42 Real time clock
 CEM-1A51 Communication with SRS
 CEM-1A52 Communication with DDM
 CEM-1A53 Communication with PDM
 CEM-1A54 Communication with PSM
 CEM-1A55 Communication with CCM
 CEM-1A56 Communication with DIM
 CEM-1A57 Communication with RTI
 CEM-1A58 Communication with PHM
 CEM-1A59 Communication with AUM
 CEM-1A5A Communication with REM
 CEM-1A5B Communication with SWM
 CEM-1A5C Communication with UEM
 CEM-1A5D Communication with ETM
 CEM-1A5E Communication with SAS
 CEM-1A5F Communication with ABS
 CEM-1A5F Communication with BCM
 CEM-1A61 Communication with TCM

CEM-1A62 Communication with ECM
CEM-1A63 Communication with AEM
CEM-1A64 Communication with DEM
CEM-1A65 Communication with SUM
CEM-1A66 Communication with ICM
CEM-1C01 L signal
CEM-1C02 L signal
CEM-1C04 30 Power supply
CEM-1C05 30-Power supply
CEM-1C06 Alternator control module (ACM)
CEM-1C07 Alternator control module (ACM)
CEM-1C08 Alternator control module (ACM)
CEM-1C0A Alternator control module (ACM)
CEM-1C21 Relay, infotainment
CEM-1C22 Relay, infotainment
CEM-1D01 Control module memory fault
CEM-1D01 Control module. Internal fault
CEM-1D02 Control module. Internal fault
CEM-1D03 Control module not fully programmed
CEM-1D04 ECM, software
CEM-1D05 Control module
CEM-1D05 TCM, software
CEM-1D06 Control module
CEM-1D07 Control module
CEM-1D08 Control module
CEM-1D09 Control module
CEM-1DOA Control module
CEM-1DOB Control module
CEM-1DOC Control module
CEM-1E04 Communication with lamp switch module
CEM-1E05 Communication with additional heater module
CEM-1F00 ECM, software
CEM-1F01 TCM, software
CEM-2E01 Power steering
CEM-2E03 Power steering
CEM-2E04 Power steering
CEM-2F01 Seat position sensor, driver
CEM-2F02 Seat position sensor, driver
CEM-2F03 Seat position sensor, driver
CEM-2F04 Seat position sensor, passenger
CEM-2F05 Seat position sensor, passenger
CEM-2F06 Seat position sensor, passenger
CEM-2F60 Twilight sensor
CEM-2F61 Twilight sensor
CEM-2FA1 Driver seatbelt lock
CEM-2FA2 Driver seatbelt lock
CEM-2FA3 Driver seatbelt lock
CEM-2FA4 Passenger seatbelt lock
CEM-2FA5 Passenger seatbelt lock
CEM-2FA6 Passenger seatbelt lock
CEM-3A00 ECM software
CEM-3A01 Fuel pump
CEM-3A02 Fuel pump
CEM-3A03 Fuel pump
CEM-3A04 Fuel pump (FP)
CEM-3A05 Fuel pump (FP)
CEM-3A07 Fuel pump (FP)
CEM-3A07 Relay, leak diagnostic pump heating
CEM-3A08 Fuel pump (FP)
CEM-3A08 Relay, leak diagnostic pump heating
CEM-3F01 (A) Clutch pedal sensor
CEM-3F01 (B) Back up gear inhibitor
CEM-3F02 (A) Clutch pedal sensor
CEM-3F02 (B) Back up gear inhibitor
CEM-3F02 Shift lock signal
CEM-3F03 Clutch pedal sensor
CEM-3F03 Shift lock signal
CEM-3F81 Immobilizer signal
CEM-3F82 Immobilizer signal
CEM-3F83 Immobilizer signal
CEM-3F84 Immobilizer signal
CEM-3F90 Fuel pump relay
CEM-3F91 Fuel pump relay
CEM-3F92 Accelerator pedal (AP) position sensor
CEM-3F93 Accelerator pedal (AP) position sensor
CEM-4A00 Total mileage
CEM-4A31 Ejector senso
CEM-4A33 Fuel level sensor
CEM-4A34 Fuel level sensor
CEM-4A35 Fuel level sensor
CEM-4A37 Fuel level sensor
CEM-4A38 Fuel level sensor
CEM-4C01 Outside temperature sensor
CEM-4C02 Outside temperature sensor
CEM-4E24 Malfunction indicator lamp (MIL)
CEM-4E25 Malfunction indicator lamp (MIL)
CEM-4F00 Reset button
CEM-4F01 Read button
CEM-4F30 Battery temperature
CEM-4F31 Battery temperature
CEM-4F32 Battery temperature
CEM-4F40 Seat belt buckle, right rear seat
CEM-4F41 Light emitting diode, left camera module
CEM-4F41 Seat belt buckle, right rear seat
CEM-4F42 Light emitting diode, right camera module
CEM-4F42 Seat belt buckle, rear right-hand
CEM-4F43 Light emitting diode, left camera module
CEM-4F44 Light emitting diode, right camera module
CEM-4F44 Seat belt buckle, rear center
CEM-4F45 Light emitting diode, left camera module
CEM-4F45 Seat belt buckle, rear center
CEM-4F46 Light emitting diode, right camera module
CEM-4F46 Seat belt buckle, rear center
CEM-4F47 Left camera module
CEM-4F48 Right camera module (RCM)
CEM-4F48 Seat belt buckle, rear left-hand
CEM-4F49 Seat belt buckle, rear left-hand
CEM-4F4A Seat belt buckle, rear left-hand
CEM-4F81 Lamp, seat belt reminder
CEM-4F82 Lamp, seat belt reminder
CEM-4F90 Seat belt reminder
CEM-4F91 Seat belt reminder
CEM-4F92 Seat belt reminder
CEM-4F93 Seat belt reminder
CEM-5A00 Sun sensor
CEM-5A01 Sun sensor
CEM-5A10 Blower fan motor
CEM-5A12 Blower fan motor
CEM-5A13 Blower fan motor
CEM-5A15 Blower fan motor
CEM-5A60 PTC heater
CEM-5A61 PTC heater

CEM-5B01 LH heating element
 CEM-5B02 RH heating element
 CEM-5B05 Left seat heater
 CEM-5B06 Right seat heater
 CEM-5B07 Left seat heater
 CEM-5B08 Right seat heater
 CEM-5B09 Communication seat heater module
 CEM-5B10 Communication seat heater module
 CEM-5E01 Sun sensor
 CEM-5E02 Sun sensor
 CEM-5F11 Relay, auxiliary heater
 CEM-5F13 Relay, auxiliary heater
 CEM-5F31 Engine coolant temperature sensor
 CEM-5F32 Engine coolant temperature sensor
 CEM-5F36 Flame indicator
 CEM-5F36 Flame sensor
 CEM-5F37 Factory set DTC
 CEM-5F39 Flame indicator
 CEM-5F39 Flame sensor
 CEM-5F3A Water pump
 CEM-5F3B Water pump
 CEM-5F3C Combustion fan
 CEM-5F3D Combustion fan
 CEM-5F3E Combustion fan
 CEM-5F3F Fuel pump
 CEM-5F40 Fuel pump
 CEM-5F41 Overheat thermostat
 CEM-5F42 Power supply
 CEM-5F43 Power supply
 CEM-5F46 Glow plugs
 CEM-5F47 Control module power supply
 CEM-5F4C Power supply
 CEM-5F4C Undervoltage
 CEM-5F4D OBD system
 CEM-5F4F Start attempt
 CEM-5F50 Overheat thermostat
 CEM-6A01 Rear left door unlocked
 CEM-6A02 Rear right door unlocked
 CEM-6A03 Rear left door locked
 CEM-6A04 Rear right door locked
 CEM-6C05 Central locking driver's door
 CEM-6C06 Central locking passenger door
 CEM-6C07 Central locking left-hand rear door
 CEM-6C08 Central locking right-hand rear door
 CEM-6C11 Glass breakage loop, rear windows
 CEM-6C12 Glass breakage loop, rear windows
 CEM-6C13 Deadlock, driver's door
 CEM-6C14 Deadlock, passenger door
 CEM-6C15 Deadlock, left-hand rear door
 CEM-6C16 Deadlock, right-hand rear door
 CEM-6C17 Glass breakage loop
 CEM-6C18 Glass breakage loop
 CEM-6C19 Child-proof lock, left-hand rear door
 CEM-6C20 Child-proof lock, right-hand rear door
 CEM-6C28 Alarm LED
 CEM-6C29 Alarm LED
 CEM-6C30 Siren
 CEM-6C31 Siren
 CEM-6C32 Movement sensor
 CEM-6C33 Movement sensor
 CEM-6C34 Switch reduced alarm
 CEM-6C41 Antenna/light ring wire clock-signal (ICK)
 CEM-6C41 Antenna/light ring-clock signal cable
 CEM-6C41 Start control module (SCU)
 CEM-6C42 Antenna / light ring - clock signal cable
 CEM-6C42 Antenna/light ring wire clock-signal (ICK)
 CEM-6C42 Start control module (SCU)
 CEM-6C43 Antenna / light ring - data communication cable
 CEM-6C43 Antenna/light ring wire data communication (IDS)
 CEM-6C43 Start control module (SCU)
 CEM-6C44 Antenna / light ring - data communication cable
 CEM-6C44 Antenna/light ring wire data communication (IDS)
 CEM-6C44 Steering column lock module (SCL)
 CEM-6C45 Steering column lock module (SCL)
 CEM-6C45 Antenna/light ring
 CEM-6C46 Antenna / light ring
 CEM-6C46 Steering column lock module (SCL)
 CEM-6C47 Steering column lock module (SCL)
 CEM-6C48 Transponder type
 CEM-6C49 Steering column lock module (SCL)
 CEM-6C49 Transponder communication
 CEM-6C50 Steering column lock module (SCL)
 CEM-6C51 Steering column lock module (SCL)
 CEM-6C52 Steering column lock module (SCL)
 CEM-6C53 Steering column lock module (SCL)
 CEM-6C54 ECM communication
 CEM-6C56 Steering column lock module (SCL)
 CEM-6D01 Relay, window lift LR up
 CEM-6D03 Relay, window lift LR up
 CEM-6D04 Relay, window lift LR down
 CEM-6D06 Relay, window lift LR down
 CEM-6D07 Relay, window lift RR up
 CEM-6D09 Relay, window lift RR up
 CEM-6D0A Relay, window lift RR down
 CEM-6D0C Relay, window lift RR down
 CEM-6D0D Relay, child safety blocking
 CEM-6D0F Relay, child safety blocking
 CEM-6E01 Switch, fuel tank filler cover
 CEM-6F01 Cruise control ON/OFF button
 CEM-6F02 Cruise control Set+ button
 CEM-6F03 Cruise control Set- button
 CEM-6F04 Cruise control, Resume button
 CEM-6F05 Cruise control, Cancel button
 CEM-6F06 Cruise control
 CEM-6F07 Cruise control
 CEM-6F10 Sun roof
 CEM-6F11 Sun roof
 CEM-6F12 Sun roof
 CEM-6F13 Sun roof
 CEM-6F51 Tailgate handle
 CEM-6F52 Tailgate handle
 CEM-6F53 Tailgate handle
 CEM-6F71 Switch, fuel tank filler cover
 CEM-6F83 Dimmer
 CEM-6F85 Dimmer
 CEM-6F86 Fuel tank filler cap
 CEM-6F87 Fuel tank filler cap
 CEM-7A01 Scan- button

CEM-7A02 Scan+ button
 CEM-7A03 Scan- button
 CEM-7A04 Volume+ button
 CEM-7A05 Phone YES button
 CEM-7A06 Phone NO button
 CEM-7A07 RTI Right button
 CEM-7A08 RTI Left button
 CEM-7A09 RTI Down button
 CEM-7A0A RTI Up button
 CEM-7A0B RTI Back button
 CEM-7A0C RTI Enter button
 CEM-8A01 Invalid switch position for light switch
 CEM-8A02 Main beam relay
 CEM-8A02 Relay, high beam
 CEM-8A03 Relay, high beam
 CEM-8A04 Main beam relay
 CEM-8A05 Dipped headlamp relay
 CEM-8A07 Dipped headlamp relay
 CEM-8A08 Extra lamp relay
 CEM-8A08 Low beam right
 CEM-8A09 Low beam right
 CEM-8A0A Extra lamp relay
 CEM-8A0B Relay, daytime running lamp
 CEM-8A0C Relay, daytime running lamp
 CEM-8A11 Low beam left
 CEM-8A12 Low beam left
 CEM-8A20 GDL left-hand
 CEM-8A20 Low beam left
 CEM-8A21 GDL left-hand
 CEM-8A21 Low beam right
 CEM-8A22 GDL left-hand
 CEM-8A23 GDL right-hand
 CEM-8A24 GDL left-hand
 CEM-8A25 GDL right-hand
 CEM-8A26 GDL left-hand
 CEM-8A27 GDL right-hand
 CEM-8A28 GDL left-hand
 CEM-8A29 GDL right-hand
 CEM-8A30 Daytime running lamps, left
 CEM-8A30 GDL left-hand
 CEM-8A31 Daytime running lamps, right
 CEM-8A31 GDL left-hand
 CEM-8A32 GDL right-hand
 CEM-8A32 High beam flash
 CEM-8A33 GDL left-hand
 CEM-8A34 GDL right-hand
 CEM-8A35 GDL left-hand
 CEM-8A36 GDL right-hand
 CEM-8A37 GDL left-hand
 CEM-8A38 GDL right-hand
 CEM-8A39 GDL left-hand
 CEM-8A40 GDL left-hand
 CEM-8B01 Parking lamps
 CEM-8B01 Position lamp relay
 CEM-8B02 Left parking lamps
 CEM-8B03 Left parking lamps
 CEM-8B03 Position lamp relay
 CEM-8B05 Right parking lamps
 CEM-8B06 Right parking lamps
 CEM-8B08 Light switch module (LSM)
 CEM-8B09 Light switch module (LSM)
 CEM-8C10 Relay, front fog lamps
 CEM-8C11 Front fog lamp switch
 CEM-8C11 Relay, front fog lamps
 CEM-8C11 Switch, front fog lamps
 CEM-8C12 Rear fog lamp switch
 CEM-8C13 Front fog lamp relay
 CEM-8C15 Front fog lamp relay
 CEM-8C20 Rear fog lamp
 CEM-8C21 Rear fog lamp
 CEM-8D01 Ignition lock light and extra brake light
 CEM-8D01 Ignition switch lighting and high-mounted stop lamp (LED)
 CEM-8D01 Stop lamp switch
 CEM-8D01 Stop lamps
 CEM-8D02 Stop lamps
 CEM-8D03 High level stop lamp
 CEM-8D04 High level stop lamp
 CEM-8D05 Right-hand stop lamp
 CEM-8D06 Right-hand stop lamp
 CEM-8D07 Left-hand stop lamp
 CEM-8D08 Left-hand stop lamp
 CEM-8E01 Back-up [reversing] lamp switch
 CEM-8E01 Reversing light
 CEM-8F01 Switch, hazard warning signal flashers
 CEM-8F01 Warning flasher and glovebox light
 CEM-8F02 Left direction indicator
 CEM-8F02 Switch, hazard warning signal flashers
 CEM-8F02 Left-hand turn signal lamp
 CEM-8F03 Right direction indicator
 CEM-8F03 Right-hand turn signal lamp
 CEM-8F04 Turn signal lamp
 CEM-8F05 Switch, hazard warning signal flashers
 CEM-8F06 Switch, hazard warning signal flashers
 CEM-8F07 Switch, hazard warning signal flashers
 CEM-8F08 Engine control module (ECM)
 CEM-8F09 Engine control module (ECM)
 CEM-8F11 CEM Headlamp beam height control
 CEM-8F11 Light width control
 CEM-8F12 Beam setting control
 CEM-8F12 CEM Headlamp beam height control
 CEM-8F13 LSM Headlamp beam height control
 CEM-8F13 Light width control
 CEM-8F14 LSM Headlamp beam height control
 CEM-8F14 Light width control
 CEM-8F15 Xenon lamp left
 CEM-8F16 Xenon lamp left
 CEM-8F17 Xenon lamp left
 CEM-8F18 Xenon lamp left
 CEM-8F19 Xenon lamp right
 CEM-8F1A Xenon lamp right
 CEM-8F1B Xenon lamp right
 CEM-8F1C Xenon lamp right
 CEM-8F1D X-supply relay circuit
 CEM-8F21 Windshield wiper
 CEM-8F21 Wiper motor module (WMM)
 CEM-8F21 Wipers
 CEM-8F22 Windshield wiper
 CEM-8F22 Wiper motor module (WMM)
 CEM-8F22 Wipers
 CEM-8F23 Relay, windshield wiper
 CEM-8F23 Wiper motor module (WMM)

CEM-8F24 Wiper motor module (WMM)
 CEM-8F25 Relay, windshield wiper
 CEM-8F25 Relay, windshield wiper
 CEM-8F26 Relay, front windshield washer motor
 CEM-8F26 Windshield wiper, high speed relay
 CEM-8F27 Relay, front windshield washer motor
 CEM-8F28 Tailgate washer motor relay
 CEM-8F28 Windshield wiper, high speed relay
 CEM-8F29 Relay, front screen washer motor
 CEM-8F29 Tailgate washer motor relay
 CEM-8F2B Windshield washer motor, relay
 CEM-8F2C Windshield wiper
 CEM-8F2C Wipers
 CEM-8F2D Windshield wiper
 CEM-8F2D Wipers
 CEM-8F2E Windshield wiper
 CEM-8F2E Wipers
 CEM-8F30 Relay, headlamp wash / wipe
 CEM-8F30 Windshield wiper lever
 CEM-8F31 Relay, headlamp wash / wipe
 CEM-8F31 Windshield wiper lever
 CEM-8F32 Windshield wiper lever
 CEM-8F33 Right-hand turn signal lamp
 CEM-8F34 Right-hand turn signal lamp
 CEM-8F37 Left-hand turn signal lamp
 CEM-8F38 Left-hand turn signal lamp
 CEM-8F41 Relay, tailgate wiper
 CEM-8F41 Tailgate washer motor relay
 CEM-8F42 Relay, tailgate wiper
 CEM-8F43 Tailgate washer motor relay
 CEM-8F44 Windshield wiper lever
 CEM-8F45 Windshield wiper lever
 CEM-8F51 Relay, headlamp wash / wipe
 CEM-8F52 Relay, headlamp wash / wipe
 CEM-8F61 Relay, heated rear windshield
 CEM-8F62 Relay, heated rear windshield
 CEM-8FA1 Relay, horn
 CEM-8FA2 Relay, horn
 CEM-8FA3 Relay, signal horn
 CEM-8FB1 Rain sensor module (RSM)
 CEM-8FB2 Rain sensor module (RSM)
 CEM-8FF0 Rain sensor button
 CEM-8FF1 Light emitting diode, Rain sensor button
 CEM-9A01 Interior lighting
 CEM-9A02 Interior lighting
 CEM-9C01 Glove compartment lighting
 CEM-9C02 Antenna / light ring
 CEM-9C03 Antenna / light ring
 CEM-9E01 Entrance lighting
 CEM-9F20 Twilight sensor
 CEM-9F21 Twilight sensor
 CEM-9F24 Rheostat
 CEM-9F25 Rheostat
 CEM-9F31 Dimmer
 CEM-9F32 Dimmer
 CEM-DD00 (A) LIN bus 2
 CEM-DD00 (B) LIN bus 3
 CEM-DD00 Communication with LSM
 CEM-DD01 (A) LIN bus 2
 CEM-DD01 (B) LIN bus 3
 CEM-DD01 Communication with LSM
 CEM-DD02 (A) LIN bus 1
 CEM-DD02 (B) LIN bus 3
 CEM-DD02 Communication LSM
 CEM-DD10 (A) Communication SCL
 CEM-DD10 (B) Communication RRX module
 CEM-DD10 Communication LSM
 CEM-DD11 (A) Communication SCU
 CEM-DD11 (B) Communication SCM
 CEM-DD11 Communication CPM
 CEM-DD12 Communication left-hand GDL
 CEM-DD13 Communication right-hand GDL
 CEM-DD20 LIN bus 9
 CEM-DD20 LIN-bus 2
 CEM-DD21 LIN bus 9
 CEM-DD21 LIN-bus 2
 CEM-DD22 LIN bus 9
 CEM-DD22 LIN-bus 2
 CEM-DD30 Communication with ACM
 CEM-DD30 Communication with WMM
 CEM-DD31 Communication with LCM
 CEM-DD31 Communication with RSM
 CEM-DD32 Communication with LCM
 CEM-DD40 Communication with SWM
 CEM-DD41 Communication with SWM
 CEM-DD42 Communication with SWM
 CEM-DD50 Communication with SWM
 CEM-DD51 Communication with SWM
 CEM-DD52 Communication with SWM
 CEM-DE01 Communication with BCM
 CEM-DE0B Communication with ADM
 CEM-DE11 Communication with ECM
 CEM-DE18 Communication with CPM
 CEM-DE23 Communication with TRM
 CEM-DE29 Communication with CCM
 CEM-DE2E Communication with PSM
 CEM-DE30 Communication with EPS
 CEM-DE43 Communication with DDM
 CEM-DE45 Communication with PDM
 CEM-DE49 Communication with SVWM
 CEM-DE51 Communication with DIM
 CEM-DE52 Communication with AEM
 CEM-DE54 Communication with ICM
 CEM-DE58 Communication with SRS
 CEM-DE63 communication with PAM
 CEM-DE64 Communication with PHM
 CEM-DE6E Communication with TCM
 CEM-DF01 CAN-H, low speed network
 CEM-DF03 CAN-H, low speed network
 CEM-DF03 CAN-H, low-speed network
 CEM-DF03 CAN-H, low-speed network
 CEM-DF04 CAN-L, low speed network
 CEM-DF05 CAN-H, low speed network
 CEM-DF06 CAN-L, low speed network
 CEM-DF07 CAN-H, low speed network
 CEM-DF07 CAN-L, low speed network
 CEM-DF11 CAN-H, high speed network
 CEM-DF13 CAN-H, high speed network
 CEM-DF14 CAN-L, high speed network
 CEM-DF15 CAN-H, high speed network
 CEM-DF16 CAN-L, high speed network
 CEM-DF17 CAN-H, high speed network

CEM-DF17 CAN-L, high speed network
CEM-E000 Communication control module
CEM-E001 Communication control module

CPM

CPM-0018 Glow plugs
CPM-0102 Glow plugs
CPM-0204 Glow plugs
CPM-0318 Fuel pump
CPM-0402 Fuel pump
CPM-0504 Fuel pump
CPM-1001 Combustion fan
CPM-1128 Combustion fan
CPM-1204 Combustion fan
CPM-1308 Combustion fan
CPM-1418 Water pump
CPM-1502 Water pump
CPM-1604 Water pump
CPM-2308 Control module
CPM-3002 ECT sensor
CPM-3141 ECT sensor
CPM-3202 Overheat protection thermostat
CPM-3341 Overheat protection thermostat
CPM-3402 Flame sensor
CPM-3541 Flame sensor
CPM-3601 Control module
CPM-3702 Control module
CPM-4001 Engine coolant heater
CPM-4101 Engine coolant heater
CPM-4208 Engine coolant heater
CPM-4308 Engine coolant heater
CPM-4501 Combustion fan
CPM-5001 Control module
CPM-5101 Control module
CPM-5201 Control module
CPM-5301 Control module
CPM-5401 Control module
CPM-5601 Control module
CPM-5701 Control module
CPM-6008 Control module
CPM-6108 Control module
CPM-6208 Control module
CPM-6301 Control module
CPM-6408 Control module
CPM-6508 Control module
CPM-8602 Control module
CPM-8704 Control module
CPM-E001 Control module communication
CPM-E003 Configuration fault
CPM-E010 Control module

DDM

DDM-0012 Control, driver's window
DDM-0013 Control, passenger window
DDM-0014 Control, left rear side window
DDM-0015 Control, right rear side window
DDM-0016 Child-proof lock
DDM-0017 Control panel, driver's window
DDM-0019 Lock, driver's door
DDM-001A Driver's door lock
DDM-001B Driver's door lock

DDM-001D Central locking button
DDM-0020 Control, door mirror
DDM-0021 Control, door mirror
DDM-0022 Control, door mirror selector
DDM-0023 Control, door mirror selector
DDM-0034 Driver-side window control
DDM-0035 Passenger-side window control
DDM-0036 Control, left rear side window
DDM-0037 Control, right rear side window
DDM-0038 Control, door mirror
DDM-0039 Child-proof lock
DDM-003B Control, driver's window
DDM-003C Passenger-side window control
DDM-003D Rear left side-window control
DDM-003E Rear right side-window control
DDM-003F Rear-view mirror control
DDM-0040 Rear-view mirror selector control
DDM-0041 Door warning lamp
DDM-0042 Door warning lamp
DDM-0044 Door mirror lamp
DDM-0045 Door mirror lamp
DDM-0047 Power supply
DDM-0049 Control module
DDM-004A Outside temperature sensor
DDM-004B Outside temperature sensor
DDM-004C Control module
DDM-004D Control module
DDM-E001 Control module communication
DDM-E003 Configuration fault

DEM

DEM 0006 Feed pump
DEM 000B Oil pressure
DEM-0001 Temperature sensor
DEM-0002 Pressure sensor
DEM-0003 System voltage
DEM-0005 Control valve
DEM-0007 Hydraulic pressure
DEM-0008 Control module calibration fault
DEM-0009 Ctrl module Analog/Digital converter
DEM-000A Power supply. Faulty voltage
DEM-000C Control module
DEM-E000 Control module communication
DEM-E003 Configuration fault

DIM

DIM-0001 Driving distance
DIM-0001 Mileage
DIM-0001 Vehicle speed signal
DIM-0002 ABS warning lamp
DIM-0002 Fuel level sensor
DIM-0003 Fuel level sensor
DIM-0003 SRS warning lamp
DIM-0004 Fuel level sensor
DIM-0005 Engine coolant temperature (ECT) sensor signal
DIM-0005 Red general warning lamp
DIM-0006 12-pulse vehicle speed signal
DIM-0006 Orange general warning lamp
DIM-0007 12-pulse vehicle speed signal
DIM-0007 Global parameter
DIM-0008 Fuel level sensor

DIM-0009 Fuel ejector
DIM-000A D+ signal
DIM-000B Outside temperature sensor
DIM-000C Control module
DIM-000D Communication ECM
DIM-000E Control module
DIM-DF13 CAN bus H-signal
DIM-DF14 CAN bus L signal
DIM-DF15 CAN bus H signal
DIM-DF16 CAN bus L signal
DIM-E000 Communication control module
DIM-E001 Control module communication
DIM-E003 Configuration fault
DIM-E003 Software fault

ECM

ECM -0017 Glow plug relay
ECM -2000 ECT sensor
ECM -2100 Fuel pressure sensor
ECM 914C Electronic throttle module (ETM)
ECM 91AC Electronic throttle module (ETM)
ECM 91AC Electronic throttle module (ETM)
ECM 91AC Electronic throttle module (ETM)
ECM-0000 Engine speed (RPM) sensor
ECM-0000 Impulse sensor
ECM-0000 Impulse sensor
ECM-0001 Secondary engine speed
ECM-0001 Secondary speed
ECM-0001 Secondary speed.
ECM-0002 Fuel volume control valve
ECM-0002 System relay output signal
ECM-0003 Fuel volume control valve
ECM-0003 Needle lift sensor
ECM-0004 Accel pedal (AP) pos sensor
ECM-0004 Fuel volume control valve
ECM-0005 ECT sensor
ECM-0006 Air temperature sensor
ECM-0008 Fuel temperature sensor
ECM-0009 Boost pressure sensor
ECM-0009 Charging pressure sensor
ECM-000A Atmospheric pressure signal of control unit
ECM-000B Mass air flow (MAF) sensor
ECM-000D Reference voltage of control unit
ECM-000F Microprocessor of control unit
ECM-0011 Injection timing control
ECM-0012 A/C linear pressure sensor
ECM-0014 A/C-relay
ECM-001D Turbo charger (TC) control valve
ECM-001E EGR controller
ECM-0020 Injection timing valve
ECM-0021 Fuel cut-off valve
ECM-0022 Brake pedal position sensor
ECM-0023 Clutch pedal position sensor
ECM-0024 Engine coolant heater relay 1+2
ECM-0025 Control unit memory fault
ECM-0028 System relay
ECM-0029 Fuel quantity control
ECM-002A 15-supply to the control module
ECM-002C Fuel quantity
ECM-002F Fuel quantity regulator position sensor
ECM-0030 Front HO2S, bank 1 heating

ECM-0030 Temperature sensor of control unit
ECM-0031 Front HO2S, bank 1 heating
ECM-0032 Engine cooling fan control module
ECM-0032 Front HO2S, bank 1 heating
ECM-0033 Accel pedal (AP) pos sensor
ECM-0033 Bypass valve, charge air cooler (CAC)
ECM-0034 Bypass valve, charge air cooler (CAC)
ECM-0035 Bypass valve, charge air cooler (CAC)
ECM-0036 Rear HO2S, bank 1 heating
ECM-0037 Rear HO2S, bank 1 heating
ECM-0038 Rear HO2S, bank 1 heating
ECM-0039 Turbocharger (TC) control system
ECM-003A Alternator charging
ECM-003A Generator (GEN) charging
ECM-003B Central electronic module (CEM)
ECM-003C Transmission control module (TCM)
ECM-0046 Turbocharger (TC) control valve
ECM-0047 Turbocharger (TC) control valve
ECM-0048 Turbocharger (TC) control valve
ECM-0053 Front HO2S, bank 1 heating
ECM-0054 Rear HO2S, bank 1 heating
ECM-0069 Boost pressure sensor
ECM-0070 Outside temperature sensor
ECM-0089 Fuel pressure control valve
ECM-0091 Fuel pressure control valve
ECM-0092 Fuel pressure control valve
ECM-0097 IAT sensor
ECM-0098 IAT sensor
ECM-0099 IAT sensor
ECM-0100 Air flow sensor
ECM-0101 Mass air flow (MAF) sensor
ECM-0104 Mass air flow (MAF) sensor
ECM-0105 Atmospheric pressure sensor
ECM-0105 MAP sensor
ECM-0106 Boost pressure sensor
ECM-0106 MAP sensor
ECM-0107 MAP sensor
ECM-0108 MAP sensor
ECM-0109 MAP sensor
ECM-010F Mass air flow (MAF) sensor
ECM-0110 IAT sensor
ECM-0112 IAT sensor
ECM-0112 Mass air flow (MAF) sensor
ECM-0113 IAT sensor
ECM-0113 Mass air flow (MAF) sensor
ECM-0114 Mass air flow (MAF) sensor
ECM-0115 ECT sensor
ECM-0116 ECT sensor
ECM-0117 ECT sensor
ECM-0118 ECT sensor
ECM-0119 ECT sensor
ECM-0120 Throttle position sensor, channel 1
ECM-0120 Throttle unit, potentiometer 1
ECM-0121 Electronic throttle unit, potentiometer 1
ECM-0122 Accelerator pedal (AP) position sensor
ECM-0122 Electronic throttle unit, potentiometer 1
ECM-0123 Accelerator pedal (AP) position sensor
ECM-0123 Electronic throttle unit, potentiometer 1
ECM-0125 Lambda probe signal
ECM-0130 Front HO2S, bank 1
ECM-0130 Front lambda probe

ECM-0131 Front HO2S, bank 1
 ECM-0132 Front HO2S, bank 1
 ECM-0133 Front HO2S, bank 1
 ECM-0134 Front HO2S, bank 1
 ECM-0135 Front HO2S, bank 1
 ECM-0135 Front lambda probe, pre-heating
 ECM-0136 Rear HO2S, bank 1
 ECM-0136 Rear lambda probe, signal
 ECM-0137 Rear HO2S, bank 1
 ECM-0138 Rear HO2S, bank 1
 ECM-0139 Rear HO2S, bank 1
 ECM-0140 Rear HO2S, bank 1
 ECM-0141 Rear HO2S, bank 1
 ECM-0141 Rear lambda probe, pre-heating
 ECM-0170 Lambda integrator
 ECM-0170 Long-term fuel trim, bank 1
 ECM-0171 Long-term fuel trim, bank 1
 ECM-0172 Long-term fuel trim, bank 1
 ECM-0182 Fuel temperature sensor
 ECM-0183 Fuel temperature sensor
 ECM-0184 Fuel temperature sensor
 ECM-0190 Fuel pressure sensor
 ECM-0191 Fuel pressure sensor
 ECM-0192 Fuel pressure sensor
 ECM-0193 Fuel pressure sensor
 ECM-0194 Fuel pressure sensor
 ECM-0200 Fuel injection system driver
 ECM-0201 Injection valve 1
 ECM-0202 Injection valve 2
 ECM-0203 Injection valve 3
 ECM-0204 Injection valve 4
 ECM-0220 Accel pedal position sensor, channel 1
 ECM-0220 Throttle unit, potentiometer 2
 ECM-0221 Electronic throttle unit, potentiometer 2
 ECM-0222 Accelerator pedal (AP) position sensor
 ECM-0222 Electronic throttle unit, potentiometer 2
 ECM-0223 Accelerator pedal (AP) position sensor
 ECM-0223 Electronic throttle unit, potentiometer 2
 ECM-0225 Throttle position sensor
 ECM-0230 Fuel pump (FP)
 ECM-0231 Fuel pump (FP)
 ECM-0232 Fuel pump (FP)
 ECM-0234 Turbocharger (TC) control
 ECM-0236 Boost pressure sensor (MAP)
 ECM-0237 Boost pressure sensor (MAP)
 ECM-0238 Boost pressure sensor (MAP)
 ECM-0261 Injector cyl 1
 ECM-0262 Injector cyl 1
 ECM-0264 Injector cyl 2
 ECM-0265 Injector cyl 2
 ECM-0267 injector cyl 3
 ECM-0268 Injector cyl 3
 ECM-0270 Injector cyl 4
 ECM-0271 Injector cyl 4
 ECM-0299 Turbocharger (TC) control
 ECM-0300 Misfire, at least one cylinder
 ECM-0301 Misfiring, cylinder 1
 ECM-0302 Misfiring, cylinder 2
 ECM-0303 Misfiring, cylinder 3
 ECM-0304 Misfiring, cylinder 4
 ECM-0315 Impulse sensor
 ECM-0320 Engine speed (RPM) sensor signal
 ECM-0324 Knock sensor (KS)
 ECM-0325 Knock sensor
 ECM-0335 Engine speed (RPM) sensor
 ECM-0335 Impulse sensor
 ECM-0336 Engine speed (RPM) sensor
 ECM-0340 Camshaft position (CMP) sensor
 ECM-0341 Camshaft position (CMP) sensor
 ECM-0351 Ignition coil cyl 1
 ECM-0352 Ignition coil cyl 2
 ECM-0353 Ignition coil cyl 3
 ECM-0354 Ignition coil cyl 4
 ECM-0380 Glow plug relay
 ECM-0400 EGR control
 ECM-0403 EGR control servo
 ECM-0405 Position sensor (EGR)
 ECM-0406 Position sensor (EGR)
 ECM-0420 TWC efficiency, bank 1
 ECM-0425 Catalytic converter temperature sensor
 ECM-0426 Front temp sensor, catalytic converter
 ECM-0427 Front temp sensor, catalytic converter
 ECM-0428 Front temp sensor, catalytic converter
 ECM-042B Rear temp sensor, catalytic converter
 ECM-042C Rear temp sensor, catalytic converter
 ECM-042D Rear temp sensor, catalytic converter
 ECM-0443 EVAP valve
 ECM-0444 EVAP valve
 ECM-0458 EVAP valve
 ECM-0459 EVAP valve
 ECM-0460 Fuel level sensor
 ECM-0480 Engine cooling fan (FC)
 ECM-0489 EGR control
 ECM-0490 EGR control
 ECM-0500 Vehicle speed signal
 ECM-0504 Brake pedal sensor
 ECM-0504 Stop lamp switch
 ECM-0513 Immobilizer
 ECM-0530 A/C pressure switch (Pressostat)
 ECM-0532 A/C pressure sensor
 ECM-0533 A/C pressure sensor
 ECM-0551 Power steering
 ECM-0562 Battery voltage
 ECM-0562 System voltage
 ECM-0563 Battery voltage
 ECM-0571 Brake pedal sensor
 ECM-0571 Stop lamp switch
 ECM-0572 Brake pedal position sensor
 ECM-0573 Brake pedal position sensor
 ECM-0575 Cruise control
 ECM-0578 Cruise control
 ECM-0579 Cruise control
 ECM-0603 Engine control module (ECM)
 ECM-0604 Engine control module (ECM)
 ECM-0605 Engine control module (ECM)
 ECM-0606 Engine control module (ECM)
 ECM-0607 Engine control module (ECM)
 ECM-060A Engine control module (ECM)
 ECM-060B Engine control module (ECM)
 ECM-060C Engine control module (ECM)
 ECM-060C Fuel injection system driver
 ECM-060D Accelerator pedal (AP) position sensor

ECM-0610 Engine control module (ECM)
 ECM-0617 Starter motor relay
 ECM-061A Engine speed (RPM) signal
 ECM-061B Engine control module (ECM)
 ECM-061C Engine control module (ECM)
 ECM-061C Engine speed (RPM) signal
 ECM-061E Communication SWM
 ECM-0620 Generator
 ECM-0622 Generator
 ECM-0625 Generator
 ECM-0626 Generator
 ECM-062B Fuel injection system driver
 ECM-062F Engine control module (ECM)
 ECM-0641 Reference voltage A
 ECM-0642 Power supply 1
 ECM-0642 Reference voltage A
 ECM-0643 Power supply 1
 ECM-0643 Reference voltage A
 ECM-0645 Air conditioning (A/C) relay
 ECM-0646 Air conditioning (A/C) relay
 ECM-0647 Air conditioning (A/C) relay
 ECM-0651 Reference voltage B
 ECM-0652 Power supply 2
 ECM-0652 Reference voltage B
 ECM-0653 Power supply 2
 ECM-0653 Reference voltage B
 ECM-0685 Engine control module (ECM)
 ECM-0685 System relay
 ECM-0686 Engine control module (ECM)
 ECM-0686 System relay
 ECM-0687 Engine control module (ECM)
 ECM-0687 System relay
 ECM-0691 Engine cooling fan
 ECM-0692 Engine cooling fan
 ECM-0703 Brake pedal sensor
 ECM-0704 Clutch pedal position sensor
 ECM-0A09 Transformer
 ECM-0A10 Transformer
 ECM-1000 Atmospheric pressure sensor
 ECM-1000 Engine control module (ECM)
 ECM-1001 Engine control module (ECM)
 ECM-100A Engine control module (ECM)
 ECM-1100 Outside temperature sensor
 ECM-110A Outside temperature sensor
 ECM-1111 Accelerator pedal position sensor
 ECM-1112 Impulse sensor
 ECM-1112 Intake Air Temperature (IAT) Sensor
 ECM-1113 Needle lift sensor
 ECM-1114 Secondary speed
 ECM-1116 ECT sensor
 ECM-1117 ECT sensor
 ECM-1121 Engine temperature sensor
 ECM-1122 Air temperature sensor inlet
 ECM-1123 Fuel temperature sensor
 ECM-1124 Atmospheric pressure
 ECM-1127 Heated oxygen sensor (HO2S)
 ECM-112C Atmospheric pressure sensor
 ECM-112D Atmospheric pressure sensor
 ECM-1130 Atmospheric pressure sensor
 ECM-1130 Front HO2S, bank 1
 ECM-1131 Front HO2S, bank 1
 ECM-1131 Mass air flow sensor
 ECM-1132 Front HO2S, bank 1
 ECM-1132 Speed signal
 ECM-1133 Battery voltage
 ECM-1134 Engine control module
 ECM-1137 Rear HO2S, bank 1
 ECM-1138 Rear HO2S, bank 1
 ECM-113B Atmospheric pressure sensor
 ECM-113C Atmospheric pressure sensor
 ECM-113D Atmospheric pressure sensor
 ECM-1142 Brake pedal switch
 ECM-1144 Cruise control switch
 ECM-1200 Injector output stage
 ECM-1200 IAT sensor
 ECM-1201 Fuel injection system driver
 ECM-1202 Fuel injection system driver
 ECM-1203 Fuel injection system driver
 ECM-1204 Fuel injection system driver
 ECM-120A Intake air temperature (IAT) sensor
 ECM-120C Mass air flow
 ECM-120D Intake air temperature (IAT) sensor
 ECM-120E Fuel pressure sensor
 ECM-120F Fuel pressure control valve
 ECM-1210 Mass air flow (MAF) sensor
 ECM-1213 Fuel injection system driver
 ECM-121B Mass air flow (MAF) sensor
 ECM-121C Mass air flow (MAF) sensor
 ECM-121D Mass air flow (MAF) sensor
 ECM-1220 Electronic throttle module
 ECM-1221 Electronic throttle module signal
 ECM-1223 Electr throttle module communication
 ECM-1224 Electronic throttle module, servo 1
 ECM-1225 Accel pedal position sensor, channel 2
 ECM-1228 Electronic throttle module, servo 2
 ECM-122C Mass air flow (MAF) sensor
 ECM-122D Mass air flow (MAF) sensor
 ECM-1230 Mass air flow
 ECM-123B Mass air flow
 ECM-1246 Generator (GEN)
 ECM-125C Boost pressure sensor
 ECM-125D Boost pressure sensor
 ECM-1260 Boost pressure sensor
 ECM-1260 Immobilizer
 ECM-126B Boost pressure sensor
 ECM-126C Boost pressure sensor
 ECM-126D Boost pressure sensor
 ECM-1300 Mass air flow (MAF) sensor
 ECM-130A Intake air leakage
 ECM-130A Mass air flow (MAF) sensor
 ECM-130C Mass airflow (MAF) sensor
 ECM-1310 Mass airflow meter
 ECM-131C IAT sensor
 ECM-131D IAT sensor
 ECM-1320 IAT sensor
 ECM-1320 Mass airflow meter
 ECM-132C IAT sensor
 ECM-132D IAT sensor
 ECM-1335 EGR control
 ECM-135F Mass air flow sensor
 ECM-136F Mass air flow (MAF) sensor
 ECM-13AD Air temperature sensor

ECM-1400 Boost pressure sensor
 ECM-1400 Intake pressure sensor
 ECM-1400 MAP sensor
 ECM-1408 EGR control
 ECM-1409 EGR control
 ECM-140A Boost pressure sensor
 ECM-140A Intake pressure sensor
 ECM-140A MAP sensor
 ECM-140B Outside temperature sensor
 ECM-140C Outside temperature sensor
 ECM-140D Outside temperature sensor
 ECM-1410 Generator
 ECM-1410 Outside temperature sensor
 ECM-1412 EGR control
 ECM-141A EGR position sensor
 ECM-141B Outside temperature sensor
 ECM-141E Temperature sensor, catalytic converter
 ECM-1420 Generator
 ECM-1430 Generator
 ECM-1440 Generator
 ECM-1460 A/C relay
 ECM-1461 Air conditioning (A/C) pressure sensor
 ECM-1462 Air conditioning (A/C) pressure sensor
 ECM-1464 Air conditioning (A/C) pressure sensor
 ECM-1500 FR alternator
 ECM-1507 Turbo control
 ECM-150A Mass air flow (MAF) sensor
 ECM-1515 Brake vacuum sensor
 ECM-1517 Turbo control
 ECM-1549 Throttle system
 ECM-1551 Fuel injection system driver
 ECM-1552 Fuel injection system driver
 ECM-1553 Fuel injection system driver
 ECM-1554 Fuel injection system driver
 ECM-1563 Engine switch-off
 ECM-1572 Stop lamp switch/pedal position sensor
 ECM-1600 Boost pressure sensor
 ECM-1609 Ctrl module communication problems
 ECM-160A Electronic throttle module (ETM)
 ECM-1610 Immobilizer
 ECM-1631 Engine control module (ECM)
 ECM-1632 Generator
 ECM-1639 Engine control module (ECM)
 ECM-1656 Ctrl module communication problems
 ECM-1667 Fuel injection system driver
 ECM-1696 Engine control module (ECM)
 ECM-1703 Brake pedal sensor
 ECM-1705 Gear position sensor
 ECM-1709 Clutch pedal position sensor
 ECM-170F Atmospheric pressure sensor / boost pressure sensor range check
 ECM-1794 Battery voltage
 ECM-1801 ECT sensor
 ECM-1802 IAT sensor
 ECM-1803 Atmospheric pressure sensor
 ECM-1804 Boost pressure sensor
 ECM-1805 Fuel temperature sensor
 ECM-1806 Mass air flow (MAF) sensor
 ECM-1807 Engine speed (RPM) sensor
 ECM-1808 CMP sensor / RPM sensor
 ECM-1809 Fuel pressure sensor
 ECM-180A Accelerator pedal (AP) position sensor 1
 ECM-180B Accelerator pedal (AP) position sensor 2
 ECM-180C EGR position sensor
 ECM-180F Power supply sensor 1
 ECM-1810 Power supply sensor 2
 ECM-1811 Vehicle speed signal
 ECM-1813 System relay
 ECM-1814 EGR valve
 ECM-1815 Turbocharger (TC) control valve
 ECM-1816 Glow plug relay
 ECM-1817 Engine cooling fan (FC) relay, 1/2 speed
 ECM-1818 Engine cooling fan (FC) relay, 1/1 speed
 ECM-181A Air conditioning (A/C) pressure sensor
 ECM-181C Glow plug indicator lamp
 ECM-181D Malfunction indicator lamp (MIL)
 ECM-181E ECT warning lamp
 ECM-1822 Fuel pressure control valve
 ECM-1826 Glow plug relay, position
 ECM-1828 Brake pedal switch
 ECM-1829 Clutch pedal switch
 ECM-182A Battery voltage
 ECM-182B Power supply +15
 ECM-182C Cruise control
 ECM-182E Injector 1
 ECM-182F Injector 4
 ECM-1830 Injector 3
 ECM-1831 Injector 2
 ECM-1834 Relay, engine coolant heater 1
 ECM-1836 Relay, engine coolant heater 2
 ECM-1837 Fuel consumption signal
 ECM-183A Injector driver
 ECM-183E Immobilizer communication
 ECM-183F Engine control module (ECM)
 ECM-1880 Engine control module (ECM)
 ECM-1881 Fuel pressure control valve
 ECM-1882 Fuel pressure
 ECM-1885 Engine control module (ECM)
 ECM-1886 Engine control module (ECM)
 ECM-1888 Engine control module (ECM)
 ECM-1889 Stop shutter
 ECM-1934 Vehicle speed signal
 ECM-1935 Stop lamp switch
 ECM-193A Engine control module (ECM)
 ECM-2000 ECT sensor
 ECM-2002 Particle filter
 ECM-2008 Throttle system
 ECM-200A ECT sensor
 ECM-200B Injector cyl 1
 ECM-200C Injector cyl 1
 ECM-200D Injector cyl 1
 ECM-200F ECT sensor
 ECM-201A Thermostat
 ECM-201B Injector cyl 2
 ECM-201C Injector cyl 2
 ECM-201D Injector cyl 2
 ECM-202B Injector cyl 3
 ECM-202C Injector cyl 3
 ECM-202D Injector cyl 3
 ECM-203B Injector cyl 4
 ECM-203C Injector cyl 4
 ECM-203D Injector cyl 4

ECM-204B Injector cyl 5
 ECM-204C Injector cyl 5
 ECM-204D Injector cyl 5
 ECM-2080 Front temp sensor, catalytic converter
 ECM-2084 Rear temp sensor, catalytic converter
 ECM-2100 Front HO2S
 ECM-2100 Fuel pressure sensor
 ECM-2100 Throttle motor
 ECM-2101 Throttle motor
 ECM-2107 Electronic throttle unit
 ECM-2108 Electronic throttle unit
 ECM-210A Front heated oxygen sensor (HO2S)
 ECM-210C Long-term fuel trim, bank 1
 ECM-210D Long-term fuel trim, bank 1
 ECM-210E Front heated oxygen sensor (HO2S)
 ECM-210F Front heated oxygen sensor (HO2S)
 ECM-2110 Electronic throttle unit
 ECM-2110 Front heated oxygen sensor (HO2S)
 ECM-2111 Electronic throttle unit
 ECM-2112 Electronic throttle unit
 ECM-2119 Electronic throttle unit
 ECM-211A Fuel pressure
 ECM-211C Long-term fuel trim, bank 2
 ECM-211D Long-term fuel trim, bank 2
 ECM-2120 Accel pedal (AP) pos sensor, circuit 1
 ECM-2120 Front heated oxygen sensor (HO2S)
 ECM-2120 Fuel pump (FP) control module
 ECM-2121 Accel pedal (AP) pos sensor, circuit 1
 ECM-2122 Accel pedal (AP) pos sensor, circuit 1
 ECM-2123 Accel pedal (AP) pos sensor, circuit 1
 ECM-2124 Accel pedal (AP) pos sensor, circuit 1
 ECM-2125 Accel pedal (AP) pos sensor, circuit 2
 ECM-2126 Accel pedal (AP) pos sensor, circuit 2
 ECM-2127 Accel pedal (AP) pos sensor, circuit 2
 ECM-2128 Accel pedal (AP) pos sensor, circuit 2
 ECM-2129 Accel pedal (AP) pos sensor, circuit 2
 ECM-212C Long-term fuel trim, bank 1
 ECM-212D Long-term fuel trim, bank 1
 ECM-2130 Fuel temperature sensor
 ECM-2135 Accel pedal (AP) pos sensor, circuit 2
 ECM-2138 Accel pedal (AP) pos sensor, circuit 2
 ECM-213C Long-term fuel trim, bank 2
 ECM-213D Long-term fuel trim, bank 2
 ECM-2141 Control valve inlet
 ECM-2142 Control valve inlet
 ECM-216C Long-term fuel trim, bank 1
 ECM-216D Long-term fuel trim, bank 1
 ECM-2176 Throttle unit motor
 ECM-217C Long-term fuel trim, bank 2
 ECM-217D Long-term fuel trim, bank 2
 ECM-21AC Long-term fuel trim load, bank 1
 ECM-21AD Long-term fuel trim load, bank 1
 ECM-21CC Long-term fuel trim, idling, bank 1
 ECM-21CD Long-term fuel trim, idling, bank 1
 ECM-21EO Long-term fuel trim, bank 1
 ECM-21EB Long-term fuel trim, bank 1
 ECM-21EC Long-term fuel trim, bank 1
 ECM-21ED Long-term fuel trim, bank 1
 ECM-21FO Long-term fuel trim, bank 2
 ECM-21FB Long-term fuel trim, bank 2
 ECM-21FC Long-term fuel trim, bank 2
 ECM-21FD Long-term fuel trim, bank 2
 ECM-2200 Rear heated oxygen sensor (HO2S)
 ECM-220A Rear heated oxygen sensor (HO2S)
 ECM-220B Rear heated oxygen sensor (HO2S)
 ECM-220F Rear heated oxygen sensor (HO2S)
 ECM-2210 Rear heated oxygen sensor (HO2S)
 ECM-2211 Malfunction indicator light
 ECM-2212 Glow warning lamp
 ECM-2213 System relay
 ECM-2214 Glow plug relay control
 ECM-221B Rear HO2S ageing, bank 1
 ECM-221C Rear HO2S ageing, bank 1
 ECM-221D Rear HO2S ageing, bank 1
 ECM-2220 Rear HO2S bank 1
 ECM-2221 Injection timing valve
 ECM-2222 EGR converter
 ECM-2223 A/C-relay
 ECM-2224 Auxiliary heater relay
 ECM-2228 Atmospheric pressure sensor
 ECM-2229 Atmospheric pressure sensor
 ECM-222B Rear HO2S, bank 1
 ECM-222C Rear HO2S, bank 1
 ECM-222D Rear HO2S, bank 1
 ECM-223B Rear HO2S, bank 1
 ECM-223C Rear HO2S, bank 1
 ECM-223D Rear HO2S, bank 1
 ECM-2240 Rear HO2S, switched
 ECM-2262 Turbocharger control valve
 ECM-2263 Turbocharger (TC) control
 ECM-2297 Front HO2S, bank 1
 ECM-2299 AP pos sensor/stop lamp switch
 ECM-2299 Brake pedal sensor/AP pos sensor
 ECM-2300 Ignition coil 1
 ECM-2300 Injector cylinder 1
 ECM-2300 Rear HO2S, bank 2, heating
 ECM-2301 Ignition coil 1
 ECM-2303 Ignition coil 2
 ECM-2304 Ignition coil 2
 ECM-230A Fuel system
 ECM-2310 Injection valve, cyl 1
 ECM-2311 Injector 1
 ECM-2312 Injector 2
 ECM-2313 Injector 3
 ECM-2314 Injector 4
 ECM-2315 Injector 5
 ECM-231B Rear HO2S aging, bank 2
 ECM-231C Rear HO2S aging, bank 2
 ECM-231D Rear HO2S aging, bank 2
 ECM-2320 Injection valve, cyl 2
 ECM-2320 Rear HO2S, bank 2
 ECM-232B Rear HO2S, bank 2
 ECM-232C Rear HO2S, bank 2
 ECM-232D Rear HO2S, bank 2
 ECM-2330 Injection valve, cyl 3
 ECM-2330 Injector cylinder 4
 ECM-233B Rear HO2S, bank 2
 ECM-233C Rear HO2S, bank 2
 ECM-233D Rear HO2S, bank 2
 ECM-2340 Injection valve, cyl 4
 ECM-2340 Injector cylinder 5
 ECM-2350 Injector 5

ECM-2360 Injector 6
 ECM-23A0 Injection valve, cyl 1
 ECM-23B0 Injection valve, cyl 2
 ECM-23C0 Injection valve, cyl 3
 ECM-23D0 Injection valve, cyl 4
 ECM-23X0 Injector cylinder x
 ECM-2400 Front HO2S, bank 1, heating
 ECM-2400 Fuel pump (FP) relay
 ECM-240B Front HO2S, bank 1, heating
 ECM-240C Front HO2S, bank 1, heating
 ECM-240D Front HO2S, bank 1, heating
 ECM-2410 Fuel system
 ECM-242D Front HO2S, bank 1
 ECM-242F Particle trap
 ECM-2430 Fuel system
 ECM-243B Front HO2S, bank 1
 ECM-2440 Fuel system
 ECM-244B Front HO2S, bank 1, heating
 ECM-244C Front HO2S, bank 1, heating
 ECM-244D Front HO2S, bank 1, heating
 ECM-2450 Front HO2S, bank 1
 ECM-2452 Particle trap pressure sensor
 ECM-2453 Pressure sensor, particle filter
 ECM-2454 Pressure sensor, particle filter
 ECM-2455 pressure sensor, particle filter
 ECM-2456 Pressure sensor, particle filter
 ECM-245B Front HO2S, bank 1
 ECM-245C Front HO2S, bank 1
 ECM-245D Front HO2S, bank 1
 ECM-246B Front HO2S, bank 1
 ECM-2470 Front HO2S, bank 1
 ECM-247B Front HO2S, bank 1
 ECM-247C Front HO2S, bank 1
 ECM-248C Front HO2S, bank 1
 ECM-248D Front HO2S, bank 1
 ECM-249B Front HO2S, bank 1
 ECM-24A0 Engine Control Module (ECM)
 ECM-24A0 Switched front HO2S
 ECM-24AB Front HO2S, bank 1
 ECM-24B0 Engine Control Module (ECM)
 ECM-24B0 Front HO2S, bank 1
 ECM-24BB Front HO2S, bank 1
 ECM-24BC Front HO2S, bank 1
 ECM-24BD Front HO2S, bank 1
 ECM-24C0 Front HO2S, bank 1
 ECM-24CB Front HO2S, bank 1
 ECM-24CC Front HO2S, bank 1
 ECM-24CD Front HO2S, bank 1
 ECM-24D0 Front HO2S, bank 1
 ECM-2500 Front HO2S, bank 2, heating
 ECM-2500 Fuel pressure sensor
 ECM-2501 Fuel pressure too high
 ECM-2502 Alternator charging
 ECM-2502 Fuel pressure too high
 ECM-2503 Alternator charging
 ECM-2503 Fuel pressure too low
 ECM-2504 Alternator charging
 ECM-2504 Fuel pressure too high
 ECM-2505 Fuel pressure too low
 ECM-2509 Fuel pressure too low
 ECM-250A Long-term fuel trim
 ECM-250B Front HO2S, bank 2, heating
 ECM-250C Front HO2S, bank 2, heating
 ECM-250D Front HO2S, bank 2, heating
 ECM-2510 Fuel pressure sensor
 ECM-2510 Fuel pressure sensor
 ECM-2520 Fuel pressure
 ECM-252D Front HO2S, bank 2
 ECM-253B Front HO2S, bank 2
 ECM-2540 Fuel pressure
 ECM-254B Front HO2S, bank 2, heating
 ECM-254C Front HO2S, bank 2, heating
 ECM-254D Front HO2S, bank 2, heating
 ECM-2550 Front HO2S, bank 2
 ECM-2550 Fuel pressure too low
 ECM-255B Front HO2S, bank 2
 ECM-255C Front HO2S, bank 2
 ECM-255D Front HO2S, bank 2
 ECM-2560 Fuel pressure too high
 ECM-2564 Position sensor turbocharger (TC)
 ECM-2565 Position sensor turbocharger (TC)
 ECM-2566 Position sensor turbocharger (TC)
 ECM-256B Front HO2S, bank 2
 ECM-2570 Front HO2S, bank 2
 ECM-257B Front HO2S, bank 2
 ECM-257C Front HO2S, bank 2
 ECM-2584 Additive dosing module (ADM)
 ECM-2585 Additive dosing module (ADM)
 ECM-258C Front HO2S, bank 2
 ECM-258D Front HO2S, bank 2
 ECM-259B Front HO2S, bank 2
 ECM-25AB Front HO2S, bank 2
 ECM-25B0 Front HO2S, bank 2
 ECM-25BB Front HO2S, bank 2
 ECM-25BC Front HO2S, bank 2
 ECM-25BD Front HO2S, bank 2
 ECM-25C0 Front HO2S, bank 2
 ECM-2600 Fuel pressure sensor
 ECM-260A Fuel pressure sensor
 ECM-260A Long-term fuel trim
 ECM-2610 Fuel pump (FP) control module
 ECM-261A Fuel pressure system
 ECM-261A Long-term fuel trim
 ECM-262A Long-term fuel trim
 ECM-263A Long-term fuel trim
 ECM-2682 By-pass valve
 ECM-2683 By-pass valve
 ECM-268A Long-term fuel trim
 ECM-26F0 Fuel system
 ECM-2700 Fuel pressure sensor
 ECM-2700 Fuel system
 ECM-270A Adaptive lambda control, bank 2
 ECM-270B ECT sensor
 ECM-271A Adaptive lambda control, bank 2
 ECM-2720 ECT sensor
 ECM-272A Adaptive lambda control, bank 2
 ECM-272D ECT sensor
 ECM-273C ECT sensor
 ECM-273D ECT sensor
 ECM-2740 ECT sensor
 ECM-274D ECT sensor
 ECM-278A Adaptive lambda control, bank 2

ECM-2800 Front HO2S, bank 1
 ECM-2800 Fuel level
 ECM-2800 Fuel pressure control valve
 ECM-280A Front HO2S
 ECM-280B Fuel pressure sensor
 ECM-280C Fuel pressure sensor
 ECM-280C Switched front HO2S
 ECM-280D Fuel pressure sensor
 ECM-2810 Front HO2S, bank 1, heating
 ECM-2810 Fuel level too low
 ECM-2820 Front HO2S, bank 1, heating
 ECM-2820 HO2S bank 1, preheating
 ECM-2820 Fuel level too low
 ECM-2830 Front HO2S, bank 1
 ECM-2830 Fuel level too low
 ECM-2840 Front HO2S, bank 1
 ECM-2850 Front HO2S, bank 1
 ECM-2860 Front HO2S, bank 1
 ECM-2870 Front HO2S, bank 1
 ECM-288A Front HO2S, bank 1
 ECM-289A Front HO2S, bank 1
 ECM-28AA Front HO2S, bank 1
 ECM-28CO Front HO2S, bank 1
 ECM-2900 Fuel pressure control valve
 ECM-290A Front HO2S, bank 2
 ECM-290A Front lambda probe, bank 2
 ECM-290B Fuel pressure
 ECM-290C Fuel pressure
 ECM-290D Fuel pressure
 ECM-2910 Front HO2S preheating, bank 2
 ECM-291B Fuel pump control module
 ECM-291C Fuel pump control module
 ECM-291D Fuel pump control module
 ECM-2920 HO2S preheating, bank 2
 ECM-2A00 Center HO2S
 ECM-2A00 Pressure sensor particle trap
 ECM-2A0A Center HO2S
 ECM-2A0A Rear HO2S bank 1
 ECM-2A0C Fuel temperature sensor
 ECM-2A0D Fuel temperature sensor
 ECM-2A10 Center HO2S
 ECM-2A10 Temperature sensor, particle trap
 ECM-2A1A Rear HO2S, bank 1 aging
 ECM-2A20 Particle trap
 ECM-2A20 Rear HO2S, bank 1, heating
 ECM-2A2A Rear HO2S, bank 1, heating
 ECM-2A30 Particle trap. Blocked
 ECM-2A40 Particle trap. Overloaded
 ECM-2A50 Particle trap. Defective signal
 ECM-2B00 Fuel temperature sensor
 ECM-2B00 Thermostat
 ECM-2B0A Fuel temperature sensor
 ECM-2B0A Rear lambda probe, bank 2
 ECM-2B1A Rear HO2S aging, bank 2
 ECM-2B20 HO2S bank 2, preheating
 ECM-2B2A Rear HO2S preheating, bank 2
 ECM-2C00 Fuel temperature sensor
 ECM-2C0B Injector cyl 1
 ECM-2C0C Injector cyl 1
 ECM-2C0D Injector cyl 1
 ECM-2C1B Injector cyl 2
 ECM-2C1C Injector cyl 2
 ECM-2C1D Injector cyl 2
 ECM-2C2B Injector cyl 3
 ECM-2C2C Injector cyl 3
 ECM-2C2D Injector cyl 3
 ECM-2C3B Injector cyl 4
 ECM-2C3C Injector cyl 4
 ECM-2C3D Injector cyl 4
 ECM-2C4B Injector cyl 5
 ECM-2C4C Injector cyl 5
 ECM-2C4D Injector cyl 5
 ECM-2C5B Injector cyl 6
 ECM-2C5C Injector cyl 6
 ECM-2C5D Injector cyl 6
 ECM-2E00 Fuel pressure control valve
 ECM-2E10 Fuel pressure control valve
 ECM-2E20 Fuel pressure control valve
 ECM-2E30 Fuel pressure control valve
 ECM-3000 Camshaft position (CMP) sensor
 ECM-3000 ECM internal fault
 ECM-300A Camshaft pos (CMP) sensor, intake
 ECM-3010 Camshaft pos (CMP) sensor, exhaust
 ECM-3010 ECM internal fault
 ECM-301A Camshaft pos (CMP) sensor, exhaust
 ECM-3020 Camshaft pos (CMP) sensor
 ECM-3020 ECM internal fault
 ECM-303C Front knock sensor (KS)
 ECM-303D Front knock sensor (KS)
 ECM-304C Rear knock sensor (KS)
 ECM-304D Rear knock sensor (KS)
 ECM-3050 Knock control
 ECM-305C Knock control
 ECM-305D Knock control
 ECM-3060 Knock control
 ECM-3100 Engine speed (RPM) sensor
 ECM-3100 Misfire, at least one cylinder
 ECM-310A Engine speed (RPM) sensor
 ECM-310C Misfire, at least one cylinder
 ECM-310D Misfire, at least one cylinder
 ECM-3110 Engine speed (RPM) sensor
 ECM-3110 Misfire cylinder 1
 ECM-311C Misfire cylinder 1
 ECM-311D Misfire cylinder 1
 ECM-3120 Misfire cylinder 2
 ECM-312C Misfire cylinder 2
 ECM-312D Misfire cylinder 2
 ECM-3130 Misfire cylinder 3
 ECM-313C Misfire cylinder 3
 ECM-313D Misfire cylinder 3
 ECM-3140 Misfire cylinder 4
 ECM-314C Misfire cylinder 4
 ECM-314D Misfire cylinder 4
 ECM-3150 Misfire cylinder 5
 ECM-315C Misfire cylinder 5
 ECM-315D Misfire cylinder 5
 ECM-3200 Ignition coil
 ECM-3210 Misfire cylinder 1
 ECM-321C Misfire cylinder 1
 ECM-321D Misfire cylinder 1
 ECM-3220 Misfire cylinder 2
 ECM-322C Misfire cylinder 2

ECM-322D Misfire cylinder 2
 ECM-3230 Misfire cylinder 3
 ECM-323C Misfire cylinder 3
 ECM-323D Misfire cylinder 3
 ECM-3240 Misfire cylinder 4
 ECM-324C Misfire cylinder 4
 ECM-324D Misfire cylinder 4
 ECM-3250 Misfire cylinder 5
 ECM-325C Misfire cylinder 5
 ECM-325D Misfire cylinder 5
 ECM-3260 Misfire cylinder 6
 ECM-326C Misfire cylinder 6
 ECM-326D Misfire cylinder 6
 ECM-3300 Engine speed (RPM) sensor
 ECM-3300 Ignition coil cylinder 1
 ECM-330B Engine speed (RPM) sensor
 ECM-3310 Ignition coil cylinder 2
 ECM-3311 Injection timing
 ECM-3320 Ignition coil cylinder 3
 ECM-3330 Ignition coil cylinder 4
 ECM-3340 Ignition coil cylinder 5
 ECM-3350 Ignition coil cylinder 6
 ECM-33X0 Ignition coil x
 ECM-3400 Camshaft pos (CMP) sensor, intake
 ECM-3400 Knock sensor (KS)
 ECM-340A Knock sensor (KS)
 ECM-340B Camshaft pos (CMP) sensor, intake
 ECM-340C Camshaft pos sensor, intake
 ECM-340D Camshaft pos sensor, intake
 ECM-3410 Camshaft pos (CMP) sensor, exhaust
 ECM-3410 Knock sensor (KS) front
 ECM-3410 Rear knock sensor (KS)
 ECM-341A Knock sensor (KS), rear
 ECM-341B Camshaft pos (CMP) sensor, exhaust
 ECM-341C Camshaft pos sensor, exhaust
 ECM-341D Camshaft pos sensor, exhaust
 ECM-3420 Knock sensor (KS) rear
 ECM-342B Camshaft position (CMP) sensor
 ECM-3450 Knock sensor (KS), test pulse
 ECM-3460 Knock sensor (KS), test pulse
 ECM-34E0 Knock sensor (KS), offset
 ECM-34F0 Knock sensor (KS), test pulse
 ECM-3502 Misfire, at least one cylinder
 ECM-3503 Misfire, at least one cylinder
 ECM-3503 Misfire, catalytic converter damage
 ECM-350B Ignition coil cylinder 1
 ECM-350C Ignition coil cylinder 1
 ECM-350D Ignition coil cylinder 1
 ECM-3512 Misfire, emission
 ECM-3513 Misfire cylinder 1
 ECM-3513 Misfire, TWC damage
 ECM-351B Ignition coil cylinder 2
 ECM-351C Ignition coil cylinder 2
 ECM-351D Ignition coil cylinder 2
 ECM-3522 Misfire, emission
 ECM-3523 Misfire cylinder 2
 ECM-3523 Misfire, TWC damage
 ECM-352B Ignition coil cylinder 3
 ECM-352C Ignition coil cylinder 3
 ECM-352D Ignition coil cylinder 3
 ECM-3532 Misfire, emission
 ECM-3533 Misfire cylinder 3
 ECM-3533 Misfire, TWC damage
 ECM-353B Ignition coil cylinder 4
 ECM-353C Ignition coil cylinder 4
 ECM-353D Ignition coil cylinder 4
 ECM-3542 Misfire, emission
 ECM-3543 Misfire cylinder 4
 ECM-3543 Misfire, TWC damage
 ECM-354B Ignition coil cylinder 5
 ECM-354C Ignition coil cylinder 5
 ECM-354D Ignition coil cylinder 5
 ECM-3552 Misfire, emission
 ECM-3553 Misfire cylinder 5
 ECM-3553 Misfire, (TWC) damage
 ECM-3562 Misfire, emission
 ECM-3563 Misfire cylinder 6
 ECM-3600 Engine shut down
 ECM-360B Ignition coil cylinder 1
 ECM-360C Ignition coil cylinder 1
 ECM-360D Ignition coil cylinder 1
 ECM-361B Ignition coil cylinder 2
 ECM-361C Ignition coil cylinder 2
 ECM-361D Ignition coil cylinder 2
 ECM-362B Ignition coil cylinder 3
 ECM-362C Ignition coil cylinder 3
 ECM-362D Ignition coil cylinder 3
 ECM-363B Ignition coil cylinder 4
 ECM-363C Ignition coil cylinder 4
 ECM-363D Ignition coil cylinder 4
 ECM-364B Ignition coil cylinder 5
 ECM-364C Ignition coil cylinder 5
 ECM-364D Ignition coil cylinder 5
 ECM-365B Ignition coil cylinder 6
 ECM-365C Ignition coil cylinder 6
 ECM-365D Ignition coil cylinder 6
 ECM-4000 Canister purge (CP) valve
 ECM-4007 Evaporative emission (EVAP) system
 ECM-4008 Canister purge (CP) valve, leakage
 ECM-400A Canister purge (CP) valve
 ECM-400C Fuel tank system, leakage
 ECM-400C TWC efficiency, bank 1
 ECM-4010 EVAP canister shut-off valve
 ECM-4010 Leak diagnostic unit, pump
 ECM-4019 EVAP canister shut-off valve
 ECM-401C TWC efficiency, bank 2
 ECM-4020 Fuel tank pressure sensor
 ECM-4024 Leak diagnostic unit, pump
 ECM-402A Fuel tank pressure sensor
 ECM-4030 Leak diagnostic unit, preheating
 ECM-4038 Fuel tank filler cap missing. Major leak
 ECM-4047 Canister purge (CP) valve / EVAP canister shut-off valve
 ECM-404C Fuel tank system, major leak
 ECM-4050 Fuel level sensor
 ECM-405A Fuel level sensor
 ECM-405C Fuel level sensor
 ECM-406C Fuel tank system, minor leak
 ECM-4201 TWC efficiency
 ECM-420C EVAP valve. Open
 ECM-420D EVAP. Closed
 ECM-421B Canister purge (CP) valve

ECM-421C EVAP valve
 ECM-421D EVAP valve
 ECM-4308 Fuel tank system, leakage
 ECM-430C Fuel tank system, leakage
 ECM-430D Leak diagnostic
 ECM-4310 Leak diagnostic unit, pump
 ECM-431A Leak diagnostic unit, pump
 ECM-431B Leak diagnostic unit, preheating
 ECM-431C Leak diagnostic unit, preheating
 ECM-431D Leak diagnostic unit, preheating
 ECM-4320 Leak diagnostic unit, valve
 ECM-432A Leak diagnostic unit, valve
 ECM-432B Leak diagnostic unit, valve
 ECM-432C Leak diagnostic unit, preheating
 ECM-432D Leak diagnostic unit, preheating
 ECM-4338 Fuel tank filler cap missing
 ECM-433B Leak diagnostic unit, pump
 ECM-433C Leak diagnostic unit, pump
 ECM-433D Leak diagnostic unit, pump
 ECM-4340 Fuel tank filler cover, lock
 ECM-434C Fuel tank system, leakage
 ECM-4350 Leak diagnostic unit, heater element.
 ECM-4360 Leak diagnostic unit
 ECM-436B Leak diagnostic unit
 ECM-436C Leak diagnostic unit
 ECM-436D Leak diagnostic unit
 ECM-4380 Fuel tank filler cap missing
 ECM-439C Fuel tank system, leakage
 ECM-4400 EGR valve
 ECM-4400 Fuel level sensor
 ECM-4400 Gas system
 ECM-4405 EGR control
 ECM-440A Long-term fuel trim
 ECM-440B Fuel level sensor
 ECM-440C Fuel level sensor
 ECM-440D Fuel level sensor
 ECM-4411 Fuel cut-off valve
 ECM-4412 Fuel quantity regulation
 ECM-4413 Position sensor
 ECM-441D EGR control
 ECM-4420 Position sensor (EGR)
 ECM-4421 Engine control module
 ECM-4422 Engine control module
 ECM-4423 Engine control module
 ECM-4433 Immobilizer, communication fault
 ECM-4438 EGR control
 ECM-444D EGR control
 ECM-445D EGR control
 ECM-4460 EGR control
 ECM-4477 EGR control
 ECM-4487 EGR control
 ECM-4490 EGR valve
 ECM-44A0 EGR valve
 ECM-44B0 EGR valve
 ECM-4801 TWC efficiency, bank 1
 ECM-4901 TWC efficiency, bank 2
 ECM-4A30 Starter relay.
 ECM-5000 A/C linear pressure sensor
 ECM-5000 Engine speed (RPM) sensor signal
 ECM-500A A/C pressure sensor
 ECM-500B Engine speed (RPM) sensor signal
 ECM-500C Engine speed (RPM) sensor signal
 ECM-500D Engine speed (RPM) sensor signal
 ECM-5100 Malfunction indicator lamp (MIL), TCM
 ECM-5100 Vehicle speed signal
 ECM-510D Vehicle speed signal
 ECM-510F Vehicle speed signal
 ECM-5110 Malfunction indicator lamp (MIL), CEM
 ECM-511D Vehicle speed signal
 ECM-512B Malfunction indicator lamp (MIL)
 ECM-512D Vehicle speed signal
 ECM-5130 Malfunction indicator lamp (MIL), TCM
 ECM-513B Malfunction indicator lamp (MIL), TCM
 ECM-5200 Engine speed (RPM) sensor
 ECM-5200 Starter motor signal
 ECM-5200 A/C pressure sensor
 ECM-520B A/C pressure sensor
 ECM-520C A/C pressure sensor
 ECM-520D A/C pressure sensor
 ECM-5300 Vehicle speed signal
 ECM-530B Communication, TCM
 ECM-530B Vehicle speed signal
 ECM-530C Speed signal too high
 ECM-530D DTC in another control module
 ECM-530D Speed signal too low
 ECM-5310 Communication problems with TCM
 ECM-531D Control module
 ECM-532D MIL requested by throttle unit
 ECM-5340 Communication problems with CEM
 ECM-5400 Oil quality sensor
 ECM-540A Oil quality sensor
 ECM-540B Oil grade, level and temp sensor
 ECM-540C Oil grade, level and temp sensor
 ECM-540D Oil grade, level and temp sensor
 ECM-5500 Oil level
 ECM-550D Oil level
 ECM-5600 Oil level sensor
 ECM-5630 Oil level
 ECM-5700 Gear position sensor
 ECM-5800 Configuration fault
 ECM-580F Engine Control Module (ECM)
 ECM-5840 Engine Control Module (ECM)
 ECM-5850 Configuration error
 ECM-586F Configuration fault
 ECM-6000 A/C relay signal
 ECM-600B Turbocharger (TC) control valve
 ECM-600C Turbocharger (TC) control valve
 ECM-600D Turbocharger (TC) control valve
 ECM-601C Turbocharger (TC) control system
 ECM-602D Turbocharger (TC) control system
 ECM-603C Turbocharger (TC) control system
 ECM-603D Turbocharger (TC) control system
 ECM-6100 Engine cooling fan
 ECM-6110 Camshaft position control, intake
 ECM-6110 Engine cooling fan
 ECM-611B Camshaft control, intake
 ECM-6120 Engine cooling fan
 ECM-612B Camshaft reset valve, intake
 ECM-612C Camshaft reset valve, intake
 ECM-612D Camshaft reset valve, intake
 ECM-6140 Camshaft control, exhaust
 ECM-614B Camshaft control, exhaust

ECM-616B Camshaft reset valve, exhaust
 ECM-616B Camshaft reset valve, intake
 ECM-616C Camshaft reset valve, exhaust
 ECM-616C Camshaft reset valve, intake
 ECM-616D Camshaft reset valve, exhaust
 ECM-616D Camshaft reset valve, intake
 ECM-6200 AACV
 ECM-6200 Engine cooling fan (FC)
 ECM-6207 AACV
 ECM-620A Idling speed
 ECM-620B Engine cooling fan control module
 ECM-620C Engine cooling fan (FC)
 ECM-620D Engine cooling fan (FC)
 ECM-621B Engine cooling fan (FC)
 ECM-621C Engine cooling fan (FC)
 ECM-621D Engine cooling fan (FC)
 ECM-6220 Engine cooling fan (FC)
 ECM-6300 Battery voltage
 ECM-6300 ETS warning lamp
 ECM-6300 ETS warning lamp
 ECM-630B A/C relay
 ECM-630C A/C relay
 ECM-630D A/C relay
 ECM-6310 ETS warning lamp
 ECM-6310 Fuel shut-off valve
 ECM-6310 ETS malfunction indicator lamp (MIL)
 ECM-639A Injector class not programmed
 ECM-6400 Camshaft reset valve, intake
 ECM-640A Camshaft control, intake
 ECM-640A Camshaft reset valve
 ECM-640C Turbocharger (TC) control system
 ECM-640D Turbocharger (TC) control system
 ECM-640F Camshaft position, intake
 ECM-640F Camshaft reset valve
 ECM-6410 Camshaft reset valve, exhaust
 ECM-641A Camshaft control, exhaust
 ECM-641A Camshaft reset valve, exhaust
 ECM-641F Camshaft position, exhaust
 ECM-641F Camshaft reset valve, exhaust
 ECM-643A Camshaft position, exhaust
 ECM-643A Camshaft position, intake
 ECM-6440 Camshaft reset valve
 ECM-644A Camshaft position, exhaust
 ECM-650B Engine cooling fan (FC)
 ECM-650C Engine cooling fan (FC)
 ECM-650D Engine cooling fan (FC)
 ECM-6600 Glow plug relay
 ECM-6600 Starter motor relay
 ECM-660B Malfunction indicator lamp (MIL)
 ECM-660C Malfunction indicator lamp (MIL)
 ECM-660D Malfunction indicator lamp (MIL)
 ECM-6620 Glow plug control
 ECM-6630 Glow plug
 ECM-6700 Engine pads
 ECM-670C Camshaft position, intake
 ECM-670D Camshaft position, intake
 ECM-6710 EGR regulation flow too low
 ECM-671C Camshaft position, exhaust. High
 ECM-671D Camshaft position, exhaust. Low
 ECM-6720 EGR regulation flow too high
 ECM-673C Camshaft position, exhaust. High
 ECM-673D Camshaft position, exhaust. Low
 ECM-673D Mass airflow. Impaired performance
 ECM-674C Camshaft position, intake. High
 ECM-674D Camshaft position, intake. Low
 ECM-6750 Camshaft control, exhaust, lock function
 ECM-6760 Camshaft control, intake, lock function
 ECM-6800 Turbocharger (TC) control valve
 ECM-6800 Variable nozzle turbo (VNT) governor
 ECM-6805 Turbocharger (TC) control valve
 ECM-6806 Turbocharger (TC) control system flow fault
 ECM-680B Engine cooling fan (FC) control modules
 ECM-680C Engine cooling fan (FC) control modules
 ECM-680D Engine cooling fan (FC) control modules
 ECM-6810 Turbo control valve
 ECM-6814 Turbocharger (TC) control
 ECM-6820 Turbo control valve
 ECM-683D Turbo control valve
 ECM-6870 By-pass valve intercooler
 ECM-6880 By-pass valve intercooler
 ECM-688D By-pass valve intercooler
 ECM-6890 Bypass valve, charge air cooler (CAC) (SAE J1930)
 ECM-6898 Bypass valve, charge air cooler (CAC) (SAE J1930)
 ECM-68AD Bypass valve, intercooler
 ECM-68BD Bypass valve, intercooler
 ECM-68C7 By-pass valve intercooler
 ECM-68D7 By-pass valve intercooler
 ECM-6A00 Interlock
 ECM-6B00 Malfunction indicator lamp (MIL)
 ECM-700C Engine control module (ECM)
 ECM-700D Engine control module (ECM)
 ECM-7010 Engine control module (ECM)
 ECM-7020 Engine control module (ECM)
 ECM-7100 Engine control module (ECM)
 ECM-7100 Immobilizer communication
 ECM-710A CAN communication
 ECM-710A Real time clock
 ECM-710B Immobilizer communication
 ECM-710C Immobilizer Communication
 ECM-710D Immobilizer Communication
 ECM-7110 Engine control module (ECM)
 ECM-7110 Immobilizer
 ECM-711A Engine control module (ECM)
 ECM-711B Immobilizer
 ECM-711C Immobilizer
 ECM-7120 Engine control module (ECM)
 ECM-7140 Engine control module (ECM)
 ECM-7150 Engine control module (ECM)
 ECM-715D Engine control module (ECM)
 ECM-7160 Engine control module (ECM)
 ECM-716D Engine control module (ECM)
 ECM-7170 Engine control module (ECM)
 ECM-7170 Engine cooling fan (FC) control module
 ECM-7180 ECM, temperature sensor
 ECM-720A ECM
 ECM-720A Immobilizer communication
 ECM-720B ECM
 ECM-721A Immobilizer
 ECM-7300 Gear position sensor
 ECM-730A Engine control module (ECM)

ECM-730B Gear position sensor
 ECM-740A Engine control module (ECM)
 ECM-740B Communication CEM
 ECM-740C Communication CEM
 ECM-7500 Speed signal
 ECM-7510 Speed signal
 ECM-7520 Engine control module (ECM)
 ECM-7600 Immobilizer
 ECM-7610 Immobilizer
 ECM-7620 Immobilizer
 ECM-7700 Engine control module (ECM)
 ECM-8000 +30-supply to control module
 ECM-8000 12 volt power supply
 ECM-8000 Battery voltage
 ECM-800B System relay
 ECM-800C System relay
 ECM-800D System relay
 ECM-8010 Battery voltage
 ECM-8010 System relay output
 ECM-801A System relay
 ECM-801B System relay
 ECM-801C System relay
 ECM-801D System relay
 ECM-810C 5 volt power supply
 ECM-810D 5 volt power supply
 ECM-8200 Battery voltage
 ECM-820A System relay
 ECM-820C Battery voltage
 ECM-820D Battery voltage
 ECM-8210 System relay
 ECM-821B System relay
 ECM-8300 Alternator control module (ACM)
 ECM-830B Alternator control module (ACM)
 ECM-830C Alternator control module (ACM)
 ECM-830D Alternator control module (ACM)
 ECM-8400 5 volt power supply
 ECM-8410 5 volt power supply
 ECM-8420 Power supply 2
 ECM-8430 Power supply 3
 ECM-8500 5 volt power supply
 ECM-850C 5 volt power supply
 ECM-850D 5 volt power supply
 ECM-8510 5 volt power supply
 ECM-851C 5 volt power supply
 ECM-851D 5 volt power supply
 ECM-8520 5 volt power supply
 ECM-852C 5 volt power supply
 ECM-852D 5 volt power supply
 ECM-8700 Power supply
 ECM-8800 15 supply to the control module
 ECM-880F Ignition switch
 ECM-9000 Brake pedal sensor
 ECM-900B Brake pedal sensor
 ECM-900C Brake pedal sensor
 ECM-900C Engine control module (ECM)
 ECM-900D Brake pedal sensor
 ECM-900E Engine control module (ECM)
 ECM-9011 Brake pedal sensor, signal via CAN
 ECM-901A Communication control module
 ECM-901B Brake pedal sensor, signal via CAN
 ECM-901D Brake pedal sensor, signal via CAN
 ECM-901E Control module
 ECM-902A Communication control module
 ECM-902A Throttle unit communication
 ECM-902B ETM communication
 ECM-902C Engine control module (ECM)
 ECM-903C Throttle position (TP) sensor
 ECM-903F ETM, internal fault.
 ECM-904C MIL requested by throttle unit
 ECM-904D Pedal sensor fault
 ECM-9050 Memory fault in RAM
 ECM-9060 Memory fault in ROM
 ECM-9070 Engine control module (ECM)
 ECM-9100 Clutch pedal position sensor
 ECM-9100 Control valve inlet
 ECM-9100 Engine control module (ECM)
 ECM-910B Clutch pedal sensor
 ECM-910C Clutch pedal sensor
 ECM-910D Clutch pedal sensor
 ECM-910E Throttle unit, internal fault
 ECM-9110 Clutch pedal position sensor
 ECM-9110 Control valve inlet
 ECM-9117 Throttle unit
 ECM-911A Throttle unit communication
 ECM-911B Clutch pedal sensor
 ECM-911C Clutch pedal sensor
 ECM-911D Clutch pedal sensor
 ECM-9120 Control valve inlet
 ECM-912A ECM communication
 ECM-9130 Control valve inlet
 ECM-913C Throttle unit
 ECM-913F Engine control module (ECM)
 ECM-913F Throttle unit
 ECM-9140 Control valve inlet
 ECM-914C Throttle unit
 ECM-914F Throttle unit
 ECM-9150 Control valve inlet
 ECM-9150 Throttle unit
 ECM-9160 Throttle unit
 ECM-9170 Throttle unit
 ECM-917F Accelerator pedal (AP) position sensor
 ECM-917F Throttle unit
 ECM-9180 Accelerator pedal (AP) position sensor
 ECM-918A Engine control module (ECM)
 ECM-918F Accelerator pedal (AP) position sensor
 ECM-9190 Control valve inlet
 ECM-9190 Throttle unit
 ECM-919A Engine control module (ECM)
 ECM-91A0 Control valve inlet
 ECM-91A7 Throttle unit
 ECM-91AC Throttle unit
 ECM-91B0 Control valve inlet
 ECM-91B7 Throttle unit
 ECM-91C7 Throttle unit
 ECM-91CF Engine control module (ECM)
 ECM-91DF Brake light switch
 ECM-91E0 Battery voltage
 ECM-91F0 Throttle unit
 ECM-9200 Cruise control
 ECM-9200 Throttle position (TP) sensor
 ECM-9210 Cruise control
 ECM-9210 Electronic throttle unit, potentiometer 1

ECM-921C Electronic throttle unit, potentiometer 1
 ECM-921D Electronic throttle unit, potentiometer 1
 ECM-921F Clutch pedal sensor
 ECM-9220 Electronic throttle unit, potentiometer 2
 ECM-922A Cruise control
 ECM-922C Cruise control
 ECM-922C Electronic throttle unit, potentiometer 2
 ECM-922D Electronic throttle unit, potentiometer 2
 ECM-9240 Engine control module (ECM)
 ECM-925C Electronic throttle unit
 ECM-925D Electronic throttle unit
 ECM-926C Electronic throttle unit
 ECM-926D Electronic throttle unit
 ECM-9270 Throttle unit
 ECM-9280 Throttle unit
 ECM-928C Control module communication
 ECM-9290 Engine control module (ECM)
 ECM-929C Engine control module (ECM)
 ECM-929D Engine control module (ECM)
 ECM-92B0 Electronic throttle unit
 ECM-92CC Electronic throttle unit
 ECM-92CD Electronic throttle unit
 ECM-92DD Electronic throttle unit
 ECM-92EO Engine control module (ECM)
 ECM-9300 Clutch pedal position sensor
 ECM-930A Clutch pedal sensor
 ECM-930C Clutch pedal sensor
 ECM-930D Control module communication
 ECM-930F Clutch pedal sensor
 ECM-9342 Engine control module (ECM)
 ECM-9400 Accelerator pedal (AP) pos sensor
 ECM-9400 Brake pedal position sensor
 ECM-940A Brake pedal position sensor
 ECM-940C Accelerator pedal (AP) pos sensor
 ECM-940C Brake pedal sensor
 ECM-940D Accelerator pedal (AP) pos sensor
 ECM-940F Brake pedal sensor
 ECM-941C Accelerator pedal (AP) pos sensor
 ECM-941C Stop lamp switch
 ECM-941D Accelerator pedal (AP) pos sensor
 ECM-941F Brake pedal sensor
 ECM-9430 Accelerator pedal (AP) pos sensor
 ECM-943B Accelerator pedal (AP) pos sensor
 ECM-943C Accelerator pedal (AP) pos sensor
 ECM-943D Accelerator pedal (AP) pos sensor
 ECM-950A Accelerator pedal (AP) pos sensor
 ECM-950C Accelerator pedal (AP) pos sensor
 ECM-950F Accelerator pedal (AP) pos sensor
 ECM-951C ECM, idle air trim
 ECM-951D ECM, idle air trim
 ECM-951F Accelerator pedal (AP) pos sensor
 ECM-9520 Accelerator pedal (AP) pos sensor
 ECM-952F Accelerator pedal (AP) pos sensor
 ECM-9530 Accelerator pedal (AP) pos sensor
 ECM-953F AP pos sensor/brake light contact
 ECM-9540 5 volt power supply
 ECM-9540 Accelerator pedal (AP) pos sensor
 ECM-958F Accelerator pedal (AP) pos sensor
 ECM-959F ETM.
 ECM-9600 ECM
 ECM-960C ECM
 ECM-9700 Accelerator pedal (AP) pos sensor
 ECM-970B Accelerator pedal (AP) pos sensor
 ECM-970C Accelerator pedal (AP) pos sensor
 ECM-970D Accelerator pedal (AP) pos sensor
 ECM-9800 ECM
 ECM-980A Control module.
 ECM-980F MAP sensor. Faulty signal 12
 ECM-9810 ECM, engine speed (RPM)
 ECM-9818 Brake vacuum leakage
 ECM-981A Control module.
 ECM-9820 ECM
 ECM-982A Control module
 ECM-983A Engine control module (ECM)
 ECM-983B Engine control module (ECM)
 ECM-983C Engine control module (ECM)
 ECM-983D Engine control module (ECM)
 ECM-9840 Engine control module (ECM)
 ECM-984A Engine control module (ECM)
 ECM-984B Engine control module (ECM)
 ECM-9850 Engine control module (ECM)
 ECM-985A Engine control module (ECM)
 ECM-985C Engine control module (ECM)
 ECM-9860 Engine control module (ECM)
 ECM-986A Engine control module (ECM)
 ECM-987A Engine control module (ECM)
 ECM-988A Engine control module (ECM)
 ECM-989A Engine control module (ECM)
 ECM-990A Control module
 ECM-990A Idle air trim
 ECM-990F Torque monitoring
 ECM-9918 Throttle unit
 ECM-9970 Memory fault in RAM
 ECM-9980 Memory fault in ROM
 ECM-9990 Engine control module (ECM)
 ECM-999B Engine control module (ECM)
 ECM-999D Engine control module (ECM)
 ECM-9A0A Vehicle behavior
 ECM-9A0B Engine control module (ECM)
 ECM-9A0B Vehicle behavior
 ECM-9A0C Engine control module (ECM)
 ECM-9A0D Engine control module (ECM)
 ECM-A00B Communication TCM
 ECM-A02B Communication ABS
 ECM-A02B Communication BCM
 ECM-A02B Communication ABS
 ECM-A02F Speed signal
 ECM-A038 Speed signal, front wheel pair
 ECM-A03B Communication CEM
 ECM-A048 Speed signal, rear wheel pair
 ECM-A10B Alternator control module (ACM)
 ECM-A10D Alternator control module (ACM)
 ECM-A12B Speed signal
 ECM-A12C Speed signal
 ECM-A130 Control module communication
 ECM-A20B Engine control module (ECM)
 ECM-A20C Engine control module (ECM)
 ECM-A400 Engine control module (ECM)
 ECM-A500 Control area network (CAN) fault
 ECM-A600 Additive dosage module (ADM)
 ECM-A610 Additive dosage module (ADM)
 ECM-A620 Additive dosage module (ADM)

ECM-A630 Brake control module (BCM)
ECM-A640 TCM
ECM-A660 TCM
ECM-A670 Communication TCM
ECM-A680 TCM
ECM-A690 TCM
ECM-A6A0 Ignition switch
ECM-C001 Control module communication
ECM-C002 Control module communication
ECM-C073 Control module communication
ECM-C118 Communication ADM
ECM-C121 Communication BCM
ECM-C122 Communication BCM
ECM-C131 Communication EPS
ECM-C140 Communication CEM
ECM-C155 Communication DIM
ECM-C167 Communication CEM
ECM-C168 Communication BCM
ECM-C322 Check sum error
ECM-C326 Communication control module
ECM-C400 Communication control module
ECM-C415 Communication BCM
ECM-C416 Communication BCM
ECM-C422 Communication CEM
ECM-C423 Communication DIM
ECM-C426 Communication CEM
ECM-C427 Communication BCM
ECM-D00E Front heated oxygen sensor (HO2S)
ECM-D039 Speed signal
ECM-D900 Configuration fault
ECM-E000 Communication control module
ECM-E000 Control module communication
ECM-E000 Control unit, internal fault
ECM-E003 Configuration fault
ECM-E003 Control unit, internal fault
ECM-E010 Configuration problem
ECM-E013 Configuration fault
ECM-F00D Gas pressure sensor governor

EFI

EFI-0011 Heated oxygen sensor (HO2S)
EFI-0012 Volume air flow (VAF) sensor
EFI-0013 Intake air temperature (IAT) sensor
EFI-0014 Throttle position (TP) sensor
EFI-0021 Engine coolant temperature (ECT) sensor
EFI-0022 Engine speed (RPM) sensor
EFI-0025 Atmospheric pressure sensor
EFI-0036 Ignition adjustment signal
EFI-0041 Injection valve
EFI-0044 Ignition coil
EFI-0056 Fuel pressure sensor
EFI-0058 Abnormal intake air
EFI-0066 Brake vacuum sensor
EFI-0089 Fuel system fuel pressure

EPS

EPS-0020 Pump motor
EPS-0021 Pump motor
EPS-0022 Control module, internal fault
EPS-0030 Temperature sensor
EPS-0040 High temperature

EPS-0041 High temperature
EPS-0050 Memory fault in ROM
EPS-0051 Memory fault in ROM
EPS-0053 Memory fault in ROM
EPS-0060 Control module
EPS-0070 Power supply
EPS-0071 Power supply
EPS-0080 Steering wheel angle sensor
EPS-0081 Speed
EPS-0082 Engine status
EPS-0083 Battery voltage
EPS-E000 CAN communication
EPS-E003 Configuration fault

GDM

GDM-0001 Speed signal
GDM-0002 Headlamp range adjustment
GDM-0003 Angle sensor
GDM-0005 Control module
GDM-0006 Control module
GDM-0007 Control module
GDM-0008 Control module

GPS

GPS-0001 GPS antenna
GPS-0002 GPS antenna
GPS-0003 Control module

IAM

IAM-1001 AM/FM antenna
IAM-1002 AM/FM antenna
IAM-2001 Control module
IAM-2002 Control module
IAM-2003 Control module
IAM-2004 Control module
IAM-2005 Control module
IAM-3001 Front left speaker
IAM-3002 Front left speaker
IAM-3003 Front left speaker
IAM-3004 Front left speaker
IAM-3005 Front left speaker
IAM-3011 Front right speaker
IAM-3012 Front right speaker
IAM-3013 Front right speaker
IAM-3014 Front right speaker
IAM-3015 Front right speaker
IAM-3021 Rear left speaker
IAM-3023 Rear left speaker
IAM-3024 Rear left speaker
IAM-3025 Rear left speaker
IAM-3031 Rear right speaker
IAM-3032 Rear right speaker
IAM-3033 Rear right speaker
IAM-3034 Rear right speaker
IAM-3035 Rear right speaker
IAM-9001 Control module
IAM-9002 Control module

ICM

ICM-1A02 Control module

ICM-1A03 Control module
 ICM-1A05 Control module
 ICM-1A51 Communication AUD
 ICM-1A52 Communication AFM
 ICM-1A52 Communication ATM
 ICM-1A53 Communication MMM
 ICM-1A54 Communication SUB
 ICM-1A55 Communication MP1
 ICM-1A55 Communication MPM
 ICM-1A56 Communication MP2
 ICM-1A57 Communication PHM
 ICM-1A58 Communication GPS
 ICM-1A59 Communication TMC
 ICM-1A5A Control module
 ICM-1D01 Control module
 ICM-1D03 Control module
 ICM-1D07 Control module
 ICM-1D08 Control module
 ICM-1D09 Control module
 ICM-1F20 Left keypad
 ICM-1F21 Left-hand keypad circuit 1
 ICM-1F22 Left-hand keypad circuit 2
 ICM-1F23 Left-hand keypad circuit 3
 ICM-1F24 Left-hand keypad circuit 4
 ICM-1F25 Right-hand keypad circuit 5
 ICM-1F26 Right keypad
 ICM-1F27 Right-hand keypad circuit 1
 ICM-1F28 Right-hand keypad circuit 2
 ICM-1F29 POWER button
 ICM-1F30 POWER button
 ICM-1F31 SOUND button
 ICM-1F32 VOLUME knob
 ICM-1F33 SELECTOR knob
 ICM-1F34 VOLUME knob
 ICM-1F35 SELECTOR knob
 ICM-1F36 Heating, display
 ICM-1F37 Display
 ICM-1F38 Temperature sensor
 ICM-1F40 Receiver remote control
 ICM-6C70 AFM not approved
 ICM-6C70 ATM not approved
 ICM-6C71 AUD not approved
 ICM-6C72 MMM not approved
 ICM-6C73 SUB not approved
 ICM-6C74 MP1 not approved
 ICM-6C74 MPM not approved
 ICM-6C75 MP2 not approved
 ICM-6C76 PHM not approved
 ICM-6C77 GPS not approved
 ICM-6C78 TMC not approved
 ICM-6C79 ICM not approved
 ICM-6C7A Control module
 ICM-9F01 Display
 ICM-DC00 Control module communication
 ICM-DC01 Control module communication
 ICM-DC02 Control module communication
 ICM-E001 Control module communication
 ICM-E003 Configuration fault
 ICM-E010 Power supply

KVM-0001 Receiver
 KVM-0002 Receiver
 KVM-0003 Receiver
 KVM-0010 Inner antenna
 KVM-0011 Inner antenna
 KVM-0012 Inner antenna
 KVM-0013 Outer antenna left
 KVM-0014 Outer antenna left-hand
 KVM-0015 Outer antenna left-hand
 KVM-0016 Outer antenna left-hand
 KVM-0017 Outer antenna right-hand
 KVM-0018 Outer antenna right-hand
 KVM-0019 Outer antenna right-hand
 KVM-001A Outer antenna right-hand
 KVM-001B Outer antenna rear
 KVM-001C Outer antenna rear
 KVM-001D Outer antenna rear
 KVM-001E Outer antenna rear
 KVM-0020 Switch unlocking left front
 KVM-0021 Switch unlocking right front
 KVM-0022 Switch unlocking left rear
 KVM-0023 Switch unlocking right rear
 KVM-0030 Outer lock button left front
 KVM-0031 Outer lock button right front
 KVM-0032 Outer lock button left rear
 KVM-0033 Outer lock button right rear
 KVM-0040 Switch unlocking left front
 KVM-0041 Switch unlocking right front
 KVM-0042 Switch unlocking left rear
 KVM-0043 Switch unlocking right rear
 KVM-0050 Switch quick lock left front
 KVM-0051 Switch quick lock right front
 KVM-0052 Switch quick lock left rear
 KVM-0053 Switch quick lock right rear
 KVM-0060 Switch unlocking tailgate
 KVM-0080 Control module
 KVM-0081 Control module
 KVM-E001 Control module communication
 KVM-E003 Incorrect configuration
 KVM-E010 Power supply

MMM

MMM-1000 Control module
 MMM-2000 Control module
 MMM-2100 Control module

MP1

MP1-0002 Control module
 MP1-0003 Control module
 MP1-0005 Control module
 MP1-0006 Control module
 MP1-0007 Eject button

MP2

MP2-0002 Control module
 MP2-0003 Control module
 MP2-0004 Control module
 MP2-0005 Control module
 MP2-0006 Control module

MPM

MPM-0002 Control module
MPM-0003 Control module
MPM-0004 Control module
MPM-0005 Control module
MPM-0006 Control module

PAM

PAM-0001 Control module
PAM-0002 Parking sensor 1
PAM-0003 Parking sensor 1
PAM-0004 Parking sensor 2
PAM-0005 Parking sensor 2
PAM-0006 Parking sensor 3
PAM-0007 Parking sensor 3
PAM-0008 Parking sensor 4
PAM-0009 Parking sensor 4
PAM-0010 Parking sensor 5
PAM-0011 Parking sensor 5
PAM-0012 Parking sensor 6
PAM-0013 Parking sensor 6
PAM-0014 Parking sensor 7
PAM-0015 Parking sensor 7
PAM-0016 Parking sensor 8
PAM-0017 Parking sensor 8
PAM-0018 Configuration fault
PAM-E001 Control module communication
PAM-E003 Configuration fault
PAM-E010 Power supply

PDM

PDM-0012 Control, passenger window
PDM-0017 Control, passenger window
PDM-001D Central locking button
PDM-0034 Control, passenger window
PDM-0035 Control, passenger window
PDM-0036 Door warning lamp
PDM-0037 Door warning lamp
PDM-0039 Door mirror lamp
PDM-003A Door mirror lamp
PDM-003C Power supply
PDM-003E Control module
PDM-0040 Outside temperature sensor
PDM-0041 Outside temperature sensor
PDM-0042 Control module
PDM-0043 Control module
PDM-E001 Control module communication
PDM-E003 Configuration fault

PHM

PHM-0001 Power supply
PHM-0002 Hands-free speakers
PHM-0003 Communication control module
PHM-0004 Communication control module
PHM-0004 Hands-free loudspeaker
PHM-0005 Communication with control module
PHM-0006 Carphone microphone
PHM-0006 Hands-free loudspeaker
PHM-0008 Communication carphone box
PHM-0008 Hands-free microphone

PHM-0009 Hands-free microphone
PHM-000A Hands-free microphone
PHM-000B Telephone handset cradle
PHM-000C Handset cradle
PHM-000D Handset loudspeaker
PHM-000D Handset microphone
PHM-000E Carphone handset switch
PHM-000F Handset loudspeaker
PHM-0010 Hands-free speakers
PHM-0011 Hands-free speakers
PHM-0012 Hands-free speakers
PHM-0012 Handset supply
PHM-0013 Control module
PHM-0013 ON/OFF bulb
PHM-0014 Carphone antenna
PHM-0014 Carphone keypad lighting
PHM-0015 Control module
PHM-0015 Power supply
PHM-0016 Control module
PHM-0017 Communication carphone box
PHM-0018 Carphone box power supply
PHM-0019 Carphone box power supply
PHM-001A Carphone box power supply
PHM-001B Carphone handset power supply
PHM-001C Hands-free loudspeakers
PHM-001D Handset microphone
PHM-001E Handset loudspeaker
PHM-0020 Handset microphone
PHM-0022 Handset supply
PHM-0030 Backup battery
PHM-0031 GPS unit
PHM-0032 GPS antenna
PHM-0033 GPS antenna
PHM-0034 GPS antenna
PHM-003A Internal antenna
PHM-0040 SIM card
PHM-0063 Lighting switch
PHM-0064 Lighting switch
PHM-0065 Volvo On Call switch
PHM-0066 Volvo On Call switch
PHM-0067 Reserve battery, not connected
PHM-0068 SIM card holder
PHM-006A Communication problems MOST
PHM-006B Control module
PHM-006C Handset cradle
PHM-0080 Volvo On Call switch
PHM-0082 Volvo On Call switch
PHM-E001 Control module communication
PHM-E003 Configuration fault
PHM-E010 Power supply

PSM

PSM-0001 Hall sensor 1
PSM-0002 Hall sensor 2
PSM-0003 Hall sensor 3
PSM-0004 Hall sensor 4
PSM-0007 M1, M2, M3, M4 or MC
PSM-0008 M1, M2, M3, M4 or MC
PSM-0019 Memory function 1
PSM-001A Memory function 2
PSM-001B Memory function 3

PSM-001C Control panel
 PSM-001D Control module, relay
 PSM-001E Battery voltage
 PSM-0020 Front-rear adjustment control, M1+
 PSM-0021 Front-rear adjustment control, M1-
 PSM-0022 Backrest adjustment control, M2+
 PSM-0023 Backrest adjustment control, M2-
 PSM-0024 Rear edge adjustment control, M3+
 PSM-0025 Rear edge adjustment control, M3-
 PSM-0026 Front edge adjustment control, M4+
 PSM-0027 Front edge adjustment control, M4-
 PSM-0028 Operating button, memory 1
 PSM-0029 Operating button, memory 2
 PSM-002A Operating button, memory 3
 PSM-002B Memory button
 PSM-002C Button combination not permissible, M1+ and M1-
 PSM-002D Button combination not permissible, M2+ and M2-
 PSM-002E Button combination not permissible, M3+ and M3-
 PSM-002F Button combination not permissible, M4+ and M4-
 PSM-0030 Front-rear adjustment, Motor 1 (M1+)
 PSM-0031 Front-rear adjustment, Motor 1 (M1-)
 PSM-0032 Backrest, Motor 2 (M2+)
 PSM-0033 Backrest, Motor 2 (M2-)
 PSM-0034 Seat rear edge, Motor 3 (M3+)
 PSM-0035 Seat rear edge, Motor 3 (M3-)
 PSM-0036 Seat front edge, Motor 4 (M4+)
 PSM-0037 Seat front edge, Motor 4 (M4-)
 PSM-0038 Incorrect software
 PSM-003A Hall sensor 1
 PSM-003B Hall sensor 2
 PSM-003C Hall sensor 3
 PSM-003D Hall sensor 4
 PSM-E001 Control module communication
 PSM-E003 Configuration fault
 PSM-E010 Control module

REM

REM-1A01 30-Power supply
 REM-1A02 Relay, extended power supply
 REM-1A03 Relay, extended power supply
 REM-1A04 Relay, 15l supply
 REM-1A05 Relay, 15l supply
 REM-1D01 Control module
 REM-1D02 Control module
 REM-1D03 Control module
 REM-1D07 Control module
 REM-1D08 Control module
 REM-1D0A Control module
 REM-3C01 Relay, preheating the diesel filter
 REM-3FD1 Relay, gas tank valve
 REM-3FD3 Relay, gas tank valve
 REM-4A31 Fuel gauge sensor
 REM-4A33 Fuel gauge sensor
 REM-4A34 Fuel gauge sensor
 REM-4A35 Fuel gauge sensor
 REM-4A37 Fuel gauge sensor
 REM-4A38 Fuel gauge sensor

REM-4A39 Fuel level, gas
 REM-4A40 Gas temperature sensor
 REM-4A41 Gas temperature sensor
 REM-4A42 Gas pressure sensor
 REM-4A43 Gas pressure sensor
 REM-4A44 Fuel level, gas
 REM-4A45 Fuel level, gas
 REM-4A46 Fuel level, gas
 REM-4A47 Fuel level, gas
 REM-4A48 Fuel level, gas
 REM-4F41 Communication PAM
 REM-4F42 Back-up warning sensor 1
 REM-4F42 Parking sensor 1
 REM-4F43 Back-up warning sensor 2
 REM-4F43 Parking sensor 2
 REM-4F44 Back-up warning sensor 3
 REM-4F44 Parking sensor 3
 REM-4F45 Back-up warning sensor 4
 REM-4F45 Parking sensor 4
 REM-4F46 Parking sensor 5
 REM-4F47 Parking sensor 6
 REM-4F48 Parking sensor 7
 REM-4F49 Parking sensor 8
 REM-4F4A PAM
 REM-4F90 Sensor, seat belt reminder
 REM-4F91 Sensor, seat belt reminder
 REM-4F92 Sensor, seat belt reminder
 REM-4F93 Sensor, seat belt reminder
 REM-5A31 Relay, rear A/C
 REM-5A32 Relay, rear A/C
 REM-6A01 Lock relay, central locking, rear left door
 REM-6A02 Switch central locking motor
 REM-6A03 Lock relay, central locking, rear left door
 REM-6A04 Switch central locking motor
 REM-6A04 Unlocking relay, central locking rear left door
 REM-6A05 Switch locking motor child-proof lock
 REM-6A05 Unlocking relay, central locking, rear left door
 REM-6A06 Relay, deadlock
 REM-6A06 Switch locking motor child-proof lock
 REM-6A08 Relay, deadlock
 REM-6A09 Lock relay, central locking, rear right door
 REM-6A0B Lock relay, central locking, rear right door
 REM-6A0C Unlocking relay, central locking rear right door
 REM-6A0E Unlocking relay, central locking rear right door
 REM-6A10 Door switch
 REM-6A11 Door switch
 REM-6A12 Door switch
 REM-6A13 Door switch
 REM-6A14 Hood switch
 REM-6A15 Switch, tailgate
 REM-6C11 Level sensor, power supply
 REM-6C12 Level sensor, voltage supply
 REM-6C15 Communication level sensor
 REM-6C16 Level sensor
 REM-6F11 Head rest relay
 REM-6F13 Head rest relay
 REM-6F51 Tailgate handle
 REM-6F52 Unlocking relay, central locking tailgate
 REM-6F54 Unlocking relay, central locking tailgate
 REM-6F55 Unlocking relay, central locking, tailgate
 REM-6F56 Locking relay, central locking, tailgate

REM-6F71 Locking relay, central locking, fuel tank filler cover
REM-6F73 Locking relay, central locking, fuel tank filler cover
REM-6F74 Unlocking relay, central locking, fuel tank filler cover
REM-6F76 Unlocking relay, central locking, fuel tank filler cover
REM-8B01 Parking lamps right
REM-8B11 Parking lamps left
REM-8B21 License plate lighting
REM-8B22 Parking lamps
REM-8C21 Rear fog lamp relay
REM-8C23 Rear fog lamp relay
REM-8D11 Boot lighting
REM-8D11 High level stop lamp
REM-8D12 High level stop lamp
REM-8D13 Stop lamps (LED)
REM-8D14 Stop lamps (LED)
REM-8E01 Relay, back-up (reversing) lamp
REM-8E02 Relay, back-up (reversing) lamp
REM-8E11 Relay, back-up (reversing) lamp
REM-8E13 Relay, back-up (reversing) lamp
REM-8F10 Position sensor xenon lamp
REM-8F11 Xenon lamp position sensor
REM-8F12 Xenon lamp position sensor
REM-8F13 Bi-Xenon lamp position sensor
REM-8F41 Tailgate wiper relay
REM-8F43 Tailgate wiper relay
REM-8F61 Rear window defroster relay
REM-8F63 Rear window defroster relay
REM-9F21 Cargo compartment lighting
REM-DD00 LIN communication
REM-DD01 LIN communication
REM-DD02 LIN communication
REM-DD10 LIN communication
REM-DD20 Level sensor alarm
REM-DD21 Level sensor alarm
REM-E001 Control module communication
REM-E003 Configuration fault
REM-E010 Power supply control module

RTI

RTI-1000 Control module
RTI-2000 CD-ROM player reading off
RTI-2000 DVD player
RTI-2100 CD-ROM player
RTI-2100 DVD player
RTI-3000 GPS receiver
RTI-3100 GPS antenna
RTI-4000 TMC receiver missing
RTI-5000 FM multiplex receiver
RTI-E001 Control module communication
RTI-E003 Configuration fault

SAS

SAS-0000 Control module voltage low
SAS-0001 Circuit for LED group 1
SAS-0002 Circuit for LED group 1
SAS-0003 Steering wheel angle sensor
SAS-0004 Steering wheel angle sensor

SAS-0005 Steering wheel angle signal B
SAS-0006 Steering wheel angle signal B
SAS-0007 Steering wheel angle signal IX
SAS-0008 Steering wheel angle signal IX
SAS-0009 Steering wheel angle signal IY
SAS-000A Steering wheel angle sensor
SAS-000B Control module
SAS-000C Control module
SAS-000E Steering wheel angle sensor
SAS-000F Steering wheel angle sensor
SAS-0010 Steering wheel angle signal IY
SAS-0011 Steering wheel pos signal R1
SAS-0012 Steering wheel pos signal R1
SAS-0013 Steering wheel pos signal R2
SAS-0014 Steering wheel pos signal R2
SAS-0015 Steering wheel pos signal R3
SAS-0016 Steering wheel pos signal R3
SAS-0017 Steering wheel pos signal R4
SAS-0018 Steering wheel pos signal R4
SAS-0019 Control module
SAS-0020 Steering wheel angle sensor signal A/B/IX/IY
SAS-0021 Steering wheel angle sensor signal R1/R2/R3/R4
SAS-0022 Steering wheel angle sensor signal R1/R2/R3/R4
SAS-0023 Steering wheel angle sensor signal A/B/IX/IY
SAS-0024 Steering wheel angle sensor
SAS-0025 Circuit for LED group 2. Signal too low
SAS-0025 LED group 2 circuit
SAS-0026 LED group 2 circuit
SAS-0041 Steering wheel angle sensor
SAS-0042 Steering wheel angle sensor
SAS-0044 Steering wheel angle sensor
SAS-0045 Steering wheel angle signal A
SAS-0046 Steering wheel angle signal B
SAS-0047 Control module
SAS-0048 Control unit voltage supply
SAS-0049 Control unit voltage supply
SAS-004A Control module
SAS-004B Steering wheel angle sensor
SAS-E000 Control module communication
SAS-E003 Configuration fault
SAS-E010 Control module voltage low

SRS

SRS-0001 Control module
SRS-0001 SRS indicator lamp
SRS-0002 SRS indicator lamp
SRS-0003 PAD lamp
SRS-0004 PAD lamp
SRS-0005 Power supply from the battery
SRS-0006 Power supply from the battery
SRS-0010 Driver air bag, stage 1
SRS-0011 Driver air bag, stage 1
SRS-0012 Driver air bag, stage 1
SRS-0013 Driver air bag, stage 1
SRS-0014 Driver air bag stage 1
SRS-0015 Driver air bag, stage 1
SRS-0016 Driver air bag, stage 1
SRS-0016 Driver airbag stage 2
SRS-0017 Driver airbag stage 2

SRS-0018 Driver airbag stage 2
 SRS-0019 Driver airbag stage 2
 SRS-001A Driver airbag stage 2
 SRS-001B Driver's airbag stage 2
 SRS-001C Driver's airbag, stage 2
 SRS-001C Driver's seat belt tensioner
 SRS-001D Driver's airbag, stage 2
 SRS-001D Driver's seat belt tensioner
 SRS-001E Driver's airbag stage 2
 SRS-001E Driver's seat belt tensioner
 SRS-001F Driver's seat belt tensioner
 SRS-0020 Driver's seat belt tensioner
 SRS-0020 Passenger air bag, stage 1
 SRS-0021 Driver's seat belt tensioner
 SRS-0021 Passenger air bag, stage 1
 SRS-0022 Driver's lap belt tensioner
 SRS-0022 Passenger air bag, stage 1
 SRS-0023 Driver's lap belt tensioner
 SRS-0023 Passenger air bag, stage 1
 SRS-0024 Driver's lap belt tensioner
 SRS-0024 Passenger air bag, stage 1
 SRS-0025 Driver's lap belt tensioner
 SRS-0025 Passenger air bag, stage 1
 SRS-0026 Configuration fault
 SRS-0026 Driver's lap belt tensioner
 SRS-0026 Passenger airbag, stage 1
 SRS-0027 Driver's lap belt tensioner
 SRS-0028 Driver's seat belt force limiter
 SRS-0028 Passenger air bag, stage 2
 SRS-0029 Driver's seat belt force limiter
 SRS-0029 Passenger air bag, stage 2
 SRS-002A Driver's seat belt force limiter
 SRS-002A Passenger air bag, stage 2
 SRS-002B Driver's seat belt force limiter
 SRS-002B Passenger air bag, stage 2
 SRS-002C Driver's seat belt force limiter
 SRS-002C Passenger air bag, stage 2
 SRS-002D Driver's seat belt force limiter
 SRS-002D Passenger air bag, stage 2
 SRS-002E Adaptive steering column
 SRS-002E Configuration fault
 SRS-002E Passenger airbag, stage 2
 SRS-002F Adaptive steering column
 SRS-0030 Adaptive steering column
 SRS-0030 Front left side air bag
 SRS-0031 Adaptive steering column
 SRS-0031 Front left side air bag
 SRS-0032 Adaptive steering column
 SRS-0032 Front left side air bag
 SRS-0033 Adaptive steering column
 SRS-0033 Front left side air bag
 SRS-0034 Front left side air bag
 SRS-0034 Passenger airbag stage 1
 SRS-0035 Front left side air bag
 SRS-0035 Passenger airbag stage 1
 SRS-0036 Configuration fault
 SRS-0036 Left front SIPS bag
 SRS-0036 Passenger airbag stage 1
 SRS-0037 Passenger airbag stage 1
 SRS-0038 Left inflatable curtain
 SRS-0038 Passenger airbag stage 1
 SRS-0039 Left inflatable curtain
 SRS-0039 Passenger airbag stage 1
 SRS-003A Left inflatable curtain
 SRS-003A Passenger airbag stage 2
 SRS-003B Left inflatable curtain
 SRS-003B Passenger airbag stage 2
 SRS-003C Left inflatable curtain
 SRS-003C Passenger airbag stage 2
 SRS-003D Left inflatable curtain
 SRS-003D Passenger airbag stage 2
 SRS-003E Left inflatable curtain
 SRS-003E Passenger airbag stage 2
 SRS-003F Passenger airbag stage 2
 SRS-0040 Front right side air bag
 SRS-0040 Passenger seat belt tensioner
 SRS-0041 Front right side air bag
 SRS-0041 Passenger seat belt tensioner
 SRS-0042 Front right side air bag
 SRS-0042 Passenger seat belt tensioner
 SRS-0043 Front right side air bag
 SRS-0043 Passenger seat belt tensioner
 SRS-0044 Front right side air bag
 SRS-0044 Passenger seat belt tensioner
 SRS-0045 Front right side air bag
 SRS-0045 Passenger seat belt tensioner
 SRS-0046 Right front SIPS bag
 SRS-0048 Right inflatable curtain
 SRS-0049 Right inflatable curtain
 SRS-004A Passenger lap belt tensioner
 SRS-004A Right inflatable curtain
 SRS-004B Passenger lap belt tensioner
 SRS-004B Right inflatable curtain
 SRS-004C Passenger seat belt force limiter
 SRS-004C Right inflatable curtain
 SRS-004D Passenger seat belt force limiter
 SRS-004D Right inflatable curtain
 SRS-004E Passenger seat belt force limiter
 SRS-004E Right inflatable curtain
 SRS-004F Passenger seat belt force limiter
 SRS-0050 Passenger airbag stage 3
 SRS-0050 Passenger seat belt force limiter
 SRS-0051 Passenger airbag, stage 3
 SRS-0051 Passenger seat belt force limiter
 SRS-0052 Front left SIPS bag
 SRS-0052 Passenger airbag, stage 3
 SRS-0053 Front left SIPS bag
 SRS-0053 Passenger airbag, stage 3
 SRS-0054 Front left SIPS bag
 SRS-0054 Passenger airbag, stage 3
 SRS-0055 Front left SIPS bag
 SRS-0055 Passenger airbag, stage 3
 SRS-0056 Front left seat belt tensioner
 SRS-0056 Front left SIPS bag
 SRS-0056 Passenger airbag, stage 3
 SRS-0057 Front left SIPS bag
 SRS-0058 Driver airbag, stage 3
 SRS-0058 Front right SIPS bag
 SRS-0059 Driver airbag, stage 3
 SRS-0059 Front right-hand SIPS bag
 SRS-005A Driver's airbag, stage 3
 SRS-005A Front right-hand SIPS bag

SRS-005B Driver's airbag, stage 3
 SRS-005B Front right-hand SIPS bag
 SRS-005C Driver's airbag, stage 3
 SRS-005C Front right-hand SIPS bag
 SRS-005D Driver's airbag, stage 3
 SRS-005D Front right-hand SIPS bag
 SRS-005E Driver's airbag stage 3
 SRS-005E Front right seat belt tensioner
 SRS-005E Left-hand inflatable curtain
 SRS-005F Left-hand inflatable curtain
 SRS-0060 Front left seat belt tensioner
 SRS-0060 Left-hand inflatable curtain
 SRS-0061 Front left seat belt tensioner
 SRS-0061 Left-hand inflatable curtain
 SRS-0062 Front left seat belt tensioner
 SRS-0062 Left-hand inflatable curtain
 SRS-0063 Front left seat belt tensioner
 SRS-0063 Left-hand inflatable curtain
 SRS-0064 Front left seat belt tensioner
 SRS-0064 Right-hand inflatable curtain
 SRS-0065 Front left seat belt tensioner
 SRS-0065 Right-hand inflatable curtain
 SRS-0065 SRS indicator lamp
 SRS-0066 Front left seat belt tensioner
 SRS-0066 Right-hand inflatable curtain
 SRS-0066 SRS indicator lamp
 SRS-0067 Battery voltage
 SRS-0067 Right-hand inflatable curtain
 SRS-0068 Driver Airbag
 SRS-0068 Front right seat belt tensioner
 SRS-0068 Right-hand inflatable curtain
 SRS-0069 Driver Airbag
 SRS-0069 Front right seat belt tensioner
 SRS-0069 Right-hand inflatable curtain
 SRS-006A Driver's seat belt tensioner
 SRS-006A Front right seat belt tensioner
 SRS-006A Rear left-hand seat belt tensioner
 SRS-006B Driver's seat belt tensioner
 SRS-006B Front right seat belt tensioner
 SRS-006B Rear left-hand seat belt tensioner
 SRS-006C Front right seat belt tensioner
 SRS-006C Passenger seat belt tensioner
 SRS-006C Rear left-hand seat belt tensioner
 SRS-006D Front right seat belt tensioner
 SRS-006D Passenger seat belt tensioner
 SRS-006D Rear left-hand seat belt tensioner
 SRS-006E Front right seat belt tensioner
 SRS-006E Passenger airbag
 SRS-006E Rear left-hand seat belt tensioner
 SRS-006F Passenger airbag
 SRS-006F Rear left-hand seat belt tensioner
 SRS-0070 Rear left seat belt tensioner
 SRS-0071 Rear left seat belt tensioner
 SRS-0072 Rear left seat belt tensioner
 SRS-0073 Rear left seat belt tensioner
 SRS-0074 Left SIPS bag
 SRS-0074 Rear left seat belt tensioner
 SRS-0075 Left SIPS bag
 SRS-0075 Rear left seat belt tensioner
 SRS-0076 Rear left seat belt tensioner
 SRS-0076 Rear right-hand seat belt tensioner
 SRS-0076 Right SIPS bag
 SRS-0077 Rear right-hand seat belt tensioner
 SRS-0077 Right SIPS bag
 SRS-0078 Driver Airbag
 SRS-0078 Rear center seat belt tensioner
 SRS-0078 Rear right-hand seat belt tensioner
 SRS-0079 Driver Airbag
 SRS-0079 Rear center seat belt tensioner
 SRS-0079 Rear right-hand seat belt tensioner
 SRS-007A Driver's seat belt tensioner
 SRS-007A Rear center seat belt tensioner
 SRS-007A Rear right-hand seat belt tensioner
 SRS-007B Driver's seat belt tensioner
 SRS-007B Rear center seat belt tensioner
 SRS-007B Rear right-hand seat belt tensioner
 SRS-007C Passenger seat belt tensioner
 SRS-007C Rear center seat belt tensioner
 SRS-007D Passenger seat belt tensioner
 SRS-007D Rear center seat belt tensioner
 SRS-007E Passenger airbag
 SRS-007E Rear center seat belt tensioner
 SRS-007F Passenger airbag
 SRS-0080 Rear right seat belt tensioner
 SRS-0081 Rear right seat belt tensioner
 SRS-0082 Rear right seat belt tensioner
 SRS-0083 Rear right seat belt tensioner
 SRS-0084 Left SIPS bag
 SRS-0084 Rear right seat belt tensioner
 SRS-0085 Left SIPS bag
 SRS-0085 Rear right seat belt tensioner
 SRS-0086 Rear right seat belt tensioner
 SRS-0086 Right SIPS bag
 SRS-0087 Right SIPS bag
 SRS-0088 Driver's airbag
 SRS-0089 Driver's seat belt tensioner
 SRS-008A Passenger seat belt tensioner
 SRS-008B Passenger airbag
 SRS-008E Left SIPS airbag
 SRS-0090 Driver's seat belt buckle
 SRS-0090 Seat belt tensioner 3rd row left
 SRS-0091 Driver's seat belt buckle
 SRS-0091 Seat belt tensioner 3rd row left
 SRS-0092 Driver's seat belt buckle
 SRS-0092 Seat belt tensioner 3rd row left
 SRS-0093 Driver's seat belt buckle
 SRS-0093 Passenger seat belt buckle
 SRS-0093 Seat belt tensioner 3rd row left
 SRS-0094 Passenger seat belt buckle
 SRS-0094 Seat belt tensioner 3rd row left
 SRS-0095 Passenger seat belt buckle
 SRS-0095 Seat belt tensioner 3rd row left
 SRS-0096 Driver's seat belt buckle
 SRS-0096 Passenger seat belt buckle
 SRS-0096 Seat belt tensioner 3rd row left
 SRS-0097 Passenger seat belt buckle
 SRS-0098 Seat belt tensioner 3rd row right
 SRS-0099 Seat belt tensioner 3rd row right
 SRS-009A Rear seat belt buckle
 SRS-009A Seat belt tensioner 3rd row right
 SRS-009B Rear seat belt buckles
 SRS-009B Seat belt tensioner 3rd row right

SRS-009C Driver's seat position sensor
 SRS-009C Seat belt tensioner 3rd row right
 SRS-009D Driver's seat position sensor
 SRS-009D Seat belt tensioner 3rd row right
 SRS-009E Driver's seat position sensor
 SRS-009E Seat belt tensioner 3rd row right
 SRS-009F Driver's seat position sensor
 SRS-00A0 Left rear inflatable curtain
 SRS-00A0 Left side impact sensor
 SRS-00A0 Passenger seat position sensor
 SRS-00A1 Left rear inflatable curtain
 SRS-00A1 Left side impact sensor
 SRS-00A1 Passenger seat position sensor
 SRS-00A2 Left rear inflatable curtain
 SRS-00A2 Passenger seat position sensor
 SRS-00A2 Right side impact sensor
 SRS-00A3 Left rear inflatable curtain
 SRS-00A3 Passenger seat position sensor
 SRS-00A3 Right side impact sensor
 SRS-00A4 Left rear inflatable curtain
 SRS-00A4 Left side impact sensor
 SRS-00A4 Switch for airbag in On position
 SRS-00A5 Left rear inflatable curtain
 SRS-00A5 Right side impact sensor
 SRS-00A5 Switch for airbag in On position
 SRS-00A6 Left rear inflatable curtain
 SRS-00A6 Switch for airbag in On position
 SRS-00A7 Switch for airbag in On/Off position
 SRS-00A8 Right rear inflatable curtain
 SRS-00A8 Switch for airbag in Off position
 SRS-00A9 Right rear inflatable curtain
 SRS-00A9 Switch for airbag in Off position
 SRS-00AA Right rear inflatable curtain
 SRS-00AA Switch for airbag in Off position
 SRS-00AB Right rear inflatable curtain
 SRS-00AB Switch for passenger airbag
 SRS-00AC Right rear inflatable curtain
 SRS-00AD Right rear inflatable curtain
 SRS-00AE Right rear inflatable curtain
 SRS-00B0 Front left side impact sensor
 SRS-00B1 Front left side impact sensor
 SRS-00B2 Front left side impact sensor
 SRS-00B3 Front left side impact sensor
 SRS-00B4 Front left side impact sensor
 SRS-00B5 Front left side impact sensor
 SRS-00B5 Front right side impact sensor
 SRS-00B6 Front right side impact sensor
 SRS-00B7 Front right side impact sensor
 SRS-00B8 Front right side impact sensor
 SRS-00B9 Front right side impact sensor
 SRS-00B9 Rear left side impact sensor
 SRS-00BA Rear left side impact sensor
 SRS-00BB Rear left side impact sensor
 SRS-00BC Rear left side impact sensor
 SRS-00BD Rear left side impact sensor
 SRS-00BE Rear left side impact sensor
 SRS-00BF Rear right side impact sensor
 SRS-00C0 Rear right side impact sensor
 SRS-00C1 Rear right side impact sensor
 SRS-00C2 Front right side impact sensor
 SRS-00C2 Rear right side impact sensor
 SRS-00C3 Front right side impact sensor
 SRS-00C3 Rear right side impact sensor
 SRS-00C4 Front left side impact sensor
 SRS-00C4 Front right side impact sensor
 SRS-00C5 Front right side impact sensor
 SRS-00C6 Front right side impact sensor
 SRS-00C6 Rear left side impact sensor
 SRS-00C7 Control module
 SRS-00C7 Front right side impact sensor
 SRS-00C7 Rear right side impact sensor
 SRS-00CB Rear right side impact sensor
 SRS-00CC Rear right side impact sensor
 SRS-00CD Rear right side impact sensor
 SRS-00CE Rear right side impact sensor
 SRS-00CF Rear right side impact sensor
 SRS-00D0 Driver's seat belt buckle
 SRS-00D0 Rear right side impact sensor
 SRS-00D1 Passenger seat belt buckle
 SRS-00D3 Collision signal
 SRS-00D4 Front left front impact sensor
 SRS-00D4 SRS indicator lamp
 SRS-00D5 Front left front impact sensor
 SRS-00D5 SRS indicator lamp
 SRS-00D6 Front left front impact sensor
 SRS-00D6 Front seat belt buckle
 SRS-00D7 Collision signal
 SRS-00D7 Front left front impact sensor
 SRS-00D8 Control
 SRS-00D8 Front left front impact sensor
 SRS-00D9 Front left front impact sensor
 SRS-00D9 Occupant weight sensor
 SRS-00D9 Switch. Faulty function
 SRS-00DA Model. Faulty signal
 SRS-00DB Passenger airbag
 SRS-00DC Number of seats
 SRS-00DD CAN signal
 SRS-00DD Front right front impact sensor
 SRS-00DE Front right front impact sensor
 SRS-00DF Front right front impact sensor
 SRS-00E0 Front right front impact sensor
 SRS-00E1 Front right front impact sensor
 SRS-00E2 CAN signal
 SRS-00E2 Front right front impact sensor
 SRS-00E3 CAN signal
 SRS-00E4 CAN signal
 SRS-00E5 CAN signal
 SRS-00E6 CAN signal
 SRS-00E6 Driver's seat belt (inertia) reel sensor
 SRS-00E7 CAN signal
 SRS-00E7 Driver's seat belt (inertia) reel sensor
 SRS-00E8 Driver's seat belt (inertia) reel sensor
 SRS-00E8 Steering column
 SRS-00E9 Driver's seat belt (inertia) reel sensor
 SRS-00E9 Steering column
 SRS-00EA Driver's seat belt (inertia) reel sensor
 SRS-00EA Steering column
 SRS-00EB Driver's seat belt (inertia) reel sensor
 SRS-00EB Steering column
 SRS-00EC Driver's seat belt (inertia) reel sensor
 SRS-00EC Steering column
 SRS-00ED Driver's seat belt (inertia) reel sensor

SRS-00ED Steering column
 SRS-00EE Steering column
 SRS-00EF Passenger seat belt (inertia) reel sensor
 SRS-00F0 Front left seat belt buckle
 SRS-00F0 Passenger seat belt (inertia) reel sensor
 SRS-00F1 Front left seat belt buckle
 SRS-00F1 Passenger seat belt (inertia) reel sensor
 SRS-00F2 Front left seat belt buckle
 SRS-00F2 Passenger seat belt (inertia) reel sensor
 SRS-00F3 Front right seat belt buckle
 SRS-00F3 Passenger seat belt (inertia) reel sensor
 SRS-00F4 Front right seat belt buckle
 SRS-00F4 Passenger seat belt (inertia) reel sensor
 SRS-00F5 Front right seat belt buckle
 SRS-00F5 Passenger seat belt (inertia) reel sensor
 SRS-00F6 Front seat belt buckle
 SRS-00F6 Passenger seat belt (inertia) reel sensor
 SRS-00F7 Front seat belt buckle
 SRS-00F8 Rear right seat belt buckle
 SRS-00F9 Rear center seat belt buckle
 SRS-00FA Rear left seat belt buckle
 SRS-00FB Rear seat belt buckle
 SRS-00FC Seat belt buckle 3rd row, left
 SRS-00FD Seat belt buckle 3rd row right
 SRS-0101 Control module
 SRS-0101 SRS indicator lamp
 SRS-0102 Control module
 SRS-0102 SRS indicator lamp
 SRS-0103 Battery voltage
 SRS-0103 Control modul
 SRS-0104 Control module
 SRS-0104 Driver airbag, stage 1
 SRS-0105 Control module
 SRS-0105 Driver airbag, stage 1
 SRS-0106 Control module
 SRS-0106 Driver airbag, stage 1
 SRS-0107 Control module
 SRS-0107 Driver airbag, stage 1
 SRS-0108 Control module
 SRS-0108 Driver airbag, stage 1
 SRS-0109 Control module
 SRS-0109 Driver airbag, stage 1
 SRS-010A Control module
 SRS-010A Driver's side seat belt tensioner
 SRS-010B Control module
 SRS-010B Driver's side seat belt tensioner
 SRS-010C Control module
 SRS-010C Driver's side seat belt tensioner
 SRS-010D Control module
 SRS-010D Driver's side seat belt tensioner
 SRS-010E Control module
 SRS-010E Driver's side seat belt tensioner
 SRS-010F Control module
 SRS-010F Driver's side seat belt tensioner
 SRS-0110 Control module
 SRS-0110 Occupant weight sensor (OWS)
 SRS-0110 Passenger seat belt tensioner
 SRS-0111 Control module
 SRS-0111 Occupant weight sensor (OWS)
 SRS-0111 Passenger seat belt tensioner
 SRS-0112 Control module
 SRS-0112 Occupant weight sensor (OWS)
 SRS-0112 Passenger seat belt tensioner
 SRS-0113 Control module
 SRS-0113 Occupant weight sensor (OWS)
 SRS-0113 Passenger seat belt tensioner
 SRS-0114 Control module
 SRS-0114 Occupant weight sensor (OWS)
 SRS-0114 Passenger seat belt tensioner
 SRS-0115 Control module
 SRS-0115 Occupant weight sensor (OWS)
 SRS-0115 Passenger seat belt tensioner
 SRS-0116 Control unit
 SRS-0116 Occupant weight sensor (OWS)
 SRS-0116 Passenger airbag, stage 1
 SRS-0117 Control unit
 SRS-0117 Passenger airbag, stage 1
 SRS-0118 Control unit
 SRS-0118 Occupant weight sensor (OWS)
 SRS-0118 Passenger airbag, stage 1
 SRS-0119 Control unit
 SRS-0119 Passenger airbag, stage 1
 SRS-011A Control module
 SRS-011A Passenger airbag, stage 1
 SRS-011B Control module
 SRS-011B Passenger airbag, stage 1
 SRS-011C Control module
 SRS-011C Driver airbag, stage 2
 SRS-011D Control module
 SRS-011D Driver airbag, stage 2
 SRS-011E Control module
 SRS-011E Driver airbag, stage 2
 SRS-011F Control module
 SRS-011F Driver airbag, stage 2
 SRS-0120 Control module
 SRS-0120 Driver airbag, stage 2
 SRS-0120 Local CAN network, SRS
 SRS-0121 Control module
 SRS-0121 Driver airbag, stage 2
 SRS-0122 Control module
 SRS-0122 Left inflatable curtain
 SRS-0123 Control module
 SRS-0123 Left inflatable curtain
 SRS-0124 Control module
 SRS-0124 Left inflatable curtain
 SRS-0125 Control module
 SRS-0125 Left inflatable curtain
 SRS-0126 Control module
 SRS-0126 Left inflatable curtain
 SRS-0126 Local CAN network, SRS
 SRS-0127 Control module
 SRS-0127 Left inflatable curtain
 SRS-0128 CAN signal
 SRS-0128 Control module
 SRS-0128 Right inflatable curtain
 SRS-0129 CAN signal
 SRS-0129 Control module
 SRS-0129 Right inflatable curtain
 SRS-012A CAN signal
 SRS-012A Control unit
 SRS-012A Right inflatable curtain
 SRS-012B CAN signal

SRS-012B Control module
 SRS-012B Right inflatable curtain
 SRS-012C CAN signal
 SRS-012C Control module
 SRS-012C Right inflatable curtain
 SRS-012D Right inflatable curtain
 SRS-012E Passenger airbag, stage 2
 SRS-012F Passenger airbag, stage 2
 SRS-0130 Control module
 SRS-0130 Passenger airbag, stage 2
 SRS-0131 Control module
 SRS-0131 Passenger airbag, stage 2
 SRS-0132 Control module
 SRS-0132 Passenger airbag, stage 2
 SRS-0133 Control module
 SRS-0133 Passenger airbag, stage 2
 SRS-0134 Right SIPS bag
 SRS-0135 Control module
 SRS-0135 Right SIPS bag.
 SRS-0136 Control module
 SRS-0136 Right SIPS bag
 SRS-0137 Control module
 SRS-0137 Right SIPS bag
 SRS-0138 Control module
 SRS-0138 Right SIPS bag
 SRS-0139 Control module
 SRS-0139 Right SIPS bag
 SRS-013A Collision signal
 SRS-013A Control module
 SRS-013A Left SIPS bag
 SRS-013B Control module
 SRS-013B Left SIPS bag
 SRS-013C Left SIPS bag
 SRS-013D Left SIPS bag
 SRS-013E Left SIPS bag
 SRS-013F Left SIPS bag
 SRS-014A Weight sensor/Passenger airbag switch
 SRS-014B Force limiter/lap tensioner
 SRS-0154 Driver's seat belt buckle
 SRS-0155 Driver's seat belt buckle
 SRS-0156 Driver's seat belt buckle
 SRS-0157 Driver's seat belt buckle
 SRS-0158 Passenger seat belt buckle
 SRS-0159 Passenger seat belt buckle
 SRS-015A Passenger seat belt buckle
 SRS-015B Passenger seat belt buckle
 SRS-015C Left front side impact sensor
 SRS-015D Left front side impact sensor
 SRS-015E Left front side impact sensor
 SRS-015F Left front side impact sensor
 SRS-0160 Right front side impact sensor
 SRS-0161 Right front side impact sensor
 SRS-0162 Right front side impact sensor
 SRS-0163 Right front side impact sensor
 SRS-0164 Rear left side impact sensor
 SRS-0165 Rear left side impact sensor
 SRS-0166 Rear left side impact sensor
 SRS-0167 Rear left side impact sensor
 SRS-0168 Right rear side impact sensor
 SRS-0169 Right rear side impact sensor
 SRS-016A Right rear side impact sensor
 SRS-016B Right rear side impact sensor
 SRS-017A Seat belt reminder
 SRS-017C Central locking
 SRS-017D Seat belt reminder
 SRS-017E Control module
 SRS-020C AOS
 SRS-0210 Front right front impact sensor
 SRS-0211 Front right front impact sensor
 SRS-0212 Front right front impact sensor
 SRS-0213 Front right front impact sensor
 SRS-0214 Front right front impact sensor
 SRS-0215 Front right front impact sensor
 SRS-0218 Front left front impact sensor
 SRS-0219 Front left front impact sensor
 SRS-021A Front left front impact sensor
 SRS-021B Front left front impact sensor
 SRS-021C Front left front impact sensor
 SRS-021D Front left front impact sensor
 SRS-0220 CAN signal
 SRS-0221 CAN signal
 SRS-0222 CAN signal
 SRS-0223 CAN signal
 SRS-0224 CAN signal
 SRS-0225 CAN signal
 SRS-0228 Control module
 SRS-0230 Switch for the passenger airbag
 SRS-0231 Switch for the passenger airbag
 SRS-0232 Switch for the passenger airbag
 SRS-0233 Switch for the passenger airbag
 SRS-0234 Switch for the passenger airbag
 SRS-0235 Switch for the passenger airbag
 SRS-0236 Switch for the passenger airbag
 SRS-0237 Switch for the passenger airbag
 SRS-0238 Switch for the passenger airbag
 SRS-0239 Switch for the passenger airbag
 SRS-023A Switch for the passenger airbag
 SRS-0240 Passenger airbag
 SRS-0241 Passenger airbag
 SRS-0250 Occupant weight sensor (OWS)
 SRS-0251 Occupant weight sensor (OWS)
 SRS-0252 Occupant weight sensor (OWS)
 SRS-0253 Occupant weight sensor (OWS)
 SRS-0254 Occupant weight sensor (OWS)
 SRS-0256 Occupant weight sensor (OWS)
 SRS-0258 Occupant weight sensor (OWS)
 SRS-025A Occupant weight sensor (OWS)
 SRS-025B Occupant weight sensor (OWS)
 SRS-025C Occupant weight sensor (OWS)
 SRS-025D Occupant weight sensor (OWS)
 SRS-025E Occupant weight sensor (OWS)
 SRS-025F Occupant weight sensor (OWS)
 SRS-0260 Occupant weight sensor (OWS)
 SRS-0262 Occupant weight sensor (OWS)
 SRS-CFFF Control module
 SRS-DD00 Control module communication
 SRS-DD01 Communication control module
 SRS-DD02 Communication control module
 SRS-DD10 Communication control module
 SRS-E001 Control module communication
 SRS-E003 Configuration fault
 SRS-E010 Power supply

SUB

SUB-0001 Control module
SUB-0002 Control module
SUB-0003 Control module
SUB-0004 Control module
SUB-0005 Control module
SUB-0006 Control module

SUM

SUM-0011 Accel sensor, suspension left front
SUM-0012 Accel sensor, suspension left front
SUM-0013 Accel sensor, suspension left front
SUM-0021 Accel sensor, suspension right front
SUM-0022 Accel sensor, suspension right front
SUM-0023 Accel sensor, suspension right front
SUM-0031 Position sensor, suspension left rear
SUM-0032 Position sensor, suspension left rear
SUM-0033 Position sensor, suspension left rear
SUM-0041 Position sensor, suspension right rear
SUM-0042 Position sensor, suspension right rear
SUM-0043 Position sensor, suspension right rear
SUM-0051 Bodywork accel sensor body, left front
SUM-0052 Bodywork accel sensor body, left front
SUM-0053 Bodywork accel sensor, left front
SUM-0061 Bodywork accel sensor, right front
SUM-0062 Bodywork accel sensor, right front
SUM-0063 Bodywork accel sensor, right front
SUM-0071 Bodywork accel sensor body, left rear
SUM-0072 Bodywork accel sensor body, left rear
SUM-0073 Bodywork accel sensor body, left rear
SUM-0081 Supply, sensor
SUM-0082 Supply, sensor
SUM-0091 Supply, sensor
SUM-0092 Supply, sensor
SUM-0111 Solenoid, suspension left front
SUM-0112 Solenoid, suspension left front
SUM-0113 Solenoid, suspension left front
SUM-0115 Solenoid, suspension left front
SUM-0116 Solenoid, suspension left front
SUM-0117 Solenoid, suspension left front
SUM-0118 Solenoid, suspension left front
SUM-0121 Solenoid, suspension right front
SUM-0122 Solenoid, suspension right front
SUM-0123 Solenoid, suspension right front
SUM-0128 Solenoid, suspension right front
SUM-0131 Solenoid, suspension left rear
SUM-0132 Solenoid, suspension left rear
SUM-0133 Solenoid, suspension left rear
SUM-0135 Solenoid, suspension left rear
SUM-0136 Solenoid, suspension left rear
SUM-0137 Solenoid, suspension left rear
SUM-0138 Solenoid, suspension left rear
SUM-0141 Solenoid, suspension right rear
SUM-0142 Solenoid, suspension right rear
SUM-0143 Solenoid, suspension right rear
SUM-0145 Solenoid, suspension right rear
SUM-0146 Solenoid, suspension right rear
SUM-0147 Solenoid, suspension right rear
SUM-0148 Solenoid, suspension right rear
SUM-0151 Keypad

SUM-0152 Keypad
SUM-0153 Keypad
SUM-0171 Keypad, COMFORT indication
SUM-0172 Keypad, COMFORT indication
SUM-0181 Keypad, SPORT indication
SUM-0182 Keypad, SPORT indication
SUM-0191 Keypad, ADVANCED indication
SUM-0192 Keypad, ADVANCED indication
SUM-0201 Control module
SUM-0202 Control module
SUM-0203 Control module
SUM-0204 Control module
SUM-0205 Control module
SUM-0206 Control module
SUM-0207 Control module
SUM-0208 Control module
SUM-0209 Control module
SUM-0211 Control module
SUM-0212 Control module
SUM-0213 Control module
SUM-0220 Position sensor, calibrating
SUM-0221 Position sensor, calibrating
SUM-0222 Solenoids, calibrating
SUM-0223 Solenoids, calibrating
SUM-0230 Control module
SUM-0243 Control module
SUM-0244 Control module
SUM-0245 Control module
SUM-0246 Control module
SUM-0251 Control module
SUM-0261 Control module
SUM-0262 Control module
SUM-0263 Control module
SUM-0322 Communication CEM
SUM-0324 Communication BCM
SUM-0326 Communication ECM
SUM-0327 Communication SAS
SUM-0328 Communication CCM
SUM-0332 Communication CEM
SUM-0334 Communication BCM
SUM-0336 Communication ECM
SUM-0337 Communication SAS
SUM-E000 Control module communication
SUM-E003 Control module communication

SWM

SWM-0001 Reset button
SWM-0002 Read button
SWM-0003 Headlamp flash
SWM-0004 Indicator lever
SWM-0004 Turn signal lamp stalk
SWM-0005 Windshield wiper lever
SWM-0006 Rain sensor button
SWM-0008 Communication steering wheel buttons
SWM-0009 Communication steering wheel buttons
SWM-000A Communication steering wheel buttons
SWM-000B Windscreen-wiper lever
SWM-000C Windscreen-wiper lever
SWM-000D Windscreen-wiper lever
SWM-000E Windshield wiper lever
SWM-000F Windshield wiper lever

SWM-0010 Resume and Cancel buttons
 SWM-0011 Set+ and Set- buttons
 SWM-0012 Search+ and Search- buttons
 SWM-0013 Volume+ and Volume- buttons
 SWM-0014 RTI multi-button
 SWM-0016 Cruise control ON/OFF button
 SWM-0017 Cruise control Resume button
 SWM-0018 Cruise control Cancel button
 SWM-0019 Cruise control Set+ button
 SWM-001A Cruise control Set- button
 SWM-001B Carphone YES-button
 SWM-001C Carphone NO button
 SWM-001D Volume+ button
 SWM-001E Volume- button
 SWM-0020 Scan+ button
 SWM-0021 Scan- button
 SWM-0022 RTI Enter button
 SWM-0023 RTI Reset button
 SWM-0024 RTI Up button
 SWM-0025 RTI Down button
 SWM-0026 RTI Left button
 SWM-0027 RTI Right button
 SWM-0028 Switch unit
 SWM-0029 Switch unit
 SWM-002A Switch unit
 SWM-002B Switch unit
 SWM-0031 Cruise control
 SWM-0032 Cruise control
 SWM-0033 Steering wheel angle sensor
 SWM-0200 Steering wheel angle sensor
 SWM-0201 Steering wheel angle sensor
 SWM-0202 Steering wheel angle sensor
 SWM-0203 Steering wheel angle sensor
 SWM-0204 Steering wheel angle sensor
 SWM-0206 Steering wheel module (SWM)
 SWM-0207 Steering wheel module (SWM)
 SWM-0208 Steering wheel module (SWM)
 SWM-0209 Steering wheel module (SWM)
 SWM-020A Steering wheel module (SWM)
 SWM-0A01 Steering wheel module (SWM)
 SWM-0A03 Rear windshield wiper
 SWM-0A04 Rear windshield wiper
 SWM-0A06 Cruise control
 SWM-0A07 Reset button
 SWM-0A08 Reset button
 SWM-0A09 Rain sensor button
 SWM-0A0A Rain sensor
 SWM-0A0B Steering wheel switch right (SWSR)
 SWM-0A0C Steering wheel switches
 SWM-0A0D Steering wheel switches
 SWM-0A10 Communication control modules
 SWM-0A11 Communication control modules
 SWM-0A12 Communication control modules
 SWM-DD00 Communication control modules
 SWM-DD01 Communication control modules
 SWM-DD02 Communication control modules
 SWM-DD10 Communication control modules
 SWM-DD11 Communication control modules
 SWM-E001 Communication control module
 SWM-E003 Configuration fault
 SWM-E010 Steering wheel module (SWM)

TCM

TCM-0001 Gear shift solenoid S1
 TCM-0002 Gear shift solenoid S1
 TCM-0003 Gear shift solenoid S1
 TCM-0007 Gear shift solenoid S2
 TCM-0008 Gear shift solenoid S2
 TCM-0009 Gear shift solenoid S2
 TCM-000B Shift solenoid S1
 TCM-000C Shift solenoid S2
 TCM-000D Line pressure solenoid STH
 TCM-000F Line pressure solenoid STH
 TCM-0010 Line pressure solenoid STH
 TCM-0012 Lock-up solenoid SL
 TCM-0013 Lock-up solenoid SL
 TCM-0014 Lock-up solenoid SL
 TCM-0015 Lock-up solenoid SL
 TCM-0016 Control module
 TCM-001C Kickdown switch (KD)
 TCM-001E Transmission output speed sensor
 TCM-001F Speed sensor. No signal
 TCM-001F Transmission output speed sensor
 TCM-001F Vehicle speed sensor (VSS)
 TCM-0020 Transmission output speed sensor
 TCM-0020 Vehicle speed sensor (VSS)
 TCM-0022 Transmission speed sensor
 TCM-0023 Engine speed (RPM) sensor
 TCM-0023 Transmission input speed sensor
 TCM-0023 Vehicle speed sensor
 TCM-0024 Engine speed (RPM) sensor
 TCM-0024 Tachometer sensor
 TCM-0024 Transmission input speed sensor
 TCM-0027 Back-up (reverse) gear
 TCM-0028 1st gear
 TCM-0029 2nd gear
 TCM-002A 3rd gear
 TCM-002B 4th gear
 TCM-002C 5th gear
 TCM-002E Lock-up function
 TCM-002F Lock-up function
 TCM-0036 Winter mode selector switch
 TCM-0039 Gear position sensor
 TCM-0042 Counter, oil quality
 TCM-0042 Oil temperature
 TCM-0043 Oil temperature sensor
 TCM-0044 Oil temperature sensor
 TCM-0045 Oil temperature sensor
 TCM-0046 Oil temperature sensor
 TCM-0048 Control module
 TCM-0049 Control module
 TCM-0050 Solenoid SL
 TCM-0051 Solenoid SL
 TCM-0052 Solenoid SL
 TCM-0053 Lock-up pressure switch
 TCM-0054 Lock-up pressure switch
 TCM-0060 Control module
 TCM-0061 Control unit
 TCM-0062 Control unit
 TCM-0070 Function, immobilizer
 TCM-0071 Function, immobilizer
 TCM-0075 Function, Shift-lock

TCM-0076 Function, Shift-lock
TCM-0081 Speed sensor
TCM-0081 Transmission output speed sensor
TCM-0081 Vehicle speed sensor (VSS)
TCM-0082 Transmission output speed sensor
TCM-0083 Speed sensor
TCM-0083 Transmission output speed sensor
TCM-0083 Vehicle speed sensor (VSS)
TCM-0087 Engine speed (RPM) sensor
TCM-0087 Tachometer sensor
TCM-0087 Transmission input speed sensor
TCM-0088 Transmission speed sensor
TCM-0089 Engine speed (RPM) sensor
TCM-0089 Tachometer sensor
TCM-0089 Transmission input speed sensor
TCM-008D Lock-up pressure switch
TCM-0090 P position lock solenoid
TCM-0091 P position lock solenoid
TCM-0092 P position lock solenoid
TCM-0093 Communication gear lever control unit
TCM-0094 Communication gear lever control unit
TCM-0095 Communication gear lever control unit
TCM-0096 Gear selector module (GSM)
TCM-0096 Quickshift sensor
TCM-0097 Faulty software
TCM-0098 Faulty software
TCM-0099 Transmission control module (TCM)
TCM-009A Battery voltage
TCM-009B Power supply
TCM-0100 Ctrl module. Poor gear shifting quality
TCM-0100 Transmission
TCM-0101 Gear shift solenoid S3
TCM-0102 Gear shift solenoid S3
TCM-0103 Gear shift solenoid S3
TCM-0107 Gear shift solenoid S4
TCM-0108 Gear shift solenoid S4
TCM-0109 Gear shift solenoid S4
TCM-010A Gear shift solenoid S5
TCM-010B Gear shift solenoid S5
TCM-010C Gear shift solenoid S5
TCM-010D Lock-up solenoid SLU
TCM-010F Lock-up solenoid SLU
TCM-0110 Lock-up solenoid SLU
TCM-0112 Line pressure solenoid SLS
TCM-0113 Line pressure solenoid SLS
TCM-0114 Line pressure solenoid SLS
TCM-0115 Gear shift solenoid S3
TCM-0116 Throttle solenoid SLT
TCM-0117 Linear pressure solenoid SLT
TCM-0117 Throttle solenoid SLT
TCM-0118 Throttle solenoid SLT
TCM-0120 Control module
TCM-0121 Control module
TCM-0122 Control module
TCM-0122 Linear pressure solenoid SLS
TCM-0123 Control module
TCM-0123 Lock-up solenoid SLU
TCM-0124 Control module
TCM-0124 Linear pressure solenoid SLT
TCM-012A Neutral check
TCM-012B Neutral check

TCM-012C Neutral check
TCM-0190 Gear selector module (GSM)
TCM-0191 Gear selector module (GSM)
TCM-0192 Gear selector module (GSM)
TCM-0194 Gear selector module (GSM)
TCM-019B Gear selector module (GSM)
TCM-019C Gear selector module (GSM)
TCM-0212 Shift solenoid S3
TCM-0286 Hall sensor in gear selector
TCM-0287 Hall sensor in the gear selector
TCM-0291 Hall sensor in the gear selector
TCM-0292 Hall sensor in the gear selector
TCM-029A Transmission control module TCM
TCM-0350 Transmission
TCM-0A01 Communication control module
TCM-0A11 Gear position sensor
TCM-0A12 Gear position sensor
TCM-0A30 Communication control module
TCM-0A31 Communication control module
TCM-DD00 Control module communication
TCM-DD01 Communication control module
TCM-DD02 Communication control module
TCM-DD10 Communication control module
TCM-DF13 Control module communication
TCM-DF14 Control module communication
TCM-DF15 Control module communication
TCM-DF16 Control module communication
TCM-DF18 Control module communication
TCM-E000 Control module communication
TCM-E003 Configuration fault
TCM-E003 Control module communication
TCM-E010 Power supply

TMC

TMC-0001 Antenna TMC
TMC-0002 Antenna TMC

TRM

TRM-1A03 Control module
TRM-1A04 Control module
TRM-8B01 Parking lamps
TRM-8B02 Parking lamps
TRM-8C01 Fog lamps
TRM-8C02 Fog lamps
TRM-8D01 Left-hand stop lamp
TRM-8D02 Left-hand stop lamp
TRM-8D03 Right-hand stop lamp
TRM-8D04 Right-hand stop lamp
TRM-8D05 Stop lamps
TRM-8E01 Back-up (reversing) lamp
TRM-8E02 Back-up (reversing) lamp
TRM-8F01 Left turn signal lamp
TRM-8F02 Left turn signal lamp
TRM-8F03 Right turn signal lamp
TRM-8F04 Right turn signal lamp
TRM-E001 Control module communication
TRM-E003 Configuration fault
TRM-E010 Power supply

UEM

UEM-0004 Siren

UEM-0005 Sun roof
 UEM-0007 Reading lamp
 UEM-0008 Reading lamp
 UEM-0009 Reading lamp
 UEM-000A Movement sensor
 UEM-000B Movement sensor
 UEM-000C Mass movement sensor
 UEM-0011 Mass movement sensor
 UEM-0013 Movement sensor
 UEM-0014 Movement sensor
 UEM-001C General courtesy lighting
 UEM-001D Reading lamp
 UEM-001E Reading lamp
 UEM-001F Remote receiver
 UEM-0020 Rear view mirror
 UEM-0030 Reading lamp
 UEM-0031 Reading lamp
 UEM-0032 Reading lamp
 UEM-0033 Reading lamp
 UEM-0034 Reading lamp
 UEM-0035 Reading lamp
 UEM-0036 Reading lamp
 UEM-0037 Reading lamp
 UEM-0038 General courtesy lighting
 UEM-0039 General courtesy lighting
 UEM-003A Extended X supply [EXT_X]
 UEM-003C Cargo compartment lighting/3rd row reading lamps
 UEM-003D Cargo compartment lighting/3rd row reading lamps
 UEM-0041 Control unit
 UEM-0051 Sunroof
 UEM-0052 Sunroof motor
 UEM-0053 Sunroof motor
 UEM-0054 Sunroof motor
 UEM-0056 Sunroof motor
 UEM-0057 Sunroof motor
 UEM-0058 Sunroof motor
 UEM-0059 Sunroof motor
 UEM-0060 Sunroof motor
 UEM-0061 Sunroof motor
 UEM-0062 Sunroof motor
 UEM-0063 Sunroof motor
 UEM-0064 Sunroof
 UEM-0065 Sunroof
 UEM-0066 Sunroof
 UEM-0067 Sunroof
 UEM-0068 Sunroof
 UEM-0070 Sunroof
 UEM-0071 Control unit
 UEM-0072 Control unit
 UEM-0078 Siren
 UEM-0080 Rain sensor
 UEM-0081 Rain sensor
 UEM-0082 Rain sensor
 UEM-0083 Rain sensor
 UEM-0084 Rain sensor
 UEM-0090 PAD lamp
 UEM-0090 Rear view mirror, display
 UEM-0091 PAD lamp
 UEM-0091 Rear view mirror, display
 UEM-0092 Rear view mirror, display
 UEM-0093 Seat belt reminder
 UEM-0094 Seat belt reminder
 UEM-00A0 Tire pressure sensor
 UEM-00A1 Tire pressure sensor
 UEM-00A2 Tire pressure sensor
 UEM-00A3 Tire pressure sensor
 UEM-00A4 Tire pressure sensor
 UEM-00A5 Tire pressure sensor
 UEM-00A6 Tire pressure sensor
 UEM-00A7 Tire pressure sensor
 UEM-00A8 Tire pressure warning
 UEM-00A9 Control module
 UEM-E001 Control module communication
 UEM-E003 Configuration fault

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