

## PCMtuner Module Connections

The below is a list of current active modules and how they should be connected to your [PCMtuner hardware](#). When using OBD or OBD-vr read/write functions in vehicle it is advisable to use battery support. On some Diesel engines it is advisable to use Scantool and record any injector coding. Not all OBD can be connected with breakout on Bench as they rely on other components in car such as immob to allow programming Most MED/EDC/MEG17 ecu that can be read in OBD can also be read in Bench with module 71. Not all ECU's support identification with OBD-vr you may need to use scantool to get ECU information to find ORI file.

### **Bench**

**direct connection to ECU header pins on bench**

#### **BSL**

**Connection to ECU and to PCB (ecu opened) (expert)**

#### **OBD**

**Connection via Vehicle OBD socket**

#### **OBD-vr**

**Connection via Vehicle OBD socket, Virtual read only, or write only** **Module 1**

Ford Focus 3: 1.6L Sigma Ti-VCT 85/105/125PS (EMS2204)

Ford Focus 3: 1.6L, 2.0L PowerShift TCM (6DCT250)

#### **OBD-vr**

Ford Focus 3: 2.0L Duratec GDI Ti-VCT 150/170PS (MED17)

Ford Focus 3 ST: 2.0L Ecoboost GTDI 250PS (MED17)

#### **OBD**

### **Module 2**

Ford Focus 3: 1.0L Ecoboost 2015+ GTDI 100/125PS [FV6A] (MEDG17)

Ford Kuga 2: 1.6L Ecoboost GTDI AWD 150/182PS (MEDG17)

Ford Mondeo 5: 1.5L Ecoboost GTDI AT 150/180PS (MEDG17)

Ford Mondeo 5: 2.0L Ecoboost GTDI 200PS (MEDG17)

Ford Explorer 2011-: 3.5L Ecoboost V6 GTDI 360PS (MEDG17)

Ford Kuga 2: 2.5L Duratec Ti-VCT 150/171PS

Ford Mondeo 5: 2.5L Duratec Ti-VCT 150/171PS

Ford Explorer 2011-: 3.5L Cyclone V6 Ti-VCT 294PS

## **OBD**

### **Module 3**

Ford Focus 3: 2.0L DW10C STAGE 5 140/163PS (DCM3.5)

Ford Kuga 1: 2.0L DW10C STAGE 5 140/163PS (DCM3.5)

Ford Kuga 2: 2.0L DW10C STAGE 5 140/163PS (DCM3.5)

Ford Mondeo 4: 2.0L DW10C STAGE 5 140/163PS (DCM3.5)

## **OBD-vr**

Ford Mondeo 4: 1.8L Lynx, 2.0L DW10C STAGE 4 (SID206)

Ford Mondeo 5: 2.0L DW10F STAGE 5/6 150/180PS (DCM6.1)

Ford Focus 2: 1.8L, 2.0L Duratorq Lynx/DW10C (SID202/SID206)

## **OBD**

### **Module 4**

Ford Fiesta: 1.25L, 1.4L Sigma Ti-VCT (EMS2102)

Ford Fiesta: 1.6L Sigma Ti-VCT (EMS2101)

Ford Mondeo 4: 1.6L Sigma Ti-VCT 110/125PS (EMS2101)

## **OBD**

Ford Fiesta: 1.6L Sigma Ti-VCT USA [AE81] (EMS2205)

## **OBD-vr**

### **Module 5**

Ford Focus 3: 1.6L Ecoboost GTDI 150/180PS (MED17)

Ford Mondeo 4: 2.0L Ecoboost GTDI 200/240PS (MED17)

## **OBD**

### **Module 6**

Ford Focus 3: 1.0L Ecoboost GTDI 100/125PS (MED17)

Ford Kuga 2: 1.6L Ecoboost GTDI FWD 150PS (MED17)

Ford Fiesta: 1.0L Ecoboost GTDI 100/125PS (MED17)

### **OBDModule 7**

Ford Transit/Tourneo/Ranger, Land Rover Defender

Ford Transit 2007: 2.2L, 2.4L Diesel 85/100/115/140PS (DCU101-108, DCU201-208)

## **OBD**

Ford Transit 2012: 2.2L Diesel 100/125/140/155PS (SID208)

Land Rover Defender 2012: 2.2L TD4 (SID208))

Ford Ranger: 3.2L Diesel (SID209)

### **OBD+BSL**

Ford Transit 2012: 2.2L Diesel 100/125/140/155PS (SID208/BSL)

Ford Ranger: 3.2L Diesel (SID209/BSL)

### **OBD+BSL**

Ford Transit: 2.2L Diesel (SID211) [Unlocked]

### **OBD+BSL Module 53**

Ford Ranger: 2.5L Duratec (EMS2207)

### **OBD Writing only**

### **Module 8**

Mazda 1st generation (2004–2008/10)

Mazda: 1.6L Z6 AT (Mazda3 2004+)

Mazda: 1.6L Z6 MT (Mazda3 2004+)

Mazda: 1.3L ZJ (Mazda Demio 2003+)

Mazda: 1.8L, 2.0L, 2.3L L8/LF/L3 (Mazda3/6/CX7 2003+)

Mazda: 1.3L N3 (Mazda RX8 2003+)

Mazda: 1.3L N3 (Mazda RX8 -2008)

Mazda: 1.3L N3 (Mazda RX8 2009–2012)

Mazda: 2.0L LF USA (Mazda3 -2009/1MB)

## **OBD**

### **Module 9**

Mazda 2nd generation (2008/10-2012/13)

1.3L, 1.5L ZJ/ZY (Mazda2 2011+)

1.5L ZY (Mazda2 US 2011+)

1.6L Z6 (Mazda3 2010+)

1.8L, 2.0L, 2.5L L8/LF/L5 (Mazda6 2008+)

2.0L, 2.3L, 2.5L LF/L3/L5 (Mazda3/5/CX7 2010+)

2.0L LF (Mazda Biance 2013+/2MB)

## **OBD**

### **Module 10**

Mazda: 1.5L, 2.0L, 2.5L SKYACTIV-G P5/PE/PY (Mazda3/CX5/6 SkyActiv Mitsubishi)

Mazda: 1.5L, 2.0L, 2.5L SKYACTIV-G P5/PE/PY (Mazda3/CX5/6 SkyActiv Denso)

Mazda: 2.5T SKYACTIV-G PY (Mazda CX9 SkyActiv Mitsubishi)

Mazda: 2.2L SKYACTIV-D SH (Mazda3/CX5/6 SkyActiv Denso)

Mazda: 1.6L Z6 (Denso)

## **OBD**

### **Module 11.**

Mazda 3rd generation (2012+) crypto

Mazda: 1.5L, 2.0L, 2.5L SKYACTIV-G P5/PE/PY (Mazda3/CX5/6 SkyActiv Denso Crypted)  
Mazda: 2.2L SKYACTIV-D SH (Mazda3/CX5/6 Denso Crypted 2MB)

Mazda: 1.5L, 2.2L SKYACTIV-D S5/SH (Mazda2/3/CX5/6 Denso Crypted 3.75MB)

Mazda: 1.6L Z6 (Denso Crypted)

## **OBD**

### **Module 12**

Honda/Acura CAN-bus

Honda: Honda PGM-FI Generic Read-Only

Honda: Honda AT/CVT/DCT Generic Read-Only

PGM-FI (Keihin SH7058/1MB)

PGM-FI (Keihin SH72543/2MB)

PGM-FI (Keihin SH72546/3.75MB)

PGM-FI (Keihin MPC5566/3MB)

PGM-FI (Keihin TC1782/2.5MB)

AT/CVT/DCT (Keihin 512KB)

AT/CVT/DCT (Keihin 1MB)

PGM-FI (Matsushita SH7058/1MB)

PGM-FI (Matsushita SH72543/2MB)

PGM-FI 2013+ (Matsushita SH72543/2MB) (Test)

PGM-FI (Panasonic TC179X/4MB)

AT/CVT/DCT (Matsushita 512KB) (Test)

**Honda:** PGM-FI (Continental MPC5554/2MB)

PGM-FI (Hitachi SH7058/1MB) (Test)

PGM-FI (Hitachi SH7059/1.5MB) (Test)

PGM-FI (Hitachi SH72543/2MB)

PGM-FI (Hitachi MPC5554/2MB) (Test)

AT/CVT/DCT (Hitachi SH72531/1280KB)

AT/CVT/DCT (Hitachi SH725x3/2048KB)

Reading, writing, checksum correction.

UDCT (Continental TC1782/2.5MB)

## **OBD**

### **Module 13**

Honda/Acura K-Line

Honda: Accord 7 2003-2005 (Matsushita RBA/RBB SH7055/512KB)

Honda: Accord 7 2006-2007/TSX 2004-2005 (Matsushita RBA/RBB SH7055/512KB)

Acura: TSX 2006 (Matsushita RBB A56-A62 SH7058/1MB)

Honda: Accord/CR-V/Element/Legend/Odyssey/Ridgeline (Keihin SH7058/1MB)

Honda: Element/Inspire (Keihin SH7055/512KB)

Honda: Legend/Acura TL 2005-2007 (Keihin RJA SH7058/1MB)

Honda: CR-V 2002/2005-2007 (Keihin PPA/PNL SH7058/1MB)

Honda: Fit/Jazz/Airwave 2001-2007 (Keihin OKI ML66Q592/192KB)

Acura: MDX 2003-2007 (Motorola RDJ SH7055/512KB)

Honda: Accord 7 USA (Motorola RCA SH7055/512KB SH7058/1024K)

## **OBD-vr**

### **Module 14**

Petrol engines 1.6L, 2.0L, 2.3L, 2.5L Ford Mondeo 4

Ford Mondeo 4: 1.6L Sigma Ti-VCT 110/125PS (EMS2101)

Ford Mondeo 4: 2.0L Duratec HE (ESU312 Galaxy/S-Max 2006)

Ford Mondeo 4: 2.0L, 2.3L Duratec HE (ESU412/415)

Reading, writing, checksum correction.**OBD**

Ford Mondeo 4: 2.5L Duratec I5 225PS (ME9.0)

**OBD-vr** VBF writing and VBF to BIN conversion is supported!

### **Module 15**

Nissan/Infinity K-Line

EFI SH705415N (Hitachi SH7054/384KB)

EFI SH705507N (UJ/Hitachi SH7055/512KB)

EFI SH705513N (Hitachi SH7055/512KB)

EFI SH705520N (Hitachi SH7055/512KB)

EFI SH705821N (Hitachi SH7058/1MB)

EFI SH705823N (Hitachi SH7058/1MB)

EFI SH705524N Almera Classic (Hitachi SH7055/512KB)

EFI SH705529N Almera Classic (Hitachi SH7055/512KB)

EFI SH705826N (Hitachi SH7058/1MB)

### **OBD**

### **Module 16**

Subaru Hitachi

Forester, Impreza, Legacy 2000-2002 K-Line (UJ WA12212920/128KB)

Forester, Impreza, Legacy 2000-2002 K-Line (UJ WA12212930/256KB)

Forester, Impreza, Legacy 2002-2005 K-Line (UJ/Hitachi WA12212940/384KB)

Forester, Impreza, Legacy 2002-2005 K-Line (UJ/Hitachi WA12212970/512KB)

## **OBD**

Forester 2006, Impreza 2006-2007 K-Line (Hitachi WA12212970WWW/512KB)

Forester 2007-2008, Impreza 2008+, Legacy 2006+ CAN (Hitachi  
WA12212970WWW/512KB)

Forester 2009-2011/Legacy 2010-2011 CAN (Hitachi SH7058/1MB)

Forester 2013+ CAN (Hitachi SH7059/1.5MB)

Forester 2013+ CAN (Hitachi SH7254/2MB)

## **OBD**

### **Module 17**

Volkswagen K-Line

1.6L CFNA/CFNB/CLRA 7GV K-Line (Marelli 7GV/832KB)

1.4L CGGB K-Line (Marelli 7GVE/832KB)

1.6L BFQ K-Line (Simos 3.3A/512KB)

1.4L BUD/BXW/CGGA/CGGB K-Line (Marelli 4HV/832KB)

1.6L BSA/BSE/BSF Calibration K-Line (Simos 7.1/512KB)

1.6L BSA/BSE/BSF Calibration K-Line (Simos 7PP/1MB)

1.2L BME/BZG/CGPA Calibration K-Line (Simos 9.1/512KB)

## **OBD**

### **Module 18**

Nissan/Infinity CAN-bus

EFI Generic Read-Only (Hitachi)

EFI SH705519N (Hitachi SH7055/512KB)



EFI SH705822N, SH705828N (Hitachi SH7058/1MB)EFI SH705927N (Hitachi SH7059/1.5MB)

EFI SH725331N (Hitachi SH72531/1.25MB)

EFI S7253332N (Hitachi SH72533/2MB)

Koleos/Latitude 2.5 SH705822N (Hitachi SH7058/1MB)

Koleos 2 2.5L S7253332N (Hitachi SH72533/2MB)

## **OBD**

### **Module 19**

Kia/Hyundai

Kia/Hyundai: 1.4L, 1.6L (M(G)7.9.8)

Kia/Hyundai: 1.1L-1.6L (M(G)7.9.7)

### **OBD-vr**

Kia/Hyundai: 1.4L, 1.6L (ME17.9.11/12/13)

Kia/Hyundai: 1.4L, 1.6L (ME(G)17.9.21)

Kia/Hyundai: 1.6L, 3.0L (ME17.9.2/ME(D)(G)17.9.8)

## **OBD**

### **Module 20**

Ford Focus 2/Fiesta/Fusion (automatic transfer for VID area)

Ford Focus 2: 1.4L, 1.6L Duratec 85/100/115PS (SIM28/29)

Ford Focus 2: 1.8L, 2.0L Duratec HE 125/145PS (ESU131/411/418)

Ford Focus 2: 1.8L, 2.0L Duratorq Lynx/DW10C (SID202/SID206)

Ford Fiesta/Fusion: 1.4L, 1.6L Duratec 85/100PS (SIM210)

Ford Focus 2 ST: 2.5L Duratec I5 225PS (ME9.0)

## **OBD**

Ford Kuga 1: 2.5L Duratec I5 200PS (ME9.0)

## **OBD-vr**

### **Module 21**

Ford USA (automatic transfer for VID area)

Mazda6 3.0L AJ 2003-2005

Escape, Explorer, Mazda CX9 -2009 (PCM150F)

Explorer, Mazda CX9 2010-2011/2012 (M799G)

Focus 2008-2011 (GreenOak/PCM190)

Escape, Mariner, Tribute 2009-2011 (9L8A)

Ford F350 6.0L (BlackOak/PCM122/448KB)

Expedition, Navigator 5.4L (Bosch ME9.8/2048KB)

F-150 5.4L (Bosch MEG9.8.1/2536KB)

Mustang 2005-2009 (PCM170F)

## **OBD**

### **Module 22**

Renault

Valeo V40/V42 (SH7058/1024KB)

Sagem 3000 (SH7055/512KB)

EMS3110 (TC1766/1504KB)

Logan, Sandero, Fluence, Megane, Almera EMS3120 (TC1738/2048KB)

Duster, X-Ray EMS3125 (TC1782/2560KB)Clio 4 1.6T EMS3150 (TC1767/2048KB)

Nissan: Juke 1.2T EMS3155 (TC1782/2560KB)

## **OBD**

### **Module 23**

## Subaru Denso

2.5L, 3.0L, 2.0T, 2.5T Denso 2003+ K-Line (SH7055/512KB)

2.5L, 3.0L, 2.0T, 2.5T Denso 2003+ K-Line (SH7055S/512KB)

2.5L, 3.0L, 2.0T, 2.5T Denso 2003+ K-Line (SH7058/1MB)

2.5L, 3.0L, 2.0T, 2.5T Denso 2007+ CAN-bus (SH7058S/1MB)

2.0L, 2.5L, 3.0L, BRZ Denso 2013+ CAN-bus (SH72531/1.25MB)

1.6L, 2.0L DI Denso 2018+ CAN-bus (1N83M/1.5MB)

2.0L Denso Diesel Euro 4 CAN-bus (SH7058S/1MB)

2.0L Denso Diesel Euro 5 CAN-bus (SH7059/1.5MB)

2.0L Denso Diesel Euro 6 CAN-bus (SH72543/2MB)

## **OBD**

### **Module 24**

Mitsubishi CAN-bus

Colt MT (MH8304F/512KB)

Colt AT (MH8304F/768KB)

Colt RallyArt 1.5T (MH8104F/512KB)

Pajero AT (2007-) (MH8304F/768KB)

Pajero Sport (2010-) (MH8106F/1MB)

L200 2.4L MT (2008-) (MH8302F/512KB)

Lancer X 1.5L (2007-), Outlander XL JDM (MH8104F/512KB)

ASX (-2013), Lancer X 1.6/1.8/2.0L, Outlander XL (MH8106F/1MB)

ASX (2013-), Mirage, Outlander 3 (2013-) (MH8115F/1.25MB)

Galant 9 2.4L (2005-) (MH8304F/768KB)

Pajero MT (2007-) (MH8302F/512KB)

Eclipse Cross (2018-) (MH8601/4MB) (MH8115F/1.25MB)

Expander (2018-) (MH8611/2MB)

## **OBD**

### **Module 25**

Renault/Nissan 1.5dCi

1.5L dCi Delphi DCM 1.2 (ST10/512KB)

1.5L dCi Delphi DCM 3.4 (SH7059/1536KB)

1.5L dCi SID 301/303/304 (MPC562/2MB)

1.5L dCi SID 305/306 (TC1766/1504KB)

1.5L dCi SID 307 (TC1767/2MB)

2.3L dCi SID 309 (TC1767/2MB)

Nissan Juke 1.5L dCi SID 310 (TC1767/2MB)

## **OBD.**

### **Module 26**

Mitsubishi Diesel CAN-bus

Denso Diesel (SH7058/SH7058S/1MB SH7059/1.5MB SH72543/2MB)

### **OBDModule 27**

Nissan CAN-bus 2nd generation

EFI SH72533 Gen 2 (2014+) Calibration (Hitachi SH72533/2MB)

Renault Samsung 1.6T (Hitachi SH72533/2MB)

## **OBD**

### **Module 29**

Ford PWM

Mondeo 3 1.8L, 2.0L, 2.5L, 3.0L Duratec HE (LEVANTA)

EEC-V 216K (EEC-V)

3.0L, 4.0L, 4.6L Duratec V6/V8 (PCM150)

### **OBD**

1.8L, 2.0L, 2.2L Duratorq TDCi (Visteon)

1.8L, 2.0L, 2.2L Duratorq TDCi (Delphi)

### **OBD**

### **Module 30**

Kia/Hyundai SIM2K

2.0L, 2.4L (SIM2K-140)

2.0L, 2.5L (SIM2K-D160)

2.0L, 2.4L (SIM2K-141/142/341)

2.0L (SIM2K-C201)

2.0L, 2.0T (SIM2K-240/241/242/245)

### **OBD**

### **Module 31**

Mitsubishi K-Line

K-Line/Bootloader (MH720xF/MH810xF/MH820xF/MH830xF/MH8115)

### **OBD**

### **Module 32**

Ford Focus 3 2015, Ford Explorer 2016, Ford Kuga 2 2017

Ford Fiesta: 1.0L Ecoboost GTDI 100/125PS [C1BA] (MED17)

Ford Focus 3 2015: 1.0L Ecoboost 2015+ GTDI 100/125PS [DA6A] (MED17)

Ford Focus 3 2015: 1.5L Ecoboost 2015+ GTDI 150/180PS [FV6A]  
(EMS2510/EMS2511)

Ford Kuga 2 2017: 1.5L EcoBoost 2015+ GTDI 150/180PS [FV6A]  
(EMS2510/EMS2511)

Ford Explorer 2016: 3.5L Cyclone V6 Ti-VCT 249/294PS (2016)

Ford Mondeo 5: 1.5L EcoBoost GTDI MT 150/180PS (MED17)

Ford Mondeo 5: 2.5L Duratec Ti-VCT 150/171PS [GV6A] (EMS24XX)

## **OBD**

### **Module 33**

Ford EcoSport/Fiesta 2015+

2.0L Duratec HE 140PS (IAW 7GFR.HR)

## **OBD**

1.6L Sigma Ti-VCT 85/105/110/122PS (EMS2211) 1.6L Sigma Ti-VCT USA [C1BA]  
(EMS2214)

## **OBD-vr**

### **Module 34**

Kia/Hyundai EDC15/EDC16

2.0L, 2.5L CRDI K-Line (EDC15C7)

2.0L, 2.2L, 2.5L CRDI K-Line Calibration (EDC16C39)

3.0L CRDI K-Line Calibration (EDC16CP34)

## **OBD**

2.0L, 2.2L, 2.5L CRDI (EDC16C39)

3.0L CRDI (EDC16CP34)

## **OBD-vr**

### **Module 35**

Toyota/Lexus/Scion/Hino

76F0038/39/40/70/85, MPC565/SH72512/SH72544 CAN-bus

76F0038/39/40/50/70/85, 70F4019 GearBox CAN-bus

76F0038/39/40/50/70/85 HV Control CAN-bus

76F0004/23/38/39/40/70/85, MPC565 K-Line

### **OBD-vr**

#### **Module 36**

Kia/Hyundai EDC17

1.6L, 2.0L CRDI (EDC17C08/TPROT3)

2.0L, 2.2L CRDI (EDC17CP14/TPROT3)

2.0L, 2.2L CRDI (EDC17CP14/TPROT11)

1.6L, 2.0L CRDI (EDC17C53)

### **OBD**

2.2L CRDI (EDC17C57) (after unlocking with Module 53 or 71)

### **OBD+BSL**

#### **Module 38**

Renault K-Line

Duster 1.6L 2WD EMS3130 (ST10/512KB)

EMS3132 MT (C167/256KB)

EMS3134 AT (C167/512KB)

Sagem 3000 (SH7055/512KB)

Sirius 35 (C167/512KB)

### **OBD**

#### **Module 40**

Kia/Hyundai SIMK

2.0L, 2.7L K-Line (SIMK-41/43)

2.0L, 2.4L CAN (SIMK-43/SIM2K-47)

## **OBD**

**Module 42** Denso SH705X Bootloader

SH7055/SH7058(S)/SH7059 FLASH (512KB/1024KB/1536KB)

## **OBD**

Mazda3 Z6 -2009 SH7055/SH7058 EEPROM (56)

Mitsubishi/Nissan/Subaru Diesel SH7058(S)/SH7059 EEPROM (86)

Subaru Metal-Case SH7055/SH7058 EEPROM (56)

Subaru Plastic-Case SH7058 EEPROM (86)

Subaru Plastic-Case SH7058S EEPROM (56)

Subaru Plastic-Case SH7058S EEPROM (86)

Suzuki Liana/Jimny SH7055 EEPROM (56)

Suzuki SH7055/SH7058 EEPROM (56)

Suzuki SH7058S EEPROM (56)

Volvo SH7058 EEPROM (56)

Opel 1.7L CDTI SH7058/SH7059 EEPROM (86)

Trucks SH7058(S)/SH7059 EEPROM (25A320/640/128)

## **OBD-vr**

**Module 43**

Land Rover EDC17CP42/MED17

Freelander 2/Evoque/Discovery Sport 2.2L I4 Diesel (EDC17CP42)

Ford Mondeo 4 2.2L DW12C STAGE 5 (EDC17CP42)

Freelander 2 2.2L I4 Diesel (EDC16CP39)

Freelander 2/Evoque 2.0L Ecoboost GTDI (MED17)



Jaguar XF (X250) 2.0L Ecoboost GTDI (MED17.9.7)

## **OBD**

### **Module 45**

MB Sprinter 906/909 EDC16CP31

Sprinter (906) 2.2L CDI (EDC16CP31-6)

Sprinter (909) 2.2L CDI (EDC16CP31-8)

Dodge Sprinter (906) 3.0L CDI (EDC16CP31-6)

## **OBD**

### **Module 46**

Toyota/Lexus/Scion/Hino 2 Generarion

76F0196/198/199/219 CAN-bus

## **OBD-vr**

76F0196/198/199/219 P5-CAN-bus

76F0199 GearBox P5-CAN-bus

## **OBD**

### **Module 47**

Mitsubishi Gearbox CAN-bus

CVT Lancer X/ASX 1.8/2.0L, Outlander XL/3 2.0/2.4L (MH8104F/512KB  
MH8106F/1MB)

AT Pajero Sport (2010-), Lancer X 1.5/1.6L (MH8102F/512KB)

AT Outlander XL 3.0L (MH8104F/512KB)

## **OBD**

TC-SST Getrag 6DCT470

Getrag 6DCT470 Boot (MICRO)

Getrag 6DCT470 Boot (EEPROM)

**OBDCVT ASX/Outlander 3/Eclipse Cross 1.5T/2.0L/2.4L (MH8115F/1.25MB)**

**OBD**

**Module 48**

VAG ME(D)17 UDS

1.4L, 1.8L TSI (MED17.5/MED17.5.2/MED17.5.5)

1.0L, 1.2L, 1.4L TSI (MED17.5.21/MED17.5.25/MED17.1.27)

1.0L, 1.6L MPI (ME17.5.20/ME17.5.24/ME17.5.26)

1.4L TSI, 2.0L, 2.5L, 4.0L TSI, 4.2L FSI (MED17.1/17.1.1/17.1.10/17.1.61/17.1.62)

1.4L TSI, 3.6L FSI (MED17.1.6/MED17.1.21)

5.2L FSI Master/Salve (MED17.1.1)

**OBD-vr**

**Module 50**

VAG EDC17CP44, EDC17C46, EDC17C64

2.0L, 3.0L TDI (EDC17CP04/EDC17CP14/EDC17CP20/EDC17CP24)

3.0L TDI (EDC17CP44)

4.2L TDI (EDC17CP24/EDC17CP44)

2.0L TDI (EDC17C46)

2.0L TDI (EDC17C54)

1.6L, 2.0L TDI (EDC17C64)

2.0L TDI (EDC17C74)

3.0L TDI (EDC17CP54)

**OBD-vr**

\*These may also work in Module 71

## **Module 52**

Kia/Hyundai Delphi MT38/86

2.7L, 3.3L, 3.8L (MT38/CAN)

### **OBD-vr**

2.7L, 3.3L (MT38/K-Line)

2.7L, 3.3L, 3.8L (MT38/BSL)

3.3L, 3.8L, 5.0L (MT86)

### **OBD**

## **Module 53 (EXPERT MODULE)**

Infineon Tricore BSL

TC1762/TC1766 MICRO (1504KB)

TC1762/TC1766 EEPROM (32KB)

TC1792/TC1796 MICRO (2048KB)

TC1796 MICRO+EXT (4096KB/6144KB)

TC1796 EXT (2048KB/4096KB)

TC1792 EEPROM (64KB)

TC1796 EEPROM (128KB)

TC1738/TC1767 MICRO (2048KB)

TC1738/TC1767 EEPROM (64KB)

TC1797 MICRO (4096KB)

TC1797 EEPROM (64KB)

TC1797 MICRO+EXT (6144KB/8192KB)TC1797 EXT (2048KB/4096KB)

TC1724/TC1728 MICRO (1536KB)

TC1724/TC1728 EEPROM (64KB)

TC1782/TC1784 MICRO (2560KB)

TC1782/TC1784 EEPROM (128KB)

TC1791/TC1793 MICRO (4096KB)

TC1791/TC1793 EEPROM (192KB)

TC1791/TC1793 MICRO+EXT (6144KB/8192KB)

TC1791/TC1793 EXT (2048KB/4096KB)

Delphi MT86 EEPROM (16KB)

Delphi CRD3.1 EEPROM (32KB)

Bosch, Siemens/Continental, Delphi ECUs, etc. Reading, writing, checksum correction for

most ECUs.

Possible password reading for SIM2K-24x, Ford EMS22XX, Ford SID20X, Bosch, Bosch

GPT, etc.

## **BSL**

### **Module 54**

Delphi DCM3.7/AP (SH72513/72543/72544)

Kia/Hyundai 2.5L CRDI (DCM3.7AP)

Opel/Chevrolet 2.0L, 2.2L CDTI (DCM3.7)

SsangYong 2.0L XDI (DCM3.7AP)

VAG 1.2L TDI (DCM3.7)

Great Wall/Haval 2.0L TD (DCM3.7)

## **OBD.**

### **Module 55**

Kia/Hyundai Kefico/Denso

Kia/Hyundai 2.5L CRDI (SH72546)

Hyundai Euro 5 (Denso SH7058S)

Hyundai Euro 6 (Denso SH72543)

## **OBD**

### **Module 56**

Ford SID807EVO/EDC17C10/EDC17C70

Ford Focus 3: 1.6L DV6C (SID807EVO)

Ford Mondeo 4: 1.6L DV6C (SID807EVO)

### **OBD** Writing after unlocking

Ford 1.6L DV6C (SID807EVO/BSL) **BSL UNLOCK READ**

Ford Focus 3: 1.6L EConetic 105PS 2012+ (EDC17C10)

Ford Fiesta: 1.4L, 1.6L DV4/DV6 75/95PS 2010-2011 (EDC17C10)

Ford Fiesta: 1.5L, 1.6L DV5/DV6 70/75/95PS 2012+ (EDC17C10)

Ford Focus 3: 1.5L DV5F 90/105/120PS (EDC17C70)

Ford Fiesta: 1.5L DV5F 90/105/120PS (EDC17C70)

## **OBD**

### **Module 57**

SIMOS 8/10/11/12/PCR2.1

2.8L V6 FSI (SIMOS8.1)

3.2L V6 FSI (SIMOS8.2)

## **OBD**

3.0L V6 TFSI (SIMOS8.3) 3.0L V6 TFSI (SIMOS8.4)

3.0L V6 TFSI (SIMOS8.5)

## **OBD-vr**

2.8L V6 FSI (SIMOS8.6)

**OBD** (map area reading/writing after unlocking in BSL!)

SIMOS8.6 (EEPROM/UNLOCK/BSL)

**OBD** (EEPROM reading/writing, ECU unlocking)

1.2L TSI (SIMOS10)

1.2L MPI (SIMOS11)

1.8L TSI (SIMOS12.1/SIMOS12.2)

2.0L TSI (SIMOS12.1/SIMOS12.2) й

**OBD-vr**

1.6L TDI (PCR2.1)

**OBD-vr** (map area reading/writing after unlocking in BSL!)

PCR2.1 (EEPROM/UNLOCK/BSL)

**BSL**(EEPROM reading/writing, ECU unlocking).

**Module 58**

VAG DSG/CVT

DQ200MQB/G2 (0CW)

DQ250MQB (0D9)

**OBD**

VL381/DL382 (0AW/0CK)

DL501/G2 (0B5)

DQ200 (0AM)

DQ250E/F (02E)

VL300/V30 (01J/0AN)

**OBD-vr**

DQ200/MQB/G2 Boot (EEPROM)

DQ250E/F/MQB Boot (EEPROM)

DL501/G2 Boot (EEPROM)

VL381 Boot (EEPROM)

DL382 Boot (EEPROM)

Honda UDCT Boot (Continental TC1782/EEPROM)

### **OBD-vr**

DQ200/MQB/G2 Boot (MICRO)

DQ250E/F/MQB Boot (MICRO)

VL381 Boot (MICRO)

DL501/G2 Boot (MICRO)

DQ500 (OBH/OBT)

VL300/V30 BSL (FLASH)

VL300/V30 BSL (EEPROM)

DQ250C (02E)DL382 Boot (MICRO)

Honda UDCT Boot (Continental TC1782/MICRO)

### **OBD**

#### **Module 59**

Renault/Nissan UDS

1.2T EMS3155 UDS (TC1782/2.5MB)

1.5L dCi SID309 UDS (TC1767/2MB)

1.5L, 2.3L dCi SID310 UDS (TC1791/3MB)

1.6L dCi EDC17C84 UDS (TC1782/2.5MB)

1.8T, 2.0T Hitachi UDS (RH850/4MB)

## **OBD**

1.6L dCi EDC17C84 UDS (Injectors)

## **OBD-vr**

### **Module 60**

Citroen/Peugeot (PSA) SID208

Citroen/Peugeot 2.2L HDi (SID208)

**OBD** (reading/writing after unlocking in BSL!)

Citroen/Peugeot 2.2L HDi (SID208/BSL)

**BSL** (Reading, unlock.)

### **Module 61**

Kia/Hyundai CPGDSH/CPEGD

1.6L (CPGDSH2.24.1/CPEGD2.20.1/UDS)

## **OBD**

1.4T, 1.6L (CPEGD2.20.3/CPEGD2.20.4/UDS) - requires direct connection to the ECU

1.0L, 1.2L (CPEGP2.10.1/CPGPSH2.14.1/UDS)

**OBD** bench

### **Module 62**

Ford/Getrag 6DCT450

PowerShift TCM (6DCT450)

PowerShift 6DCT450 Boot (MICRO)

PowerShift 6DCT450 Boot (EEPROM)

PowerShift 6DCT451 TCM GGDS

PowerShift 6DCT451 [XPS6 Gen3] Boot (MICRO)

PowerShift 6DCT451 [XPS6 Gen3] Boot (EEPROM)



## **OBD**

### **Module 63**

Renault DC4

EDC DC4 Gearbox (TC1766/1506KB)

## **OBD**

### **Module 64**

Mitsubishi Fuso Canter

Fuso Canter (EDC7C4-6/EDC16C31)

Fuso Canter Euro 5 CAN-bus (EDC17CP15) Fuso Canter Euro 5 CAN-bus (EDC17CP52)

## **OBD**

### **Module 65**

VAG MED17/EDC17 CAN TP2.0/K-Line

DC17U01/U05/CP04/CP14 K-Line

ME17/MED17/EDC17 CAN TP2.0

EDC17CP20 VW Crafter 2.5L TDI

## **OBD-vr**

### **Module 66**

Honda Bosch

PGM-FI (Bosch EDC17CP06/EDC17CP16/2MB)

## **OBD**

PGM-FI (Bosch EDC17CP50/4MB) [Unlocked]

PGM-FI (Bosch EDC17C58/4MB) [Unlocked]

PGM-FI (Bosch EDC17C72/2.5MB) [Unlocked]

PGM-FI (Bosch MED17.9.3/4MB) [Unlocked]

PGM-FI (Bosch ME17.9.55/1.5MB) [Unlocked]

**OBD-vr** affter unlocking with Module 53 or 71, checksum correction.

### **Module 67**

Nissan Bosch

EFI ME7.9.20 Calibration (Bosch ST10F275 EXT/512KB)

**OBD-vr**

### **Module 68**

JLR Denso

Freelander 2 (L359) 3.2L V6 233PS (Denso)

Jaguar XF/XJ/XK (X250/X350/X351/X150) 3.0L V6, 3.5L V8, 4.2L V8/SC (Denso)

Range Rover/Sport/Discovery 3 4.0L V6, 4.4L V8, 4.2L V8/SC (Denso)

Range Rover (L320/L322/L319), Jaguar (X150/X250/X351) 5.0L V8/SC (Denso)

**OBD**

### **Module 69**

Mercedes-Benz MED17/EDC17

MED17.7.1/17.7.2/17.7.3/17.7.3.1/17.7.5

**OBD-vr**

MED17.7.1/17.7.2/17.7.3/17.7.3.1

**OBD**

EDC17CP01/CP10 (only ECUs with extrenal FLASH memory)

EDC17CP46/CP57/CP60/C66

**OBD**

M156/M272/M273 (ME9.7)

**OBDModule 70**

Jeep EDC17

2.8L CRDI (EDC17CP27) [Test]

3.0L CRDI (EDC17C49/C79) reading may require direct connection to the ECU

## **OBD**

### **Module 71**

Bosch MEDC17 Bootloader

(direct connection to the ECU connector, PCMtuner cable and a power supply are required)

MEDC17 (TC1762/1766/1792/1796) FLASH

MEDC17 (TC1724/1728/1767/1782/1784/1797) FLASH

MEDC17 (TC1791/1793) FLASH

Reading, writing, checksum correction.

### **Bench**

MEDC17 (TC1762/1766/1792/1796) EEPROM

MEDC17 (TC1724/1728/1767/1782/1784/1797) EEPROM

MEDC17 (TC1791/1793) EEPROM

Reading, writing.

### **Bench**

MEDC17 BSL PASSWORD

Reading.

## **BSL**

### **Module 72**

#### **Mazda Gen 4**

1.5L, 2.0L, 2.5L SKYACTIV-G P5/PA/PE/PY MY2019 (Mitsubishi) [PYFA]

1.5L, 2.0L, 2.5L SKYACTIV-G P5/PA/PE/PY MY2019 (Denso) [PYFB]

**OBD .**

**Module 74**

Toyota/Lexus Gen 3

R7F701202/R7F701216 P5-UDS

**OBD**