

## **Australian 17.2 Software Release Details**

**17.2**

Australian Manufacturers:	Pages 2 - 19
European Manufacturers:	Pages 20 - 29
USA Manufacturers:	Page 30 - 31
Component Tester/Troubleshooter:	Pages 32 - 33

### **Australian Manufacturers New for 17.2**

**<< Quick Stats for Australian 17.2 Software >>**

#### **New for 17.2 (from 16.4):**

***NEW MANUFACTURER – HARLEY DAVIDSON MOTORCYCLES\****

*\*Requires separate hardware purchase. See USA Manufacturers Page 31 for details*

***CTM Update for 6 Australian makes including popular Holden, Hyundai, Mitsubishi & Nissan diesel models!***

***More Isuzu truck coverage, with 4 new 2016 F & N Series models added!***

***Over 232 NEW, EXPANDED or ENHANCED Australian system selections for 17.2!***

***2016 Model year coverage for 16 manufacturers in Australian software!***

***13 Australian manufacturers receive new or updated content in 17.2!***

***Over 14 New Australian models & model variants!***

***83 existing models updated to 2016!***

***New or enhanced content for Australian models from 2006 – 2016!***

***30 new system type selections across 8 Australian makes!***

## Ford

- **One Touch Code Scan & Clear All Codes extended to the 2016 model year!**

### **New Models Added:**

- **Focus LZ "RS" 2.3L-T (2016):**
  - Engine, Antilock Brakes, Airbag, Accessory Protocol Interface Module, All Wheel Drive Module, Audio Control Module, Body Control Module, Digital Signal Processing Module, Driver & Passenger Door Modules, Electronic Air Temperature Control, Electronic Power Steering, Front Control Interface Module, Front Control/Display Interface Module, Generic Function Module 2, Global Positioning System Module, Headlamp Control Module, Instrument Panel, Image Processing Module A (Lane Assist System), Occupant Classification System Module, Parking Aid Module, Remote Function Actuator, Steering Wheel Angle Sensor Module, Side Obstacle Detection Left, Side Obstacle Detection Right & Tyre Pressure Monitoring System
  - Coverage Highlights:
    - **Up to 26 systems supported!**
    - *ABS coverage includes Lateral Acceleration, Longitudinal Acceleration, Pressure Sensor & Steering Sensor calibrations*
    - *Tyre Pressure Monitoring System training mode supported (requires TPMS sensor activation tool, sold separately)*
- **Mustang 2.3L-T & 5.0L (2015-2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Audio Control Module, Body Control Module, Accessory Protocol Interface Module, Body Control Module B, Digital Audio Control Module C, Digital Signal Processing Module, Front Control Interface Module, Global Positioning System Module, Gateway Module A, Instrument Panel Control Module, Occupant Classification System Module, Parking Aid Module, Power Steering Control Module, Radio Transceiver Module, Steering Column Module & Seat Control Module E
  - Coverage Highlights:
    - **Up to 20 systems supported!**
    - *5.0L engine coverage includes functional tests & special functions:*
      - *Cylinder Contribution Test*
      - *Misfire Monitor Neutral Profile Correction – It is required that this test is performed after internal engine repairs, CKP sensor replacement or PCM replacement*
      - *Relative Compression Test*
      - *Reset Keep Alive Memory*
    - *5.0L Transmission coverage includes Reset Keep Alive Memory & Adaptive Learning functions*

### **Models Updated to 2016:**

- **EcoSport, Everest, Falcon, Fiesta, Focus, Kuga, Mondeo, Ranger & Territory**

### **New Systems Added:**

- **Kuga TF MKII 2.0L-DT & 2.0L-T (2015-2016):**
  - Front Distance Sensing Module – code functions & data
  - Headlamp Control Module - code functions & data
  - Steering Wheel Angle Sensor Module – code functions & data

## Ford (continued)

### New Systems Added (continued):

- **Kuga TF MKII 1.5L-T (2015-2016):**
  - Steering Wheel Angle Sensor Module – code functions & data
- **Everest 3.2L-DT (2015-2016):**
  - Adaptive Cruise Control Module – code functions & data
  - Digital Audio Control Module C – code functions & data
  - Door Modules (Driver & Passenger) – code functions & data
  - Front Control/ Display Interface Module – code functions & data
  - Gateway Module – code functions & data
  - Headup Display Module – code functions & data
  - Image Processing Module A (Lane Assist) – code functions & data
  - Radio Transceiver Module (found in TPMS menu) – code functions & data
  - Rear Gate/ Trunk Module – code functions & data
  - Rear Heating Ventilation Air Conditioning – code functions, data & functional tests
  - Steering Column Control Module – code functions & data
  - Trailer Module – code functions & data
  - Transfer Case Control Module – code functions & data
  - Tyre Pressure Monitor – code functions, data & special function: *TPM Sensor Training Mode (requires TPMS sensor activation tool, sold separately)*
- **Ranger PX MKII 2.2L-DT (2015-2016):**
  - Rear Gate/ Trunk Module – code functions & data
  - Steering Column Control Module – code functions & data
  - Trailer Module – code functions & data
  - Transfer Case Control Module – code functions & data
- **Ranger PX MKII 3.2L-DT (2015-2016):**
  - Adaptive Cruise Control Module – code functions & data
  - All Terrain Control Module - code functions & data
  - Digital Audio Control Module C – code functions & data
  - Door Modules (Driver & Passenger) – code functions & data
  - Front Control/ Display Interface Module – code functions & data
  - Headup Display Module – code functions & data
  - Image Processing Module A (Lane Assist) – code functions & data
  - Radio Transceiver Module (found in TPMS menu) – code functions & data
  - Rear Gate/ Trunk Module – code functions & data
  - Steering Column Control Module – code functions & data
  - Trailer Module – code functions & data
  - Transfer Case Control Module – code functions & data
  - Tyre Pressure Monitor – code functions, data & special function: *TPM Sensor Training Mode (requires TPMS sensor activation tool, sold separately)*

### Added Functionality for Existing Systems:

- **Kuga TF MKII 1.5L-T, 2.0L-DT & 2.0L-T (2015-2016):**
  - Power Steering Control Module - Special Function: *Reset Pull Drift Compensation Data*
- **Kuga TF MKII 2.0L-DT (2015-2016):**
  - Diesel engine – *Injector Programming*

## Hino

### Models Updated to 2016:

- 300 & 500

### New Systems Added:

- **300 4.0L-DT (2012-2016):**
  - Transmission – code functions & data
  - Immobiliser (2012-2014) – code functions & data

## Holden

### New Systems Added:

- **Astra J 1.6L-T (2015-2016):**
  - Chassis Control Module Fuel Pump - code functions, data, functional tests & special function: *Fuel Pump Trim Reset*
  - Digital Radio Receiver Control Module – code functions, data, functional tests & special function: *CAN Bus Configuration Learn*
- **Astra J VXR 2.0L-T (2015-2016):**
  - Chassis Control Module Fuel Pump - code functions, data, functional tests & special function: *Fuel Pump Trim Reset*
  - Digital Radio Receiver Control Module – code functions, data, functional tests & special function: *CAN Bus Configuration Learn*
  - Suspension Control Module – code functions, data & functional tests
- **Cascada 1.6L-T (2015-2016):**
  - Digital Radio Receiver Control Module – code functions, data, functional tests & special function: *CAN Bus Configuration Learn*
  - Chassis Control Module Fuel Pump - code functions, data, functional tests & special function: *Fuel Pump Trim Reset*
  - Folding Top Control Module – code functions, data, functional tests & special function: *CAN Bus Configuration Learn*
- **Colorado RG 2.8L-DT LWH (2012-2013):**
  - Parking Assist Control Module – code functions, data & special function: *CAN Bus Configuration Learn*
  - Transfer Case Control Module - code functions, data, functional tests & special function: *Range Actuator Learn*
- **Colorado 7 2.8L-DT LWH (2012-2013):**
  - 2012 year build vehicles now supported
  - Parking Assist Control Module – code functions, data & special function: *CAN Bus Configuration Learn*
  - Transfer Case Control Module - code functions, data, functional tests & special function: *Range Actuator Learn*
- **Colorado RG 2.8L-DT LWN (2013-2016):**
  - Transfer Case Control Module - code functions, data, functional tests & special function: *Range Actuator Learn*

## Holden (continued)

### New Systems Added (continued):

- **Colorado 7 2.8L-DT LWN (2013-2016):**
  - Transfer Case Control Module - code functions, data, functional tests & special function: *Range Actuator Learn*

**TIP: The new Range Actuator Learn function for Colorado RG & Colorado 7 models should be performed after the encoder motor, module or transfer case assembly is replaced!**

- **Commodore VF Series 2 6.2L LS3 (2015-2016):**
  - Chassis Control Module - code functions, data, functional tests & special functions:
    - *Exhaust Flow Control Valve Learn*
    - *Fuel Pump Trim Reset*

**Bi Modal Exhaust specific system now supported for 6.2L LS3 variants!**

- **Insignia 2.8L-T (2015-2016):**
  - Chassis Control Module Fuel Pump - code functions, data, functional tests & special function: *Fuel Pump Trim Reset*
  - Digital Radio Receiver Control Module – code functions, data, functional tests & special function: *CAN Bus Configuration Learn*
  - Distance Sensing Cruise Control - code functions, data & special functions: *Distance Sensing Cruise Control Module Learn*
  - Headlamp Control Module - code functions, data, functional tests & special function: *Headlamp Levelling Sensor Learn*
  - Human Machine Interface Control Module - code functions, data, functional tests & special function: *Control Module Reset*
  - Rear Differential Clutch Control Module - code functions, data & functional tests
  - Suspension Control Module – code functions, data & functional tests

**6 completely new system types added to Holden in 17.2!**

**2 all new systems added for the Holden Insignia alone!**

### Added Functionality for Existing Systems:

- **Astra J 1.6L-T & VXR 2.0L-T (2015-2016):**
  - Body Control Module – special functions:
    - *Tyre Type Pressure Selection*
    - *Tyre Pressure Sensors Learn (requires TPMS sensor activation tool, sold separately)*
  - Electric Parking Brake – special function: *Park Brake Calibration*
- **Cascada 1.6L-T (2015-2016):**
  - Body Control Module – special functions:
    - *Tyre Type Pressure Selection*
    - *Tyre Pressure Sensors Learn (requires TPMS sensor activation tool, sold separately)*
  - Electric Parking Brake – special function: *Park Brake Calibration*

## Holden (continued)

### **Added Functionality for Existing Systems (continued):**

- **Colorado RG MY16 & Colorado 7 MY16 2.8L-DT LWN (2015–2016):**

- Engine:
  - *Enhanced live data, specific to automatic & manual transmission models*
  - *New functional tests, including:*
    - *Cylinder 1/2/3/4 Glow Plug activation*
    - *Glow Plug Self-Test*
    - *Fuel Pressure Control – adjust common rail pressure with the engine running*
    - *Fuel Pressure Regulator 1*
    - *Intake Air Flow Valve tests*
    - *Turbo Charger Vane Position tests*
  - *New special functions:*
    - *Fuel Injection Small Quantity Learn*
    - *Injector Programming*
- Parking Assist Control Module – special function: *Clear History Data*

***After replacing injectors on MY16 model Colorado RG & Colorado 7 2.8L diesel models, programming the new injector code for each injector is only half the job – the Fuel Injection Small Quantity Learn function must be performed to allow the ECU to complete its injector learning & allow fault codes logged during this process to be erased!***

- **Colorado RG & Colorado 7 2.8L-DT LWN (2013–2015):**

- Engine:
  - *Enhanced live data, specific to automatic & manual transmission models*
  - *New functional tests, including:*
    - *Cylinder 1/2/3/4 Glow Plug activation*
    - *Glow Plug Self-Test*
    - *Fuel Pressure Control – adjust common rail pressure with the engine running*
    - *Fuel Pressure Regulator 1*
    - *Intake Air Flow Valve tests*
    - *Turbo Charger Vane Position tests*
- Parking Assist Control Module – special function: *Clear History Data*

- **Commodore VF & VF Series 2 3.0L LFW (2013-2016):**

- 3.0L LFW Engine – enhanced data, functional tests & special functions including:
  - *Brake Pedal Position Sensor Learn*
  - *Automated Injector Balance*

***Automated Injector Balance is a new function for the 3.0L LFW that automatically cuts each fuel injector consecutively & records the fuel pressure drop results for each one.***

- *Crankshaft Position Sensor Variation Learn*
- *Camshaft Actuator functional tests*
- *Depressurise Fuel System*

***Safely reduce fuel system pressure prior to disconnecting fuel lines using the new Depressurise Fuel System test.***

- *HO2S Heater functional tests*
- *Reset & learn functions including – Idle Learn Reset, HO2S Heater Learn*

## Holden (continued)

### Added Functionality for Existing Systems (continued):

- **Commodore VE & VE Series 2, Caprice WM & Statesman WM models (2006-2013):**
  - ABS – functional tests
- **Epica EP 2.0L, 2.0L-DT & 2.5L (2007-2010):**
  - ABS – functional tests
  - ABS (for late models equipped with vehicle stability control) – functional tests & special function: *Steering Angle Sensor Reset*
- **Insignia 2.8L-T (2015-2016):**
  - Body Control Module – special functions:
    - *Tyre Type Pressure Selection*
    - *Tyre Pressure Sensors Learn (requires TPMS sensor activation tool, sold separately)*
  - Electric Parking Brake – special function: *Park Brake Calibration*

***After Park Brake Cable service or replacement, calibrate the system using the new Electric Parking Brake Calibration support for Astra J, Cascada & Insignia!***

***17.2 adds more essential Tyre Pressure Monitoring functions for Australian Holden models Use the Tyre Type Pressure Selection function to change stored tyre pressure settings for different tyre types & load settings!***

***Tyre Pressure Sensor Learn allows for the programmed sensor identification values to be relearned as necessary, such as after a tyre rotation or sensor replacement***

***17.2 gives you new or enhanced Holden coverage for models from 2006 to 2016!***

***More Holden learn functions, reset functions, calibrations & programming allow you to keep all the profits in-house!***

***10 Holden models (& with many more variations of each) receive new content in 17.2!***

## Honda

- **One Touch Code Scan & Clear All Codes extended to the 2016 model year!**

### **New Models Added:**

- **Civic Sedan FC 1.5L-T (2016):**
  - **1.5L-T:** Engine, Transmission (CVT), Antilock Brakes, Airbag, Body Unit Information, Auto Light Levelling, CAN Gateway, Door Locks, Electric Power Steering, Gauges, HVAC/Climate Control, Integrated Driver Support System, Keyless Access Backup Control Unit, Keyless Access Power Control Unit, Keyless Access Control Unit, Keyless Transmitter, Lighting, Parking Sensor, Power Windows, SCS Mode, Seat Heater, Security, Tyre Pressure Monitor & Wiper
  - **1.8L:** Engine, Transmission (CVT), Antilock Brakes, Airbag, Body Unit Information, CAN Gateway, Door Locks, Electric Power Steering, Gauges, HVAC/Climate Control, Keyless Access Backup Control Unit, Keyless Access Power Control Unit, Keyless Access Control Unit, Keyless Transmitter, Lighting, Parking Sensor, Power Windows, SCS Mode, Security, Tyre Pressure Monitor & Wiper
  - Coverage Highlights:
    - *Engine coverage includes functional tests & special functions:*
      - Crankshaft Position Sensor Clear & Learn
      - Direct Injection Fuel Pressure test (1.5L-T)
      - Electric Wastegate test (1.5L-T)
      - Radiator Fan test for vehicles with variable speed control
    - *ABS special function coverage includes:*
      - Brake Pad Maintenance Mode
      - Sensor Calibration
      - Tyre Pressure Monitoring Sensor Initialisation procedures & Tyre Pressure Threshold Data Writing

**To perform essential service procedures on rear brakes such as pad replacement, use new 17.2 software to enter & exit pad maintenance mode!**

### **Models Updated to 2016:**

- **Accord, City, Civic Hatch, CR-V, HR-V, Jazz & Odyssey**

### **New Systems Added:**

- **Jazz 1.3L, 1.5L (2002-2008):**
  - Electric Power Steering – code functions & data
- **Odyssey RC 2.4L (2014-2016):**
  - Keyless Access Backup Control Unit – code functions & data
  - Keyless Access Power Control Unit – code functions & data
  - Keyless Access Control Unit – code functions, data & functional tests

### **Added Functionality for Existing Systems:**

- **Jazz 1.3L, 1.5L (2002-2008):**
  - Engine – enhanced data & functional tests, including:
    - Idle Air Control Valve System test
    - O2 Sensor Test
  - Antilock Brakes – functional tests



## Hyundai

### Added Functionality for Existing Systems:

- Diesel engine injector programming now supported on 2016 build diesel models:
  - i30 1.6L-DT
  - i40 1.7L-DT
  - Santa Fe 2.2L-DT
  - Tucson 2.0L-DT

## Isuzu

### New Models Added:

- **F-Series 5.2L-DT, 7.8L-DT C/Rail & 7.8L-DT DOC (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag & Hill Hold Assist
  - Coverage Highlights:
    - 5.2L-DT Engine coverage includes code functions, data, functional tests & special functions:
      - DPD Regeneration procedures – Automatic, Forced, Slow & PM Over Accumulation Regeneration
      - Injector Programming
      - System resets, including:
        - Accelerator Pedal Position Full Learn Value
        - DPD Status Reset
        - EGR Value Zero Position Step Counter
        - Engine Oil Exchange
        - Exhaust Differential Pressure Sensor
        - Fuel Supply Pump Learn Reset
    - 7.8L-DT C/Rail Engine coverage includes code functions, data, functional tests & special functions:
      - DPD Regeneration procedures – Forced & Slow
      - Injector Programming
      - System resets, including:
        - DPD Status Reset
        - DPD Dilution Trip Data Reset
        - Engine Oil Exchange
        - Fuel Supply Pump Learn Reset
    - 7.8L-DT with DOC Engine coverage includes code functions, data, functional tests & special functions:
      - Injector Programming
      - Fuel Supply Pump Learn Reset
      - Fuel Delivery Rate – Injector Quantity Trim setting
    - Transmission (Smoother MZW 5.2L-DT & 7.8L-DT) support includes code functions & data
    - Transmission (Allison – 7.8L-DT) coverage includes code functions, data, functional tests & special functions:
      - Clear Basic Learn Values
    - New Hill Start Assist coverage includes code functions & data

## Isuzu (continued)

### New Models Added (continued):

- **N-Series 3.0L-DT & 5.2L-DT (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag & Hill Hold Assist
  - Coverage Highlights:
    - *Coverage for both engines includes code functions, data, functional tests & special functions:*
      - *DPD Regeneration tests – Forced & Slow*
      - *DPD Status Reset*
      - *Engine Oil Exchange Reset*
      - *Fuel Supply Pump Learn Reset*
      - *Injector Programming*
    - *Transmission (Smoother MYY & Smoother MZZ) coverage includes code functions, data & user instructions on how to perform learning procedures*
    - *New ABS System coverage includes code functions, data, functional tests & special functions:*
      - *Forced Learn Steering Centered Position*
      - *Initialise & Clear Steering Centered Position*
    - *New Hill Start Assist coverage includes code functions & data*

### Models Updated to 2016:

- **D-MAX & MU-X**

### New Systems Added:

- **N-Series 3.0L-DT & 5.2L-DT (2015):**
  - ABS – code functions, data, functional tests & special functions
    - *Forced Learn Steering Centered Position*
    - *Initialise & Clear Steering Centered Position*
  - Hill Hold Assist – code functions & data

## Kia

### Added Functionality for Existing Systems:

- **Diesel engine injector programming now supported on 2016 build diesel engine models:**
  - **Carnival 2.2L-DT**
  - **Sorento 2.2L-DT**
  - **Sportage 2.0L-DT**

## Lexus\*

### New Systems Added\*:

- **GS-F 5.0L (2016):**
  - Active Sound Control – code functions, data functions & functional tests
  - Torque Vector Differential - code functions, data functions & functional tests
- **LS 460 4.6L (2011-2016):**
  - Centre Console Switch – data & functional tests
  - Combination Switch – code functions, data & functional tests
  - Night View (2013+) – code functions, data & functional tests
  - Rain Sensor – code functions, data & customize settings: *Auto Wiper setting*
  - Rear Console Switch - code functions, data & functional tests
  - Seat HVAC Control (Seat Front Left, Front Right, Rear Left , Rear Right) – code functions, data, functional tests & customize settings, eg:
    - *Seat A/C Sensitivity Adjust*
    - *Auto Quick Seat Heater Function*
    - *Auto Quick Seat Heater Timer Adjust*
- **LS 600hL (2011-2016):**
  - Centre Console Switch – data & functional tests
  - Combination Switch – code functions, data & functional tests
  - Night View (2013+) – code functions, data & functional tests
  - Rain Sensor – code functions, data & customize settings: *Auto Wiper setting*
  - Rear Console Switch - code functions, data & functional tests
  - Seat HVAC Control (Seat Front Left, Front Right, Rear Left , Rear Right) – code functions, data, functional tests & customize settings, eg:
    - *Seat A/C Sensitivity Adjust*
    - *Auto Quick Seat Heater Function*
    - *Auto Quick Seat Heater Timer Adjust*
- **NX 200t 2.0L-T & NX 300h 2.5L-Hybrid (2015-2016):**
  - Active Sound Control – code functions, data functions & functional tests
- **RC 200t & RC 350 (2015-2016):**
  - Active Sound Control – code functions, data functions & functional tests
- **RC F 5.0L (2015-2016):**
  - Active Rear Wing – code functions, data, functional tests & customize settings, eg:
    - *Active Rear Wing Control Function*
  - Active Sound Control – code functions, data functions & functional tests
  - Torque Vector Differential - code functions, data functions & functional tests

\*USA market Lexus vehicle communication software content for Australian Lexus year selection 2011 & up.  
Some AU market differences may exist.

## Mazda

### Added Functionality for Existing Systems:

- **Mazda 3 BL 2.0L (2009-2013):**
  - Engine – functional tests, including:
    - *Air Conditioning Compressor*
    - *Camshaft Position*
    - *EGR Valve Stepping Motor Position*
    - *Engine Coolant Temperature Sensor Test*
    - *Fuel Pump*
    - *Generator Field Current Duty Signal*
    - *HO2S Heater tests*
    - *Injector 1/2/3/4 cut tests*
    - *Intake Manifold Runner Control*
    - *Intake Manifold Tuning Valve*
- **Mazda 6 GJ 2.2L-DT (2013-2016):**
  - Engine – additional special function support added, including:
    - *Electronic Throttle Body Initialisation*
    - *EGR Initialisation*
    - *Injection Amount Correction*

## Mitsubishi

- **One Touch Code Scan & Clear All Codes extended to the 2016 model year!**

### New Models Added:

- **Lancer CF 2.0L & 2.4L (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Air Conditioner, Corner Sensor/ Back Sensor, Cruise Control, Electronic Time & Alarm Control, KOS/IMMO/Keyless, Meter, Power Window, Rain Light Sensor, Steering Angle Sensor & Sunroof
  - Coverage Highlights:
    - *Engine coverage includes code functions, data, functional tests & special functions:*
      - *Battery Current Sensor Calibration*
      - *Learned Value Reset*
    - *2.0L Transmission support for code functions, data, functional tests & special functions:*
      - *Calibration Value Reset*
      - *Control Valve Learning Mode*
      - *CVT Oil Degradation Level*
      - *Electronic Oil Pump Air Bleeding*
      - *Reset*
      - *Write Calibration Value*
    - *2.4L Transmission support for code functions, data, functional tests & special functions:*
      - *CVT Oil Degradation Level*
    - *ABS includes code functions, data, functional tests & special functions:*
      - *Sensor Calibration tests*
    - *Meter coverage includes Service Reminder Functions*

## Mitsubishi(continued)

### **New Models Added (continued):**

- **Pajero Sport QE 2.4L-DT (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Adaptive Cruise Control/ Forward Collision Mitigation, Adaptive Front Lighting, Air Conditioner, Audio, Corner Sensor/ Sonar, Electronic Parking Brake, Electronic Time and Alarm Control, Gateway, KOS/OSS/IMMO/Keyless, Meter, Multi Around Monitor, Rain Light Sensor, Steering Angle Sensor & Super Select 4WD
  - Coverage Highlights:
    - *Engine coverage supports code functions, data, functional tests & special functions:*
      - *Battery Current Sensor Calibration*
      - *DPF DP Sensor Exchange*
      - *DPF Exchange*
      - *DPF Regeneration*
      - *Engine Oil Exchange*
      - *Fuel Leakage Check*
      - *Injector Programming*
      - *Small Injection Quantity Learning*
      - *Supply Pump Exchange*
    - *Transmission coverage supports code functions, data, functional tests & special functions:*
      - *Learned Value Reset*
    - *ABS coverage supports code functions, data, functional tests & special functions:*
      - *G Sensor Calibration*
      - *Steering Angle Sensor Calibration*
    - *Electronic Parking Brake coverage includes code functions, data, functional tests & special functions:*
      - *Tension Sensor 0 Point Reset*

### **Models Updated to 2016:**

- **ASX, Mirage Hatch & Sedan, Outlander, Pajero & Triton**

### **New Systems Added:**

- **Pajero NX 3.2L-DT (2016):**
  - Audio system – code functions

## Nissan

- **One Touch Code Scan & Clear All Codes extended to the 2016 model year!**

### Models Updated to 2016:

- **370Z, Altima, Juke, Micra, Navara NP300, Pathfinder, Patrol Y61, Patrol Y62, Pulsar Hatch, Pulsar Sedan, Qashqai & X-Trail**

### New Systems Added:

- **Murano Z51 3.5L (2009-2015):**
  - Headlamp Leveliser – code functions, data & functional tests
- **Navara D40 2.5L-DT, 3.0L-DT & 4.0L (2006-2015):**
  - All Mode AWD/4WD Module – code functions & data
- **Navara D40 2.5L-DT (2011-2015):**
  - Multi Audio Visual – code functions, data & special function:
    - *Steering Angle Sensor Adjust*
- **Pathfinder R52 2.5L-H & 3.5L (2013-2016):**
  - All Mode AWD/4WD Module – code functions & data
  - Auto-Drive Positioner – code functions, data, functional tests & special functions:
    - *Exit Seat Slide Setting*
    - *Exit Tilt Setting*
    - *Seat Slide Volume Set*
  - Tyre Pressure Monitor (MY16 models) - code functions, data, functional tests & special functions:
    - *ID Registration – Erase and learn new tyre pressure sensor ID values (requires TPMS sensor activation tool, sold separately)*
- **Pathfinder R51 2.5L-DT, 3.0L-DT & 4.0L (2005-2013):**
  - Auto-Drive Positioner – code functions, data & functional tests
- **Patrol Y62 5.6L (2012-2016):**
  - Auto-Drive Positioner – code functions, data, functional tests & special functions:
    - *Exit Seat Slide Setting*
    - *Exit Tilt Setting*
    - *Seat Slide Volume Set*
  - Headlamp Leveliser – code functions, data & functional tests
- **Qashqai J11 1.6L-DT & 2.0L (2014-2016):**
  - Chassis Control Module – code functions, data & functional tests
  - Electric Parking Brake – code functions, data & special functions, including:
    - *Auto Activation – change setting of automatic park brake activation when shift lever is placed into Park (Automatic transmission models only)*
    - *Brake Pad Replacement – Start and Finish procedures*
    - *Brake Operation*
    - *Brake Release*
    - *Clutch Sensor Reset*
    - *G Sensor Calibration*
    - *Initialisation Position Adjustment*

## Nissan (continued)

### New Systems Added (continued):

- **X-Trail T32 1.6L-DT, 2.0L & 2.5L (2014-2016):**
  - Chassis Control Module – code functions, data & functional tests
  - Electric Parking Brake – code functions, data & special functions, including:
    - *Auto Activation – change setting of automatic park brake activation when shift lever is placed into Park (Automatic transmission models only)*
    - *Brake Pad Replacement – Start and Finish procedures*
    - *Brake Operation*
    - *Brake Release*
    - *Clutch Sensor Reset*
    - *G Sensor Calibration*
    - *Initialisation Position Adjustment*
- **X-Trail T31 2.0L-DT & 2.5L (2007-2013):**
  - All Mode AWD/4WD Module – code functions, data & functional tests
- **350Z 3.5L (2007-2009):**
  - VQ35HR Engine – code functions, data, functional tests & special functions:
    - *Clear Self Learn*
    - *Fuel Pressure Release*
    - *Power Balance*

### Added Functionality for Existing Systems:

- **Altima L33 2.5L (2013-2016):**
  - Engine – functional test:
    - *VIAS SV 1 (Intake manifold tuning valve)*
  - HVAC – special function:
    - *Target Evaporator Upper Limit Setting*
- **Dualis J10 1.6L-DT (2013-2014):**
  - Engine – enhanced live data & additional functional tests, including:
    - *Air Inlet Flap*
    - *Coolant Controlled Thermostat*
    - *Exhaust Electric Throttle Control Actuator*
    - *Fuel Pump*
    - *Low Pressure EGR Valve*
    - *Pre-Heater Relay*
    - *Pump Pressure Regulator*
    - *Thermoplunger Relay 1/2/3*
  - Service Light Reset & Oil Level Reset manual procedures
- **Dualis J10 2.0L (2007-2014):**
  - Transmission – special functions:
    - *CVT Fluid Deterioration Display & Clear*
    - *Engine Brake Level Adjustment*
- **Nissan Juke F15 Series 2 1.2L-T, 1.6L & 1.6L-T (2015-2016):**
  - Tyre Pressure Monitor - enhanced data & special functions:
    - *ID Registration – Erase and learn new tyre pressure sensor ID values (requires TPMS sensor activation tool, sold separately)*

## Nissan (continued)

### Added Functionality for Existing Systems (continued):

- **Murano Z51 3.5L (2009-2015):**
  - Transmission – special functions:
    - *CVT Fluid Deterioration Display & Clear*
    - *Engine Brake Level Adjustment*
  - Auto Drive Positioner – enhanced data, functional tests & special functions, including:
    - *Exit Seat Slide Setting*
    - *Exit Tilt Setting*
    - *Seat Slide Volume Set*
- **Navara D40 3.0L-DT (2011-2015):**
  - Multi Audio Visual – code functions, data & special function:
    - *Steering Angle Sensor Adjust*
- **Pathfinder R52 2.5L-H (2014-2016):**
  - HVAC – enhanced data & special function:
    - *Data parameters added for rear HVAC system*
    - *Special function – Rear Temperature Set Correction*
  - All Mode AWD/4WD Module – data added
- **Pathfinder R52 3.5L (2013-2016):**
  - Engine – functional tests and special function:
    - *Engine Mounting (Travel/Idle)*
    - *Variable Intake Solenoid Valve 1*
    - *Variable Intake Solenoid Valve 1*
    - *Target Idle RPM Adjustment*
  - ABS – special function:
    - *Deceleration G Sensor Calibration*
  - HVAC – enhanced data & special function:
    - *Data parameters added for rear HVAC system*
    - *Special function – Rear Temperature Set Correction*
  - All Mode AWD/4WD Module – data added
- **Pulsar Hatch 1.6L-T (2013-2016):**
  - Engine – enhanced data & new special function:
    - *Target Idle RPM Adjustment*
  - HVAC functional test:
    - *All Segments*
- **Pulsar Hatch 1.8L (2013-2016):**
  - Engine – enhanced data & new functional test:
    - *Variable Intake Solenoid Valve 1*
- **Pulsar Sedan B17 1.6L-T (2015-2016):**
  - Engine – enhanced data & special functions:
    - *G Sensor Calibration (for manual transmission models)*
    - *Target Idle RPM Adjustment*
  - HVAC functional test:
    - *All Segments*



## Nissan (continued)

### Added Functionality for Existing Systems (continued):

- **Pulsar Sedan B17 1.8L (2013-2016):**
  - Engine – enhanced data & new functional test:
    - *Variable Intake Solenoid Valve 1*
  - HVAC functional test:
    - *All Segments*
  
- **Qashqai J11 1.6L-DT & 2.0L (2014-2016):**
  - Intelligent Power Distribution Module – enhanced data, new functional tests & new special functions:
    - *Cooling Fan (Mono & Dual versions) functional test*
    - *Optic Axis Active Test (for LED Headlamps)*
    - *Cumulative Battery Discharge Current Clear*
    - *Height Sensor Initialisation – for models with automatic levelling headlamps*
  
- **X-Trail T32 1.6L-DT, 2.0L & 2.5L (2014-2016):**
  - Intelligent Power Distribution Module – enhanced data, new functional tests & new special functions:
    - *Cooling Fan (Mono & Dual versions) functional test*
    - *Optic Axis Active Test (for LED Headlamps)*
    - *Cumulative Battery Discharge Current Clear*
    - *Height Sensor Initialisation – for models with automatic levelling headlamps*

**The new Cumulative Battery Discharge Current Clear test must be performed when the vehicle battery is replaced, to reset stored values in the Intelligent Power Distribution Module.**

**Height Sensor Initialisation should be carried out after adjusting, removing, installing or replacing any suspension components on models fitted with automatic levelling headlamps.**

- **X-Trail T31 2.5L (2007-2013):**
  - Engine – special functions:
    - *Accelerator Pedal Position Clear*
    - *Closed Throttle Position Learn*
    - *Fuel Pressure Release*
    - *Target Idle RPM Adjustment*
    - *Target Ignition Timing Hold*
  - Transmission – special functions:
    - *CVT Fluid Deterioration Display & Clear*
    - *Engine Brake Level Adjustment*

**New Nissan system support added for popular models back as far as 2006!**

## Ssangyong

### New Models Added:

- **Actyon Sports II 2.2L-DT (2012-2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Body Control Module, Remote Key Integrated Control (RK-STICS), Smart Key Module, Speed Sensing Power Steering, Trans Gear Shift Lever, Tyre Pressure Monitor & Transfer Case Control Unit.
    - *Engine coverage supports code functions, data & functional tests including:*
      - EGR Valve Control
      - Fuel Pump Control
      - Injector 1 to 4 Buzz tests
      - VGT Control
    - *ABS coverage supports code functions, data & functional tests*
    - *Body Control Module coverage includes code functions, data & functional tests, including:*
      - Door Locks
      - Defogger
      - Headlamp & Tail Lamp Relays
      - Wipers
- **Rexton W 2.7L-DT (2012-2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Speed Sensing Power Steering, Trans Gear Shift Lever & Transfer Case Control Unit.
    - *Engine coverage supports code functions, data & functional tests including:*
      - EGR Valve
      - Engine Mount
      - Fan PWM Control
      - Glow Unit
      - Injector Cut 1 to 5 (with engine running)
      - PTC Relays

## Subaru

- **One Touch Code Scan & Clear All Codes extended to the 2016 model year!**

### New Models Added:

- **Levorg 2.0L-T (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Air Conditioning, Automatic Headlight Levelling, Body Integration Unit, Combination Meter, Electric Power Steering & Multi-Function Display
  - Coverage Highlights:
    - *Engine support includes code functions, data & functional tests, including:*
      - Alternator Control
      - Injector Quantity Control
      - Radiator Fan
      - Turbocharger Wastegate
    - *ABS support includes functional tests:*
      - ABS Sequence Control Mode
      - Brake Lamp Lighting Operation
      - VDC Check Mode
      - VDC Sensor Midpoint Setting Mode

## Subaru (continued)

### Models Updated to 2016:

- BRZ, Forester, Impreza Hatch & Sedan, Liberty, Outback, WRX, WRX STI & XV

### New Systems Added:

- **BRZ Z1 2.0L (2012-2016):**
  - Air Conditioning – code functions, data & functional tests
- **Forester S4 2.0L, 2.0L-T, 2.0L-DT & 2.5L (2013-2016):**
  - Automatic Headlight Levelling – code functions and data
  - Power Rear Gate – code functions and data
- **Impreza G4 Hatch/Sedan 2.0L (2012-2016):**
  - Electric Power Steering – code functions and data
- **Liberty Gen 6 2.5L & 3.6L (2015-2016):**
  - Automatic Headlight Levelling – code functions and data
- **Outback Gen 5 2.0L-DT, 2.5L & 3.6L (2015-2016):**
  - Automatic Headlight Levelling – code functions and data
- **WRX V1, WRX V1 STI 2.0L-T & 2.5L-T (2014-2016):**
  - Automatic Headlight Levelling – code functions and data
  - Electric Power Steering – code functions and data
  - Multi-Function Display – code functions and data
- **XV 2.0L (2013-2016):**
  - Automatic Headlight Levelling – code functions and data

### Added Functionality for Existing Systems:

- **BRZ Z1 2.0L (2012-2016):**
  - Body Control Module – enhanced data, new functional tests & all new customise settings, including:
    - *Auto Lock Time*
    - *Lighting Time*
    - *Trunk Lid Operation*
    - *Wireless Buzzer Volume*
  - Instrument Panel Cluster – enhanced data & new functional tests
- **Tribeca 3.0L (2006-2007):**
  - Engine – enhanced data & new functional tests added, including:
    - *Air Conditioning Relay*
    - *Canister Purge*
    - *Fuel Pump Relay*
    - *Radiator Fan Relay*

**Enhanced Subaru systems for popular models back as far as 2006 in 17.2!**

## European Manufacturers New for 17.2

### AFL – Alfa Romeo-Fiat-Lancia

- Now includes Auto ID

#### Added Functionality for Existing Systems:

- **Fiat 500X**
  - ABS - Electric Park Brake Resets added
- **Alfa Romeo Mito & Guilietta, Fiat 500, 500X, 500L:**
  - Special functions added for petrol engines, including where applicable:
    - *Throttle Learn*
    - *Self learnt functions reset*
    - *Zeroing self-adaptations*
    - *Neutral signal learn*
    - *Multi-air rolling finger replacement*
    - *Replacement of timing sensor or cam*
    - *Replacement of manifold*
    - *RPM sensor replacement*
    - *Oil temperature sensor replacement*
    - *Phonic wheel replacement*
    - *Uni-air module replacement*
    - *Replacement of intelligent alternator*
    - *Supercharging components replacement*
    - *Fuel components replacement*
    - *Start up with code card - diagnostic clutch pedal learning*
- **Alfa Romeo 4C & Fiat 500:**
  - Transmission resets added, including:
    - *Control unit replacement*
    - *Gearbox replacement*
    - *Hydraulic kit replacement*
    - *Gearbox oil accumulator replacement*
    - *Pump relay replacement*
    - *Electric pump replacement*
    - *Sensor replacement*
    - *Eco switch replacement*
    - *Tunnel lever replacement*
    - *Clutch replacement*
    - *Selection or engagement clutch electrovalve replacement*
    - *Longitudinal acceleration signal learn*

## BMW & Mini

### Added Functionality for Existing Systems:

- **Engine - Adjusting glow control:**
  - F22, F45, F30, F80, F34, F32, F33, F36, F82, F07, F20, F06, F01, F02, F25, F26 & F15
- **Engine - Diesel adjust EGR added:**
  - F22, F45, F30, F80, F34, F32, F33, F36, F82, F07, F20, F06, F01, F02, F25, F26 & F15
- **Engine - Idle speed adjustment added:**
  - F22, F45, F30, F80, F34, F32, F33, F36, F82, F07, F20, F06, F01, F02, F25, F26 and F15
- **Antilock Brakes special function - Transfer coding to a replacement ABS module:**
  - E87, E90, E89 and E91
- **Air Conditioning - Flap Motor Calibration added:**
  - E87, E90, E91, E60, E61, E63, E64, E84, E71, E72 & E89
- **Convertible Top models - Activate and reset rollover protection where applicable**
- **Headlamp Control Module - Module Replacement:**
  - F10 & F11
- **Other modules added or extended include:**
  - Navigation
  - Central Info Display
  - Provide Injector Quantity Value
  - Slide/tilt Sunroof

## Ford – European

- **One Touch Code Scan & Clear All Codes extended to the 2016 model year!**

### New Models Added:

- **Ranger – 2.2L-DT & 3.2L-DT (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Audio Control Module, Accessory Protocol Interface Module, All Terrain Control Module, Body Control Module, Cruise Control Module, Door Modules, Electric Power Steering, Front Control Interface Module, Front Control/Display Interface Module, Gateway Module A, Global Positioning System Module, Headlamp Control Module, Head-up Display, Image Processing Module A (Lane Assist System), Instrument Panel, Parking Aid Module, Rear Gate/Trunk Module, Radio Transceiver Module, Steering Column Control Module, Telematic Control Unit Module, Tyre Pressure Monitor & Trailer Module

## Ford – European (continued)

### New Models Added (continued):

- **Edge – 2.0L-DT (2016):**
  - Engine, Antilock Brakes, Airbag, Accessory Protocol Interface Module, Audio Control Module, Body Control Module, Cruise Control Module, Digital Audio Control Module-C, Digital Signal Processing Module, Door Modules, Drivers Seat Module, Electric Power Steering, Front Control Interface Module, Front Control/ Display Interface Module, Gateway Module A, Global Positioning System Module, Heated Steering Wheel Module, Headup Display, Instrument Panel, Image Processing Module A, Occupant Classification System Module, Parking Aid Module, Rear Gate/ Trunk Module, Radio Transceiver Module, Steering Angle Sensor Module, Steering Column Control Module, Seat Control Module E, Steering Effort Control Module, Side Obstacle Detection Left/Right, Tyre Pressure Monitoring System & Trailer Module
- **Focus RS – 2.3L-Turbo (2016):**
  - Engine, Antilock Brakes, Airbag, Accessory Protocol Interface Module, All Wheel Drive Module, Audio Control Module, Body Control Module, Digital Signal Processing Module, Door Modules, Electronic Air Temperature Control, Electronic Power Steering, Front Control Interface Module, Front Control/ Display Interface Module, Generic Function Module 2, Global Positioning System Module, Headlamp Control Module, Instrument Panel, Image Processing Module A (Lane Assist), Occupant Classification System Module, Parking Aid Module, Remote Function Actuator, Service Interval Reset, Steering Angle Sensor Module, Side Obstacle Detection Left/Right & Tyre Pressure Monitoring System

### Models Updated to 2016:

- **B-Max, C-Max, Ecosport, Edge, Fiesta, Focus, Galaxy, KA+, Ka, Kuga, Mondeo, Mustang, Ranger, S-Max, Transit, Transit Connect, Transit Courier, Transit Custom**

## Jaguar

- **One Touch Code Scan & Clear All Codes extended to the 2016 model year!**

### New Models Added:

- **XF/XFR (X260) 2.0L GTDI, 2.0L-DT, 3.0L-DT & 3.0L-SC (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Body Control Module, Door Modules, Gateway Module, Gear Shifter Module, Heating Ventilation and Air Conditioning, Park Assist, Rear Gate/ Trunk Module, Service Interval Reset, Side Object Detection Left/Right, Speed Control Module & Tyre Pressure Monitoring
- **F-Pace (X761) 2.0L GTDI, 2.0L-DT, 3.0L-DT & 3.0L-SC (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Body Control Module, Door Modules, Gateway Module, Gear Shifter Module, Heating Ventilation and Air Conditioning, Park Assist, Rear Gate/ Trunk Module, Service Interval Reset, Side Object Detection Left/Right, Speed Control Module & Tyre Pressure Monitoring

## Jaguar (continued)

### New Models Added (continued):

- **F-Type (X152) 3.0L-SC & 5.0L-SC (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Body Control Module, Door Modules, Electronic Parking Brake, Gateway Module, Gear Shifter Module, Headlamp Control Module, Heating Ventilation & Air Conditioning, Park Assist, Rear Gate/ Trunk Module, Service Interval Reset, Side Object Detection Left/Right & Tyre Pressure Monitoring
- **XJ (X351) 2.0L GTDI, 3.0L-DT, 3.0L-SC, 5.0L & 5.0L-SC (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Body Control Module, Door Modules, Electronic Parking Brake, Gateway Module, Gear Shifter Module, Headlamp Control Module, Heating Ventilation & Air Conditioning, Park Assist, Rear Gate/ Trunk Module, Service Interval Reset, Side Object Detection Left/Right, Speed Control Module & Tyre Pressure Monitoring

### Models Updated to 2016:

- **XE/XER (X760)**

### New Systems Added:

- **Impact Classification System added:**
  - XF (X250) 2009–2012 & XK (X150) 2006–2014

## Land Rover & Range Rover

### New Systems Added:

- **Rear differential control module added:**
  - Range Rover Evoque & Freelander 2

### Added Functionality for Existing Systems:

- **Defender 2012-2015:**
  - Engine - DPF Regeneration added
- **Air Bag special functions added:**
  - Range Rover
- **TPMS Special Functions added:**
  - Range Rover
- **Driver's & Passenger Door Module special functions added:**
  - Discovery 4, Freelander 2, Range Rover & Range Rover Sport

## Mercedes-Benz

- **One Touch Code Scan & Clear All Codes extended to the 2016 model year!**

### **New Models Added:**

- **E-Class 213 1.6L, 2.0L, 2.2L-CDI, 3.0L AMG, 3.0L, 3.5L, 3.0L-CDI, (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Adaptive Damping System/ Electrical Level Control, Air Conditioning, Airmatic Plus, Distronic, Door Modules, Electric Seat Adjustment Driver/Passenger, Electronic Power Steering, Head-up Display, Headlamp Left/Right, Instrument Panel, LED Matrix of Left/Right front Lamps, Multifunction Control Module, Parktronic, Reversible Emergency Tensioning Retractor Front Left/ Front Right, Signal Acquisition Modules Front & Rear, Tyre Pressure Monitor, Touchpad & Weight Sensing System
- **GLC Class 253 2.0L, 2.2L-CDI & 3.0L AMG (2016):**
  - **Up to 62 systems supported!!**

### **Models Updated to 2016:**

- **CLA117, GLA156, GLS166, GLE166, SLC172, A176, GT190, SLS197, GLK204, C205, E-Coupe207, E212, E213, S-Coupe217, CLS218, S222, SL231, B242, B246, GLC253, GLE292, Citan415, G463, V/Vito447 & Sprinter 407**

### **New Systems Added:**

- **New sub-systems added to a range of models including:**
    - E212, GLA156, CLA177, A176, A246, 166/GL/GLE/GLS, CLS218, GLE292, SLS197 & SL231
    - **System coverage includes:**
- |  |  |
|--|--|
| <ul style="list-style-type: none"><li>• Adaptive Damping System</li><li>• Air Conditioning</li><li>• Audio/COMAND Display</li><li>• Audio/COMAND Operating Unit</li><li>• Audio or COMAND Sound System</li><li>• Central Gateway</li><li>• Chassis Gateway</li><li>• Digital Audio Broadcasting</li><li>• Display in Left Rear Pass Compartment</li><li>• Display in Right Rear Pass Compartment</li><li>• DVD Player</li><li>• Electric Seat Adjustment Driver</li><li>• Electric Seat Adjustment Passenger</li><li>• Electronic Ignition Lock</li><li>• Electronic Level Control</li><li>• Electronic Selector Module</li><li>• Front Active Multi-contour Seat – Left</li><li>• Front Active Multi-contour Seat – Right</li><li>• Fuel Pump</li><li>• In-car Internet</li><li>• Keyless Go</li><li>• LED Matrix of Left Front Lamp Unit</li><li>• LED Matrix of Right Front Lamp Unit</li><li>• Media Interface</li></ul> | <ul style="list-style-type: none"><li>• Multifunction Camera</li><li>• Multifunction Control Unit</li><li>• Navigation Module</li><li>• Night View Assist</li><li>• Outer Rear Intelligent Radar Sensor Sys.</li><li>• Overhead Control Panel</li><li>• Panoramic Sliding Roof</li><li>• Pneumatic Pump Active Multi-contour Seat</li><li>• Radar Sensors Control Unit</li><li>• Rear Passenger Compartment Seat Heater</li><li>• Reversible Emergency Tensioning Retractor – Left Front</li><li>• Reversible Emergency Tensioning Retractor – Right Front</li><li>• Shift Module</li><li>• Signal Acquisition and Actuation Module</li><li>• Stationary Heater</li><li>• Steering Column Module</li><li>• Steering Wheel Heater</li><li>• Tailgate Control Module</li><li>• Telematics service</li><li>• Trailer Recognition Module</li><li>• 360° Camera</li></ul> |
|--|--|



## Opel / Vauxhall

### New Systems Added:

- **Antara 2011-2015:**
  - Instrument Cluster - code functions, data & functional tests, including:
    - *Instrument Cluster Gauge/Indicator Check*
    - *Backlight Dimming (%)*
    - *Driver Information Centre Dimming (%)*
    - *Pointer Dimming (%)*
    - *Driver Information Centre Segments*
- **Cascada:**
  - Parking Brake Module – code functions, data & functional tests
- **Frontview Camera Module** – code functions, data & special functions:
  - Ampera, Astra J, Cascada, Corsa E, Insignia, Mokka & Zafira C
- **Power Steering Control Module added:**
  - Astra J and Cascada – code functions, data & special functions:
    - *Power Steering Softstops Learn*
    - *Power Steering Softstops Reset*
- **Zafira C:**
  - Power Steering Control Module – code functions, data & special functions:
    - *Steering Angle Calibration*
    - *Power Steering Softstops Learn*
    - *Power Steering Softstops Reset*

### Added Functionality for Existing Systems:

- **Electric Power Steering special functions added:**
  - Vectra C:
    - *Program HS CAN Bus Configuration*
  - Corsa D:
    - *Calibrate Steering Angle Sensor*
    - *Program HS CAN Bus Configuration*
    - *Program Power Steering Characteristic*
    - *Program VIN Number*

## Porsche

### New Systems Added:

- **External Amplifier System added** - code functions, data, functional tests & relearns:
  - Panamera, Macan, Cayenne & Boxster/Cayman 2005 and up
- **Macan 2005 and up:**
  - Sound System – code functions
  - Sports Exhaust System – code functions
- **Navigation added** - code functions, data, functional tests & relearns:
  - Cayenne & Boxster/Cayman 2005 and up

## Porsche (continued)

### New Systems Added (continued):

- **TV tuner system added** - code functions, data, functional tests & relearns:
  - Panamera, Macan, Cayenne, Boxster/Cayman 2015 and up

## PSA Citroen & Peugeot

- **One Touch Code Scan & Clear All Codes extended to the 2016 model year!**

### New Models Added:

- **Citroen Dispatch (K0) 1.6L-DT & 2.0L-DT (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Alarm, Battery Charge Status Unit, BSI, Climate Control, COMM Switch, Door Modules Sliding Door Left/Right, Electric Power Steering, Electric Steering Lock, Engine Relay Unit, High Head Vision, Instrument Panel, Multifunction Camera System, Multifunction Screen, Parking Aid, Radio, Rain/Sunlight Sensor, Service Interval Reset, Service Module, Supply Protection and Management Unit, Telematic, Trailer Fuse Box Module & Vehicle Distance Assistance
- **Citroen Space Tourer 1.6L-DT & 2.0L-DT (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Alarm, Battery Charge Status Unit, BSI, Climate Control, COMM Switch, Door Modules Sliding Door Left/Right, Electric Power Steering, Electric Steering Lock, Engine Relay Unit, High Head Vision, Instrument Panel, Multifunction Camera System, Multifunction Screen, Parking Aid, Radio, Rain/Sunlight Sensor, Service Interval Reset, Service Module, Supply Protection and Management Unit, Telematic, Trailer Fuse Box Module & Vehicle Distance Assistance
- **Peugeot Expert (K0) 1.6L-DT & 2.0L-DT (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Alarm, Battery Charge Status Unit, BSI, Climate Control, COMM Switch, Door Modules Sliding Door Left/Right, Electric Power Steering, Electric Steering Lock, Engine Relay Unit, High Head Vision, Instrument Panel, Multifunction Camera System, Multifunction Screen, Parking Aid, Radio, Rain/ Sunlight Sensor, Service Interval Reset, Service Module, Supply Protection and Management Unit, Telematic, Trailer Fuse Box Module & Vehicle Distance Assistance
- **Peugeot Traveller 1.6L-DT & 2.0L-DT (2016):**
  - Engine, Transmission, Antilock Brakes, Airbag, Alarm, Battery Charge Status Unit, BSI, Climate Control, COMM Switch, Door Modules Sliding Door Left/Right, Electric Power Steering, Electric Steering Lock, Engine Relay Unit, High Head Vision, Instrument Panel, Multifunction Camera System, Multifunction Screen, Parking Aid, Radio, Rain/ Sunlight Sensor, Service Interval Reset, Service Module, Supply Protection and Management Unit, Telematic, Trailer Fuse Box Module & Vehicle Distance Assistance

### Models Updated to 2016:

- **108, 208, 2008, 308, 308 (T9), 3008, 4007, 4008, 508, 5008, 807 Restyle, Bipper, Boxer 3 (EU5), Expert 3, Ion, Partner (B9) & RCZ**

## PSA Citroen & Peugeot (continued)

### New Systems Added:

- **Citroen C6:**
  - Suspension – code functions, data, functional tests & special functions
  - Variable Damping ECU – code functions
- **6 new BSI systems added:**
  - Citroen DS3 & Dispatch 3 (K0), Peugeot 308 (T9) & Expert 3 (K0)
    - Alarm install uninstall
    - Front fog lights install uninstall
    - Parking aid install uninstall
    - Phone kit install uninstall
    - Trailer hitch unit install uninstall

### Added Functionality for Existing Systems:

- **Peugeot 508 Hybrid:**
  - Accessories Belt Replacement Procedure
- **Hybrid Engines (various):** Reset Counters added
- **ABS – Electric Parking Brake reset added:**
  - Citroen C4 / C4 Picasso B78 & Peugeot 308 T9

## Renault

### New Systems Added:

- **Electronic Parking Brake added:**
  - Scenic, Koleos, Vel Satis 2006>, Espace and Laguna II Ph2 2007
- **Headlight Control Unit:**
  - Clio III 2011 up & Modus 2011 up
  - Code functions, data, functional tests & special functions:
    - *Program VIN*
    - *Xenon Lights Program New ECU*
- **Xenon Lights added:**
  - **Fluence 2011 up, Megane III 2011 up and Laguna III 2011 up**
  - Code functions, data, functional tests & special functions (if applicable)

## Smart

### New Systems Added:

- **Electronic Selector Module added** – code functions:
  - 453 ForFour
  - 453 ForTwo

## VAG - Volkswagen-Audi-Seat-Skoda

- One Touch Code Scan & Clear All Codes extended to the 2016 model year!

### Models Updated to 2016:

- Audi: A1, A3, A4, A5, A6, A7, A8, Q3, Q5, Q7, R8 & TT
- Seat: Ateca, Mii, Exeo, Alhambra, Altea, Freetrack, Toledo, Leon & Ibiza
- Skoda: Citigo, Fabia/Roomster, Octavia, Rapid, Superb, & Yeti
- Volkswagen: Amarok, Caddy, Crafter, Eos, Fox/Lupo, Golf, Jetta, Beetle, Bora, Passat, Passat CC, Phaeton, Polo, Scirocco, Sharan, Tiguan, Touareg, Touran, Transporter & Up

### New Systems Added:

- New back-up reversing camera system coverage on applicable vehicles
- New parking help / park assist / parallel parking system coverage on applicable vehicles
- New Central Convenience, Information Electronics, Central Electronics, Auxiliary Heater Modules added where applicable

### 17.2 New Volkswagen Coverage Highlights:

- 31 new engine codes added
- Added new variant for the brake electronics
- Added new variant for the central electronic unit
- Added new variant for the sound system
- Added new variant (19) diagnostic gateway
- Added new variant information electronics
- Added new variant for the airbag
- Configuration function added
- Airbag index coding function
- Special functions:
  - Basic setting seat occupied recognition
  - Replace front left belt tensioner
  - Replace front right belt tensioner
  - Added new variant for the steering wheel

## Volvo

### New Systems Added:

- **Central Electronics Module added:**
  - S60, S80, V60, V70, XC60 & XC70
  - Includes special function:
    - *Calibration of Position Sensor – Required after replacing the Central Electronic Module or any position sensor for Automatic Light Beam Length Control.*
- **Climate control added:**
  - All applicable models
  - Includes special functions:
    - *Calibration of climate control module*
    - *Identification of components on the LIN network*
- **Forward Sensing Module added:** – code functions, data & special functions
  - V40, V60, V70, S60, S80, XC60 & XC70
- **Power Operated Tailgate added:**
  - V70, XC60 & XC70
- **Power Seat Modules Left & Right added:**
  - C30 & C70
  - Includes special functions:
    - *Initialize Front Seat Position*
    - *Seat Adjustment by Remote Control*
- **Side Object Detection added:**
  - S60, V60, XC60, V40
- **New engines added:**
  - D4204T14, D4162T, D5244T10, D5244T14, D5244T19, D5244T11, D5244T15, D5244T16, D5244T17, D5204T7, D5244T23, D5244T12, D82PHEV

## USA Manufacturers

- **NEW 2016 domestic & Asian Coverage including Acura<sup>®</sup>, Chrysler<sup>®</sup>, Dodge<sup>®</sup>, Ford<sup>®</sup>, Honda<sup>®</sup>, Hyundai<sup>®</sup>, Jeep<sup>®</sup>, Kia<sup>®</sup>, Lincoln<sup>®</sup>, Mitsubishi<sup>®</sup> & Ram<sup>®</sup>**
- **With software upgrade 17.2, have access to 8,000,000 OEM specific codes, data, functional tests, resets & adaptations for 1981-2016 model years!**

### **USA Manufacturers 17.2 Highlights:**

- **NEW Manufacturer – HARLEY DAVIDSON MOTORCYCLES. See next page for details.**
- **Ford Transmission Functions: New Transmission Characterization and Solenoid functions to 2011-2016 6.7L Diesels with automatic transmission**
- **Enhanced Ford EVAP Testing: New EVAP Small Leak test to vehicles**
- **GM Diesel Resets: Catalyst 1 Reset, DPF Engine Data Shutdown Reset, Exhaust Aftertreatment Injector Reset, NOX Sensor #1 and #2 Reset on vehicles equipped with 6.6L Diesel**
- **GM Hybrid Coolant Bleed: HVCM Control Module Hybrid EV Battery Pack Coolant Pump Bleed Procedure on 2011 and newer Volt**
- **Honda Enhanced Safety Systems: Dynamic and Static camera aiming to all vehicles with Forward Collision Warning and Lane Departure Warning systems**
- **Mazda EVAP Tests: Added EVAP testing to 2010 and newer UDS vehicles**
- **Toyota EVAP test enhancements: Added ability to graph data during the 11-step Automated EVAP test on 2007 and newer vehicles**
- **GM Suspension Control: New system coverage for 2006-2009 models**

## Chrysler / Dodge / Jeep

- **2016 Model Years Update**
- **Intrusion Module, including code functions, data, Functional Tests, System Tests for 2005 and newer vehicles**
- **PIDs for 48RE Transmission Throttle Valve Actuator (TTVA) Raw Reading, Calculated Reading, Desired Position & Actual Position for 2004-2008 2500/3500 truck models**
- **Jeep Drivetrain Control Module: Functional tests and Differential Fluid Bleed test to 2010 and newer vehicles**

## NEW MANUFACTURER: HARLEY DAVIDSON MOTORCYCLES

- **NEW MANUFACTURER!**
- **2000-2016 model year coverage**
- **One Touch Code Scan & Clear All Codes**
- **Codes, data, and functional tests for:**
  - **Engine, ABS, BCM, Hands-free and Security Module / Turn Signal & Security Module, Hand Control Module, Body Control Module, Instruments, Speedometer, Tachometer, Radio and Amplifier.**
- **NEW HARDWARE:** Additional hardware will need to be purchased separately in addition to the 17.2 upgrade to utilise the new Harley Davidson software coverage.

- **Keyless Platforms:**

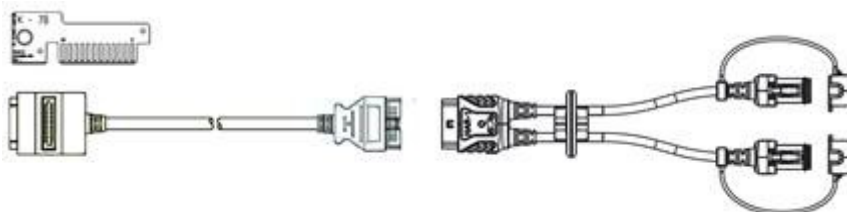
17.2 Harley Davidson software will require the Harley Davidson Adaptor kit sold separately (part# EAK0347L01A). This kit includes the Smart Vehicle Interface that connects into the OBDII end of the existing DA4 cable.



- **Keyed Platform (Verus Classic without wireless scan module):**

17.2 Harley Davidson software will require the Harley Davidson Adaptor kit (part# EAK0347L01A) AND Personality Key K-78 (part# MT2500K78) both sold separately.

The K78 Personality Key is inserted into the keyed OBD-II adaptor, then the Smart Vehicle Interface from the Harley Davidson Adaptor Kit connects into the OBDII end of the OBDII adaptor.



## Australian Component Test Meter\*

- **All new Australian CTM content added for 17.2!**
- **Includes all new Australian model coverage for 6 makes & 24 different model variants!**
- **New content for models between 2000 & 2016!**
- **4 makes include new coverage for popular Australian diesel models!**

### New Models Added:

- **Ford:**
  - Focus LW MKII 1.6L (2012 – 2015): Engine
- **Holden:**
  - Barina TM 1.6L (2011-2016): Engine
  - Captiva CGII 2.2L-DT (2011-2016): Engine
  - Commodore VF Series 2 3.6L LFX (2015-2016): Engine
  - Commodore VF 3.6L LFX (2013-2015): Engine
  - Cruze JH 1.8L LUW (2013-2015): Engine
  - Cruze JH 1.8L 2H0 (2013-2015): Engine
- **Hyundai:**
  - Elantra MD 1.8L (2012–2016): Engine
  - i30 GD 1.6L-DT (2013 – 2016): Engine
  - i30 GD 2.0L Eu5 (2014 – 2016): Engine
  - i30 GD 2.0L (2013-2014): Engine
  - i30 GD 1.8L (2015-2016): Engine
  - ix35 LM 2.0L (2015): Engine
- **Mitsubishi:**
  - Triton MN 2.5L-DT (2009-2015): Engine
  - Triton ML 2.5L-DT (2006-2009): Engine
- **Nissan:**
  - Altima L33 2.5L (2013-2016): Engine
  - Patrol Y61 3.0L-DT Common Rail (2006-2016): Engine
  - Patrol Y61 3.0L-DT (2000-2006): Engine
  - Pulsar B17 Sedan 1.6L-T (2015-2016): Engine
  - Pulsar B17 Sedan 1.8L (2013-2016): Engine
  - Pulsar C12 Hatch 1.6L-T (2013-2016): Engine
  - Pulsar C12 Hatch 1.8L (2013-2016): Engine
- **Toyota:**
  - Yaris NCP 130/131 1.3L (2015–2016): Engine
  - Yaris NCP 130/131 1.5L (2015–2016): Engine



## USA Component Test Meter & Troubleshooter\*

### Enhanced Component Test Meter & Troubleshooter Coverage

- **143,051 MORE tests than 16.4!**
- **17.2 has 3,938,132 tests in total!**
- **New GM Diesel Coverage**
- **29 makes in total**
- **Expanded Body Electrical Coverage back to 1999**
  - **Audi / VW – Back to 2006**
  - **Chrysler / Dodge / Jeep / RAM – Back to 1999**
  - **Toyota / Lexus – Back to 2006**
  - **BMW – Back to 2000**
  - **Subaru – Back to 2000**

### USA Vehicle CTM Makes:

- |                       |                 |                |
|-----------------------|-----------------|----------------|
| ○ Chrysler/Dodge/Jeep | ○ Jaguar        | ○ Nissan       |
| ○ Ford                | ○ Kia           | ○ Subaru       |
| ○ General Motors      | ○ Land Rover    | ○ Suzuki       |
| ○ Audi                | ○ Lexus         | ○ Toyota/Scion |
| ○ BMW                 | ○ Mazda         | ○ Volkswagen   |
| ○ Honda/Acura         | ○ Mercedes Benz | ○ Volvo        |
| ○ Hyundai             | ○ Mini          |                |
| ○ Infiniti            | ○ Mitsubishi    |                |

## European Component Test Meter^ & Troubleshooter°

### Component Test Meter:

- **NEW CTM MANUFACTURER:**
  - **Porsche (1996 - 2016)** – includes ABS coverage on supported models!

### European Vehicle CTM Makes:

- |              |                 |              |
|--------------|-----------------|--------------|
| ○ Alfa Romeo | ○ Jaguar        | ○ Peugeot    |
| ○ Audi       | ○ Kia           | ○ Renault    |
| ○ BMW        | ○ Land Rover    | ○ Seat       |
| ○ Citroen    | ○ Lexus         | ○ Skoda      |
| ○ Dacia      | ○ Mazda         | ○ Smart      |
| ○ Fiat       | ○ Mercedes      | ○ Toyota     |
| ○ Ford       | ○ Mini          | ○ Volkswagen |
| ○ Honda      | ○ Nissan        | ○ Volvo      |
| ○ Hyundai    | ○ Opel/Vauxhall |              |

<sup>^</sup>European CTM available on VERUS<sup>®</sup> Family, VERDICT<sup>®</sup> & MODIS<sup>®</sup> Family.

<sup>°</sup>European Troubleshooter available on VERUS<sup>®</sup> Family & VERDICT<sup>®</sup>.

\*Australian & USA Asian & Domestic Fast-Track Troubleshooter available for VERUS<sup>®</sup>, VERDICT<sup>®</sup>, MODIS<sup>®</sup> & SOLUS<sup>®</sup> Families. Component Tests available on those products with Scope capabilities.