

## NEW FOR 12.4

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## Australian Manufacturers New for 12.4

### **Quick Stats for Australian 12.4 Software:**

#### **New for 12.4 (from 12.2):**

- **2012** Model Year Coverage for 10 manufacturers in Australia software
- **13** Australian manufacturers receive updated content in 12.4!
- Over **41,200** New & Enhanced Codes, Tests, Tips and Data PID's
- Access to over **88** New systems for 2003-2012 model years
- **76** New Models added and extended models added!
- Over **42** Enhancements to existing systems!
- More special functions and enhanced Diesel engine functionality than ever before!

## Ford

- **New Models Added:**
  - FPV F6 4.0L-T (2009-2012): Engine, Transmission, ABS, Airbag, A/C, Audio, BEM, FDIM, ICM & PAM
  - FPV GT 5.0L S/C (2011-2012): Engine, Transmission, ABS, Airbag, A/C, Audio, BEM, FDIM, ICM & PAM
- **Models to 2012**
  - Falcon FG, Falcon FG Ute, Ranger PX & Territory SZ
- **New Systems Added:**
  - Ranger PX 2.2L-DT, 2.5L & 3.2L-DT (2011-2012): BEM
  - Territory SZ 2.7L-DT & 4.0L (2011-12): Instruments & Electronic Power Steering
- **Added Functionality for Existing Systems:**
  - Focus LS 2.0L (2005-07): BEM, Instruments & A/C systems Functional Tests

## Holden

- **Models to 2012**
  - Barina TM, Caprice WM II, Captiva CG II, Commodore/Calais VE II, Cruze JG & Ute VE II
- **New Systems Added:**
  - Barina TM 1.6L (2011-2012): ABS, BCM & Instruments
    - Caprice WM I & II (2009-2012) & Statesman WM I & II (2007-2012): Auto Headlamp Levelling System (includes calibration test)  
**Headlamp Levelling Calibration must be carried out after headlamp replacement or after repairing faults.**
  - Cruze JG 1.4L iTi (2011-2012): Keyless Entry
  - Commodore/Calais VE II (2010-2012), Caprice WM II (2010-2012) & Ute VE II (2010-2012): Audio system
- **Added Functionality for Existing Systems:**
  - ABS Automated Brake Bleeding for the following Traction Control and Non-Traction control ABS Brake system vehicles:
    - Commodore/Calais VT/VX/VY/VZ/VE (1997-2010)
    - Adventra VZ 3.6L (2005-2006)
    - Caprice WM (2006-2010)
    - Crewman VY II 3.8L/VZ 3.6L (2003-2006)
    - Monaro V2/V2II/VZ (2001-2005)
    - One Tonner VY/VZ (2003-2005)
    - Statesman WH/WK/WL/WM (1999-2010)
    - Ute VU/VY/VZ/VE/VE II (2000-2012)**Diagnostic Brake Bleeding is an important safety function required to completely purge the ABS Brake system of air.**
  - Commodore/Calais VE/VE II (2006-2012), Caprice WM/WM II (2006-2012), Statesman WM (2006-2010) & Ute VE/VE II (2006-2012): Climate Control Functional Tests
  - Captiva CG 2.0L-DT (2007-2011): Diesel service functions and resets including -
    - Injector Programming  
**Required function after fitment of replacement Diesel Injectors to prevent engine damage.**
    - Diesel Particulate Filter Regeneration & Reset  
**Ability to perform a forced DPF regeneration while the vehicle is stationary. Commonly required when vehicles are driven regularly for short distances to rectify a blocked DPF.**
    - Differential Pressure Sensor Replacement Reset
    - Rail Pressure Sensor Replacement Reset
    - EGR Cooler Running Counter Reset  
**Important factory level resets that must be carried out when components are replaced.**

**Perform important factory level service procedures in-house!**

## Honda

- **New Systems Added:**
  - Body, Gauges, HVAC, Keyless Transmitter, Lighting, Power Windows, Security & Wiper systems for:
    - Accord 2.4L & 3.0L (2003-2007)
    - Accord Euro 2.4L (2003-07, 2011)
    - Odyssey 2.4L (2004-2008)
- **Added Functionality for Existing Systems:**
  - Jazz 1.3L & 1.5L (2002-2008): CVT Start Clutch Calibration Manual Procedure  
**This important procedure is required after disconnection of the vehicle's battery to prevent CVT transmission damage!**

## Hyundai

- **New Model Added:**
  - Elantra MD 1.8L (2012): Engine, Transmission, Airbag & HVAC
- **Models to 2012**
  - i20, i30, iLoad, iMax, ix35 & Santa Fe CM 2.2L-DT

## Jeep (US Vehicles>Chrysler/Jeep)

- **New Australian Specific model:**
  - Grand Cherokee 2.7L-DT (2002-2005): Engine, Transmission, ABS, Airbag, Body, Instruments & TPM
    - **Engine content includes codes, data, functional tests & Diesel Injector classification – a critical function after the replacement of Diesel Injectors.**
    - **Transmission coverage supports codes, data, read adaption values, reset adaption values and store adaption values tests.**

## Kia

- **New Models Added:**
  - Optima 2.4L GDI Gasoline Direct Injection (2012): Engine, Transmission, ABS, Airbag & HVAC
  - Sorento XM 3.5L (2012): Engine, Transmission, ABS, Airbag, Body & HVAC
- **Models to 2012:**
  - Cerato TD, Grand Carnival, Rondo, Sorento XM & Sportage SL
- **New Systems Added:**
  - Cerato TD (2010-2012): HVAC, Immobiliser & User Option Module
  - Rondo: HVAC (2010-2012) & Immobiliser (2010-2011)

## Mazda

- **New Model Added:**
  - BT-50 2.2L-DT & 3.2L-DT (2012): Engine, Transmission, ABS, Airbag & Body
- **Models to 2012:**
  - Mazda 2, Mazda 6, CX-7, CX-9 & MX5 NC

## Mitsubishi

- **New Models Added:**
  - ASX 1.8L-DT (2012): Engine, ABS, Airbag, A/C, Meter, ETACS, Immobiliser, Rain Light Sensor, Audio NAV & EPS
  - Colt Ralliart 1.5L-T (2006): Engine, ABS & Airbag
  - Pajero NW 3.2L-DT (2012): Engine, Transmission, ABS, Airbag & Meter
- **Models to 2012:**
  - ASX 2WD/4WD, Aspire CJ, Challenger KH, Express SJ, Lancer CJ & Outlander ZH
- **New Systems Added:**
  - Lancer CJ 2.0L (2011-12): Power Windows
  - Outlander ZH 2.4L (2011-2012): Meter, ETACS, 4WD & Power Windows
  - Outlander ZH 3.0L (2011-2012): Meter, ETACS, 4WD, Immobiliser, Rain Light Sensor, Power Windows & Audio Nav Display
- **Added Functionality for Existing Systems:**
  - Pajero NS/NT 3.2L-DT (2008-2011): ABS with ASC Steering Angle Sensor Reset

### Mitsubishi Used Imports:

- **New Model Added:**
  - Delica Chamonix 3.0L (2003): Engine, Transmission, ABS & Airbag
- **New System Added:**
  - Lancer Evolution 2.0L-T (2003): Air Conditioner

## Nissan

- **Models to 2012:**
  - 370Z, Dualis, Maxima, Micra, Murano, Navara D22, Navara D40, Pathfinder, Patrol, Tiida & X-Trail
- **New Systems Added:**
  - 370Z Z34 3.7L: BCM (2010-2012) & Multi Audio Visual (2011-2012)
  - Maxima J32 2.5L 2009-2012): Airbag
  - Maxima J32 3.5L 2010-2012): Meter & IPDM
  - Micra K13 1.2L (2011-2012): BCM, Meter & IPDM
  - Micra K13 1.5L (2011-2012): BCM
  - Murano Z51 3.5L (2011-2012): Multi Audio Visual
  - Navara D40 3.0L-DT (2011-2012): Multi Audio Visual
  - Pathfinder R51 3.0L-DT (2012): Multi Audio Visual
  - X-Trail T31 2.0L (2010-2012): Transmission, BCM, Meter & IPDM
  - X-Trail T31 2.0L-DT (2010-2012)& 2.5L (2011-2012): BCM & Meter

## Nissan (continued)

### **Nissan Used Imports:**

- **New System Added:**
  - Skyline V36, 3.7L (2006-08): BCM

## Subaru

- **Models to 2012:**
  - Exiga, Liberty 5 Gen, Outback 5 Gen, Tribeca
- **New System Added:**
  - Liberty Gen 4 3.0L (2007): ABS

## Suzuki

- **Models to 2012:**
  - Alto, APV, Grand Vitara JB, Jimny, Kizashi, Swift FZ & SX4

## Toyota

- **New Models Added:**
  - FJ Cruiser 4.0L (2011-12): Engine, Transmission, ABS, Airbag & BCM
  - Hilux 3.0L-DT (2012): Engine, Transmission, ABS & Airbag
    - Includes both ABS & ABS with Vehicle Stability Control (VSC) systems
- **Models to 2012:**
  - Corolla, Kluger, Landcruiser 200, Landcruiser70, Prado, RAV4, Rukus & Tarago
- **New System Added:**
  - Rukus 2.4L (2010-12): Cruise Control
- **Added Functionality for Existing Systems:**
  - Hiace 2.5L-DT & 3.0L-DT (2005-12), Hilux 3.0L-DT (2005-12) & Prado (2007-12): Supply Pump Initialisation  
**Supply Pump Initialisation is required after replacement of the High Pressure Diesel supply pump to correct starting and stalling issues.**

## Fix More Cars, Make More Cash!

## **European Manufacturers New for 12.4**

### **NEW MANUFACTURER: JAGUAR**

- **All New manufacturer for 12.4**
- **11 years of coverage:**
  - 2000 - 2011
- **All popular models covered:**
  - S-Type
  - X-Type
  - XJ
  - XK
  - XF
- **All engine variants covered**
- **Support for critical systems:**
  - Engine, Transmission, ABS & Airbag
  - Gear Shifter Module (Codes & Data):
    - XF/XFR X250 (2008-2011)
    - XJ X351 (2010-2011)
    - XK/XKR X150 (2010-2011)
  - Electronic Park Brake
    - S-Type X200 (2002-2003): Codes, Data & Special Functions
    - S-Type X200 (2004-2008): Codes, Data & Special Functions
    - XF/XFR X250 (2008-2011): Codes, Data & Special Functions
    - XJ X350 (2003-2005): Codes, Data & Special Functions
    - XJ X350 (2006-2009) : Codes, Data & Special Functions
    - XJ X351 (2010-2011) : Codes, Data & Special Functions
    - XK/XKR X150 (2006-2009): Codes, Data & Special Functions
    - XK/XKR X150 (2010-2011): Codes & Data
- **Service Interval Reset – Manual & Diagnostic (where applicable)**

### **AFL – Alfa Romeo FIAT Lancia**

- **Model year upgrade to 2011**
- **New System Added:**
  - Alfa 159: Electronic Key (TEG Reader)
- **Added Functionality for Existing Systems:**
  - Fiat Ducato 2.2L-DT (2006>): Diesel High Pressure Pump Replacement Procedure
  - Proxi Alignment (reconfigure ECU after replacement):
    - Fiat Stilo, Idea & Panda
  - Added instructions on Crash Mode Reset – Fuel Cut Off: Details on how to exit the vehicle from 'crash mode'
    - Fiat 500, Brava & Punto Grande
    - Alfa 159, Mito & Guilietta

## BMW

- **New Models Added:**
  - 1 Series F20 (2011) 1.6L, 1.6L-DT, 2.0L-DT, 2.5L & 2.5L-DT:
    - Engine: Codes, Data and Actuator Tests
    - Transmission: Codes, Data and Special Functions
    - ABS: Codes, Data and Actuator Tests
    - Airbag: Codes and Data
    - SIR: View Status & Reset
- **Model year upgrade to 2011**
- **Added Functionality for Existing Systems:**
  - Power Management: Battery replacement procedure CAN vehicles 2007 – 2011 (except F series)
  - Engine: Valvetronic special functions added including Valvetronic Limit learn & Minimum Stroke Adjustment on selected models

## Ford – European

- **New Models Added:**
  - C-Max (2010.75)
  - Focus (2011)
  - Grand C-Max (2010.75)
    - **Codes & Data on main systems including:**
      - Body Control Module
      - Instrument Control Module
      - Power Steering Control Module
      - Steering Angle Sensor Module
      - Electronic Air Temp Control
      - Drivers Door Module
      - Passengers Door Module
      - Parking Aid Module
      - Headlamp Control Module
      - Auxiliary Heater Control Module
      - Remote Function Actuator
    - **Service Functions on ABS (with ESP)**
      - Configure Steering Angle Sensor
      - Configure Lateral Acceleration Sensor
      - Configure Longitudinal Acceleration Sensor
      - Module Initialization
    - **Electronic Power Steering (EPS)**
      - Pull Drift Compensation
      - Straight Ahead Adaption Angle Reset
- **Added Functionality for Existing Systems:**
  - Transit Connect: ABS (with ESP) service functions
  - Fuel Injector Pump Programming (Bypassing Ford E-Tis and Costs): Ability to program new fuel injector pump to ECU on...
    - Focus 1.8L Endura TDDI
    - Mondeo 2.0L Duratorq TDDI
    - Transit Connect 1.8L Duratorq TDDI
    - Transit 2.0L Duratorq TDDI
    - Transit 2.4L Duratorq TDDI

## **Land Rover & Range Rover**

- **New Model Added:**
  - Range Rover Evoque (2011) 2.0L S/C & 2.2L-DT: Engine, Transmission/transaxle, ABS, Airbag & Instruments
- **2011 Model Year Upgrade**
- **New Systems Added:**
  - Parking Brake system codes, data, actuator tests & special functions
    - Discovery 4
    - Range Rover
    - Range Rover Sport
- **Added Functionality for Existing Systems:**
  - Discovery 4 2010> Air Suspension Height Calibration

## **Mercedes Benz**

- **2011 Model Year Upgrade**
- **New System Added:**
  - Intelligent servo module codes and data:
    - ML
    - R Class
    - S Class
    - CL Class
  - 3 New Engines Added, including Actuators, Adaption's & Output Controls
    - C Class SIM271KE20 – Petrol 2007 – 2009
    - C Class CDI D Diesel 2007 – 2009
    - Vito CDI4 2006 - 2006

## **Mini**

- **BMW Auto ID function now extended to include Mini**
- **New Models Added:**
  - R58 Coupe (2010-11) 1.6L & 2.0L-DT
  - R60 Countryman (2010-11) 1.6L, 1.6L-DT & 2.0L-DT
    - Engine: Codes, Data and Actuator Tests
    - Transmission: Codes, Data and Special Functions
    - ABS: Codes, Data and Actuator Tests
    - Airbag: Codes, Data and Special Functions
    - Service Interval Reset: View Status & Reset
- **Model year upgrade to 2011**



## Opel / Vauxhall

- **Model year upgrade to 2011**
  - 7 Models Updated
    - Corsa D
    - Meriva B
    - Astra H
    - Zafira B
    - Insignia
    - Vivaro-PH3
    - Astra J
  - 16 New Engines
    - Codes, Data, Actuator Tests & Special Functions
- **New Systems Added:**
  - MID level Instrument Cluster:
    - Insignia
    - Astra-J
    - Meriva-B

## PSA Citroen & Peugeot

- **Auto ID introduced for Citroen and Peugeot**
  - 2001 – 2011 all models fitted with BSI
- **New Systems Added:**
  - Wiper Module: Codes, Data & Actuator Tests for MY2008>. Enables wiper blades to be positioned for replacement
    - Citroen:
      - C5 (X7)
      - C6
    - Peugeot:
      - 407
      - 3008
      - 5008
  - Instrument Panel: Codes, Data & Actuator Tests for MY2004> :
    - Peugeot:
      - 307 restyle
      - 607 restyle
  - Manual Piloted Sensodrive Transmission: Reset & Replacement Procedures
    - Citroen:
      - C1
      - C2
      - C3
    - Peugeot:
      - 107

## **Renault**

- **Auto ID introduced for Renault** (excludes Renault Sport models)
  - 2004-2011
- **2011 Model Year upgrade**
- **New Systems Added:**
  - Body system: Codes Live data & functional tests
    - Fluence 2009>
- **Added Functionality for Existing Systems:**
  - Body system increased functionality:
    - Megane III 2008>
    - Scenic III 2008>
    - Fluence 2009>
    - Clio III

## **Smart**

- **Auto ID Introduced for common models:**
  - Fortwo (450 & 451)
  - Roadster (452)
  - Forfour (454)
- **2011 Model Year Upgrade**
- **New Systems Added:**
  - Diagnostic Service Interval Reset
    - Fortwo (451)
    - Roadster (452)
    - Forfour (454)
  - Signal Acquisition Module (SAM) content for Fortwo (451)
- **Added Functionality for Existing Systems:**
  - Clutch content added to the 4 common Smart models:
    - Fortwo (450 & 451)
    - Roadster (452)
    - Forfour (454)

## **VAG – Volkswagen Audi Seat Skoda**

- **2011 Model Year Upgrade**
- **New Systems Added:**
  - Service Interval Reset Procedure
    - Audi:
      - A3
      - A4
      - A5

## VAG – Volkswagen Audi Seat Skoda (continued)

- **Audi A4 (8K) 7 VW Golf (1K) models covered to near OE level**
  - Codes, Data, Actuator Tests & Special Functions (where applicable)
    - Engine Electronics
    - Auto Transmission
    - Brake Electronics
    - Kessey/Start Authorisation
    - Air Conditioning
    - Central Electronics
    - Park Steer Assist
    - Airbags
    - Steering Wheel Electronics
    - Instrument Cluster
    - Diagnostic Data Interface
    - Xenon Lights
    - Media Player II & Media Player III
    - Radio
    - Driver, Passenger, RR & LR Door Electronics
    - Tire Pressure Electronics
    - Trailer Electronics
    - Telephone

## Volvo

- **2011 Model Year Upgrade**
- **New Models Added:**
  - S60 & V60
    - 11 Engine variants covered
    - Engine, Transmission, ABS & Airbag
- **New Systems Added:**
  - Diesel Additive Module for D4164T Engine models. Codes, Data & Special Functions.
    - C30
    - S40
    - S80
    - V50
    - V70
- **Added Functionality for Existing Systems:**
  - 9 Models Upgraded:
    - C30
    - C70
    - S40
    - S80
    - V50
    - V70
    - XC60
    - XC70
    - XC90
  - Engine enhancement added:
    - V70, S60 & S80 (D5252T) (2000-2001)
      - Codes, Data & Actuators

## **USA Software**

***New and expanded USA Domestic & Asian coverage for the following makes:***

- **USA Domestic:**
  - Chrysler
  - Jeep
  - GM
  - Ford
  
- **US Asian Imports:**
  - Acura
  - Honda
  - Hyundai
  - Infiniti
  - Kia
  - Lexus
  - Mazda
  - Mitsubishi
  - Nissan
  - Scion
  - Subaru
  - Suzuki
  - Toyota

## **Component Test Meter / Troubleshooter\***

***New Key Models and Systems for 12.4 CTM:***

### **Australian CTM:**

- **Holden:**
  - Caprice WM Series 2, 6.0L AFM - Active Fuel Management Cylinder Deactivation (2010-2011): Engine
  - Caprice WM Series 2, 3.6L SIDI – Spark Ignition Direct Injection (2010-2011): Engine
  - Commodore VE/Ute VE Series 2, 6.0L AFM - Active Fuel Management Cylinder Deactivation (2010-2011): Engine
  - Commodore VE/Ute VE Series 2, 3.6L SIDI – Spark Ignition Direct Injection (2010-2011): Engine

### **US Domestic /US Imports CTM & Troubleshooter:**

- **CTM: Engine, Transmission, ABS, Charging System & Transfer Case system support**  
(selected systems on selected models)
- **TS: Engine, Transmission, ABS, Airbag & Body Systems**  
(selected systems on selected models)

## Component Test Meter / Troubleshooter (continued)

- **Enhanced CTM or TS coverage support to MY2011:**

- Chrysler/Jeep
- Ford
- GM
- Acura
- Audi
- BMW
- Honda
- Hyundai
- Infiniti
- Kia
- Lexus
- Mazda
- Mercedes Benz
- Mini
- Mitsubishi
- Nissan
- Scion
- Subaru
- **Suzuki** (New for Modis & Vantage Pro 12.4)
- Toyota
- Volkswagen
- Volvo

### **European CTM & Troubleshooter:** (Verus and Verdict only):

- **New Manufacturers:**

- **Seat (1999-2011)**
- **Skoda (1997-2011)**

- **Enhanced CTM coverage to MY2011:**

- Alfa Romeo
- Audi
- Citroen
- Ford
- Honda
- Peugeot
- Volkswagen

- **Enhanced Troubleshooter**

- Citroen
- Peugeot
- Opel /Vauxhaul

- **Over 3,900 CTM Tips added with Bundle 12.4**

- **The Bundle 12.4 update offers exclusive Fast-Track<sup>®</sup> Troubleshooter coverage all the way back to 1980 with over 17,600 new Tips and Timesavers!**

\*CTM & troubleshooter not applicable to Ethos