Bars Professional

MITSUBISHI 1988 – 2012 (CAN and non-CAN Systems)

VERSION: 3V07 DATE: MAY, 2012

SYSTEM (non-CAN)	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ID NO. DISPLAY
ENGINE Gasoline / GDI / Diesel Engine	1988 – 2012	+	+	+	+	+
TRANSMISSION ELC-4 / 5 Automatic Transmission	1988 – 2012	+	+	+	+ Special Functions (NOTE 12)	+
SRS Airbag	– 2012	+	+	+	+	+
ABS Anti-brake System	– 2012	+	+	+	+	+
TCL Traction Control	– 2012	+	+	+	+	+
A/C Air Conditioning	– 2012	+	+	+	+	+
SWS Smart Wiring System	– 2012	+	+	+	+	+
AYC Active Yaw Control **ACD** Active Centre Differential	– 2012	+	+	+	+	+
IMMOBILIZER	– 2012	+	+	+	Special Functions	+
SS4-II Super Select II	– 2012	+	+	+	+	+
HBB Hydraulic Brake Booster	– 2012		+	+	+	+
TPMS Tire Pressure Monitor System	– 2012	+	+	+	+	+

4WS / EPS Four-Wheel Steering Electric Power Steering	− 2012						+
CRUISE CONTROL	− 2012						+
ECS Electric Controlled Suspension	− 2012						+

SYSTEM (CAN)	YEAR	DATA STREAM	READ CODE	CLEAR CODE	ACTIVATION	ID NO. DISPLAY
ENGINE Gasoline / GDI / Diesel Engine	− 2012	+	+	+	Special Functions (note 8)	
TRANSMISSION ELC-AT Automatic Transmission	− 2012	+	+	+	Special Functions (note 11)	
SRS Airbag	− 2012	-2007	+	+		
ABS / ASC Anti-Brake System / Active Stability Control	− 2012	+	+	+		
TCL Traction Control	− 2012	-2007	+	+		
CRUISE CONTROL	− 2012	+	+	+		
A/C Air Conditioning	− 2012	-2007	+	+		
IMMOBILIZER	− 2012	+	+	+	Special Functions (note 7)	
METER Instrument Cluster	− 2012	-2007	+	+	Special Functions (note 9)	
DISPLAY	− 2012		+	+		
TPMS Tire Pressure Monitoring System	− 2012		+	+		
ETACS Electronic Time and Alarm Control System	− 2012		+	+		
WCM Wireless Control Module **KOS** Keyless Operation System **FAST-KEY** Freehand Advanced Security Transmitter	− 2012	+	+	+	Special Functions (note 10)	
EPS Electronic Power Steering	− 2012		+	+		
OCM Occupant Control Module	− 2012		+	+	Special Functions (note 13)	

NOTE:
1. Some of early models, Automatic Transmission and ABS systems have no digital protocol communication capability. It might be used jumping wire to energize the impulse codes or flash codes on Instrument cluster.
2. To register a key, a manufacturer password is required(for example 2949). The user should be aware that only two keys can be valid at the same time. That is, if the user has two valid keys, the user register another new key, then, one of the original valid keys will be invalidated.
3. To register a new key, there are two procedure: (1) Key register, which can be done by this software. (2) Remote Controller Register, which control the central lock, can't be registered by the scanner. Users should consult the repair manual to go through this procedure.
4. Recommend remote control register procedure:
   (1) Short the diagnostic connector pin 1 to ground.
   (2) Switch ignition to ACC within 10seconds, stay for 1 second.
   (3) Switch to OFF, stay for 1 second.
   (4) Repeat step (2) and (3) for three times. The door locks of the vehicle will lock and unlock automatically once, and go into password setting mode.
   (5) Push key remote control button twice. (The first push has to be within 10 seconds).
   (6) After the procedure is carried out, the locks of the vehicle will lock and unlock automatically once.
   (7) Finished.
   (8) To set the second remote controller, repeat procedure (1) to (7). NOTICE! The central lock module can only store two passwords (keys).
5. Do not support some models equipped with Chrysler systems(ex. Eclipse, Magic).
6. Increase special functions involving key registration, add keys, and engine keycode register.

8. The adaptation functions of the **ENGINE**
   (1) ETV Initialization Procedure
   (2) Learning Procedure for Idling
   (3) Reset All Learned Value
   (4) VIN Registration
   (5) Injector ID Readout (Diesel Engine)
   (6) Injector ID Registration (Diesel Engine)
   (7) Small Injection Quantity Learning (Diesel Engine)
   (8) Fuel Leakage Check (Diesel Engine)
   (9) Supply Pump Exchange Service and Initialization(Diesel Engine)

9. The adaptation functions of the **METER**
   (1) Service Reset
   (2) Set Service Mileages and Months.

10. The adaptation functions of the **WCM / KOS /FAST-KEY**

(1)Key Registration (2)KOS Key
Registration (3)STEERING Lock Unit
Registration (4)Keyless Id
Registration
(5)ENGINE Key Code Registration

11.   The adaptation of the **Transmission / CVT**:
(1)Clear CVT oil degradation level

12.   The adaptation of the **Transmission**:
(1)Reset All Learned Value

13.   The adaptation functions of the **OCM**:
(1) Zero Calibration
(2) 30kg System Test
(3) 0kg System Test