

MANUAL TRANSMISSION

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WARNING REGARDING SERVICING OF SUPPLEMENTAL RESTRAINT SYSTEM (SRS) EQUIPPED VEHICLES

WARNING!

- (1) Improper service or maintenance of any component of the SRS, or any SRS-related component, can lead to personal injury or death to service personnel (from inadvertent firing of the air bag) or to driver and passenger (from rendering the SRS inoperative).
- (2) Service or maintenance of any SRS component or SRS-related component must be performed only at an authorized MITSUBISHI dealer.
- (3) MITSUBISHI dealer personnel must thoroughly review this manual, and especially its GROUP 52B – Supplemental Restraint System (SRS) before beginning any service or maintenance of any component of the SRS or any SRS-related component.

NOTE

The SRS includes the following components: SRS-ECU, SRS warning lamp, air bag module, clock spring and interconnecting wiring. Other SRS-related components (that may have to be removed/installed in connection with SRS service or maintenance) are indicated in the table of contents by an asterisk (*).

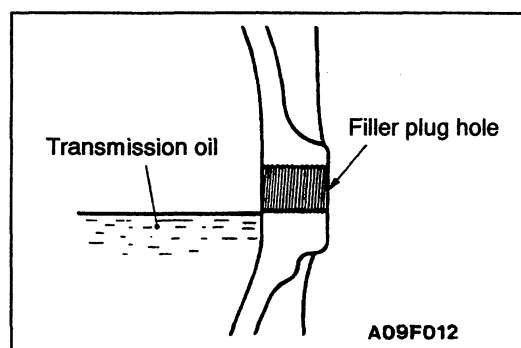
GENERAL

OUTLINE OF CHANGES

An F5M42 manual transmission has been adopted in vehicles with 4G93-GDI engine. Maintenance service procedures have been established to correspond to this.

LUBRICANT

Item	Specified lubricant	Quantity ℓ
Transmission oil	Hyper gear oil SAE 75W – 90 or 75W – 85W conforming to API GL-4	2.2

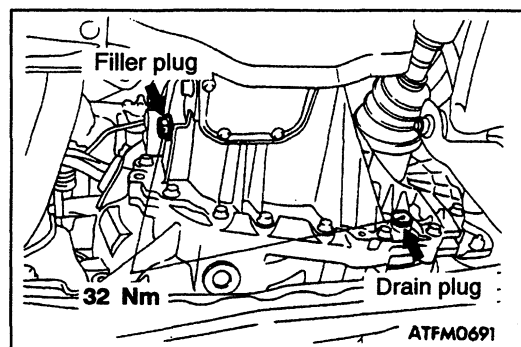


ON-VEHICLE SERVICE

TRANSMISSION OIL CHECK

- (1) Remove the oil filler plug.
- (2) Oil level should be at the lower portion of the filler plug hole.
- (3) Check that the transmission oil is not noticeably dirty, and that it has a suitable viscosity.
- (4) Tighten the filler plug to the specified torque.

Tightening torque: 32 Nm



TRANSMISSION OIL REPLACEMENT

- (1) Remove the drain plug to drain oil.
- (2) Tighten the drain plug to the specified torque.
- (3) Remove the filler plug and fill with specified oil till the level comes to the lower portion of filler plug hole.

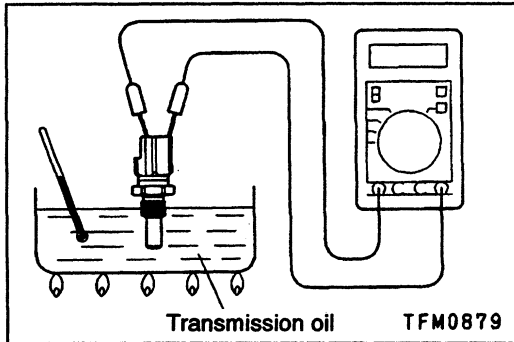
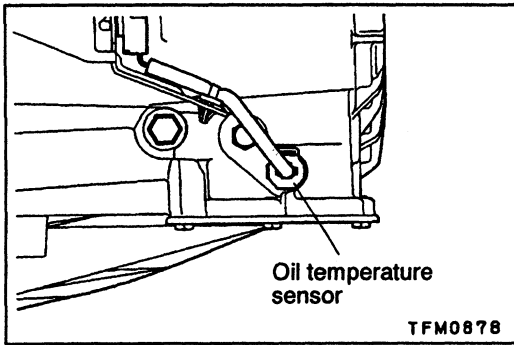
Transmission oil

Specified oil:

Hypoid gear oil SAE 75W – 90 or 75W – 80W conforming to API GL-4

Quantity: 2.2 ℓ

- (4) Tighten the filler plug to the specified torque.



OIL TEMPERATURE SENSOR CHECK

- (1) Remove the oil drain plug to drain the transmission oil.
- (2) Remove the oil temperature sensor.

- (3) Measure the resistance between terminals No.1 and No.2 of the oil temperature sensor-side connector.

Standard value:

Oil temperature (°C)	Resistance (k Ω)
20	2.31 – 2.59
110	0.145 – 0.149

- (4) If the resistance is outside the standard value, replace the oil temperature sensor.
- (5) Install the oil temperature sensor and tighten it to the specified torque.

Tightening torque: 20 – 25 Nm

- (6) Tighten the oil drain plug to the specified torque, and then replenish the transmission oil. (refer to P.22-2.)