
AUTOMATIC TRANSMISSION

DESCRIPTION

PRECAUTIONS

ATOP8-06

When working with FIPG material, you must observe the following.

- Using a razor blade and gasket scraper, remove all the old packing (FIPG) material from the gasket surfaces.
- Thoroughly clean all components to remove all the loose material.
Clean both sealing surfaces with a non-residue solvent.
- Apply the FIPG in an approx. 1 mm (0.04 in.) wide bead along the sealing surface.
- Parts must be assembled within 10 minutes of application. Otherwise, the FIPG material must be removed and reapplied.

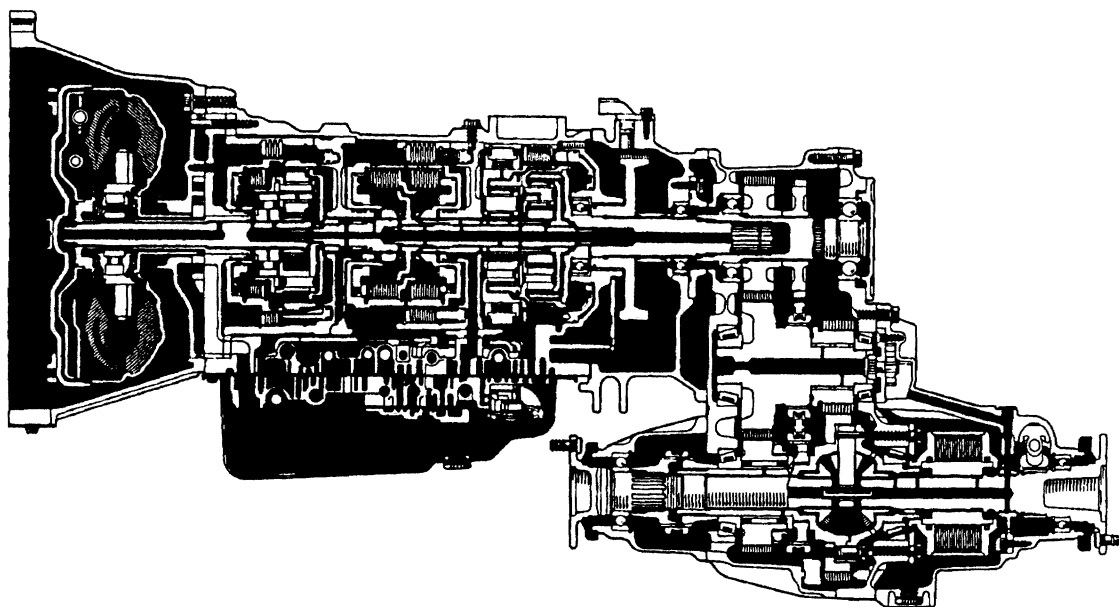
If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section.

GENERAL DESCRIPTION

ATOR8-01

The A442F automatic transmission is the four-speed automatic transmission with a two-speed transfer, developed with the aim of producing an easy-driving 4WD vehicle. A lock-up mechanism is built into the torque converter clutch.

The A442F transmission is mainly composed of the torque converter clutch, the overdrive (hereafter called O/D) planetary gear unit, 3-speed planetary gear unit, 2-speed transfer, the hydraulic control system and the electronic control system.



GENERAL SPECIFICATIONS

Type of Transmission	A442F
Type of Engine	1 FZ-FE
Torque Converter Clutch Stall Torque Ratio	1.8:1
Lock-up Mechanism	Equipped
Gear Ratio 1 st Gear 2nd Gear 3rd Gear O/D Gear Reverse Gear	2.950 1.530 1.000 0.765 2.678
Number of Discs and Plate (Disc and Plate) Front Clutch (C₁) Rear Clutch (C₂) O/D Direct Clutch (C₀) 2nd Brake (B₂) 1 st and Reverse Brake (B₃) O/D Brake (B₀)	6/6 5/5 3/3 5/5 6/6 3/3
ATF Type	ATF DEXRON® II
Capacity Liter (US qts, Imp.qts) Total Drain and Refill	15.4 (16.3, 13.6) 6.0 (6.3, 5.3)