

A340E, A340F AUTOMATIC TRANSMISSION

DESCRIPTION

PRECAUTIONS

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

- Using a razor blade and gasket scraper, remove all the old 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

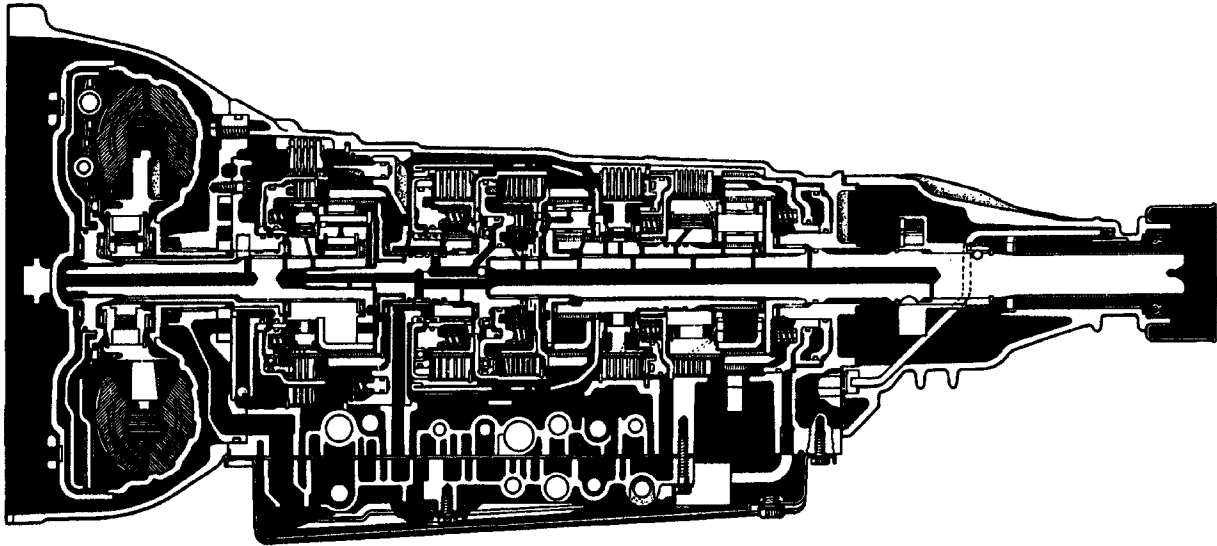
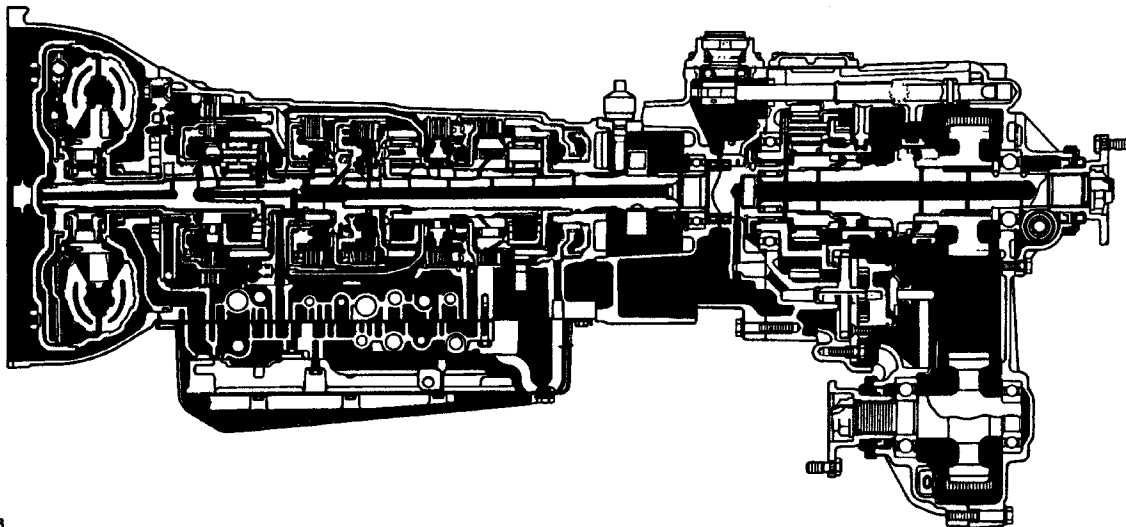
The A340E is a 4–speed, Electronically Controlled Transmission developed for use with highperformance engines such as the 3VZ–E. A lock–up mechanism is built into the torque converter clutch.

The A340F automatic transmission is a 4–speed automatic transmission with mechanically controlled 4WD transfer, developed with the aim of producing an easy–driving 4WD vehicle.

The transmission section has fundamentally the same construction as the A340E automatic transmission mounted in the TRUCK.

The operation of these automatic transmission is fully controlled by the ECM.

The A340E and A340F automatic transmissions are mainly composed of the torque converter clutch, the overdrive (hereafter called O/D) planetary gear unit, 3–speed planetary gear unit, the hydraulic control system and the electronic control system.

Sectional View**A340E****A340F**AT4366
AT5744

Z04672

Type of Transmission	A340E	A340F
Type of Engine	3vz - e	22R-E
Torque Converter Clutch		
Stall Torque Ratio	2.1 : 1	2.3 : 1
Lock-Up Mechanism	Equipped	←
Gear Ratio		
1st Gear	2.904	←
2nd Gear	1.531	←
3rd Gear	1.000	←
O/D Gear	0.705	←
Reverse Gear	2.393	←
Plates(Disc/Plate)		
O/D Direct Clutch (C ₀)	2 / 2	1 / 1
Forward Clutch (C ₁)	5 / 5	4 / 4
Direct Clutch (C ₂)	4 / 4	3 / 3
2nd Brake (B ₂)	5 / 5	4 / 4
1 st & Reverse Brake (B ₃)	6 / 6	5 / 5
O/D Brake (B ₀)	4 / 3	3 / 2
Second Coast Brake Band Width		
mm (in.)	40 (1.57)	←
ATF Type	ATF DEXRON® II	←
Capacity		
liter (US qts, Imp. qts)		
Dry Fill	7.2 (7.6, 6.3)	7.6 (8.0, 6.7)
Drain and Refill	1.6 (1.7, 1.4)	2.0 (2.1, 1.8)