

AUTOMATIC TRANSMISSION SYSTEM > GENERAL

OUTLINE

- a. The A760F 6-speed Electronic Control Transmission (ECT) is used.
- b. A gate type shift lever is used.
- c. A multi-mode automatic transmission is used.
- d. A shift pattern select system is used.
- e. An ATF warmer and a water-cooled type ATF cooler are provided in the ATF cooling system as standard equipment on all models except models for G.C.C countries. In addition to these, an air-cooled type ATF cooler is provided as optional equipment on all models except models for G.C.C. countries and as standard equipment on models for G.C.C. countries.

SPECIFICATION

Automatic Transmission Assembly

Control ECU		ECM
Gear Ratio	1st	3.520
	2nd	2.042
	3rd	1.400
	4th	1.000
	5th	0.716
	6th	0.586
	Reverse	3.224
ATF Cooling System	ATF Warmer	With
	Water-cooled Type ATF Cooler	With
	Air-cooled Type ATF Cooler	Without*1, With*2
Fluid Type		Toyota Genuine ATF WS
Fluid Capacity		11.0 Liters (11.6 US qts, 9.7 Imp. qts)*3 11.2 Liters (11.8 US qts, 9.9 Imp. qts)*4
Weight (Reference)*5		89.8 kg (198.0 lb)*3 89.9 kg (198.2 lb)*4

HINT:

- *1: Standard equipment except for G.C.C. countries
- *2: Optional equipment except for G.C.C. countries and standard equipment for G.C.C. countries
- *3: Models without air-cooled type ATF cooler
- *4: Models with air-cooled type ATF cooler
- *5: Weight shows the figure with the fluid fully filled.

Planetary Gears

Compound Gear Unit	Front Planetary Gear Assembly	No. of Sun Gear Teeth		40
		No. of Pinion Gear Teeth	Inner	22
			Outer	21
		No. of Ring Gear Teeth		91
	Center Planetary Gear Assembly	No. of Sun Gear Teeth		31
		No. of Pinion Gear Teeth		23
		No. of Ring Gear Teeth		77
	Rear Planetary Gear Assembly	No. of Sun Gear Teeth		25
		No. of Pinion Gear Teeth		19
		No. of Ring Gear Teeth		63

Friction Engagement Components and 1-way Clutch

No. 1 Clutch (C_1)	No. of Discs	5
No. 2 Clutch (C_2)		6
No. 3 Clutch (C_3)		5
No. 4 Clutch (C_4)		3
No. 1 Brake (B_1)		4
No. 2 Brake (B_2)		4
No. 3 Brake (B_3)		4
No. 4 Brake (B_4)		8
No. 1 1-way Clutch (F_1)	No. of Sprags	18
No. 2 1-way Clutch (F_2)		25
No. 3 1-way Clutch (F_3)		26
No. 4 1-way Clutch (F_4)		27

Torque Converter Clutch Assembly

Torque Converter Clutch Type	3-element, 1-step, 2-phase
Stall Torque Ratio	1.800

