

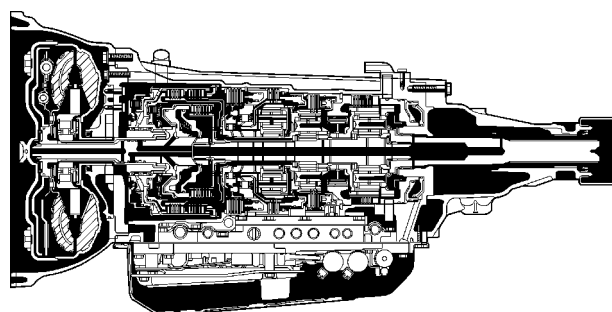
CHASSIS

A750E AND A750F AUTOMATIC TRANSMISSIONS

DESCRIPTION

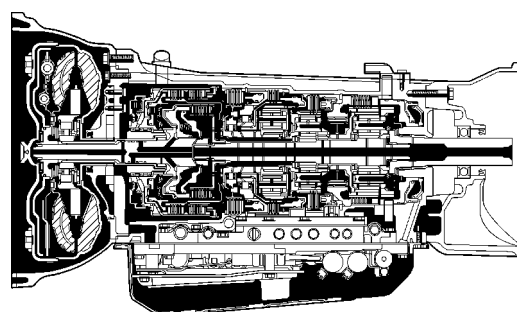
An A750E (for 2WD models) or A750F (for 4WD models) 5-speed Super ECT (Electronic Controlled Transmission) is used. The only difference between the A750E and A750F is in the extension housing and output shaft.

- These automatic transmissions are equipped with multi-mode automatic transmission function. For details, see page CH-33.
- These automatic transmissions are equipped with an ATF warmer as standard equipment to warm up ATF. For details, see page CH-5.
- All models are also equipped with an ATF cooler as an option to ensure high ATF cooling performance. For details, see page CH-5.
- A low-viscosity type transmission fluid (Toyota Genuine ATF WS) is used. For details, see page CH-9.



A750E (For 2WD Models)

04E0CH125C



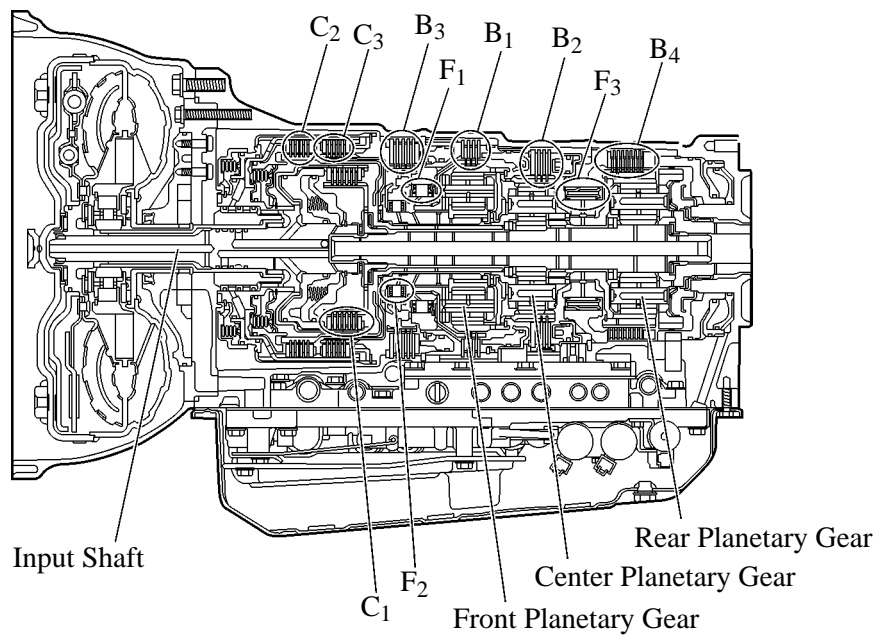
A750F (For 4WD Models)

04E0CH124C

► Specifications ◀

Engine Type		2UZ-FE	
Transmission Type		A750E	A750F
Drive Type		2WD	4WD
Gear Ratio	1st	3.520	←
	2nd	2.042	←
	3rd	1.400	←
	4th	1.000	←
	5th	0.716	←
	Reverse	3.224	←
Fluid Type		Toyota Genuine ATF WS	←
Fluid Capacity Liters (US qts, Imp. qts)	Without ATF Cooler	10.5 (11.1, 9.2)	←
	With ATF Cooler	11.1 (11.7, 9.8)	←
Weight (Reference)* kg (lb)	Without ATF Cooler	84.7 (186.7)	85.5 (188.5)
	With ATF Cooler	85.2 (187.8)	86.0 (189.6)

*: The figure shown is the weight of the part including fluid.

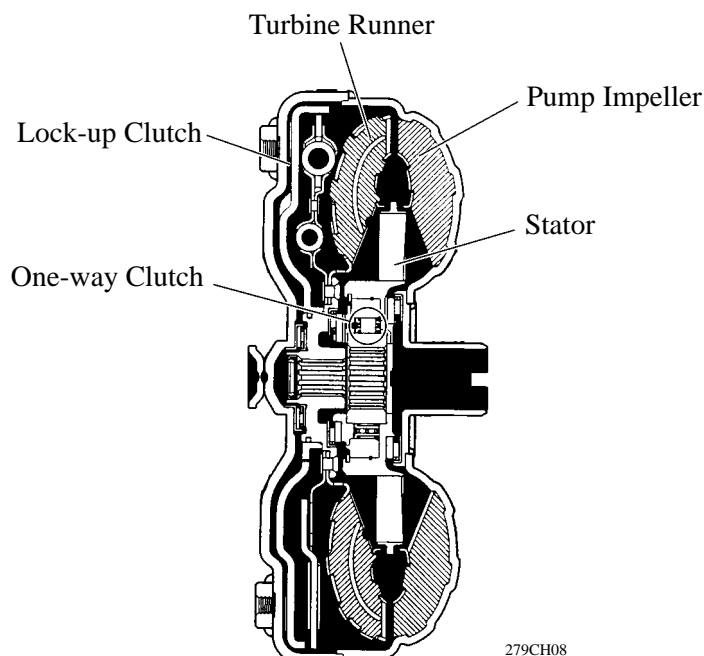


04E0CH126C

Transmission Type			A750E, A750F	
C ₁	No. 1 Clutch	The No. of Discs	7	
C ₂	No. 2 Clutch		6	
C ₃	No. 3 Clutch		5	
B ₁	No. 1 Brake		4	
B ₂	No. 2 Brake		3	
B ₃	No. 3 Brake		4	
B ₄	No. 4 Brake		8	
F ₁	No. 1 One-way Clutch	The No. of Sprags	18	
F ₂	No. 2 One-way Clutch		25	
F ₃	No. 3 One-way Clutch		26	
Front Planetary Gear		The No. of Sun Gear Teeth		40
		The No. of Pinion Gear Teeth	Inner	22
			Outer	21
		The No. of Ring Gear Teeth		91
Center Planetary Gear		The No. of Sun Gear Teeth		31
		The No. of Pinion Gear Teeth		23
		The No. of Ring Gear Teeth		77
Rear Planetary Gear		The No. of Sun Gear Teeth		25
		The No. of Pinion Gear Teeth		19
		The No. of Ring Gear Teeth		63

■ TORQUE CONVERTER

A compact, lightweight and high-capacity torque converter is used. The torque converter supports flex lock-up clutch control, thus allowing for improved fuel economy.



► Specifications ◀

Transmission Type	A750E, A750F
Torque Converter Type	3-element, 1-step, 2-phase (with Lock-up Mechanism)
Stall Torque Ratio	1.80

■ OIL PUMP

The oil pump is driven by the torque converter. It lubricates the planetary gear units and supplies operating fluid pressure for hydraulic control.

The pump cover is made of aluminum to reduce weight.

