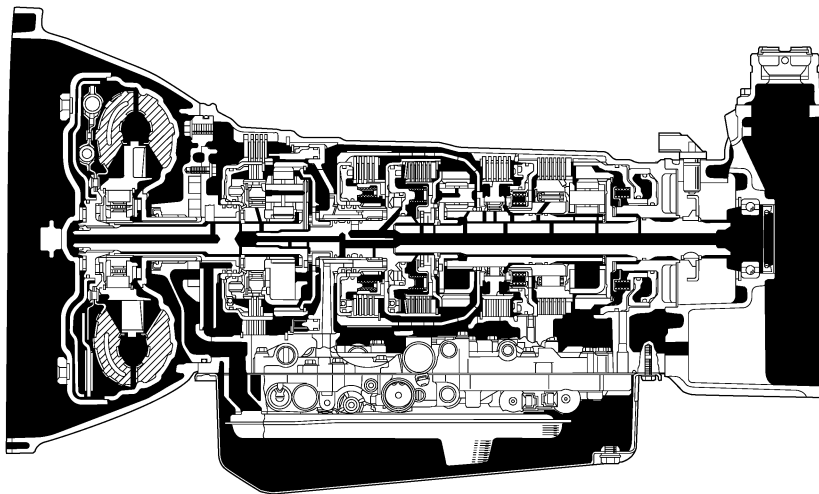


A343F AUTOMATIC TRANSMISSION

DESCRIPTION

- The new Land Cruiser/Land Cruiser Prado uses the A343F automatic transmission for 3RZ, 1KZ, and 1KD engine models. This automatic transmission is 4-speed ECT (Electronic Control Transmission).
- The following chart describes the changes from A343F on the previous model to A343F on the new model.

Item	Outline
Fluid Type	Fluid type has been changed to increase shifting feeling from type D-II to type T-IV.
Electronic Control System	The pattern select switch (power mode) has been discontinued. However, the pattern select switch (2nd start) is a carryover from the previous model.
Shift Control Mechanism	Change of the shift lever type (straight type → gate type).
Other	Configuration and structure are the same as A343F on the previous model.



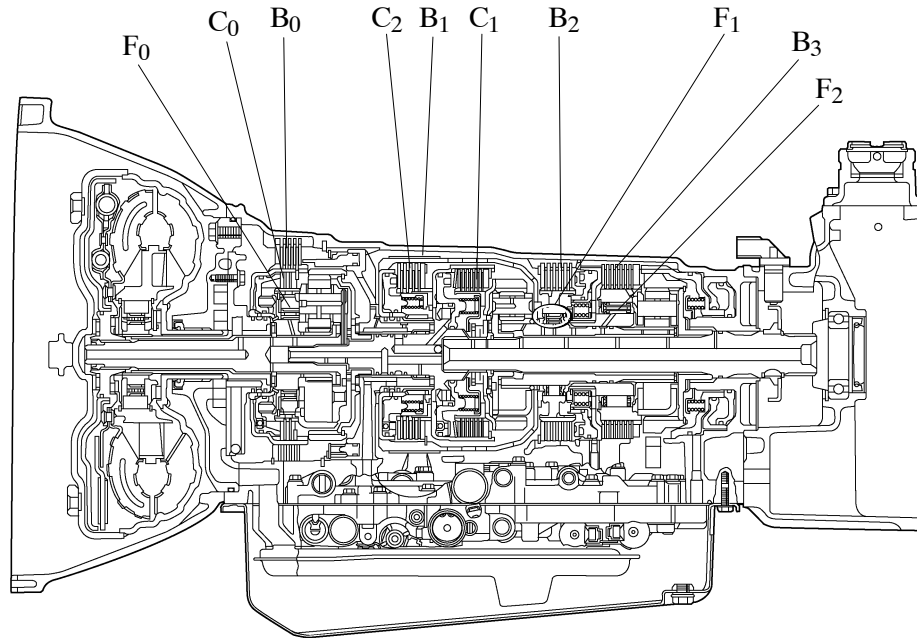
233CH10

Specification

Model		New	Previous
Gear Ratio	1st	2.804	←
	2nd	1.531	←
	3rd	1.000	←
	4th (Overdrive)	0.753	←
	Reverse	2.393	←
Fluid Capacity Liters (US qts, Imp.qts)		10.1 (10.7, 9.0)	←
Fluid Type		ATF Type T-IV	ATF Type D-II or DEXRON® II, DEXRON® III
Weight (Reference)*	kg (lb)	81.0 (178.6)	3RZ: 80.0 (176.4) 1KZ: 81.2 (179.0)

*: Weight shows the figure with the fluid fully filled.

► Planetary Gear Unit Specification ◀



233CH11

CH

Item		Engine	
		3RZ-FE	1KZ-TE, 1KD-FTV
C ₀	OD Direct Clutch	2	←
C ₁	Forward Clutch	No. of Discs	6
C ₂	Direct Clutch		4
B ₀	OD Brake		4
B ₁	2nd Coast Brake	Band Width	40 (1.57)
B ₂	2nd Brake	mm (in.)	5
B ₃	1st & Reverse Brake		6
F ₀	OD One-Way Clutch		7
F ₀	OD One-Way Clutch	No. of Discs	24
F ₁	No.1 One-Way Clutch		22
F ₂	No.2 One-Way Clutch		28
Front Planetary Gear	No. of Sun Gear Teeth	42	←
	No. of Pinion Gear Teeth	19	←
	No. of Ring Gear Teeth	79	←
Rear Planetary Gear	No. of Sun Gear Teeth	33	←
	No. of Pinion Gear Teeth	23	←
	No. of Ring Gear Teeth	79	←
OD Planetary Gear	No. of Sun Gear Teeth	31	←
	No. of Pinion Gear Teeth	33	←
	No. of Ring Gear Teeth	95	←