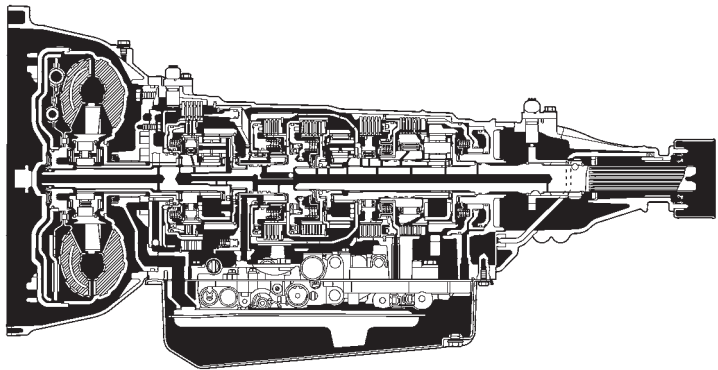


A340E, A340F, A343E AND A343F AUTOMATIC TRANSMISSIONS

■ DESCRIPTION

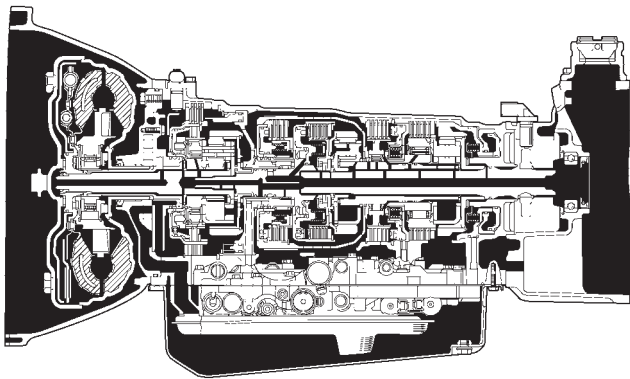
- The new Hilux has been adopted the A340E, A340F, A343E and A343F automatic transmissions. These automatic transmissions are 4-speed ECT (Electronic Control Transmission).
- For the A340E and A340F automatic transmissions that have been adopted on the 1KD-FTV and 2KD-FTV High Version engine models, the engine ECU and the transmission control ECU are separate. The engine ECU and the transmission control ECU exchange information via CAN (Controller Area Network) communication.
- The automatic transmissions and their applications are indicated below.

Engine Type	Drive Type	Transmission	Control ECU
1KD-FTV	2WD	A340E	Transmission Control ECU
● 1KD-FTV ● 2KD-FTV High Version	4WD	A340F	
2TR-FE	● 2WD ● 2WD Pre Runner	A343E	Engine & ECT ECU
	4WD	A343F	



A340E

271CH06



A340F

271CH07

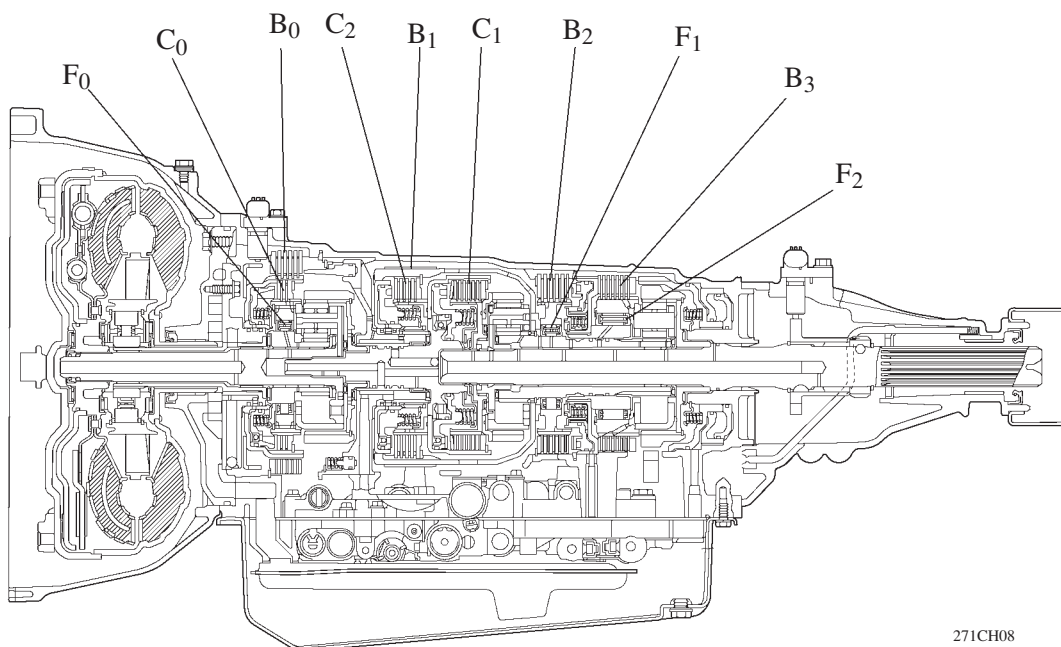
► Specifications ◀

Transmission Type		A340E	A340F	
Engine Type		1KD-FTV	1KD-FTV	2KD-FTV High Version
Gear Ratio	1st	2.804	←	←
	2nd	1.531	←	←
	3rd	1.000	←	←
	4th	0.705	←	←
	Reverse	2.393	←	←
Fluid Capacity Liters (US qts, Imp.qts)		10.1 (10.7, 9.0)	←	←
Fluid Type		TOYOTA ATF Type T-IV or Equivalent	←	←
Weight (Reference)* kg (lb)		80.1 (176.6)	80.9 (178.4)	80.5 (177.5)

Transmission Type		A343E	A343F
Engine Type		2TR-FE	←
Gear Ratio	1st	2.804	←
	2nd	1.531	←
	3rd	1.000	←
	4th	0.753	←
	Reverse	2.393	←
Fluid Capacity Liters (US qts, Imp.qts)		10.1 (10.7, 9.0)	←
Fluid Type		TOYOTA ATF Type T-IV or Equivalent	←
Weight (Reference)* kg (lb)		79.9 (176.2)	81.0 (178.6)

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

► Planetary Gear Unit Specification ◀



271CH08

► Specifications of the Clutch, Brake and Gear Train ◀

Item			Type			
			A340E	A340F	A343E	A343F
C ₀	OD Direct Clutch	No. of Discs	2	←	←	←
C ₁	Forward Clutch		6	5*1, 6*2	5	←
C ₂	Direct Clutch		4	←	3	←
B ₀	OD Brake		4	3*1, 4*2	4	←
B ₁	2nd Coast Brake	Band Width mm (in.)	40 (1.57)	←	←	←
B ₂	2nd Brake	No. of Discs	5	←	←	←
B ₃	1st & Reverse Brake		7	6*1, 7*2	6	←
F ₀	OD One-Way Clutch		24	20*1, 24*2	20	←
F ₁	No.1 One-Way Clutch		22	18*1, 22*2	18	←
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		33	←	31	←
	No. of Pinion Gear Teeth		23	←	32	←
	No. of Ring Gear Teeth		79	←	95	←

*1 : 2KD-FTV High Version engine models

*2 : 1KD-FTV engine models