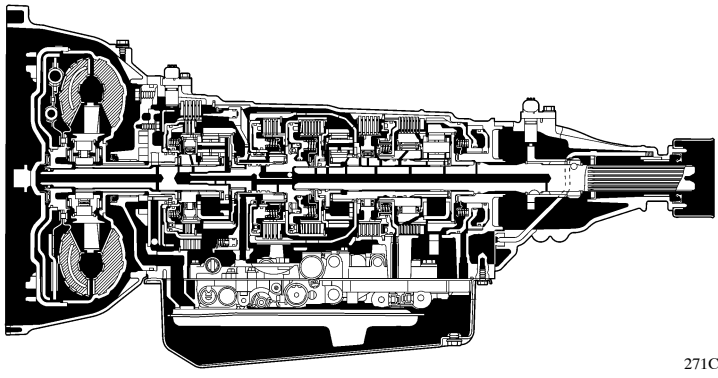
A340E, A340F, A343E AND A343F AUTOMATIC TRANSMISSIONS

■ DESCRIPTION

- The A340E, A340F, A343E and A343F automatic transmissions are used on the new Fortuner/Hilux SW4. These automatic transmissions are 4-speed ECTs (Electronic Control Transmissions).
- For the A340E and A340F automatic transmissions are used on the models the 1KD-FTV and 2KD-FTV High Version engines, the ECM and the ECT ECU are separate. The ECM and the ECT ECU exchange information via CAN (Controller Area Network) communication.
- The automatic transmissions and their provisions are outlined below.

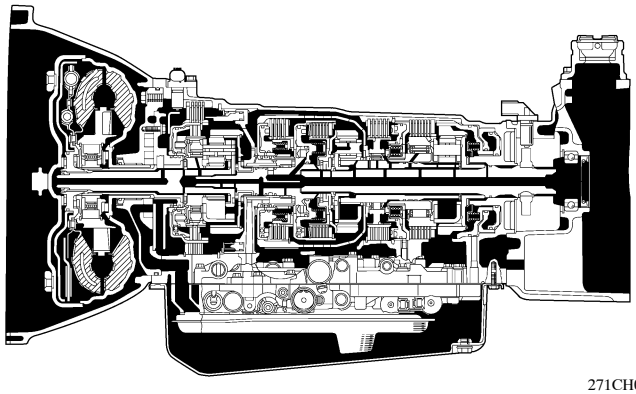
Transmission Type	A340E	A340F
Engine Type	1KD-FTV, 2KD-FTV High version	1KD-FTV, 2KD-FTV High Version
Drive Type	2WD	4WD
Control ECU	ECT ECU	ECT ECU

Transmission Type	A343E	A343F
Engine Type	2TR-FE	2TR-FE
Drive Type	2WD	4WD
Control ECU	ECM	ECM



271CH06

A340E Automatic Transmission



271CH07

A340F Automatic Transmission

▶ Specifications ◀

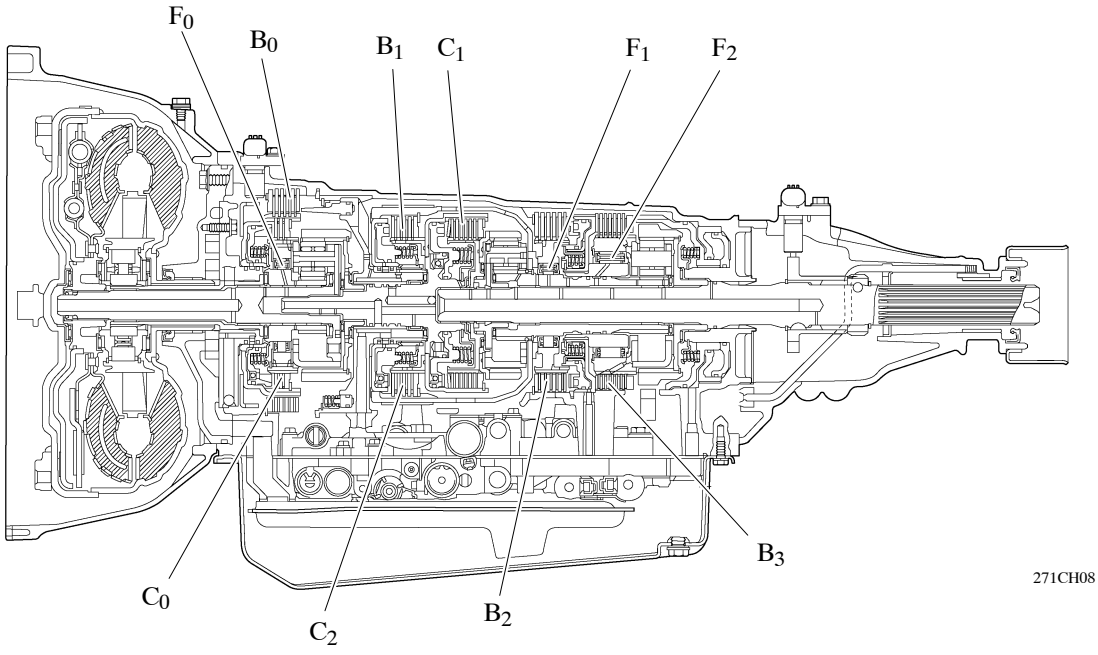
Transmission Type		A340E	A340F
Engine type		1KD-FTV, 2KD-FTV High Version	←
Gear Ratio	1st	2.804	←
	2nd	1.531	←
	3rd	1.000	←
	4th	0.705	←
	Reverse	2.393	←
Fluid Capacity	Liters (US qts, Imp. qts)	10.1 (10.7, 9.0)	←
Fluid Type		Toyota Genuine ATF Type T-IV	←
Weight (Reference)*1	kg (lb)	80.1 (176.6)*2, 79.6 (175.5)*3	80.9 (178.4)*2, 80.5 (177.5)*3

*1: Weight shows the figure with the fluid fully filled.
*2: Models with 1KD-FTV engine
*3: Models with 2KD-FTV High Version engine

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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 Genuine ATF Type T-IV	←
Weight (Reference)*	kg (lb)	79.9 (176.2)	81.0 (178.6)

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



▶ Clutch, Brake and Planetary Gears Specifications ◀

Transmission Type			A340E, A340F		A343E, A343F
Engine Type			1KD-FTV	2KD-FTV High Version	2TR-FE
C_0	OD Direct Clutch	The No. of Discs	2	←	←
C_1	Forward Clutch		6	5	←
C_2	Direct Clutch		4	←	3
B_0	OD Brake		4	3	4
B_1	2nd Coast Brake	Band Width mm (in.)	40 (1.57)	←	←
B_2	2nd Brake	The No. of Discs	5	←	←
B_3	1st & Reverse Brake		7	6	←
F_0	OD One-way Clutch	The No. of Sprags	24	20	←
F_1	No. 1 One-way Clutch		22	18	←
F_2	No. 2 One-way Clutch		28	←	←
Front Planetary Gear		The No. of Sun Gear Teeth	42	←	←
		The No. of Pinion Gear Teeth	19	←	←
		The No. of Ring Gear Teeth	79	←	←
Rear Planetary Gear		The No. of Sun Gear Teeth	33	←	←
		The No. of Pinion Gear Teeth	23	←	←
		The No. of Ring Gear Teeth	79	←	←
OD Planetary Gear		The No. of Sun Gear Teeth	33	←	31
		The No. of Pinion Gear Teeth	23	←	32
		The No. of Ring Gear Teeth	79	←	95