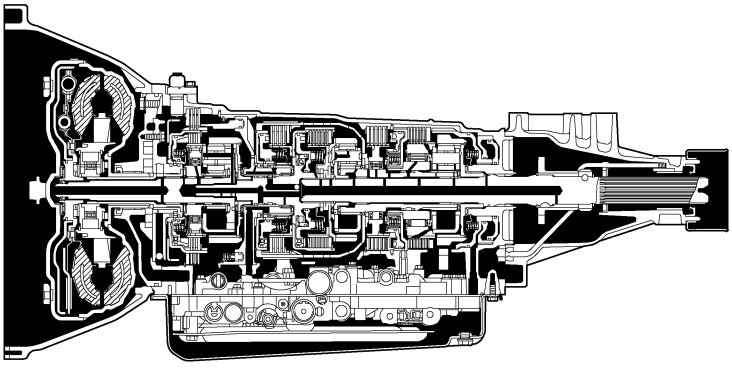
A340E AND A343E AUTOMATIC TRANSMISSIONS

■ DESCRIPTION

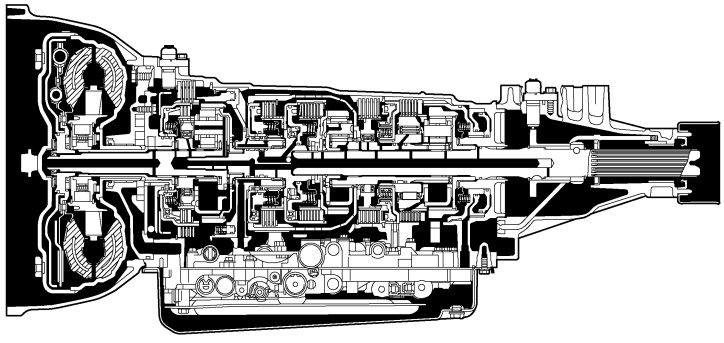
- The new Hiace uses the A340E and A343E automatic transmissions. These automatic transmissions are 4-speed ECT (Electronic Control Transmission).
- For the A340E automatic transmission that is used on the 2KD-FTV engine models, the engine ECU and the transmission control ECU are separated. The engine ECU and the transmission control ECU exchange information via CAN (Controller Area Network) communication.
- The automatic transmissions and their applications are indicated below.

Transmission	Engine Type	Control ECU
A340E	2KD-FTV	Transmission Control ECU
A343E	2TR-FE	Engine ECU



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A340E



A343E

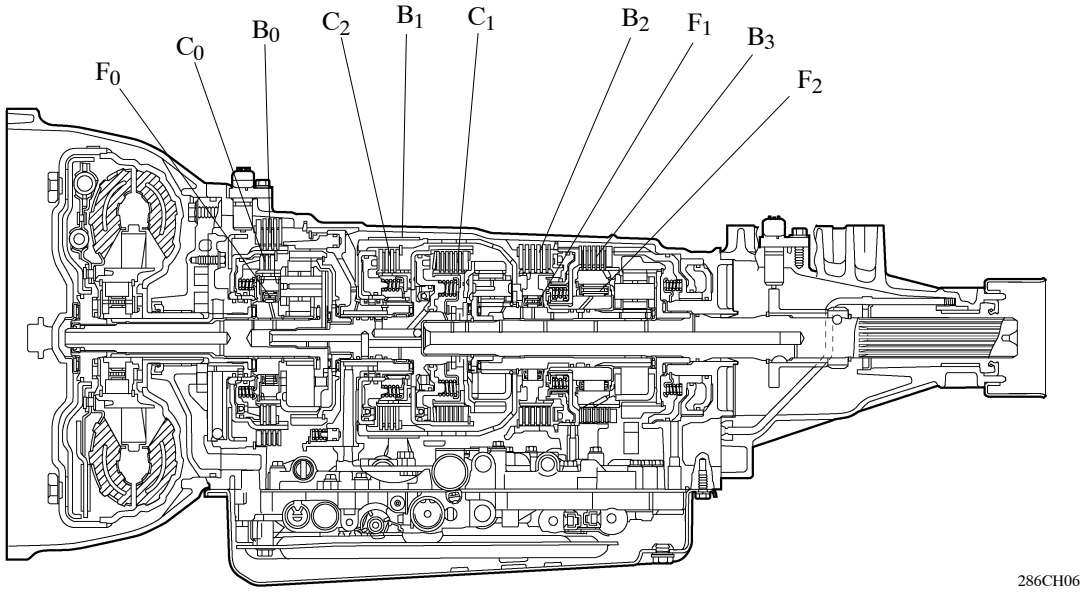
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▶ Specifications ◀

Transmission Type		A340E	A343E
Engine Type		2KD-FTV	2TR-FE
Gear Ratio	1st	2.804	←
	2nd	1.531	←
	3rd	1.000	←
	4th	0.705	0.753
	Reverse	2.393	←
Fluid Capacity	Liters (US qts, Imp.qts)	8.3 (8.8, 7.3)	←
Fluid Type		TOYOTA Genuine ATF Type T-IV	←
Weight (Reference)*	kg (lb)	79.5 (174.9)	79.7 (175.3)

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

▶ Planetary Gear Unit Specification ◀



▶ Specifications of the clutch, brake and gear train in the A340E and A343E ◀

Transmission Type			Type	
			A340E	A343E
C_0	OD Direct Clutch	No. of Discs	2	←
C_1	Forward Clutch		5	←
C_2	Direct Clutch		4	3
B_0	OD Brake		3	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		6	←
F_0	OD One-Way Clutch		20	←
F_1	No.1 One-Way Clutch		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