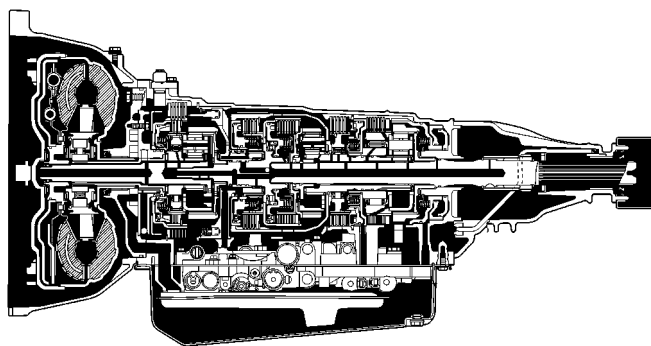


## A340E AND A340F AUTOMATIC TRANSMISSION

### ■ DESCRIPTION

- On the '03 4Runner with the 1GR-FE engine, the A340E (for 2WD) and A340F (for 4WD) automatic transmissions have been carried over from the '02 4Runner.
- The following chart describes the changes from A340E/F on the '02 model to A340E/F on the '03 model.

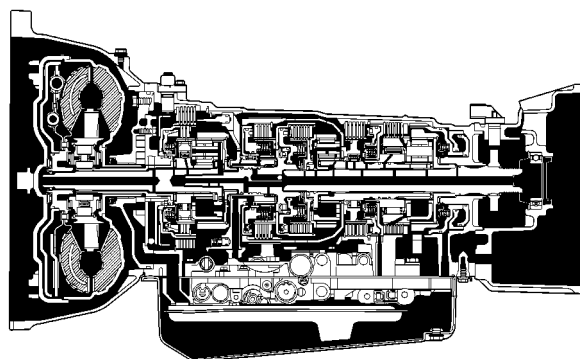
Item	Outline
Fluid Type	Fluid type has been changed to improve shifting feeling from D-II type to T-IV type.
Planetary Gear Unit	The number of discs has been changed in the O/D and 1st & reverse brakes to optimize the engine output characteristics.
Electronic Control System	<ul style="list-style-type: none"> <li>● The pattern select switch (power mode) has been discontinued.</li> <li>● An input speed sensor is used to improve the shift control precision of the ECM, thus improve the shift feel.</li> <li>● Along with the adoption of the input speed sensor, P0717 has been added to the DTCs (Diagnostic Trouble Codes).</li> <li>● All the DTC have been made to correspond to the SAE controlled codes.</li> <li>● Along with the adoption of the gate type shift lever, the circuit of the transmission control switch has been changed.</li> </ul>
Shift Control Mechanism	Change of the shift lever type (straight type → gate type).
Other	Configuration and structure are the same as A340E/F on the '02 model.



238CH01

**A340E**

**NF**



238CH02

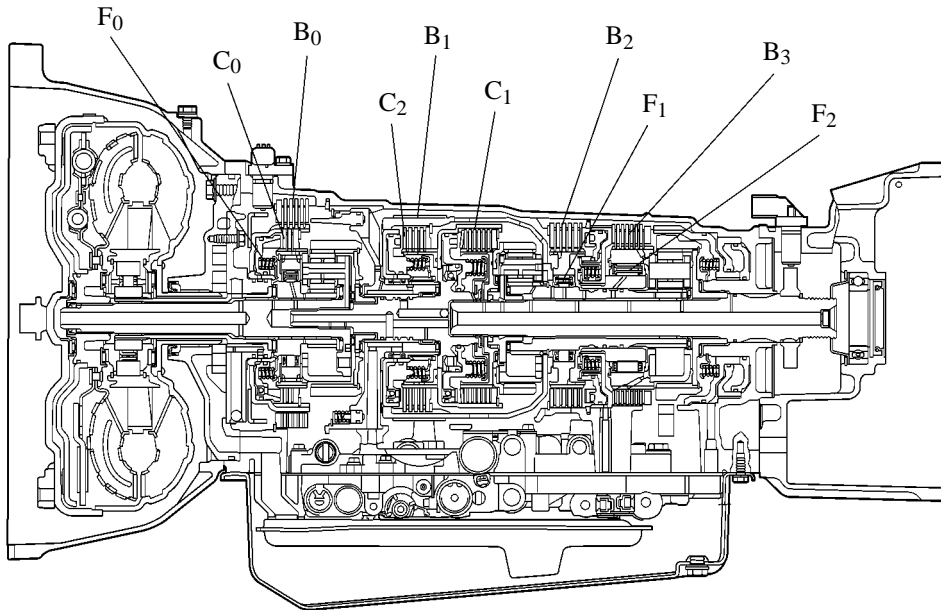
**A340F**

► Specifications ◀

Model		'03 4Runner	'02 4Runner
Engine Type		1GR-FE	5VZ-FE
Gear Ratio	1st	2.804	←
	2nd	1.531	←
	3rd	1.000	←
	4th (Overdrive)	0.705	←
	Reverse	2.393	←
Fluid Capacity	Liters (US qts, Imp.qts)	10.1 (10.7, 9.0)	7.2 (7.6, 6.3): A340E 10.1 (10.7, 9.0): A340F
Fluid Type		ATF Type T-IV	ATF Type D-II or equivalent
Weight (Reference)*	kg (lb)	83.7 (184.5): A340E	78.0 (172.0): A340E
		85.0 (187.4): A340F	80.2 (176.8): A340F

\*: Weight shows the figure with the oil and water fully filled.

### ► Planetary Gear Unit Specifications ◀



238CH03

Item		'03 4Runner	'02 4Runner
C <sub>0</sub>	OD Direct Clutch	No. of Discs	←
C <sub>1</sub>	Forward Clutch		←
C <sub>2</sub>	Direct Clutch		←
B <sub>0</sub>	OD Brake		4
B <sub>1</sub>	2nd Coast Brake	Band Width	mm (in.)
B <sub>2</sub>	2nd Brake	40 (1.57)	←
B <sub>3</sub>	1st & Reverse Brake	No. of Discs	←
F <sub>0</sub>	OD One-Way Clutch		24
F <sub>1</sub>	No.1 One-Way Clutch		←
F <sub>2</sub>	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	←
	No. of Pinion Gear Teeth	23	←
	No. of Ring Gear Teeth	79	←