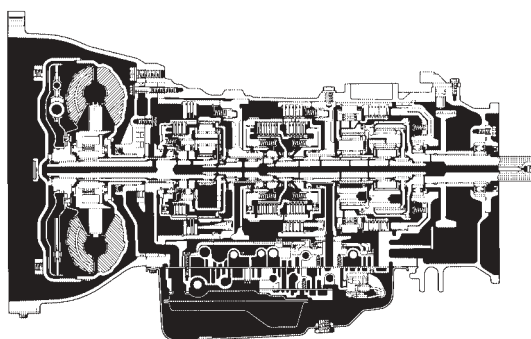


## A442F AUTOMATIC TRANSMISSION

### ■ DESCRIPTION

No changes have been made to the A442F automatic transmission of the 1HZ and 1HD-T engine models. The following changes have been made to the A442F automatic transmission of the 1FZ-FE, 2UZ-FE (except models for Europe), and 1HD-FTE engine models:

- The planetary gear unit accommodates the high-performance engine in conjunction with the improvements made to the 1FZ-FE engine and the adoption of the 2UZ-FE and 1HD-FTE engines.
- A torque converter has been changed for the 1HD-FTE engine model.
- The engine & ECT ECU regulates the solenoid valve SLT to control the line pressure for the 2UZ-FE and the 1HD-FTE engine models.
- The fluid temperature sensor is used on the 2UZ-FE and the 1HD-FTE engine models.
- The timing to engage and release the clutches during 2nd-3rd shifting has been finely tuned according to driving conditions in order to reduce the shift shock.



147CH14

**1HD-FTE Engine Model**

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### ► Specifications ◀

Transmission Type		A442F
Engine Type		1FZ-FE, 2UZ-FE*, 1HZ, 1HD-T, 1HD-FTE
Item		
Gear Ratio	1st	2.950
	2nd	1.530
	3rd	1.000
	4th (Overdrive)	0.765
	Reverse	2.678
Fluid Capacity	Liters (US qts, Imp. qts)	13.0 (13.7, 11.4)* <sup>1</sup> , 14.0 (14.8, 12.3)* <sup>2</sup>
Fluid Type		ATF D-II or DEXRON®III (DEXRON®II)

\*: Except Models for Europe

\*1: For 1FZ-FE, 2UZ-FE and 1HZ Engine Model

\*2: For 1HD-T and 1HD-FTE Engine Model