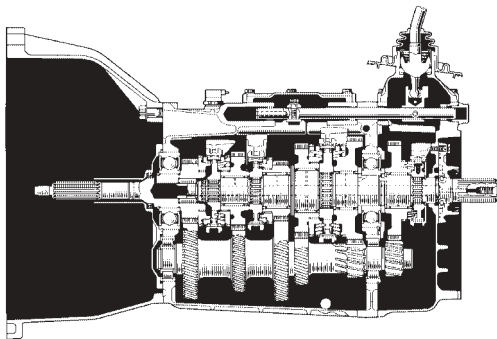


MANUAL TRANSMISSION

DESCRIPTION

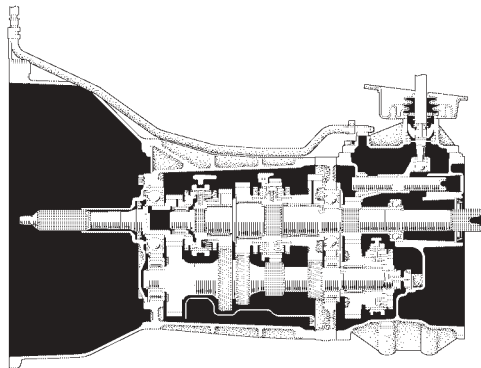
The H151F manual transmission is used on the 1FZ-FE, 2UZ-FE, 1HD-T and 1HD-FTE engine models, and the R151F manual transmission is used on the 1HZ engine model.

Both manual transmissions have adopted a triple-cone type synchromesh mechanism in the 1st, 2nd, and 3rd gears, and a single-cone type synchromesh mechanism in the 4th, 5th, and reverse gears to ensure excellent shift feeling. However, only H151F manual transmission is adopted triple-cone type synchromesh mechanism for the reverse gear.



147CH13

H151F Manual Transmission



147CH17

R151F Manual Transmission

Specifications

Transmission Type		H151F	R151F
Engine Type		1FZ-FE, 2UZ-FE 1HD-T, 1HD-FTE	1HZ
Item			
Gear Ratio	1st	4.081	4.313
	2nd	2.294	2.330
	3rd	1.490	1.436
	4th	1.000	←
	5th	0.881	0.838
	Reverse	4.313	4.220
Oil Capacity	Liters (US qts, Imp. qts)	2.7 (2.9, 2.4)	2.2 (2.3, 1.9)
Oil Viscosity		SAE 75W-90	←
Oil Grade		API GL-4 or GL-5	←