

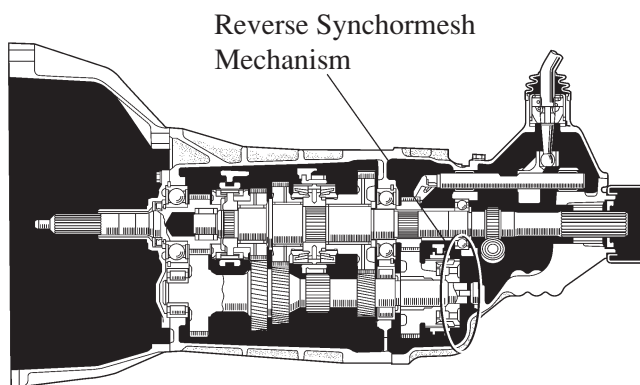
R150, R150F, R151 AND R151F MANUAL TRANSMISSIONS

DESCRIPTION

- The new Hilux has been adopted the R150, R150F, R151, and R151F manual transmissions. The application for these manual transmissions are as followings:

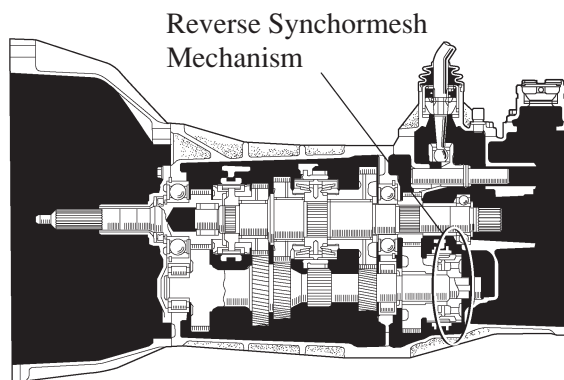
Engine Type	Drive Type	Transmission
● 2TR-FE	2WD, 2WD PreRunner	R150
● 1GR-FE	4WD	R150F
● 2KD-FTV High Version	2WD, 2WD PreRunner	R151
● 1KD-FTV	4WD	R151F

- A reverse synchromesh mechanism has been used for the reverse gear of these manual transmissions to enhance the ease of operation. The construction and operation of this mechanism are the same as the reverse synchromesh mechanism that has been adopted in the G50 series manual transmissions. For details, refer to G50 and G55 Manual Transmissions on [page CH-6](#).



R150

271CH02



R150F

233CH09

► Specifications ◀

Transmission Type		R150	R150F	R151	R151F
Engine Type		● 2TR-FE ● 1GR-FE	←	● 2KD-FTV High Version ● 1KD-FTV	←
Gear Ratio	1st	3.830	←	4.313	←
	2nd	2.062	←	2.330	←
	3rd	1.436	←	1.436	←
	4th	1.000	←	1.000	←
	5th	0.838	←	0.838	←
	Reverse	4.220	←	4.220	←
Oil Capacity Liters (US qts, Imp.qts)		2.6 (2.7, 2.3)	2.2 (2.3, 1.9)	2.6 (2.7, 2.3)	2.2 (2.3, 1.9)
Oil Viscosity		SAE 75W-90	←	←	←
Oil Grade		API GL-4 or GL-5	←	←	←
Weight (Reference)* kg (lb)		50.8 (112)	52.0 (114.6)	50.8 (112)	52.0 (114.6)

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

► Synchromesh Mechanism Specifications ◀

Transmission Type	R150, R150F		R151, R151F	
Engine Type	2TR-FE	1GR-FE	2KD-FTV High Version	1KD-FTV
1st	Single Cone	Triple Cone	←	←
2nd	Triple Cone	←	←	←
3rd	Single Cone	←	←	←
4th	Single Cone	←	←	←
5th	Single Cone	←	←	←
Reverse	Single Cone	←	←	←