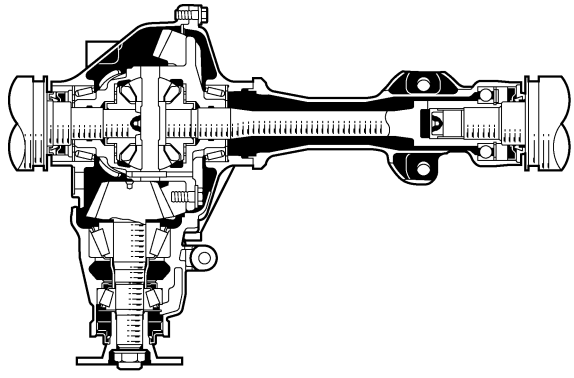
DIFFERENTIAL

■ DESCRIPTION

- The 4WD uses a normal type SD20C front differential.
- The following types of rear differential are used: BD20D (Normal), BD20D (with LSD), and BD20D (with Diff. lock).



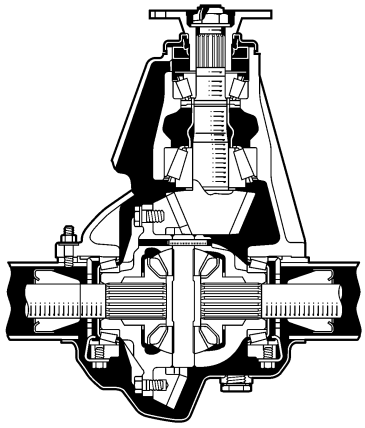
232CH82

Front Differential

▶ Specifications ◀

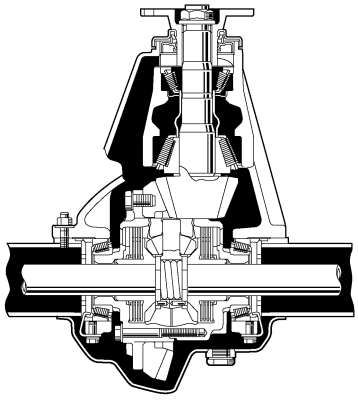
Front Differential Type		SD20C
Ring Gear Size	mm (in.)	205.0 (8.0)
Oil Capacity	Liters (US qts, Imp. qts)	1.45 (1.5, 1.3)
Oil Viscosity		SAE 85W-90
Oil Grade		API GL-5
Oil Type		Hypoid
Weight (Reference)*	kg (lb)	34.6 (76.3)

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



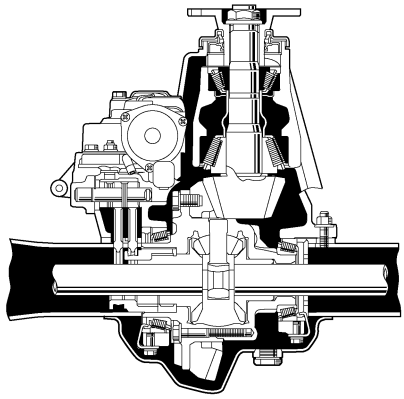
271CH42

Rear Differential



233CH45

Rear Differential with LSD



233CH46

Rear Differential with Diff. Lock

▶ Specifications ◀

Rear Differential Type		BD20D	BD20D with LSD	BD20D with Diff. Lock
Ring Gear Size	mm (in.)	205.0 (8.0)	←	←
Oil Capacity	Liters (US qts, Imp. qts)	3.4 (3.7, 3.2)	←	2.9 (3.1, 2.5)
Oil Viscosity		SAE 85W-90	←	←
Oil Grade		API Gl-5	←	←
Oil Type		Hypoid	Hypoid LSD	Hypoid
Weight (Reference)*	kg (lb)	25.7 (56.7)	27.7 (65.3)	29.6 (65.3)

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

- The new Fortuner/Hilux SW4 has the following front and rear differentials.

Engine Type	Transmission Type	Drive Type	Front Differential Type	Rear Differential Type	Gear Ratio
2TR-FE	R150	2WD PreRunner	-	BD20D	4.100
	R150F	4WD	SD20C	BD20D	4.100
	A343E	2WD PreRunner	-	BD20D	4.555
	A343F	4WD	SD20C	BD20D	4.555
1GR-FE	R150F	4WD	SD20C	BD20D	3.583
	A750E	2WD PreRunner	-	BD20D	3.583
	A750F	4WD	SD20C	BD20D	3.583
5L-E	G58F	4WD	SD20C	BD20D	4.555
KD-FTV	R151	2WD PreRunner	-	BD20D	3.583
	R151F	4WD	SD20C	BD20D	3.583
	A340E	2WD PreRunner	-	BD20D	3.909
	A340F	4WD	SD20C	BD20D	3.909
2KD-FTV High Version	R151	2WD PreRunner	-	BD20D	3.909
	A340E	2WD PreRunner	-	BD20D	3.909
	A340F	4WD	SD20C	BD20D	3.909

- The new Fortuner/Hilux SW4 has the following rear differential lock mechanism.

●: Standard OP: Option -: None

Destination	Engine Type	Drive Type	Rear Differential Lock Mechanism	
			Diff. Lock	LSD
Thailand	2TR-FE	2WD PreRunner	-	-
	1KD-FTV	2WD PreRunner	-	-
		4WD	-	-
Indonesia	2TR-FE	2WD PreRunner	-	-
		4WD	-	-
	2KD-FTV High Version	2WD PreRunner	-	-
Philippines	2TR-FE	2WD PreRunner	-	-
	1KD-FTV	4WD	-	-
	2KD-FTV High Version	2WD PreRunner	-	-
Central and South America	2TR-FE	2WD PreRunner	-	● (OP*)
	1GR-FE	4WD	-	-
	1KD-FTV	2WD PreRunner	-	●
G.C.C. Countries	2TR-FE	2WD PreRunner	OP	-
		4WD	OP	-
	1GR-FE	4WD	With: ●	-
			Without: OP	
South Africa	2TR-FE	4WD	OP	-
	1GR-FE	2WD PreRunner	●	-
		4WD	●	-
	5L-E	4WD	OP	-
	1KD-FTV	2WD PreRunner	●	-
		4WD	●	-
Malaysia	2TR-FE	4WD	-	-
	2KD-FTV High Version	4WD	-	-
Vietnam	2TR-FE	4WD	●	-
	2KD-FTV High Version	2WD PreRunner	-	-
ANCOM	1GR-FE	2WD PreRunner	-	-
		4WD	-	-
General Countries	1GR-FE	2WD PreRunner	-	-
		4WD	-	-
	1KD-FTV	4WD	OP	-

*: Models with R150 manual transmission