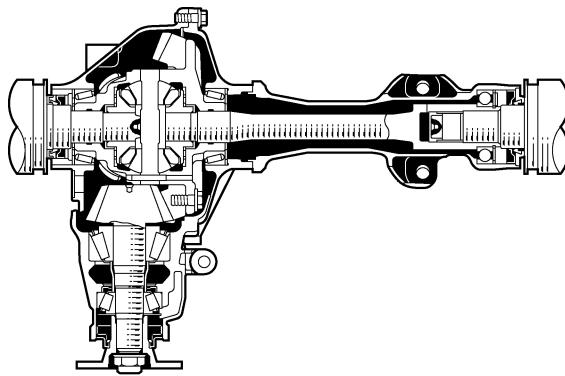


DIFFERENTIAL

■ DESCRIPTION

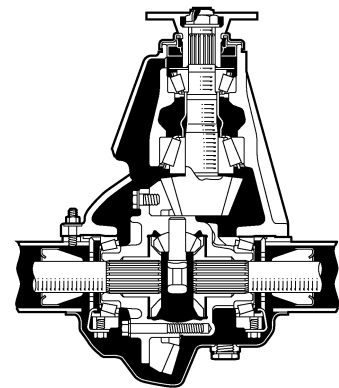
- The front differential uses the S20SNF type.
- The rear differential uses the B200A (Normal), B200A (LSD) and B20N (Diff. Lock) types.
- The rear differential lock system is a carryover from the previous Land Cruiser/ Land Cruiser Prado. The rear diff. lock switching is effected by the rear diff. lock switch operation.

► Front Differential ◀



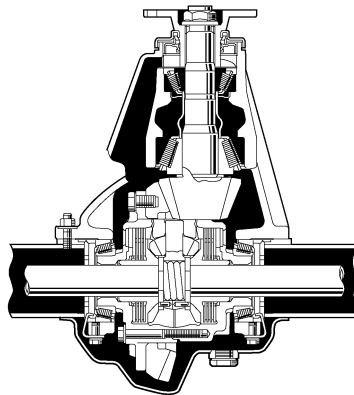
232CH82

► Rear Differential (Normal) ◀



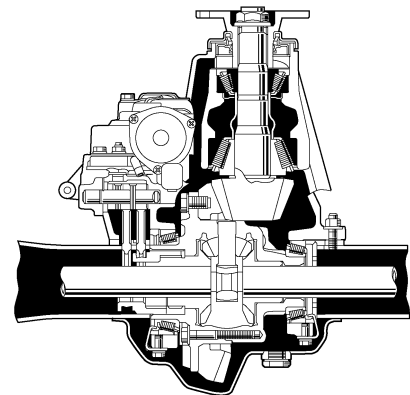
233CH44

► Rear Differential (LSD) ◀



233CH45

► Rear Differential (Diff. Lock) ◀



233CH46

- The new Land Cruiser/ Land Cruiser Prado has the front and rear differentials with the following equipment.

Destination	Engine	Transmission	Transfer	Front Diff.	Rear Diff.	Equipment
Europe	1KD	R150F MT/ A343F AT	VF4B	S20SNF	B200A (Normal)	STD
					B200A (LSD)	OPT
					B20N (Diff. Lock)	OPT
			VF4BM	S20SNF	B200A (Normal)	STD
Australia	3RZ	W56 MT/ A343F AT	VF4B	S20SNF	B200A (LSD)	STD
					B20N (Diff. Lock)	OPT
	1KZ	R150F MT/ A343F AT	VF4B	S20SNF	B200A (LSD)	STD
					B20N (Diff. Lock)	OPT
			VF4BM	S20SNF	B200A (Normal)	STD
G.C.C. Countries	3RZ	W56 MT/ A343F AT	VF4B	S20SNF	B200A (Normal)	STD
					B200A (LSD)	OPT
General Countries	5L	G52 MT	VF2A	S20SNF	B200A (Normal)	STD
					B200A (LSD)	OPT
					B20N (Diff. Lock)	OPT
	3RZ	W56 MT	VF2A/ VF4B	S20SNF	B200A (Normal)	STD
					B200A (LSD)	OPT
					B20N (Diff. Lock)	OPT
		A343F AT	VF4B	S20SNF	B200A (Normal)	STD
					B200A (LSD)	OPT
					B20N (Diff. Lock)	OPT
					B20N (Diff. Lock)	OPT
	1KZ	R150F MT/ A343F AT	VF4B	S20SNF	B200A (Normal)	STD
					B200A (LSD)	OPT
					B20N (Diff. Lock)	OPT

► Specification for Europe ◀

Engine Type			1KD-FTV	
Transmission Type			R150F MT	A343F AT
Differential Gear Ratio			4.100	4.300
Ring Gear Size mm (in.)	Front		208.0 (8.2)	←
	Rear		205.0 (8.0)	←
Oil Capacity liters (US qts, Imp.qts)	Front		1.4 (1.5, 1.2)	←
	Rear	3-Door	2.5 (2.6, 2.2)* ² 2.4 (2.5, 2.1)* ³	←
		5-Door	3.1 (3.3, 2.7)* ² 3.0 (3.2, 2.6)* ³	←
Oil Viscosity			SAE 90* ⁴ SAE 80W-90 or 80W* ⁵	←
Oil Grade			API GL-5	←
Oil Type			Hypoid* ⁶ , Hypoid LSD* ⁷	←
Weight (Reference) kg (lb)	Front* ¹		33.0 (72.8)	←
	Rear	Normal	26.5 (58.4)	←
		LSD	27.7 (61.1)	←
		Diff. Lock	29.6 (65.3)	←

*1: Weight shows the figure with the oil fully filled. *2: Except Diff. Lock *3: Diff. Lock

*4: Temperatures above -18°C (0 °F) *5: Temperatures below -18°C (0 °F) *6: Except LSD *7: LSD

► Specification for Australia and G.C.C. Countries ◀

Destination			Australia and G.C.C. Countries	Australia
Engine Type			3RZ-FE	1KZ-TE
Transmission Type			W56 MT/ A343F AT	R150F MT/ A343F AT
Differential Gear Ratio			4.555	4.100
Ring Gear Size mm (in.)	Front		208.0 (8.2)	←
	Rear		205.0 (8.0)	←
Oil Capacity liters (US qts, Imp.qts)	Front		1.4 (1.5, 1.2)	←
	Rear	3-Door	2.5 (2.6, 2.2)* ² 2.4 (2.5, 2.1)* ³	—
		5-Door	3.1 (3.3, 2.7)* ² 3.0 (3.2, 2.6)* ³	←
	Oil Viscosity			SAE 90* ⁴ SAE 80W-90 or 80W* ⁵
Oil Grade			API GL-5	←
Oil Type			Hypoid* ⁶ , Hypoid LSD* ⁷	←
Weight (Reference) kg (lb)	Front* ¹		33.0 (72.8)	←
	Rear	Normal	26.5 (58.4)	←
		LSD	27.7 (61.1)	←
		Diff. Lock	29.6 (65.3)	←

*1: Weight shows the figure with the oil fully filled. *2: Except Diff. Lock *3: Diff. Lock

*4: Temperatures above -18°C (0 °F) *5: Temperatures below -18°C (0 °F) *6: Except LSD *7: LSD

► Specification for General Countries ◀

Engine Type			5L-E, 3RZ-FE	1KZ-TE
Transmission Type			G52, W56 MT/ A343F AT	R150F MT/ A343F AT
Differential Gear Ratio			4.555	4.100
Ring Gear Size mm (in.)	Front		208.0 (8.2)	←
	Rear		205.0 (8.0)	←
Oil Capacity liters (US qts, Imp.qts)	Front		1.4 (1.5, 1.2)	←
	Rear	3-Door	2.5 (2.6, 2.2)* ² 2.4 (2.5, 2.1)* ³	—
		5-Door	3.1 (3.3, 2.7)* ² 3.0 (3.2, 2.6)* ³	←
Oil Viscosity			SAE 90* ⁴ SAE 80W-90 or 80W* ⁵	←
Oil Grade			API GL-5	←
Oil Type			Hypoid* ⁶ , Hypoid LSD* ⁷	←
Weight (Reference) kg (lb)	Front* ¹		33.0 (72.8)	←
	Rear	Normal	26.5 (58.4)	←
		LSD	27.7 (61.1)	←
		Diff. Lock	29.6 (65.3)	←

*1: Weight shows the figure with the oil fully filled. *2: Except Diff. Lock *3: Diff. Lock

*4: Temperatures above -18°C (0 °F) *5: Temperatures below -18°C (0 °F) *6: Except LSD *7: LSD