

REAR DRIVE AXLE/DIFFERENTIAL [G1946662]

SPECIFICATIONS

Sealers

ITEM	LAND ROVER PART NO.
Input shaft splines	STC 50554
Electronic torque managed (ETM) unit locking motor	STC 50550

Lubricants

ITEM	SPECIFICATION
* Recommended lubricant:	
Open unit-All variants except Hybrid Electric Vehicles (HEV)	Castrol SAF-XO - 75W/90
Open unit-Hybrid Electric Vehicles (HEV)	Castrol BOT 750b
ETM unit	Castrol BOT 720

*** Do not use any lubricant other than that specified**

Capacities

UNIT	SERVICE FILL CAPACITY
Open differential	Wet: 0.82 liters (1.73 pints) (0.87 US quarts)
	Dry: 0.85 liters (1.79 pints) (0.89 US quarts)
ETM differential	Wet: 1.21 liters (2.56 pints) (1.28 US quarts)
	Dry: 1.25 liters (2.64 pints) (US quarts 1.32)

Rear 'Open' Differential

ITEM	SPECIFICATION
Reduction ratio:	
Vehicles with 4.4L diesel engine	2.73:1

FRONT DRIVE AXLE/DIFFERENTIAL (G1946663)

SPECIFICATIONS

Lubricants

ITEM	SPECIFICATION
* Recommended lubricant	Castrol SAF-XO - 75W/90
Capacity	Wet: 0.51 liters (1.07 pints) (0.53 US quarts)
	Dry: 0.54 liters (1.14 pints) (0.57 US quarts)

* Do not use any lubricant other than that specified

Reduction Ratio

MODEL	SPECIFICATION
Vehicles with 4.4L diesel engine	2.73:1
Vehicles with 5.0L supercharged petrol engine	3.31:1
Vehicles with 3.0L diesel engine	3.21:1
Vehicles with 3.0L supercharged petrol engine	3.73:1
Vehicles with 2.0 diesel engine	3.37:1

Torque Specifications

DESCRIPTION	NM	LB-FT
* Oil drain plug	30	22
* Oil filler plug	30	22
++ Rear mounting lower bolts	125	92
++ Rear mounting upper bolt	60	44
*Rear mounting L shape bracket	77	57
Front mounting bolt	110	81
Extension housing to differential case bolts	45	33

AUTOMATIC TRANSMISSION/TRANSAXLE (G1946703)

SPECIFICATIONS

Maintenance

⚠ CAUTION:

Use only Shell L12108 (ZF Lifeguard 8) Automatic transmission fluid. Use of any other fluids may result in a transmission malfunction or failure.

DESCRIPTION	INTERVALS
Normal maintenance	Filled for life.
Severe duty maintenance	Change the fluid at 48,000 km (30,000 miles) intervals.

Capacities

	LITERS
Transmission	8.5

Lubricants, Fluids, Sealers and Adhesives

DESCRIPTION	SPECIFICATION
Transmission fluid	Shell L12108 (ZF Lifeguard 8)
Sealant	WSS-M4G323-A6
Metal surface cleaner	WSW-M5B392-A
High temperature grease	Molecote FB180

Torque Specifications

⚠ NOTE:

*refer to the procedure for correct torque sequence.

DESCRIPTION

NM

LB-FT

LB-IN

TRANSFER CASE - [+] TWIN SPEED TRANSFER CASE

(G1946710)

SPECIFICATIONS

Sealers and Lubricants

ITEM	SPECIFICATION
* Recommended oil	Shell TF 0753
Capacity - Wet and dry fill	1.5 litres, (2.6 pints) (1.5 US quarts)
Input shaft splines grease	Weicon TL7391
Transfer case sealant	TL 7990 Hylomar black 102 or equivalent

⚠ CAUTION:

* Do not use any lubricant other than that specified

ITEM	SPECIFICATION
Model	DD295
Type	Two speed, permanent four wheel drive transfer box having synchronised low to high ratio shift on the move facility with an actively controlled wet clutch and 50/50 torque split across the centre differential
Clutch type	Wet, multi-plate
Maximum torque capacity	2500 Nm (1842.5 lb-ft)
Ratios:	
High	1:1
Low	2.93:1
Maximum shift speeds:	
High to low ratio	0 kph (0 mph)
Low to high ratio	60 kph (37.2 mph)