

REAR DRIVE AXLE/DIFFERENTIAL (G1240169)

SPECIFICATIONS

Sealers

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

Lubricants

ITEM	SPECIFICATION
* Recommended lubricant:	
Open unit	Castrol SAF-XO - 75W/90
ETM unit	Castrol SAF Carbon Mod Plus

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

Capacities

UNIT	SERVICE FILL CAPACITY
Open differential	1.14 liters (2.41 US pints) (1.20 US quarts)
ETM differential	1.55 liters (3.28 US pints) (1.64 US quarts)

Rear 'Open' Differential

ITEM	SPECIFICATION
Reduction ratio:	
TDV8 Diesel engine	3.54:1
V8 Supercharged Petrol engine	3.54:1
V8 Naturally Aspirated Petrol engine	3.54:1

Rear Electronic Torque Managed (ETM) Differential

ITEM	SPECIFICATION
ETM range	Up to 2500 Nm (98.5 lbf/ft)
ETM motor	Operates the ball/ramp mechanism and wet clutch. Motor incorporates a temperature sensor and is controlled by an ECU
Differential type	4 pin
Reduction ratio:	
TDV8 Diesel engine	3.54:1
V8 Supercharged Petrol engine	3.54:1
V8 Naturally Aspirated Petrol engine	3.54:1

Torque Specifications

DESCRIPTION	NM	LB-FT
Oil drain plug	28	21
Oil filler plug	34	25
Oil temperature sensor	22	16
++ Differential locking motor	10	7
Differential front mounting bolts	100	74
** Differential rear mounting bolt		
Stage 1	120	89
Stage 2	Tighten a further 180 degrees	
* Driveshaft to rear axle drive flange bolts		
Stage 1	44	33
Stage 2	Tighten a further 45 degrees	

*** New "Patchlok" Torx bolts must be installed**

**** New nut must be installed**

++ Apply sealant, Part No. STC 50550 to flange of locking motor