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2017.0 DISCOVERY (LR), 308-07

TRANSFER CASE - [+] TWIN SPEED TRANSFER CASE

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	

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shift speeds:	
High to low ratio	0 kph (0 mph)
Low to high ratio	60 kph (37.2 mph)

Torque Specifications

DESCRIPTION	NM	LB-FT
Transfer case fluid drain plug	28	21
Transfer case fluid filler/level plug	28	21
Transmission support insulator to transfer case bolts	60	44
Transfer case to transmission bolts	45	33
Wiring bracket bolts	25	18
Earth strap bolt	25	18
+ Transfer case shift motor bolts	35	26
+ Transfer case clutch control solenoid bolts	5	4
+ Transfer case high / low range position sensor bolts	5	4
*** Front driveshaft to transfer case output flange:**		
Stage 1	45	33
Stage 2	Further 90°	Further 90°

*** New 'patched' Torx bolts must be installed.**

+ New bolts must be used when a new component is installed.

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