



## Specifications

### Sealers

Item	Land Rover Part No.
Adaptor shaft Allen bolt	STC 50553

### Lubricant

Item	Specification
* Recommended lubricant	Burmah/Castrol MTF BOT 338



**CAUTION:** \* Do not use any lubricant other than that specified.

### Capacity

Unit	Capacity
Capacity - Wet and dry fill	1.6 litres (2.8 pints) (1.5 US quarts)

### General Specifications

Item	Specification
Gearbox make/type	ZF S6-53 fitted with gear position and speed sensors
Gears	6 forward, 1 reverse - all synchromesh
Synchromesh:	
Triple	First gear
Dual	Second, third, fourth and reverse gears
Single	Fifth and sixth gears
Torque - Maximum	472 Nm (347 lbf ft)
Gear ratios:	
First	5.080:1
Second	2.804:1
Third	1.783:1
Fourth	1.260:1
Fifth	1.000:1
Sixth	0.835:1
Reverse	4.725:1
Gear position sensor	Mounted on the gearbox and connected to transfer box ECU
Speed sensor	Mounted at the rear of the gearbox casing and connects to the transfer box ECU to enable range changes on the move function

### Torque Specifications

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Description	Nm	lb-ft
* Transmission fluid drain plug	35	26
* Transmission fluid filler plug	35	26
Transmission undershield bolts	10	7
Output shaft speed sensor Torx screw	10	7
+ Gear position sensor Torx screws	10	7
+ Adaptor shaft Allen bolt	68	50
Transmission bolts	40	30
Gearbox breather line support bracket bolts	10	7
Turbocharger support bracket:		
M8 bolt	25	18
Nut	25	18
M10 bolts	40	30
Exhaust cross-over pipe center support bracket bolts	25	18
Exhaust cross-over pipe LH/RH supprt bracket bolts	25	18

\* New drain/filler plugs must be fitted + Apply sealant, Part No. STC 50553 to threads of bolt/Torx screws