ENGINE SPECIFICATIONS

	V6 Diesel	V6 Petrol S/C	V8 Petrol S/C
Capacity	2 993 cm^3	2 995 cm^3	4 999 cm^3
Firing order	1-4-2- 5-3-6	1-4-2- 5-3-6	1-5-4-2- 6-3-7-8
Bore	84.0 mm	84.5 mm	92.5 mm
Stroke	90.0 mm	89 mm	93.0 mm
Number of cylinders	6	6	8
Compression ratio	16:1	10.5:1	9.5:1

LUBRICANTS AND FLUIDS

Part	Variant	Specification
Engine oil	V6 Diesel vehicles with DPF	SAE 5W-30 engine oil meeting specification WSS-M2C934-B. If unavailable 5W-30 engine oils to ACEA C2 specification may be used.
	V6 Diesel vehicles without DPF	SAE 5W-30 engine oil meeting specification WSS-M2C913- C or B. If unavailable 5W-30 engine oils to ACEA A5/B5 specification may be used.
	V6 Petrol vehicles	SAE 5W-20 engine oil meeting specification WSS-M2C925. If unavailable or, where ambient temperatures fall to lower than -20° C, SAE 0W-20 engine oil meeting Jaguar Land Rover specification STJLR.51.5122 should be used.
	V8 Petrol vehicles	SAE 5W-20 engine oil meeting specification WSS-M2C925-A. If unavailable, SAE 0W-20 engine oil meeting Jaguar Land Rover specification STJLR.51.5122 may be used.
Transmission oil	All transmissions	Shell ATF L12108
Transfer gearbox oil	Without low range transmission	Castrol BOT 850
	With low range transmission	TL 7300 Shell TF 0753
Front differential oil	All vehicles	Castrol SAF-XO
Rear differential oil	Non-locking	Castrol SAF-XO
Rear differential oil	Electronic Locking	Castrol BOT 720
Dynamic response fluid	V6 Diesel and V8 Petrol S/C	Texaco Cold Climate PAS fluid 33270

Part	Variant	Specification
Brake fluid	All vehicles	Shell DOT4 ESL. If unavailable, a low viscosity, synthetic compatible DOT4 brake fluid that meets ISO 4925 class 6 and Jaguar Land Rover LRES22BF03 requirements may be used.
Screen washer	All vehicles	Screen wash with frost protection
Coolant	All vehicles	1:1 mixture of Havoline XLC antifreeze and water.

Jaguar Land Rover recommends Castrol oils.

CAPACITIES

Item	Variant	Capacity litres (pints)
Fuel tank (usable)	V6 Diesel	85 (18.7 gallons)
	V6 Petrol	105 (23 gallons)
	V8 Petrol	105 (23 gallons)
Engine oil refill and filter change	V6 Diesel	6.0 (10.5)
	V6 Petrol	8.0 (14.0)
	V8 Petrol	8.0 (14.0)
Automatic gearbox	All vehicles	Filled for life
Transfer box	Without low range transmission	0.75 (1.32)
	With low range transmission	1.5 (2.6)
Front differential - wet fill	All vehicles	0.51 (0.9)
Rear differential - wet fill	Non-locking	0.82 (1.4)
Rear differential - wet fill	Electronic locking	1.21 (2.1)
Washer reservoir (Standard)	All vehicles	6.0 (10.6)
Washer reservoir (Cold climates)	All vehicles	Main reservoir - 6.0 (10.6) Supplemental reservoir - 1.6 (2.8)
Cooling system (refill)	V6 Diesel	8.93 (15.7)
	V6 Petrol S/C	8.05 (14.2)
	V8 Petrol S/C	8.83 (15.5)
Cooling system with fuel burning heater (refill)	V6 Diesel	9.1 (16.0)
	V6 Petrol	8.22 (14.5)
	V8 Petrol S/C	9.0 (15.8)

The quoted capacities are approximate and provided as a guide only. All oil levels must be checked using the dipstick, level plugs, message centre information or drain and refill, as applicable.

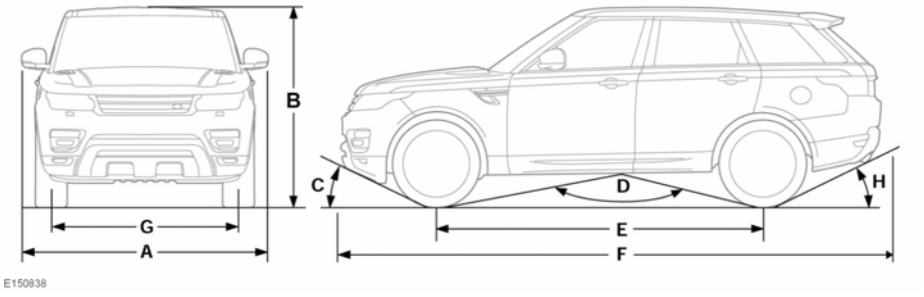
WEIGHTS

Variant	Vehicle weight from kg (lb)	Gross Vehicle Weight (GVW)[1] kg (lb)	Gross Train Weight (GTW)[2] kg (lb)
V6 Diesel vehicles	2115 (4663)	3000 (6614)	6500 (14330)
V6 Petrol vehicles	2144 (4727)	2950 (6504)	6450 (14220)
V8 Petrol vehicles	2310 (5093)	3050 (6724)	6550 (14440)
1 The maximum permissible weight of the vehicle including passengers and load.			
2 The maximum permissible weight of the vehicle and braked trailer including their respective loads.			

Note: *For every 1000 metres (3280 ft) increase in altitude above sea level, GTW must be reduced by 10%.*

Variant	Maximum front axle load[1] kg (lb)	Maximum rear axle load[1] kg (lb)	Maximum roof crossbar load[2] kg (lb)
V6 Diesel vehicles	1500 (3307)	1775 (3913)	100 (220)
V6 Petrol vehicles	1500 (3307)	1730 (3814)	100 (220)
V8 Petrol vehicles	1500 (3307)	1730 (3814)	100 (220)
[1] The front and rear axle maximum loads can not be reached simultaneously as this will exceed the GVW limit.			
[2] This figure is extra to the weight of the roof rails and crossbars.			

DIMENSIONS



Item	Description	mm (inches)	Degrees
A	Width (including mirrors)	2220 (87.4)	-
B	Height (standard road height):	1780 (70)	-
C	Approach angle (at EEC kerb weight and standard road height)	-	25.8°
D	Ramp breakover angle (at EEC kerb weight and standard road height)	-	160.6°
E	Wheelbase	2923 (115)	-
F	Overall length	4850 (191)	-
G	Track - front	1690 (66.5)	-
	Track - rear	1685 (66.3)	-
H	Departure angle without tow hitch (at EEC kerb weight plus full size spare tyre and at standard road height)	-	26.4°
H	Departure angle with adjustable height tow hitch (at EEC kerb weight):	-	15.6°
H	Departure angle with electrically deployable tow hitch (stored):	-	23.2°
H	Departure angle with electrically deployable tow hitch (deployed):	-	17°
-	Wading depth at Off-road height	850 (33.46)	-
-	Minimum ground clearance at standard road height:	200 (7.87)	-
-	Turning circle (wall to wall)	12300 (484)	-

WHEEL AND TYRE SIZES

Light load tyre pressures **Up to 4 passengers at 68 kg each plus 15 kg of luggage each (150 lb plus 33 lb)**			
Wheel size	**Tyre size**	**Front pressures bar (psi, kPa)**	**Rear pressures bar (psi, kPa)**
6J x 20	T195/70 R20 M (temporary use spare	4.2 (60, 420)	4.2 (60, 420)
7.5J x 19	235/65 R19 109 V	2.3 (33, 230)	2.5 (36, 250)
8.5J x 20	255/55 R20 110 Y	2.3 (33, 230)	2.5 (36, 250)
9.5J x 21	275/45 R21 110 Y	2.3 (33, 230)	2.5 (36, 250)
9.5J x 22	275/40 R22 108 Y	2.3 (33, 230)	2.5 (36, 250)
Never exceed the total weight of passengers and luggage while using the light load setting			

Tyre pressures up to Gross Vehicle Weight(GVW)			
Wheel size	**Tyre size**	**Front pressures bar (psi, kPa)**	**Rear pressures bar (psi, kPa)**
7.5J x 19	235/65 R19 109 V	2.6 (38, 260)	3.1 (45, 310)
8.5J x 20	255/55 R20 110 Y	2.5 (36, 250)	3.0 (44, 300)
9.5J x 21	275/45 R21 110 Y	2.5 (36, 250)	3.0 (44, 300)
9.5J x 22	275/40 R22 108 Y	2.7 (39, 270)	3.2 (49, 320)

WARNING: If the tyres are deflated to the light load or inflated for the heavier load setting, then the TPMS will have to be adjusted to suit the vehicle load and tyre pressures. See 241, TYRE REPAIR KIT.

WHEEL ALIGNMENT DATA

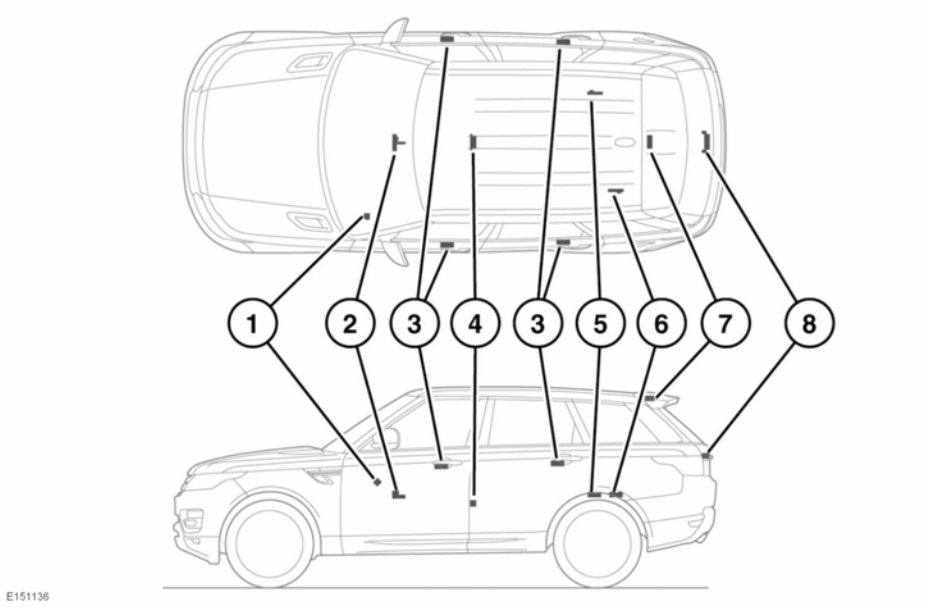
	All models
Wheel alignment - front	0.15° ± 0.2°
Wheel alignment - rear	0.3° ± 0.2°
Camber - front left	-0.76° ± 0.75°
Camber - front right	-0.76° ± 0.75°
Camber - rear left	-1.5° ± 0.75°
Camber - rear right	-1.5° ± 0.75°
Castor - front left	3.92° ± 0.75°
Castor - front right	3.92° ± 0.75°

Note: *All figures are measured with the vehicle unoccupied, with full fluids, full tank of fuel and tyres inflated to normal pressures.*

BRAKE PEDAL TRAVEL

The brake pedal travel is set at the factory and is non-adjustable.

REMOTE KEY FOB TRANSMITTER LOCATIONS



1. Security transmitter.
2. Cabin front transmitters.
3. Door transmitters.
4. Cabin middle transmitter.
5. Loadspace interior transmitter.
6. Loadspace interior transmitter.
7. Radio frequency transmitter.
8. Loadspace exterior transmitter.

Any person fitted with an implanted medical device should make sure the device is kept at a distance of at least 22 cm (8.7 inches) away from any transmitter mounted in the vehicle. This is to avoid any possibility of interference between the system and the device.

Transmitter information

Service	Frequency Band	Max. Output	Antenna Position	Specific Conditions
4m VHF	70 - 85 MHz	30 W/ CW 40 W/ AM	Anywhere on the metallic part of the roof.	Transmitter, harness and antenna installation to the requirements of ISO/TS 21609.
2m VHF	142 - 175 MHz	30 W / CW 40 W / AM	Anywhere on the metallic part of the roof.	Transmitter, harness and antenna installation to the requirements of ISO/TS 21609.
TETRA	380 - 422 MHz	10 W / CW 10 W / PM	Anywhere on the metallic part of the roof.	Transmitter, harness and antenna installation to the requirements of ISO/TS 21609.
UHF	450 - 470 MHz	10 W / CW	Anywhere on the metallic part of the roof.	Transmitter, harness and antenna installation to the requirements of ISO/TS 21609.
Bluetooth	2400 - 2483.5 MHz	10 mW	Anywhere on the vehicle.	Transmitter, harness and antenna installation to the requirements of ISO/TS 21609.

Service	Frequency Band	Max. Output	Antenna Position	Specific Conditions
Road Telematics	5795 - 5815 MHz	2 W eirp	Anywhere close to a glazed area that does not contain antennas or conductive glass.	Transmitter, harness and antenna installation to the requirements of ISO/TS 21609.
Road Telematics	63 - 64 GHz	2 W eirp	Anywhere close to a glazed area that does not contain antennas or conductive glass.	Transmitter, harness and antenna installation to the requirements of ISO/TS 21609.