

## ENGINE SPECIFICATIONS

	V6 Diesel	V8 Diesel	V8 Petrol	V8 Petrol S/C
<b>Capacity</b>	2 993 cm <sup>3</sup>	4 367 cm <sup>3</sup>	4 999 cm <sup>3</sup>	4 999 cm <sup>3</sup>
<b>Firing order</b>	1-4-2-5-3-6	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
<b>Bore</b>	84.0 mm	84.0 mm	92.5 mm	92.5 mm
<b>Stroke</b>	90.0 mm	98.5 mm	93.0 mm	93.0 mm
<b>Number of cylinders</b>	6	8	8	8
<b>Compression ratio</b>	16:1	16.1:1	11.5:1	9.5:1

## LUBRICANTS AND FLUIDS

Part	Variant	Specification
<b>Engine oil</b>	V6 Diesel vehicles with DPF	SAE 5W-30 meeting specification WSS-M2C934B ACEA C1. If unavailable, oil meeting specification ACEA:C1 can be used.
	V6 Diesel vehicles without DPF	SAE 5W-30 meeting specification WSS-M2C913C ACEA C1. If unavailable, oil meeting specification ACEA:C1 can be used.
	V8 Diesel vehicles with DPF	SAE 5W-30 meeting specification WSS-M2C934B ACEA C1. If unavailable, oil meeting specification ACEA:C1 can be used.
	V8 Diesel vehicles without DPF	SAE 5W-30 meeting specification WSS-M2C913C ACEA C1. If unavailable, oil meeting specification ACEA:C1 can be used.
	V8 Petrol vehicles	SAE 5W-20 meeting specification WSS-M2C925-A only.
<b>Transmission oil</b>	All transmissions	Shell ATF L12108
<b>Transfer gearbox oil</b>	All vehicles	TL 7300 Shell TF 0753
<b>Front differential oil</b>	All vehicles	Castrol SAF-XO
<b>Rear differential oil</b>	Non-locking	Castrol SAF-XO
<b>Rear differential oil</b>	Electronic Locking	Castrol BOT 720

## Technical specifications

Part	Variant	Specification
<b>Dynamic response fluid</b>	V8 Diesel and V8 Petrol S/C	Texaco Cold Climate PAS fluid 33270
<b>Brake fluid</b>	All vehicles	Shell DOT4 ESL. If unavailable, a low viscosity, synthetic compatible DOT4 brake fluid that meets ISO 4925 class 6 and Land Rover LRES22BF03 requirements may be used.
<b>Screen washer</b>	All vehicles	Screen wash with frost protection
<b>Coolant</b>	All vehicles	1:1 mixture of Havoline XLC antifreeze and water.

Land Rover recommends Castrol oils.



## CAPACITIES

Item	Variant	Capacity litres (pints)
<b>Fuel tank (usable)</b>	V6 Diesel	88 (19.4 gallons)
	V8 Diesel	103 (22.6 gallons)
	V8 Petrol	105 (23 gallons)
<b>Engine oil refill and filter change</b>	V6 Diesel	6.0 (10.5)
	V8 Diesel	9.4 (16.5)
	V8 Petrol	8.0 (14.0)
<b>Automatic gearbox</b>	All vehicles	Filled for life
<b>Transfer box</b>	All vehicles	1.5 (2.6)
<b>Front differential - wet fill</b>	All vehicles	0.54 (0.9)
<b>Rear differential - wet fill</b>	Non-locking	0.85 (1.5)
<b>Rear differential - wet fill</b>	Electronic locking	1.25 (2.2)
<b>Washer reservoir (Standard)</b>	All vehicles	6.0 (10.5)
<b>Cooling system (refill)</b>	V6 Diesel	8.93 (15.7)
	V8 Diesel	7.13 (12.5)
	V8 Petrol	6.83 (12.3)
	V8 Petrol S/C	8.83 (15.5)
<b>Cooling system with fuel burning heater(refill)</b>	V6 Diesel	9.1 (16.0)
	V8 Diesel	7.3 (12.84)
	V8 Petrol	7.0 (12.3)
	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.

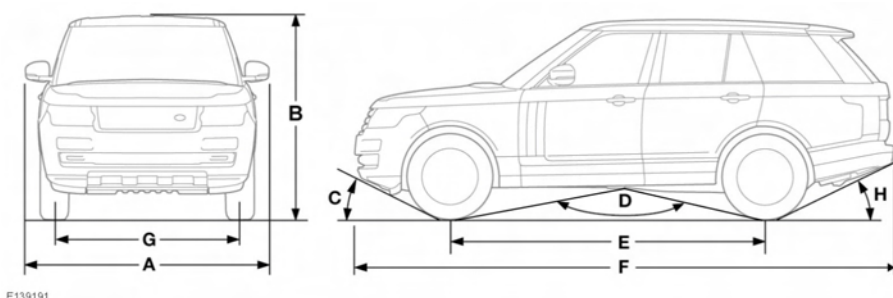
## Technical specifications

### WEIGHTS

Variant	Vehicle weight from kg (lb)	Gross Vehicle Weight (GVW) <sup>1</sup> kg (lb)	Gross Train Weight <sup>2</sup> kg (lb)
<b>V6 Diesel vehicles</b>	2160 (4762)	3000 (6614)	6500 (14330)
<b>V8 Diesel vehicles</b>	2360 (5203)	3200 (7055)	6700 (14771)
<b>V8 Petrol vehicles</b>	2200 (4850)	3000 (6614)	6500 (14330)
<b>V8 Petrol S/C vehicles</b>	2330 (5137)	3150 (6945)	6650 (14661)
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.			

Variant	Maximum front axle load <sup>1</sup> kg (lb)	Maximum rear axle load <sup>1</sup> kg (lb)	Maximum roof crossbar load <sup>2</sup> kg (lb)
<b>V6 Diesel vehicles</b>	1500 (3307)	1775 (3913)	100 (220)
<b>V8 Diesel vehicles</b>	1550 (3417)	1775 k (3913)	100 (220)
<b>V8 Petrol vehicles</b>	1500 (3307)	1775 (3913)	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
<b>A</b>	Width (including mirrors)	2220 (87.4)	-
<b>B</b>	Height (standard road height):	1835 (72.3)	-
<b>C</b>	Approach angle (at EEC kerb weight and standard road height)	-	31.4°
<b>D</b>	Ramp breakover angle (at EEC kerb weight and standard road height)	-	134.8°
<b>E</b>	Wheelbase	2922 (115)	-
<b>F</b>	Overall length	4998 (196.8)	-
<b>G</b>	Track - front	1690 (66.5)	-
	Track - rear	1683 (66.2)	-
<b>H</b>	Departure angle without tow hitch (at EEC kerb weight plus full size spare tyre and at standard road height)	-	30.7°
<b>H</b>	Departure angle with adjustable height tow hitch (at EEC kerb weight):	-	14.0°
<b>H</b>	Departure angle with electrically deployable tow hitch (stored):	-	24.9°
<b>H</b>	Departure angle with electrically deployable tow hitch (deployed):	-	18.5°
-	<sup>1</sup> Wading depth at Off-Road 2 suspension height	900 (35.4)	-
-	<sup>2</sup> Minimum ground clearance at standard road height:	220.5 (8.68)	-
-	Turning circle (wall to wall)	12700 (500)	-

<sup>1</sup> For further information on wading, see **133, ROCK CRAWL**.

## Technical specifications

<sup>2</sup> When driving off-road, vehicles fitted with Deployable side steps, Fixed side steps and Side tubes have a different ground and side clearance.

### WHEEL AND TYRE SIZES

<b>Light load tyre pressures</b> <b>Up to 4 passengers at 68 kg each plus 15 kg of luggage each (150 lb plus 33 lb)</b>			
<b>Wheel size</b>	<b>Tyre size</b>	<b>Front pressures bar (psi, kPa)</b>	<b>Rear pressures bar (psi, kPa)</b>
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 W	2.3 (33, 230)	2.5 (36, 250)
9.5J x 21	275/45 R21 110 W	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)
<b>Never exceed the total weight of passengers and luggage while using the light load setting</b>			

<b>Tyre pressures up to Gross Vehicle Weight(GVW)</b>			
<b>Wheel size</b>	<b>Tyre size</b>	<b>Front pressures bar (psi, kPa)</b>	<b>Rear pressures bar (psi, kPa)</b>
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	2.6 (38, 260)	3.1 (45, 310)
8.5J x 20	255/55 R20 110 W	2.5 (36, 250)	3.0 (44, 300)
9.5J x 21	275/45 R21 110 W	2.5 (36, 250)	3.0 (44, 300)
9.5J x 22	275/40 R22 108 Y	2.5 (36, 250)	3.0 (44, 300)
9.5J x 22	275/40 R22 Y - Supercharged only up to 249 km/h (155 mph)	2.7 (39, 270)	3.2 (49, 320)



**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 225, VEHICLE LOADING.**

## WHEEL AND TYRE SIZES (Saudi Arabia and China only)

Wheel size	Tyre size	Load index	Front pressures up to 4 people bar (psi, kPa)	Rear pressures up to 4 people 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 V	109	2.3 (33, 230)	2.5 (36, 250)
8.5J x 20	255/55 R20 W	110	2.3 (33, 230)	2.5 (36, 250)
9.5J x 21	275/45 R21 W	110	2.3 (33, 230)	2.5 (36, 250)
9.5J x 22	275/40 R22 Y	108	2.3 (33, 230)	2.5 (36, 250)

## WHEEL ALIGNMENT DATA

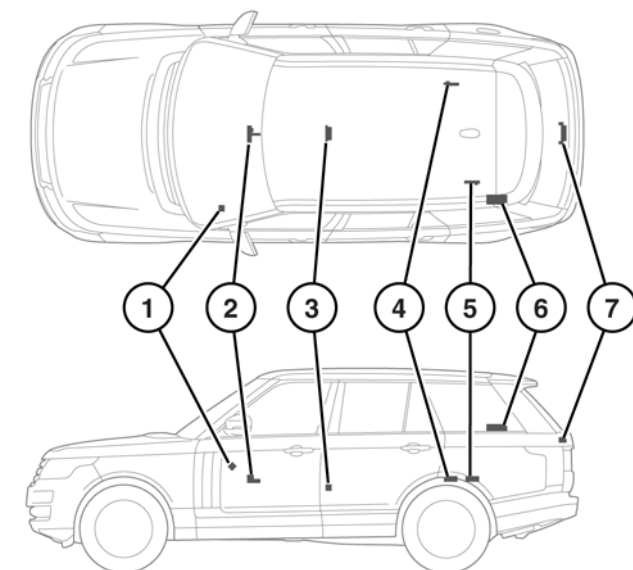
	All models
Wheel alignment - front	8' ± 12'
Wheel alignment - rear	18' ± 12'
Camber - front left	-0.68° ± 0.75°
Camber - front right	-0.68° ± 0.75°
Camber - rear left	-1.5° ± 0.75°
Camber - rear right	-1.5° ± 0.75°
Castor - front left	3.73° ± 0.75°
Castor - front right	3.73° ± 0.75°

**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 (China)

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

### REMOTE KEY FOB TRANSMITTER LOCATIONS



E150086

1. Security transmitter.
2. Cabin front transmitters.
3. Cabin middle transmitter.
4. Loadspace interior transmitter.
5. Loadspace interior transmitter.
6. Keyless start module.
7. Loadspace exterior transmitter.



**Any person fitted with an implanted medical device should ensure that 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.**