

## ENGINE SPECIFICATIONS

	<b>V6</b>	<b>V8</b>
<b>Capacity</b>	183 cubic in. (2 995 cm <sup>3</sup> )	305 cubic in. (4 999 cm <sup>3</sup> )
<b>Firing order</b>	1-4-2-5-3-6	1-5-4-2-6-3-7-8
<b>Bore</b>	3.33 in. (84.5 mm)	3.64 in. (92.5 mm)
<b>Stroke</b>	3.50 in. (89 mm)	3.66 in. (93.0 mm)
<b>Number of cylinders</b>	6	8
<b>Compression ratio</b>	10.5:1	9.5:1

## LUBRICANTS AND FLUIDS

Part	Variant	Specification
Engine oil	V6	SAE 5W-20 engine oil meeting specification WSS-M2C925. If unavailable or, where ambient temperatures fall to lower than -4° F, SAE 0W-20 engine oil meeting Jaguar Land Rover specification STJLR.51.5122 should be used.
	V8	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)	Non-locking	Castrol SAF-XO
Rear differential oil (electronic locking)	Electronic Locking	Castrol BOT 720
Dynamic response fluid	V8	Texaco Cold Climate PAS fluid 33270
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.
Windshield washer	All vehicles	Windshield 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 pints (litres)
<b>Fuel tank (usable)</b>	All vehicles	27.7 gallons (105)
<b>Engine oil refill and filter change</b>	V6	12.7 (6.0)
	V8	16.9 (8.0)
<b>Automatic gearbox</b>	All vehicles	Filled for life
<b>Transfer box</b>	Without low range transmission	1.59 (0.75)
	With low range transmission	3.17 (1.5)
<b>Front differential - wet fill</b>	All vehicles	1.08 (0.51)
<b>Rear differential (non-locking) - wet fill</b>	All vehicles	1.73 (0.82)
<b>Rear differential (electronic locking) - wet fill</b>	All vehicles	2.56 (1.21)
<b>Washer reservoir</b>	All vehicles	12.68 (6.0)
<b>Cooling system (refill):</b>	V6	17.01 (8.05)
	V8	18.66 (8.83)
<b>Refrigerant charge weight</b>	3 Zone climate control	800g ± 10g
	4 Zone climate control	1150g ± 10g
<b>Air conditioning compressor oil -Total system capacity</b>	3 Zone climate control	80 cc
	4 Zone climate control	140 cc

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

## WEIGHTS

Variant	Vehicle weight from lb (kg)	Gross Vehicle Weight (GVW) <sup>1</sup> lb (kg)	Gross Train Weight (GTW) <sup>2</sup> lb (kg)
V6	4727 (2144)	6504 (2950)	14220 (6450)
V8	5093 (2310)	6724 (3050)	14440 (6550)

<sup>1</sup> The maximum permissible weight of the vehicle including passengers and load.

<sup>2</sup> The maximum permissible weight of the vehicle and braked trailer including their respective loads.

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

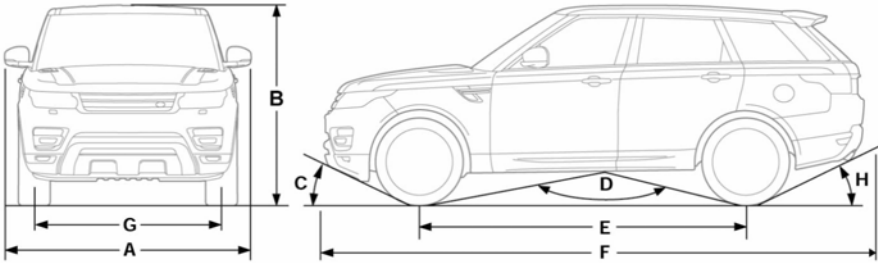
Variant	Maximum front axle load <sup>1</sup> lb (kg)	Maximum rear axle load <sup>1</sup> lb (kg)	Maximum roof crossbar load <sup>2</sup> lb (kg)
V6	3307 (1500)	3814 (1730)	220 (100)
V8	3307 (1500)	3814 (1730)	220 (100)

<sup>1</sup> The front and rear axle maximum loads can not be reached simultaneously as this will exceed the GVW limit.

<sup>2</sup> This figure is extra to the weight of the roof rails and crossbars.

# Technical specifications

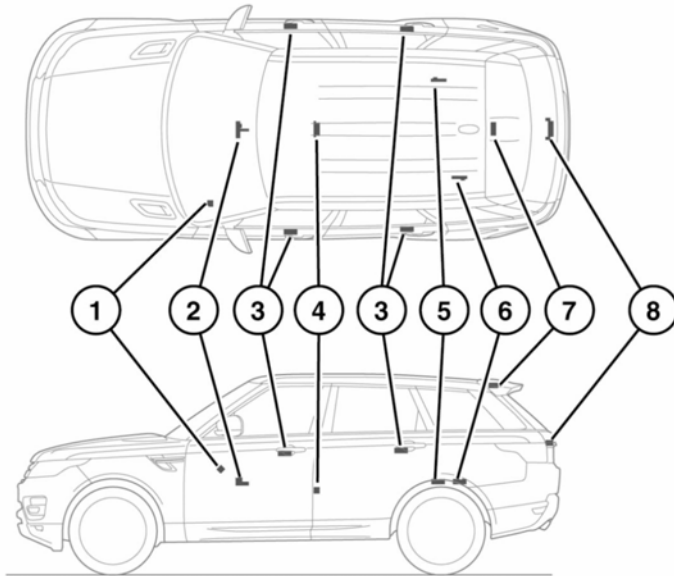
## DIMENSIONS



E150838

Item	Description	inches (mm)	Degrees
A	Width (including mirrors)	87.4 (2220)	-
B	Height: (standard road height)	70 (1780)	-
C	Approach angle (at curb weight and standard road height)	-	25.8°
D	Ramp breakover angle (at curb weight and standard road height)	-	160.6°
E	Wheelbase	115 (2923)	-
F	Overall length	191 (4850)	-
G	Track - front	66.5 (1690)	-
	Track - rear	66.3 (1685)	-
H	Departure angle without draw bar (at curb weight plus full size spare tire and at standard road height)	-	26.4°
H	Departure angle with Class 3 Draw Bar (at curb weight and at standard road height):	-	25.2°
H	Departure angle with Class 3 Draw Bar and multi height plate (at curb weight and at standard road height):	-	15.6°
-	Wading depth at Off-road height	33.46 (850)	-
-	Minimum ground clearance at standard road height:	7.87 (200)	-
-	Turning circle (wall to wall)	484 (12300)	-

## REMOTE KEY FOB TRANSMITTER LOCATIONS



E151136

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.

### **⚠️ WARNING**

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

### **Radio Frequency Spectrum Regulation Statement: USA**

This device complies with Part 15 of the FCC rules. Operation is subject to the two following conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### **Radio Frequency Spectrum Regulation Statement: Canada**

IC-RSS-210:

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and

# Technical specifications

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

## Radio Frequency Approval Numbers

The key system transmitter radio frequency approval numbers for the USA and Canada are as follows:

USA FCC ID:	KOBJTF10A
	KOBJLR09A
	KOJBGG10A
	KOJBGG10B
Canada IC:	3521A-JTF10A
	3521-JLR09A
	3521-JBG10A
	3521-JBG10B
Model Number:	AH22-15K601A
	AH42-15K602-A
	AH22-19H440 (PEPS)
	AH42-19H440 (Passive Start only)

## **NOTICE**

*The Smart key may suffer interference from other legal users of the this radio frequency band, such as radio amateurs, medical equipment, remote controls or alarm systems. To lock or unlock the vehicle in such a situation, either use a key or operate the key transmitter as close to the security antenna as possible.*

**Note:** *The manufacturer is not responsible for any radio interference caused by unauthorized modifications to this equipment. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*