## **ENGINE SPECIFICATIONS**

|                     | V6                                            | V8                        |
|---------------------|-----------------------------------------------|---------------------------|
| Capacity            | 183 cubic in. (2 995 cm³)                     | 305 cubic in. (4 999 cm³) |
| Firing order        | ring order 1-4-2-5-3-6 1-5-4-2-6-3-7-8        |                           |
| Bore                | 3.33 in. (84.5 mm)                            | 3.64 in. (92.5 mm)        |
| Stroke              | <b>roke</b> 3.50 in. (89 mm) 3.66 in. (93.0 n |                           |
| Number of cylinders | er of cylinders 6 8                           |                           |
| Compression ratio   | ression ratio 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-<br>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<br>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) |
|---------------------------------------------------|--------------------------------|-------------------------|
| Fuel tank (usable)                                | All vehicles                   | 27.7 gallons (105)      |
| Engine oil refill and filter                      | V6                             | 12.7 (6.0)              |
| change                                            | V8                             | 16.9 (8.0)              |
| Automatic gearbox                                 | All vehicles                   | Filled for life         |
| Transfer box                                      | Without low range transmission | 1.59 (0.75)             |
|                                                   | With low range transmission    | 3.17 (1.5)              |
| Front differential - wet fill                     | All vehicles                   | 1.08 (0.51)             |
| Rear differential (non-locking)<br>- wet fill     | All vehicles                   | 1.73 (0.82)             |
| Rear differential (electronic locking) - wet fill | All vehicles                   | 2.56 (1.21)             |
| Washer reservoir                                  | All vehicles                   | 12.68 (6.0)             |
| Cooling system (refill):                          | V6                             | 17.01 (8.05)            |
|                                                   | V8                             | 18.66 (8.83)            |
| Refrigerant charge weight                         | 3 Zone climate control         | 800g ± 10g              |
|                                                   | 4 Zone climate control         | 1150g ± 10g             |
| Air conditioning compressor oil                   | 3 Zone climate control         | 80 cc                   |
| -Total system capacity                            | 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.

#### WFIGHTS

| Variant | Vehicle weight | Gross Vehicle | Gross Train   |
|---------|----------------|---------------|---------------|
|         | from           | Weight (GVW)¹ | Weight (GTW)² |
|         | Ib (kg)        | Ib (kg)       | Ib (kg)       |
| V6      | 4727           | 6504          | 14220         |
|         | (2144)         | (2950)        | (6450)        |
| V8      | 5093           | 6724          | 14440         |
|         | (2310)         | (3050)        | (6550)        |

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

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

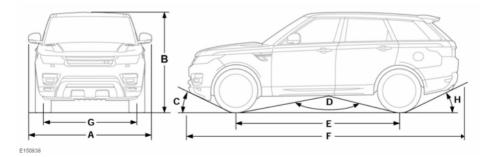
| Variant | Maximum front | Maximum rear | Maximum roof   |
|---------|---------------|--------------|----------------|
|         | axle load¹    | axle load¹   | crossbar load² |
|         | lb (kg)       | lb (kg)      | lb (kg)        |
| V6      | 3307          | 3814         | 220            |
|         | (1500)        | (1730)       | (100)          |
| V8      | 3307          | 3814         | 220            |
|         | (1500)        | (1730)       | (100)          |

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

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

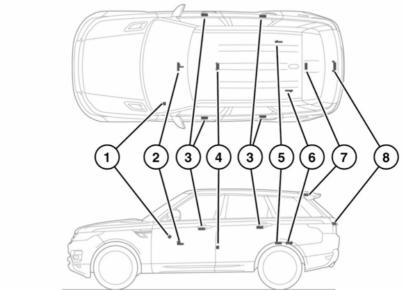
<sup>&</sup>lt;sup>2</sup> This figure is extra to the weight of the roof rails and crossbars.

# **DIMENSIONS**



| Item | Description                                                                                                | inches (mm) | Degrees |
|------|------------------------------------------------------------------------------------------------------------|-------------|---------|
| Α    | Width (including mirrors)                                                                                  | 87.4 (2220) | -       |
| В    | Height: (standard road height)                                                                             | 70 (1780)   | -       |
| С    | 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) | -       |
| Н    | Departure angle without draw bar (at curb weight plus full size spare tire and at standard road height)    | -           | 26.4°   |
| Н    | Departure angle with Class 3 Draw Bar (at curb weight and at standard road height):                        | -           | 25.2°   |
| Н    | 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 FOR 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.

### **AWARNING**

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

(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 a follows:

| USA FCC ID:   | KOBJTF10A                           |
|---------------|-------------------------------------|
|               | KOBJLR09A                           |
|               | KOBJBG10A                           |
|               | KOBJBG10B                           |
| Canada IC:    | 3521A-JTF10A                        |
|               | 3521-JLR09A                         |
|               | 3521-JBG10A                         |
|               | 3521-JBG10B                         |
| Model Number: | AH22-15K601A                        |
|               | AH42-15K602-A                       |
|               | AH22-19H440 (PEPS)                  |
|               | AH42-19H440 (Passive<br>Start only) |

**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.

#### 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.