

## Vehicle Data

<b>Engine</b>	<b>4.0 litre normally aspirated</b>	<b>4.0 litre supercharged</b>
Type.....	V8, dual overhead camshafts 4 valves/cylinder.	V8, dual overhead camshafts 4 valves/cylinder.
Capacity.....	244 inch <sup>3</sup> (3996 cm <sup>3</sup> )	244 inch <sup>3</sup> (3996 cm <sup>3</sup> )
Bore.....	3.386 inch (86 mm)	3.386 inch (86 mm)
Stroke.....	3.386 inch (86 mm)	3.386 inch (86 mm)
Firing order: 1A and 1B cylinders at front of engine ..	1A, 1B, 4A, 2A, 2B, 3A, 3B, 4B	1A, 1B, 4A, 2A, 2B, 3A, 3B, 4B
Compression ratio.....	10.75 : 1	9.0 : 1
Spark plugs (unleaded fuel):		
– Type.....	NGK PFR5G-11E	NGK PFR5G-11E
– Electrode gap.....	0.040 – 0.043 inch (1.0 – 1.1 mm)	0.040 – 0.043 inch (1.0 – 1.1 mm)
 <b>Transmission</b>		
Type – Automatic.....	5 Speed	5 Speed
Final drive type.....	GKN 14HU On centre line differential	GKN 14HU On centre line differential

## 6-2 Specifications

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### Weights (Approximate)

#### Vehicles with the 4.0 litre normally aspirated engine

	Coupe		Convertible	
	kg	lb	kg	lb
Kerb weight . . . . .	1615	3553	1705	3751
Front axle kerb weight . . . . .	842	1852	877	1929
Rear axle kerb weight . . . . .	773	1700	828	1821
Gross vehicle weight (G.V.W.) . . . . .	2010	4431	2100	4630
Gross front axle weight . . . . .	953	2100	983	2167
Gross rear axle weight . . . . .	1057	2330	1117	2463
Maximum recommended luggage compartment load with passenger and driver . . . . .	48	106	48	106

**Note:** Loads greater than 106lb (48kg) may be carried in the luggage compartment provided the maximum technically permissible axle weights shown on the vehicle Identification plate are not exceeded and the tyres are inflated to the 'normal pressures' given in the following table of recommended tyre pressures.

**Weights (Approximate) (continued)**

**Vehicles with the 4.0 litre supercharged engine**

	<b>Coupe</b>		<b>Convertible</b>	
	<b>kg</b>	<b>lb</b>	<b>kg</b>	<b>lb</b>
Kerb weight . . . . .	1640	3616	1750	3858
Front axle kerb weight . . . . .	853	1881	910	2006
Rear axle kerb weight . . . . .	787	1735	840	1852
Gross vehicle weight (G.V.W.) . . . . .	2010	4431	2100	4630
Gross front axle weight . . . . .	953	2100	983	2167
Gross rear axle weight . . . . .	1057	2330	1117	2463
Maximum recommended luggage compartment load with passenger and driver . . . . .	48	106	48	106

**Note:** Loads greater than 106lb (48kg) may be carried in the luggage compartment provided the maximum technically permissible axle weights shown on the vehicle Identification plate are not exceeded and the tyres are inflated to the 'normal pressures' given in the following table of recommended tyre pressures.

## 6-4 Specifications

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### Dimensions (Coupe and Convertible)

	<b>mm</b>	<b>inch</b>
Overall length . . . . .	4760	187.4
Overall width including mirrors . . . . .	2016	81.7
Overall width without mirrors . . . . .	1829	70.8
Overall height (at gross vehicle weight) . . . . .	1271	
Minimum ground clearance (at gross vehicle weight):		
Coupe . . . . .	164	6.5
Convertible . . . . .	162	6.4
Wheelbase . . . . .	2588	101.9
Track:		
Front . . . . .	1504	59.2
Rear . . . . .	1504	59.2
Turning circle:		
Kerb to kerb . . . . .	11 metres	36 feet 1 inch

## Wheel/Tyre Data

Jaguar original equipment and recommended wheels and tyres.

**Caution: Do not mix tyre size or make.**

Wheel name	Road wheel size	Tyre type/size
Revolver	8J x 17	Pirelli P Zero 245/50 ZR17 99Y Asimmetrico
Lamina	8J x 17	Pirelli P Zero 245/50 ZR17 99Y Asimmetrico
Impeller	Front 8J x 18 Rear 9J x 18	Front - Continental ContiSportContact 245/45 ZR 18 96W Rear - Continental ContiSportContact 255/45 ZR 18 99W
Double five	Front 8J x 18 Rear 9J x 18	Front - Continental ContiSportContact 245/45 ZR 18 96W Rear - Continental ContiSportContact 255/45 ZR 18 99W
Montreal	Front 9J x 20 Rear 10J x 20	Front - Pirelli P Zero 255/35 ZR 20 97Y J Direzionale Rear - Pirelli P Zero 285/30 ZR 20 99Y J Asimmetrico

## 6-6 Specifications

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### Temporary-use Spare Wheel (where fitted)

- Steel road wheel size. 3.5 x 18
- Alloy road wheel size. 4 x 18
- Tyre type/size. Pirelli 135/80 R 18



### WARNING:

**Failure to comply with the following can be dangerous. When a temporary-use spare wheel is fitted, switch off traction control, drive with caution and replace with the specified wheel and tyre assembly as soon as possible. Do not fit more than one temporary-use spare at one time. Temporary-use spare, maximum speed is 50 mph (80 km/h).**

For information about the temporary use spare wheel, see page 4-1.

### Winter (Snow) Tyres

The tyres fitted as original equipment are designed with a rubber compound, tread pattern and width specially suited for high speeds in normal road conditions, but they are less suitable during extremes of low temperatures, snow and ice. The use of winter tyres will considerably improve the vehicle's handling during these conditions.

Winter tyres must be used in vehicle sets of the same type/size, i.e. fitted on all four wheels.

It is recommended that only the following Jaguar approved winter tyres are used.

Tyre type/size:	Pirelli Winter 210 Performance M+S 245/50 R 17.
	Pirelli Winter 210 Performance M+S 245/45 R 18.

**Caution: Tyre directional indicators must be rotating in a clockwise direction when viewed from the right-hand side of the vehicle, and anti-clockwise when viewed from the left-hand side of the vehicle.**

Do not exceed 130 mph (210 km/h) when using Jaguar approved winter tyres.

For information about snow chains, or a 'Spikes Spider' accessory, see page 5-4.

Vehicles fitted with 'R' performance brakes: Special 18 inch winter wheels/tyres are available as an accessory for vehicles equipped with the 'R' performance brakes (the standard winter wheels will not fit). Tyre pressures for these winter wheels are as specified for 18 inch wheels in the following table.

If the vehicle is also fitted with the 'R' performance handling kit (modified suspension), the winter tyres must be inflated to the pressures specified for 20 inch wheels.

There is no 20 inch Jaguar approved winter tyre available.

## Recommended Tyre Pressures

Tyres must be inflated to the following cold inflation pressures:

		Maximum comfort – Speeds up to 160 km/h (100 mph)	Normal Pressures
<b>17 Inch Wheels</b>	<b>Front</b>	26 lbf/in <sup>2</sup> (180 kPa, 1,8 kg/cm <sup>2</sup> , 1,8 bar)	32 lbf/in <sup>2</sup> (220 kPa, 2,24 kg/cm <sup>2</sup> , 2,2 bar)
	<b>Rear</b>	28 lbf/in <sup>2</sup> (190 kPa, 2,0 kg/cm <sup>2</sup> , 1,9 bar)	34 lbf/in <sup>2</sup> (230 kPa, 2,4 kg/cm <sup>2</sup> , 2,3 bar)
<b>18 Inch Wheels</b>	<b>Front</b>	26 lbf/in <sup>2</sup> (180 kPa, 1,8 kg/cm <sup>2</sup> , 1,8 bar)	32 lbf/in <sup>2</sup> (220 kPa, 2,24 kg/cm <sup>2</sup> , 2,2 bar)
	<b>Rear</b>	28 lbf/in <sup>2</sup> (190 kPa, 2,0 kg/cm <sup>2</sup> , 1,9 bar)	34 lbf/in <sup>2</sup> (230 kPa, 2,4 kg/cm <sup>2</sup> , 2,3 bar)
<b>20 Inch Wheels</b>	<b>Front</b>	32 lbf/in <sup>2</sup> (220 kPa, 2,24 kg/cm <sup>2</sup> , 2,2 bar)	32 lbf/in <sup>2</sup> (220 kPa, 2,24 kg/cm <sup>2</sup> , 2,2 bar)
	<b>Rear</b>	30 lbf/in <sup>2</sup> (207 kPa, 2,1 kg/cm <sup>2</sup> , 2,0 bar)	30 lbf/in <sup>2</sup> (207 kPa, 2,1 kg/cm <sup>2</sup> , 2,0 bar)
<b>Temporary-use spare wheel</b>		–	60 lbf/in <sup>2</sup> (410 kPa, 4,2 kg/cm <sup>2</sup> , 4,1 bar)

### Note:

1. A label stating the recommended tyre pressures is fixed to the underside of the centre console storage compartment lid.
2. Certain alloy wheels have a valve cover on the wheel face. To access the valve, see Section 3: **Routine checks**.

### Tyres without Jaguar approval

Any tyres other than those recommended should be inflated to 2 lbf/in<sup>2</sup> (14 kPa, 0,14 kg/cm<sup>2</sup>, 0,14 bar) higher than the pressures identified above for the appropriate size (front and rear).

When using non-Jaguar approved winter tyres, increase inflation pressures by 2 lbf/in<sup>2</sup> (14 kPa, 0,14 kg/cm<sup>2</sup>, 0,14 bar) higher than the pressures identified above for the appropriate size (front and rear) and do not exceed the tyre's speed capability.

## 6-8 Specifications

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### Fuel Requirements

Use only Premium Unleaded gasoline with a minimum Anti-Knock Index (AKI) of 91.

Oxygenated gasoline blended with ethanol (max. 10%) methanol (max. 10%) or methyl tertiary butyl ether (MTBE) (max. 15%) may be used.

Reformulated Gasoline with a minimum AKI of 91 may also be used.

The use of high quality fuel containing 'intake system deposit control' detergent and other additives will help to keep the vehicle's intake system free of deposits and its fuel system free of corrosion and gumming.

If high quality fuels containing 'intake system deposit control' detergent and other additives are used continuously, there should be no need to add any after market products to the fuel tank.

If problems are experienced with starting, rough idling or hesitation when the engine is cold, it may be caused by gasoline with a low volatility. Try a different grade and/or brand of fuel. If the condition persists, see a Jaguar Dealer or a qualified service technician.

### Oxygenated Gasoline

Fuels that are blended with compounds containing oxygen, called oxygenates, may be used. Common oxygenates are ethanol or grain alcohol (blended at no more than 10%), methanol or wood alcohol (blended at no more than 5% with necessary co-solvents and additives, and MTBE or methyl tertiary butyl ether (blended at no more than 15%). The type of oxygenate may be found on the fuel pump or by asking the attendant. In certain areas of the country, oxygenates are required to be in all fuels to help improve air quality.

Generally, difficulty should not be experienced while operating the vehicle on fuels containing oxygenates. If problems are experienced switch to a fuel with a different type of oxygenate, or switch to a fuel that does not contain oxygenates, if available.

### Reformulated Gasoline

Several petroleum companies have announced the availability of reformulated fuels.

These fuels are specially designed to further reduce vehicle emissions.

Jaguar fully supports all efforts to protect and maintain ambient air quality, and encourage the use of reformulated gasoline, where available.



## Catalytic Converters

A few precautions on the use of vehicles fitted with catalytic converters are necessary. These are:

1. In order to maintain the efficiency of the emission control system it is essential that unleaded fuel is used. Use of leaded fuel will seriously damage the catalytic converters.
2. **Never** leave the vehicle unattended with the engine running.
3. Heavy impact on the converter casings must be avoided.
4. The engine settings must not be altered; they have been established to ensure that the vehicle will comply with stringent exhaust emission regulations. Incorrect engine settings could cause unusually high catalytic converter temperatures and thus result in damage to the converter and vehicle. If adjustment to the settings is considered necessary, this should be performed by a Jaguar Dealer.
5. A correctly tuned engine optimises exhaust emissions, performance and fuel economy and it is recommended that the vehicle is regularly maintained.
6. Do not continue to operate the vehicle if any engine malfunction is evident; malfunctions should be rectified immediately. For instance, misfire, loss of engine performance, excessive oil consumption or engine run-on may lead to unusually high catalytic converter temperatures and may result in damage to the converters and vehicle.
7. The use of catalytic converters increases exhaust system temperatures, therefore, do not operate or park the vehicle in areas where combustible materials such as dry grass or leaves may come into contact with the exhaust system.
8. Do not run the engine with either a spark plug lead disconnected or a spark plug removed. Do not use any device that requires an insert into a spark plug hole in order to generate air pressure e.g. tyre pump, paint spray attachment etc., as this could also result in catalytic converter damage.
9. The vehicle is designed for normal road use. Below are examples of abuse which could damage the catalytic converters and vehicle. These may lead to a dangerous condition due to excessively high catalytic converter temperatures.
  - Competition or off-road use.
  - Excessive engine speed.
  - Overloading the vehicle.
  - Switching off the engine whilst in gear.

## 6-10 Specifications

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