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ADVANCING THE LEGENDARY DRIVING EXPERIENCE - THE 1999 JAGUAR RANGE

The record selling range of Jaguar V8 XJ Series saloons and XK Series sports cars continues into 1999 with improvements to steering, braking and suspension systems, while the powerful AJ-V8 engine family is further refined for improved driveability and exhaust emissions. Detailed interior enhancements complete the package for 1999.

Commenting on the launch of the 1999 Jaguar model range at the Salon International de L'Automobile in Paris, Nick Scheele, Chairman and Chief Executive said:

"Expansion in Europe continues to be a strategic element in Jaguar's future growth plans and, so far this year, sales in Continental Europe are up by over 25 per cent compared with last year. The 1999 model year XJ Series and XK Series ranges, with their enhanced refinement and even smoother power delivery, will help to sustain this success, closely followed next year by the eagerly awaited Jaguar S-TYPE, our all-new, more affordable, sports saloon."

Chassis and powertrain enhancements advance the Jaguar driving experience

Jaguar's supercharged XKR coupe and convertible, launched in May this year, were the first cars in the world to feature the new Servotronic II power steering system. This system is now standard fitment across the XJ Series saloon and XK Series sports

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car ranges. The new electronically controlled, speed-proportional steering system provides a greater degree of weighting at medium to high speeds for increased steering "feel" on-centre and during cornering.

A range of improvements further enhance the driveability, refinement and emission quality of the high efficiency AJ-V8 engine on normally aspirated XJ Series saloon and XK Series sports models. New air-assisted fuel injectors on 3.2 and 4.0 litre provide improved performance feel, while the time required for the catalysts to achieve operating temperature is reduced, enhancing cold start performance and benefiting hydrocarbon emissions.

On 4.0 litre normally aspirated models, continuously variable cam phasing replaces the previous two-stage system. This provides a linear valve timing pattern which improves torque particularly at low engine speed, enhancing driveability and optimising emissions.

3.2 and 4.0 normally aspirated models also feature modified pistons with increased skirt length for improved refinement and a new, more responsive electronic throttle, controlled by the engine management system. Recalibration of the ZF five-speed automatic transmission further enhances gearshift quality on both 3.2 and 4.0 litre normally aspirated models. All versions of the AJ-V8 now also benefit from dual-tipped platinum spark plugs, improving the service life from 30,000 to 70,000 miles.

On both 3.2 and 4.0 litre normally aspirated models, a more efficient cruise control system is introduced with electronic, rather than vacuum, actuation. This contributes to smoother and more relaxed driving. The supercharged 370 bhp AJ-V8, which powers the XJR and Daimler Super V8 saloons and the XKR sports models, benefits from a new kick-down control switch for improved throttle response.

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The supercharged Jaguar XJR and Daimler Super V8 saloons are now equipped with larger and more efficient front brakes, another improvement first seen on XKR. The modifications comprise discs increased in diameter from 305 mm to 325 mm and lead-free Textar pads, which are not only more effective but also more friendly to the environment.

Together, this package of improvements to chassis and powertrain results in a smoother, more refined power delivery coupled with more responsive handling, enhancing the legendary Jaguar driving experience.

To increase customer choice, a sports suspension option is now available for the 1999 model year Sovereign with a choice of either 8 " x 16 " 20-spoke or 8 " x 17 " Celtic alloy wheels. A standard wheelbase Sovereign model is also added to the 1999 model line-up.

Further refinements for XK8 and XKR

XK8 models ordered with the optional Computer Active Technology Suspension (CATS) are now specified with XKR steering tune, stiffer (by some 17 per cent) steering bushes and Bilstein digressive dampers. The result is greater steering precision and improved feel during cornering with a more consistent, slightly firmer low speed ride without compromising high speed stability and control.

XK8 models specified with the optional 18 inch wheels feature a revised construction for the Pirelli P Zero rear tyres, also bringing them into line with the XKR. The new tyres improve handling and grip and provide a more linear response to steering inputs.

An additional stiffening brace between the B-post and seat belt pillar on XK8 and XKR convertibles enhances body refinement.

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Improved comfort, convenience and style

More visible improvements to the 1999 model cars include new colour choices for both the XJ Series saloon and XK Series sports ranges. All models also have detail changes to the instrument pack and clock, improving the clarity of the dials.

In response to customer demand, the supercharged XJR saloon may now be optionally specified with Jaguar's classic colour-keyed interior theme with traditional burr walnut veneers. Black-stained birdseye maple remains standard equipment. An exterior chrome pack is also available as an option on XJR models.

On XJ Series saloons, the control pod which allows the front passenger seat to be adjusted by the driver or rear seat passenger is redesigned and more conveniently positioned on the rear of the passenger seat. This feature is standard fitment on Sovereign and Daimler and optional on other models. A new colour keyed, stitched gearshift surround offers an improvement in both appearance and feel.

All models are now available with a new factory or dealer fitted GSM phone option. The Motorola StarTac 85 phone is a compact design, making it more convenient for pocket or handbag. This premium specification, portable phone provides for hands-free operation using the steering-wheel mounted controls. The phone may be used as a stand-alone portable and converts to form part of a fully integrated communication system, when connected to the vehicle. As a further enhancement, the number of the calling phone (caller ID) appears on the radio information panel. For saloons, the phone package now also incorporates a new "patch" antenna, integral with the rear window. This provides optimum performance without any external evidence that the vehicle is equipped with a phone, enhancing security.

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JAGUAR V8 SERIES SALOON AND XK SERIES SPORTS RANGES

SPECIFICATION ENHANCEMENTS

1999 MODEL YEAR

Chassis

- **Servotronic II power-steering - all models**

Electronically controlled, speed proportional steering system with variable-ratio rack bar, first introduced on the XKR, provides a greater degree of weighting at medium to high vehicle speed.

- **Larger front disc brakes - (4.0 supercharged models)**

Increased in diameter from 305 mm to 325 mm with lead-free Textar pads.

- **Sports suspension option - Sovereign saloons**

A sports suspension option is introduced in combination with either 8 " x 16 " 20-spoke or 8 " x 17 " Celtic alloy wheels.

- **XKR sports tuned steering, digressive dampers and stiffer steering-rack bushes - XK8 optional CATS suspension package**

The software within the steering ECU is differentiated from the standard XK8 specification to further improve on-centre feel and to enhance high speed stability. The non-linear dampers, first introduced on the XKR, give a more consistent, slightly firmer low speed ride without compromising high speed stability and control.

The new bushes, some 17% stiffer than before, improve steering precision and "feel" during cornering.

- **Upgraded rear tyres - XK8 optional 18" wheels**

Upgraded belt construction and compound improve grip and stability during transient manoeuvres such as lane changes.

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Engine

- **Continuously-variable cam-phasing - all models (4.0 normally aspirated)**

Linear variation of cam position improves torque at low engine speeds, giving better driveability. Optimisation of cam position improves emissions. This is an improved version of the two stage system previously used in the AJ-V8.

- **Air-assisted injectors - all models (3.2/4.0 normally aspirated)**

Improves fuel atomisation, benefiting combustion and thus reducing emissions. Reduces spark-plug fouling and improves cold-starting ability.

- **Double-plated platinum spark-plugs - all models**

Double the service-life of previous plugs, requiring replacement at 70,000 mile intervals rather than 30,000 as previously.

- **Electronic throttle - all models (3.2/4.0 normally aspirated)**

Allows automatic control of the throttle by the Engine Management System (EMS).

- **Modified pistons - XK8 (3.2/4.0 normally aspirated)**

Increased skirt length for improved refinement.

- **Revised Engine Management System - (3.2/4.0 normally aspirated)**

The EMS has been modified for improved knock-sensing.

- **Electronically-actuated cruise-control - (3.2/4.0 normally aspirated)**

Offers smoother operation of the cruise control than the previous vacuum-operated system.

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- **Revised kick-down switch - (4.0 supercharged)**

Gives a more positive feel to the kick-down function for improved response.

Interior

- **Revised instrument cluster/clock graphics - all models**

Detailed changes to graphics and back lighting for improved legibility.

- **Improved gearshift surround - all XJ Series saloon models**

A new colour keyed, stitched gearshift surround for improved appearance and feel.

- **Passenger seat adjust "pod" redesigned - all XJ Series saloon models**

More conveniently positioned on the rear of the passenger seat (standard fitment Sovereign and Daimler, option all other models).

- **Classic burr walnut interior - option XJR saloon**

Classic colour keyed interior - colour keyed facia and door top rolls and burr walnut veneers - now available as an option.

- **Motorola Startac 85 phone package - option all models**

A lighter and more compact handset, in line with current improvements in mobile phone technology, able to show the source of an incoming call on the radio display ("Caller ID").

New "patch" antenna integral with the rear window for increased security.

Exterior

- **New colours - all models**

Alpine (a light green), Emerald and Phoenix red are added to the range of XK8 colours (in place of Sherwood and Aquamarine). Meteorite and Topaz are added to XKR colour range.

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Emerald and Alpine replace Spruce and Sherwood on XJ Series saloons.

- **Convertible hood - XK8/XKR**

Stone coloured hood replaced with light beige.

- **Exterior chrome pack - option XJR saloon**

Full chrome window package, chrome grille surround and boot plinth now available as an option.

- **Stiffening brace - XK8/XKR Convertibles**

An additional stiffening brace, located between the seat-belt pillar and the B-post, improves body rigidity.

Model range

- **Sovereign standard wheelbase model introduced in addition to long wheelbase model.**



DAIMLER SUPER V8



JAGUAR XJ8 (XJ EXECUTIVE IN EUROPE)



JAGUAR SOVEREIGN



JAGUAR SOVEREIGN



XKR AND XK8 CONVERTIBLES



XK8 CLASSIC INTERIOR



XK8 COUPE