



JAGUAR XJ-S.



#### JAGUAR XJ-S SPECIFICATIONS

##### ENGINE:

12-cylinder water-cooled aluminum-alloy 60-degree "V" with overhead camshafts (1 per bank) • May high compression cylinder head • 3 plane 7 main-bearing crankshaft • Catalytic converters • Compression ratio: 11.5:1 • Bore: 3.54 in. • Stroke: 2.78 in. • Stroke/bore ratio: 0.78:1 • Displacement: 326 cu in. (5.345 cc) • Ignition: Constant Energy system incorporating electronic amplifier, and high performance coil • Fuel injection: Lucas digitally controlled electronic • Fuel Pump: Electric • Fuel Tank Capacity: 24 U.S. gallons (unleaded) • Sump Capacity: 11 U.S. quarts

##### DRIVE TRAIN:

Transmission: GM 400-80 three-speed fully automatic with overriding manual control, torque converter • Final Drive: Independent Hypoid type with limited-slip differential • Rear Axle Ratio: 2.88:1 • Gear Ratios: Reverse 2.0:1, First 2.5:1, Second 1.5:1, Drive 1.0:1

##### STEERING:

Rack and pinion power assisted • Leather bound steering wheel • Adjustable steering column • Turn-lock to lock: 2.7 • Turning circle: 40 ft

##### SUSPENSION:

Front: Independent, "anti-dive" geometry with semi-trailing wishbones incorporating coil springs, shock absorbers and anti-sway bar • Rear: Independent with drive shafts forming upper links, radius arms, paired shock absorbers with coil springs and anti-sway bar

##### BRAKES:

Servo assisted 4-wheel disc brakes, dual circuits front to rear with pressure differential warning actuator • Front: 11.06 in. diameter ventilated discs • Rear: 10.32 in. diameter discs mounted inboard

##### ROAD WHEELS:

Five-spoke cast aluminum-alloy wheels, 15 in. diameter, fitted with Pirelli PS 215/70 VR 15 steel-belted, radial-ply, tubeless tires

##### ELECTRICAL:

Negative ground 12-volt system • Low maintenance battery • Battery Rating: 68 amps at 20 hour rate • Alternator: 75 amps

##### INSTRUMENTS AND CONTROLS:

Trip computer • Speedometer with trip odometer • Electric tachometer • Gauges for fuel level, water temperature, oil pressure and battery condition • Dual warning light system for vehicle status and vital functions including main beam, hazard warning, ignition, handbrake,

brake hydraulic failure, oil pressure, direction indicators, low coolant, heated rear window, seat belt not fastened, bulb failure and oxygen sensor service • Cruise control "on/off/resume" power window switches on console • Multi-purpose lever on left side of steering column controls low beam/high beam/flasher and directionals, and cruise control "set"; right side lever controls electric windshield washer and two speed wipers with single-wipe and intermittent capabilities • Door-operated courtesy lights with delayed "off" • Map reading lights • Luggage compartment light • Heated rear window • Central door locking by key or interior lock of either door • Twin electric remote control exterior mirrors operated from driver's side, convex mirror on right side • Automatic door open warning lights incorporating puddle lights

##### BODY:

All steel monocoque, 2-door, 2+2 • Forward hinged hood • Tinted glass • Halogen headlights • Halogen fog lights

##### INTERIOR:

Fully reclining leather covered front seats adjustable for reach (with head restraints); leather covered rear seat • Leather covered door panels, bins, console and armrests • Built-in facia, control panel and inserts to door waist rail • Factory-installed air conditioning/heating unit with automatic temperature control, automatic fan with overriding manual control • Sound System: AM/FM stereo radio with electronic scan tuning, 4-way speaker balance, cassette player with Dolby B and chrome tape capability • Inertia-steel seat belts • Power windows • Console and lockable glove box • Cigarette lighter • Deep pile carpet • Carpeted trunk with spare tire cover

##### INTERIOR DIMENSIONS:

Front Seat Headroom: 37 in. • Rear Seat Headroom: 34 in. • Front Seat Legroom (maximum): 43.5 in. • Rear Seat Legroom (minimum): 25 in. • Front Seat Shoulder Width: 55.5 in. • Rear Seat Shoulder Width: 52 in. • Trunk Capacity (usable with spare tire-MVMA): 10.6 cu ft

##### MAIN DIMENSIONS:

Overall Length: 191.7 in. • Overall Height: 47.8 in. • Overall Width: 70.6 in. • Wheelbase: 102 in. • Track at Front: 58.6 in. • Track at Rear: 59.2 in. • Ground Clearance (minimum): 4.5 in. • Curb Weight: 3,980 lbs.

##### OPTIONAL EQUIPMENT:

None

JAGUAR CARS CONFORM TO U.S. FEDERAL MOTOR VEHICLE SAFETY AND AIR POLLUTION STANDARDS APPLICABLE AT THEIR DATE OF MANUFACTURE. SPECIFICATIONS AND COLORS SUBJECT TO CHANGE WITHOUT NOTICE

Jaguar Cars Inc., Leonia, N.J.  
In Canada: Jaguar Canada Inc., Bramalea, Ont.

LITHO U.S.A. 75M/9/83





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QUITE POSSIBLY THE MOST SEDUCTIVE HIGH PERFORMANCE  
GT MACHINE OF OUR TIME.

For almost fifty years Jaguar has devoted itself exclusively to creating motorcars that extend the limits of response, handling and performance while at the same time surrounding their owners in great luxury. The new Jaguar S-type is the latest and finest expression of this philosophy.

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**A RARE ACHIEVEMENT IN DESIGN. A DEFINITIVE STATEMENT OF LUXURY.**

Jaguars have always been distinguished by a special grace of form and a rare poise in motion. Yet even among the legendary Jaguars of the past, the S-type stands out. The XJ-S does what Jaguars have always done—only better. It is quick and responsive, stable at speed, serene in motion and notably luxurious.

To move this uncommon motorcar, Jaguar has created a most uncommon engine. Strong, sophisticated and reliable, this is the only production 12-cylinder power plant available for sale in the United States. It develops great reserves of torque for effortless acceleration at virtually any speed.

The S-type's handling capabilities more than live up to the great potential of its engine. Each wheel is independently suspended to provide a firm but comfortable ride, superb balance and a sure feel for the road—even under the demands of an enthusiastic driver. The power rack and pinion steering system is precise. Automotive power disc brakes on all four wheels plus the sophisticated anti-dive geometry of its front suspension stop the car smoothly and steadily.

Although the S-type performs with a quickness, response and with a level of precise handling that can justly be compared to the performance characteristics of a race car, luxury has achieved a new pinnacle in the car's evolution. The seats, console and door panels are covered in soft leather. The dashboard and door panels are inlaid with hand-matched burr elm veneers. The carpeting is deep. The silence in motion is impressive.

In the Jaguar S-type, our quest for perfection is not merely an enthusiastic claim. It is backed, very solidly, by an uncompromising warranty. For twenty-four months or thirty-six thousand miles, whichever comes first, Jaguar will repair or replace any defective part of the car. The tires are covered by their own manufacturer's warranty. Your dealer has complete details on the Jaguar limited warranty.





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#### THE JAGUAR S-TYPE REDEFINES THE CONCEPT OF FIRST-CLASS TRAVEL.

You may search far and wide and not discover a better blending of luxury and day-after-tomorrow technology.

The entire seating compartment is wrapped in top grain leather. Sets of individual hides are hand matched for grain and color. They are fitted by hand and sewn by hand to a standard known only to custom upholsterers. Both front seats recline.

The dashboard and the door panels are inlaid with veneers of rare elm burl. Densely woven deep carpeting complements the leather. And all of this richness contributes to the car's silence, which is astonishing even at highway speeds.

Electronic conveniences are readily at hand, designed to make the driver more efficient and the passengers more comfortable. A new computer gives you instant digital readouts of gas consumption, average speed, miles traveled, and time. The car's internal climate control system regulates itself automatically to your preselected temperature. Jaguar cruise control allows you to set your desired speed with the touch of a button. The S-type will then maintain that speed automatically and evenly—reducing the fatigue of long trips. Naturally, you can still brake or accelerate at will. After braking, a touch of the "resume" switch brings the car back to your previous cruising speed.

The stereo sound system is an electronic marvel that allows you to preselect your 12 favorite stations (6 AM, 6 PM). At night, light emitting diodes constantly display all functions and the station selected. Digital display and scan tuning allow you to concentrate on driving.

The XJ-S has been engineered to surround its fortunate driver and passengers in consummate luxury, silence and convenience. This is First-Class touring as only Jaguar owners can experience it.

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THE JAGUAR MAY HEAD V-12 ENGINE. THERE IS NOTHING ELSE LIKE IT IN ALL THE WORLD.

The May head engine is a small miracle of engineering refinement.

Starting with the superbly responsive aluminum-alloy Jaguar V-12, and applying the unique combustion principles invented by the Swiss engineer Michael May, Jaguar has achieved even greater smoothness, even quicker response and, at the same time, has actually enhanced the engine's efficiency. (1984 EPA estimate: 14 mpg, 22 mpg highway estimate. Compare this to the "estimated mpg" of other cars. Your actual mileage may vary with speed, weather and trip length. Highway mileage will probably be less.)

The May fireball combustion chamber is an elegantly simple split-level chamber with the inlet valve set into a shallow collecting zone and the exhaust valve set higher up within the combustion chamber.

As the piston rises during the compression stroke, the mixture is pushed out of the inlet valve pocket and swirls rapidly around into the main chamber. Very precise modeling of these chamber surfaces insures that there is a low-turbulence, concentrated charge at the crucial point of sparking.

The effect is to increase the engine's already high compression ratio from 9.0:1 to 11.5:1. Performance and response are enhanced. And the sum of all this is a V-12 engine that retains all of its famous smoothness, strength and responsiveness.

The Jaguar V-12 has an electronic constant energy ignition system and Lucas digitally controlled electronic fuel injection.



THE CAT ROARS AGAIN: THE JAGUAR V-12 XJR-5 PROTOTYPE BLAZES TO VICTORY. With a top speed of over 230 mph, the 550-horsepower, XJR-5 is racing and winning. Its performance confirms the incredible acceleration and power achieved in the V-12 configuration.

#### A REMARKABLE INFORMATION GATHERING SYSTEM.

All of the S-type's vital systems are continuously monitored with the efficiency and sophistication expected in a Jaguar. The XJ-S monitoring system includes a tachometer and gauges for fuel level, water temperature, oil pressure and battery condition. In addition, should a problem occur, a red (major fault) or amber (secondary fault) warning light is illuminated along with a second light, indicating the specific problem area. The system includes warnings for: unfastened seat belt; battery overcharge; insufficient battery charge; low fuel; low coolant; parking light failure; brake light failure; hand brake applied; low brake fluid; or loss of efficiency in either hydraulic system.

And, as is essential in a motorcar of such awesome performance capabilities, all of the dials, gauges and warning lights are instantly visible through the padded, leather covered steering wheel.





**WIDE OPEN:** The S-type's wide doors allow easy entry and access to rear seats. Rare elm veneers, hand matched for grain, are inlaid into the leather covered panels of the doors as are two of the S-type's four stereophonic speakers.

Remote power controls for both side view mirrors are mounted in the driver's door. The right side mirror is convex for a wider field of view.



**STRONG:** The S-type's high performance lightweight cast alloy wheels and Pirelli P5 tires are standard equipment.



**BRIGHTER:** New halogen headlamps cut through darkness with greater candlepower. This translates into better visibility for night driving at turnpike speeds. In fog, switch on the Bosch halogen fog lights mounted under the bumper.

**CAPACIOUS:** More trunk space than you'd expect in a shape so smoothly sculptured. The S-type's 10.6 cubic feet of stowage space is, of course, richly carpeted and illuminated.



**INFORMATIVE:** The S-type's trip computer tells you average speed, current and average fuel consumption, elapsed miles and time—all digitally and all at the touch of a button.

**MUSICAL:** A high power stereo radio/cassette system is standard. It features scan tuning as well as 12 station positions you can preselect. The cassette features auto-reverse with Dolby® and chrome tape capabilities. All radio functions are backlit for night viewing. The system has four-way speaker balance.

**CONSIDERATE:** The S-type has a heating and air conditioning system that regulates itself automatically once you have selected your preferred temperature.

**STEADY:** Cruise control helps you maintain speed. Should braking become necessary the system automatically disengages. It will then return to the preset speed with a touch of the "resume" switch. After acceleration, however, the system returns the car to cruise speed automatically.

**VERSATILE:** The Jaguar automatic transmission makes city driving effortless yet offers you the flexibility of a manual system with its override downshift feature for passing or quick acceleration on the highway.