

ESPRIT SE



ESPRIT SE For 1992, the chargecooled 264 bhp lotus Esprit SE has a bigger, more comfortable interior, wider opening doors and a new rear wing, improving rear visibility as well as top speed. Capable of achieving 60 mph in 4.7 seconds and able to reach 165 mph, where conditions and regulations allow, the Esprit SE maintains the world leading standards of handling and ride for which Lotus has become famous over the last 40 years. The SE is the most luxurious Lotus ever and in keeping with the times is equipped with a catalytic convertor and runs only on unleaded fuel.



TECHNICAL SPECIFICATION

ENGINE:

<i>Cylinders:</i>	Four in line
<i>Capacity:</i>	2174cc Bore/Stroke: 95.3mm x 76.2mm
<i>Max Power:</i>	264bhp/197kW @ 6500rpm (DIN 70020)
<i>Max Torque:</i>	261 lb ft/354Nm @ 3900rpm (DIN 70020)
<i>Max Engine</i>	7400rpm
<i>Speed:</i>	
<i>Block:</i>	Aluminium alloy, Nikasil coated wet liners.
<i>Head:</i>	Aluminium alloy.
<i>Pistons:</i>	Forged aluminium, chromium plated crowns.
<i>Valve Gear:</i>	Dohc, belt-drive four valves per cylinder Sodium filled exhaust valves.
<i>Compression Ratio:</i>	8.0:1
<i>Turbocharger:</i>	Garrett T3 .63 with 0.42 Compressor, watercooled with integral wastegate.

Boost Pressure: 0.85bar maximum.
Chargecooler: Engine mounted intake chargecooler with independent mechanically driven liquid cooling system. Front mounted chargecooler heat exchanger.
Fuel System: Electronic multi-point fuel injection incorporating knock sensing and self-diagnosis capability.
Fuel: Unleaded, 95 RON minimum octane rating.
Ignition: Electronic distributorless twin-coil.

PERFORMANCE

Max speed: 165 mph/265km/h
Acceleration
 0-100 km/h/0-60mph: 5.0/4.7secs
 0- 160 km/h/0- 100mph: 11.9secs
Fourth gear
 80-120 km/h/50-70mph: 3.8secs
 110-150 km/h/70-90mph: 4.8secs
Fifth gear
 110-150 km/h/70-90mph: 6.5secs
 140-180 km/h/90-110mph: 7.1 secs



TRANSMISSION:

Type: Five-speed, all-synchromesh manual transaxle.
 Clutch: Hydraulically operated, 234.9mm single plate diaphragm.

<i>Ratios:</i>	<i>Gear</i>	<i>Ratio</i>	<i>km/h/1000rpm</i>
	5th	0.82:1	37.2
	4th	1.03:1	29.6
	3rd	1.38:1	22.0
	2nd	2.05:1	14.9
	1st	3.36:1	9.0

Final Drive: 3.889

BODY:

Styled by the Lotus Design studio, the bodyshell is manufactured by the Vacuum Assisted Resin Injection process and includes Kevlar reinforcement of the roof structure. Removable glass sunroof. Front and rear bumpers manufactured from RRIM offering protection against minor impact damage. Aerodynamic rear wing mounted on tailgate. Engine air intake located behind the rear right-hand quarter light complemented by further ducting in the lower body sills for cooling. Warm air exits via cooling slats above engine bay.

CHASSIS:

Galvanised steel backbone, guaranteed against corrosion for eight years.

FRONT SUSPENSION:

Upper and lower wishbones with anti-roll bar. Coil springs co-axial with telescopic gas pressurised shock absorbers.

REAR SUSPENSION:

Upper and lower transverse links with box section trailing radius arms. Coil springs co-axial with telescopic pressurised gas shock absorbers. Aluminium hub camers.

STEERING

Type: Rack-and-pinion

Ratio: 15.4:1

Turns lock-to-lock: 3.0

Turning circle: 10.97 metres (between kerbs)

BRAKES

Front: 259mm dia ventilated discs

Rear: 274mm dia outboard discs

Actuation: Dual circuit, full power actuated with three-channel electronic anti-lock brakes (ABS).

WHEELS AND TYRES

Wheels: Lotus-styled alloy wheels

Front: 7J x 15ins

Rear: 8.5J x 16ins

Front tyres: Goodyear Eagle 215/50 ZR 15

Rear tyres: Goodyear Eagle 245/50 ZR 16

Spare tyre: 175/70 R 14

FUEL SYSTEM

Tanks: Centrally mounted twin tanks

Capacity: 16.0 gallons/73 litres

Capacity: Twin, electrically-operated fuel filler caps mounted on rear body flanks.

WEIGHT:

Unladen weight: 1320kg

EXHAUST

Stainless steel system incorporating two-part ceramic matrix catalyst, back pressure valve for rapid catalyst warm-up and acoustic exhaust muffler.

COOLING

Front mounted cooling pack consisting of chargecooler radiator, airconditioning condenser and main engine cooling radiator. Two side-mounted oil coolers.

ELECTRICAL

Polarity: Negative earth

Alternator: Valeo 90amp

Headlights: Four circular 152mm units. Electrically-operated headlamps pods.

Fog lamps: Two square halogen high intensity units

Battery: Low maintenance, 340amp cold crank DIN, 620amp cold crank SAE.

Harness: 'Ristex' thinwall cable.

GOVERNMENT FUEL CONSUMPTION TEST RESULTS:

	Imp mpg	Metnc 1/100 km
URBAN	17.9	15.8
56 mph	36.2	7.8
75 mph	29.9	9.5
Fuel tank capacity:	16.0 gallons (73 litres)	
Fuel requirement:	95 RON minimum octane	UNLEADED

STANDARD EQUIPMENT:

The standard equipment for the Esprit SE includes: tilt/removable glass sunroof, air conditioning, electric windows, central door locking, electrically adjustable heated door mirrors, three phase ice warning system, front foglamps. 'SE' full leather interior with polished burr elm instrument panel.

The Lotus Esprit SE is covered from new by a 3 year unlimited mileage warranty and 8 year chassis corrosion guarantee.

