



1988 ESPRIT TURBO

The new-style car, coded X180 at Hethel, was launched in October 1987, with deliveries beginning almost at once. Mechanically the same as the Giugiaro styled Turbo Esprit, other than one major item, the transaxle. In place of the previous Citroen unit, Lotus now fits the transmission from the Renault GTA. This gives slightly higher gearing with a 3.88:1 final drive ratio. The gear change is also Renault-derived. The new gearbox has meant a change in the rear brakes. These have been moved to a more conventional outboard mounting on the cast alloy hub carriers. Brake cooling is improved, but un-sprung weight is increased. Solid discs are used at the rear while at the front ventilated discs are employed.

Two types were available on it's launch the Turbo HCPI for 'federal' markets. With 215bhp, Bosch injection and old-type Citroen gearbox and a Turbo for other markets, also with 215bhp, Dellorto carburetors, more torque, and Renault gearbox. The Citroen gearbox was dropped for the federal market in 1988.

Inside the car there was significantly more legroom and passenger space in general. Instruments and the panel were new, there was a better ventilation system.



Specifications:

Performance	
Top Speed	155 mph
0-60 mph	5.2 seconds
Power	228 bhp @6000 rpm
Torque	220 ft. lbs @ 4250 rpm
Engine	Transverse, mid, rear-wheel drive Head/ block al. alloy/al alloy. 4 cylinders in line. Bore 95.3mm, stroke 76.2mm, capacity 2174cc. Valve gear 2ohc. 4 valves per cylinder. Compression ratio 80 to 1. Electronic breaker-less ignition. Twin Dellorto DHLA 45 carburetors Garrett T3 turbocharger. boost pressure 9.5psi (0.67bar).
Cooling	Dual front-mounted oil coolers
Transmission	5-speed manual transaxle

Ratios:	1st – 3.364 2nd – 2.059 3rd – 1.381 4th – 1.037 5th – 0.756 Rev – 3.546 Final – 3.889
Brake System	Front 10.1ins(258mm) diameter ventilated discs. Rear 10.8ins (275.9mm) diameter discs. Vacuum servo.
Wheels	OZ Racing light alloy
Dimensions:	
Length	172 inches
Height	45.3 inches
Width	74.1 inches
Unladen Weight	2635 lbs