



TVR 390 S.E. CONVERTIBLE



TVR 390 S.E. CONVERTIBLE / TECHNICAL SPECIFICATIONS

Two seat, two door. Convertible body manufactured in glass reinforced polyester resin moulded in two halves and bonded along the waistline. This is combined with a plastic coated multi tubular steel backbone spaceframe chassis with outriggers on independent wishbone suspension with coil springs, gas filled telescopic shock absorbers and limited slip differential. Aluminium alloy road wheels are fitted with the latest Bridgestone RE71 low profile tyres. Laminated Sundym front screen with toughened frameless Sundym door windows along with detachable roof panel and fold down rear header complete with roof structure.

Strategically designed internal body crumple zones protect front and rear portions of the vehicle, with specially moulded polyester resin bumpers. Side intrusion beams located within the door structures conform to all current safety legislation. Individual seats with fore, aft and tilt movements are combined with adjustable head restraints.

Upholstery in cloth and ambla is standard in a wide variety of colours, with complete Connolly English leather trim available in any shade as an option. Contrasting deep pile carpet complements the internal colour chosen. Polished walnut veneer dashboard houses full instrumentation of speedometer, electric tachometer, oil pressure, water temperature and fuel gauges along with voltmeter and quartz clock. Other standard equipment includes: electric operated windows, twin electric door mirrors, stereo radio cassette player, adjustable steering column and small diameter leather trimmed steering wheel. A warning light cluster informs on handbrake, low fluid levels, ignition and oil pressure. Conditions with provision for extra facilities. A vanity mirror is housed in the passenger sunvisor with cigar lighter and ashtray located in the centre console.

ENGINE

Front mounted driving the rear wheels. Vee slanted 8 cylinder with total capacity of 390cc

(238 cu in). Bore 93.5mm (3.68 in). Stroke 77.12mm (3.06 in). High performance Cosworth pistons, high lift camshaft, overhead valves with uprated valve springs, hydraulic tappets and five bearing crankshaft. Compression ratio: 10.5 : 1. Tubular exhaust manifolds with free flow system. Balanced and blueprinted assembly. Electronic ignition, pressurised high capacity cooling system with twin electric cooling fans. Max. power 275 bhp (202kW) at 5500 rpm. Max. torque 270 ft/lbs (37.3 Kgm) at 3500 rpm.

FUEL SYSTEM

Induction is by modified and uprated version of the Lucas L type electronic fuel injection system. A higher capacity air flow meter, revised injector system and electronic control unit are utilised with a single Lucas electric fuel pump, in conjunction with anti surge pots and filters. Twin interconnected fuel tanks are located forward of the rear axle with a total capacity of 13.5 gallons (61 litres).

TRANSMISSION

A five speed manual gearbox with heavy duty hydraulic operated single dry plate diaphragm clutch is standard. Gear ratios: 1st 3.32:1, 2nd 2.09:1, 3rd 1.40:1, 4th 1.00:1, 5th 0.792:1. Reverse 3.43:1. Final drive ratio: 3.068:1 producing 30.86 mph per 1000 rpm. Hypoid bevel type variable slip differential. A final drive ratio of 3.54:1 producing 25.4 mph per 1000 rpm is available as a customer option.

PERFORMANCE

Maximum engine rpm 6000. 1st 44 mph (70.8 kph), 2nd 70 mph (112.6 kph), 3rd 104 mph (167.3 kph), 4th 146 mph (234.9 kph), 5th 150 mph (241.3 kph). Acceleration: 0-60 mph (96.6 kph) 5.0 seconds; 0-100 mph (160.9 kph) 13.5 seconds. Maximum speed 150 mph. Speed in 5th gear per 1000 rpm 30.86 mph (49.6 kph). Fuel consumption: 20/24 mpg. Standing quarter: 14 seconds. Standing km: 25 seconds.

CHASSIS

An all steel multi tubular backbone chassis with outriggers protected with an epoxy coating giving complete corrosion resistance. The separate chassis concept ensures that loads from the all independent suspension are fed into a structure that is fully insulated by "silent block" mountings form the main bodyshell. Protection for occupants is provided by well designed front, rear and side intrusion beams to conform to all legislative requirements. Suspension is independent all round. Front is by upper wishbone, stabilised lower lever, coil springs, telescopic shock absorbers and a forward running anti roll bar. Rear suspension is by a four point mounted lower fabricated wishbone and hub carrier with torque reaction arm. Fixed length driveshafts act as the upper link with coil springs and gas filled telescopic shock absorbers. This all runs on 15" (380mm) diameter aluminium alloy five stud wheels with the latest Bridgestone RE71 225/50 VR15 low profile tyres.

The braking system is servo assisted all round with discs operated through separate front and rear circuits from a tandem master cylinder combined with a "G" valve for the rear system. Front discs are outboard and ventilated with a 10.6" (269mm) diameter combined with uprated calipers and larger pistons. The rear brakes are inboard and 10.9" (277mm) diameter with a separate caliper for the cable operated handbrake. High performance asbestos free brake pads are fitted all round.

STEERING

Rack and pinion with adjustable and collapsible steering column with full range of fore and aft adjustment. This combines with a leather trimmed 14" diameter steering wheel giving a turning circle of 31.5" (9.59m) and 3.7 turns lock to lock. Power assisted steering can be fitted as a customer option.

HEATING AND VENTILATION

A very comprehensive heating and ventilation

system is fitted to all TVRs. Heating is controlled by the current of air flow through an internal matrix and this flow is maintained by a rotating temperature selector located on the lower fascia panel. This in turn is boosted by a two speed fan. Fresh cool air can be admitted to the cabin by twin swivel vents mounted in the centre of the fascia and stale air extracted by vents in the lower passenger door. A complete air conditioning system can be fitted to the vehicle as a customer option.

AUDIO

An Alpine LW/MW/FM stereo radio cassette player is fitted as standard. This plays through 20 watt speakers mounted just behind the seats in the trim panels. Reception is transmitted via an automatically operated electric aerial.

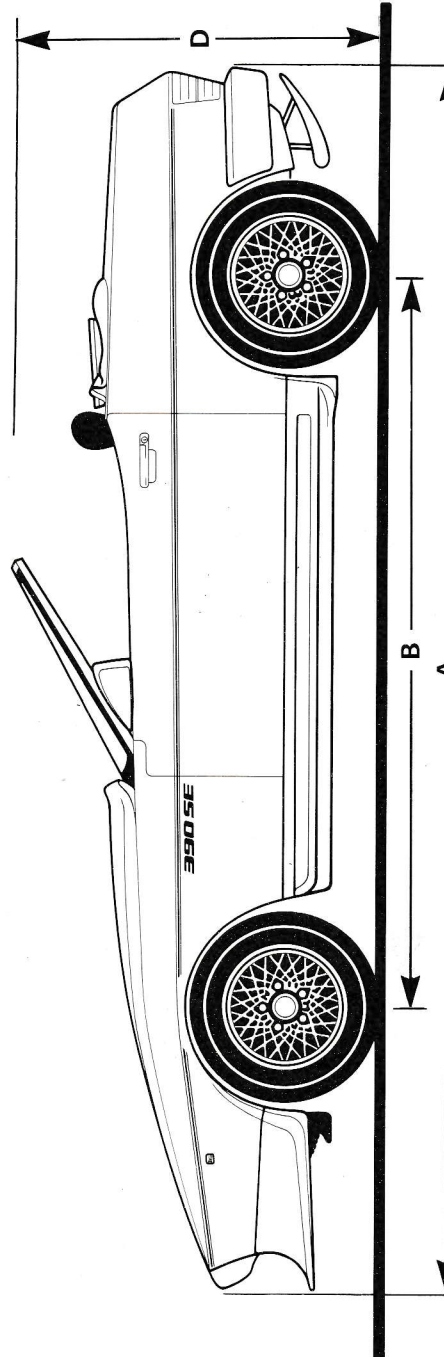
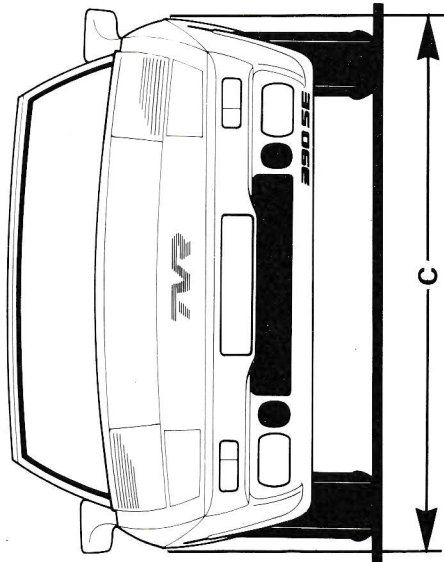
DIMENSIONS

	mm	in
Length overall	A 4013	158
Wheelbase	B 2387	94
Width overall	C 1728	68
Height overall	D 1205	47.5
Front track	1450	57.8
Rear track	1480	58.2
Ground clearance	152	6.0
Luggage capacity	0.225cu m	8 cu ft
Fuel capacity	61 litre	13.5 galls



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