

# **CONTENTS**

# 1996 to 2000 M.Y. ELISE

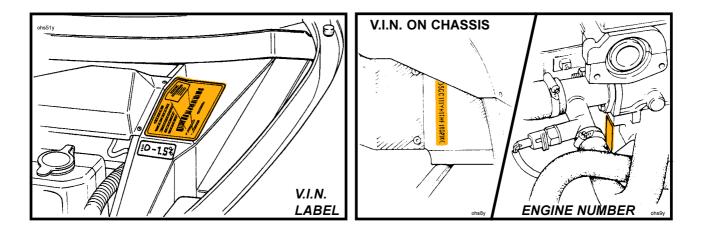
|   |                       | <u>Section</u> |
|---|-----------------------|----------------|
| Technical Data                                      | - Engine<br>- Vehicle | TDL<br>TDM     |
| Chassis   |                       | AF             |
| Bodycare & Repair                                   |                       | BM             |
| Body Fittings                                       |                       | BN             |
| Front Suspension                                    |                       | CG             |
| Rear Suspension                                     |                       | DE             |
| Engine (inc. Rover publication RCL 0057ENG)         |                       | EE             |
| Engine Management                                   |                       | EMN            |
| Transmission (inc. Rover publication RCL 0124ENG)   |                       | FH             |
| Wheels & Tyres                                      |                       | GF             |
| Steering  |                       | HE             |
| Brakes  |                       | JH             |
| Engine Cooling                                      |                       | KF             |
| Fuel System   |                       | LH             |
| Electrics   |                       | MN             |
| Maintenance & Lubrication                           |                       | OG             |
| Heating & Ventilation                               |                       | PF             |
| Air Conditioning, Heating & Ventilation (2000 M.Y.) |                       | PH             |
| Clutch  |                       | QF             |
| Motorsport  |                       | ХА             |
| 340R Supplement                                     |                       | 340R           |
| Exige Supplement                                    |                       | Exige          |
|   |                       |                |



## VEHICLE IDENTIFICATION NUMBER & ENGINE NUMBER

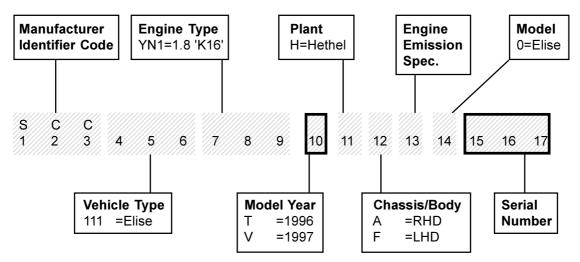
The Vehicle Identification Number (V.I.N.) is stamped on the chassis in the right hand rear wheelarch area, and is also printed on a label stuck to the body in the front services compartment. The engine number is marked on a vertical patch at the left hand end of the forward face of the cylinder block, and is most easily viewed using a mirror.

Both numbers should always be quoted with any vehicle enquiries, as Factory records are filed against V.I.N., and specification change points are identified by V.I.N. or engine number. The vehicle licence number may not accurately reflect vehicle age, may also be changed during the car's life, and is an unreliable method of vehicle identification.

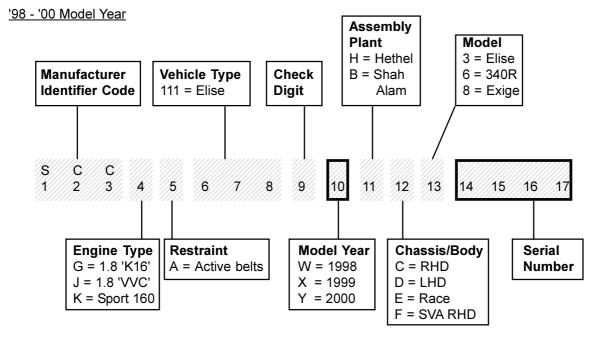


The V.I.N. comprises 17 characters, coded in accordance with European Economic Community (EEC) directives. Note that the coding of the V.I.N. changed with the introduction of '98 M.Y. Prior to 2000 model year, a single serial number sequence was used, but was restarted at 0001 for 2000 M.Y. Exige models used a separate serial number sequence. In general, change points will be identified in Service Notes and Service Parts Lists by characters 10 (model year) and 14 - 17 (serial number).

<u>'96 & '97 Model Year</u>



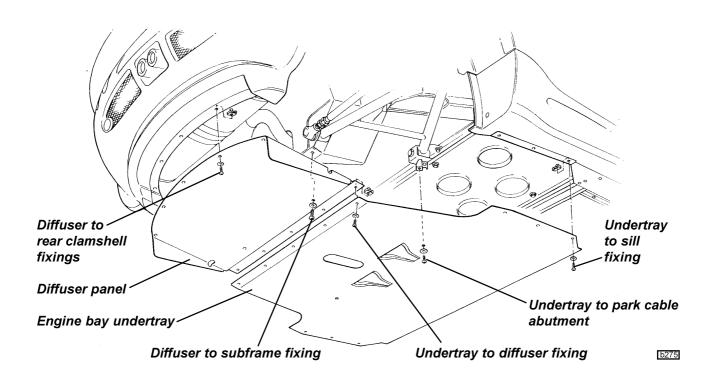




## ENGINE BAY UNDERTRAY/DIFFUSER

For certain service operations, it may by necessary to remove the engine bay undertray and/or diffuser panel. The panels are retained by:

- Four M8 button head fixings needing a 5mm hexagonal key;
- Fourteen M5 crosshead screws.



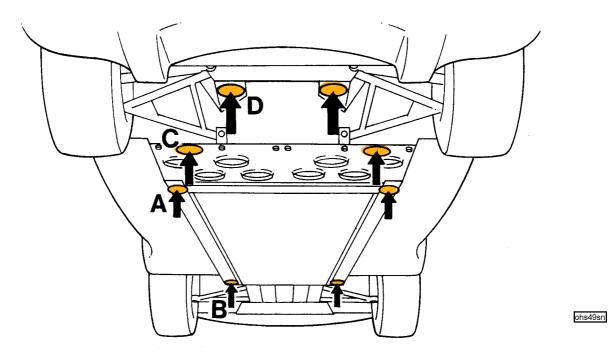


## JACKING POINTS

Care must be taken when using a lifting jack or hoist only to position the device in one of the the areas shown in the illustration, with a suitable rubber or timber pad protecting the chassis from surface damage. If a 4-point lift is to be used, the engine bay undertray/diffuser panel (if fitted) must first be removed. When using a 4-point lift, it is strongly recommended that for optimum stability and safety, positions B and D are used.

- A; Identified by a blue sticker. Beneath crossmember ahead of fuel tank bay. To be used one side at a time for wheel changing lifts both wheels on one side. *Do not use with a four point garage lift.*
- B; Beneath the front end of the right or left hand main chassis rail, behind the front wheelarch. Garage use with 4-point lift in conjunction with (C).
- C; The engine undertray/diffuser panel must first be removed. Beneath the outboard end of the chassis crossmember ahead of the rear wheelarches. Take care to position the jack between the fixing screws for the fuel tank bay perforated undershield. Garage use with 4-point lift in conjuction with (B).
- D; The engine undertray/diffuser panel must first be removed. Beneath the rear subframe, close to the lower wishbone rearmost mountings.

## Jacking at any other point may damage the chassis or body structure and/or jeopardise safety.





#### **ELISE MODEL HISTORY**

#### Model Introduction: June '96

VIN: T 0017 onwards

## 1997 Model Year: November '96

VIN: V 240 onwards No specification change.

## **Uprated Starter Motor: February '97**

VIN: V 685

Starter motor uprated from 1.0 kW to 1.4 kW and engine management fuse relocated from rear to front services compartment.

#### Commonisation of a.c. type chassis: September '97

VIN: V 1685 (approx.) Plus; 1672, 1673, 1677, 1682. Less; 1694, 1708.

Shape of chassis, rear side of fuel tank crossmember, changed to accommodate a.c. compressor. Low level engine coolant outlet pipe. Re-circ. ventililation holes in chassis toe-board.

#### 1998 Model Year: October '97

VIN: W 1814 onwards.

No specification change.

## Revised Harness & Main Fusebox: October '97

VIN: W 1941 onwards. Plus; 1920, 1926, 1937, 1938. Less; 1965, 2002.

New harness introduced to accommodate optional U.K. market Cobra 6422 alarm. New main fusebox with 22 'Littel' fuses in front luggage compartment.

## Optional U.K. Market Cobra 6422 Alarm: October '97

VIN: W 1947 onwards. Plus 1937, 1938.

Option upgraded from Cobra 6019HF to 6422. Facility to reprogramme transmitter keys. Override switch deleted.

#### Front Brake Disc Shields: December '97

VIN: W 2260 (approx.)

Alloy shield fitted on inboard side of front discs to protect from debris and balance pad life.

#### **Revised Soft Top Cant Rails: May '98**

VIN: W 3332

Latches on rear end of roof cant rails use new dovetail design to improve location. Door seals changed to incorporate moulded front ends to mate with new cantrail front seals. New soft top canopy with press studs reposiitioned to suit new cant rails. Parts set required to fit hardtop roof.

#### Cast Iron Brakes: June '98

VIN: W 3714 (approx.) Cast iron brake discs and corresponding pads replace aluminium metal matrix brakes.

#### Integral Boot Box: September '98

VIN: W 4429 (approx.) Plus; 4140, 4315, 4365, 4383. Less 4653. Rear clamshell incorporates integral luggage compartment box to replace luggage bag.

## 1999 Model Year: November '98

VIN: X 4976 onwards. No specification change.



#### 135 Sport: November '98

VIN: X 5401 - 5450, 6001 - 6035.

135 bhp cylinder head; Close ratio gearbox; Sports exhaust; Competition style seats; Sports steering wheel; Drilled iron brake discs; Quicksilver paint with blue soft top; Headlamp covers; Body graphics; Silver roll over bar. 2nd batch variations: 111S wheels, tyres & spats; black painted fuel filler cap; matt finish alloy gear knob; Sport 135 99 side decals.

#### Integral Stud Toe-Link Ball Joints: December '98

## VIN: X 5479

Rear suspension toe-link ball joint design changes to incorporate integral M10 stud.

#### 50th Anniversary Elise: January '99

VIN: X 5463 - 5816 (total 51)

Anniversary green with gold wheels, green/rafia leather seats, 'Elise' floor mats, gold decals, Anniversary decal on rear transom.

## Angled Rear Window: January '99

VIN: X 5558

Rear window mounted in angled surround to reduce reflections.

#### Elise 111S: January '99

VIN: X 5722

VVC engine & close ratio transmission. Revised muffler & tailpipes. Cross-drilled iron discs. Lotus styled 6spoke road wheels, 7.5" rear rims with 225/45 ZR16 rear P Zeros. Optional rear spoiler extension. Acrylic headlamp covers & smoke front indicator lenses. Composite engine lid, rear wheelarch spats, '111S' decal on rear body & fascia, moulded air intake grille. Forged alloy window winders, weave patterned dash inserts, revised seat foams & stitching.

#### Elise 'JPS': July '99

Available based on either standard or 111S versions. Black body colour. All cars have gold painted grilles as follows; radiator air intake, radiator outlet, engine lid outlet, rear clamshell recess, engine bay intake. All cars have gold painted 111S type road wheels, black and gold Alcantara steering wheel, gold painted dash insert panels, 111S type black leather seats with gold Alcantara centres, gold decals on rear body and dash, black & gold nose badge, Union Flag decal on rear. Standard versions also have headlamp covers and rear wheelarch spats.

### Elise 'Type 49': October '99

Available based on either standard or 111S versions. Two tone red/white body colour. All cars have gold painted 111S type road wheels, black and red Alcantara steering wheel, 111S type black leather seats with red Alcantara centres, gold decals. Standard versions also have headlamp covers and rear wheelarch spats.

#### Elise 'Millenium': October '99

Available based on either standard or 111S versions. Atlantis Blue body colour. All cars have blue Alcantara steering wheel pad and sill trim panels, 111S type black leather seats with blue Alcantara centres. Standard versions also have 111S type road wheels, rear wheelarch spats and headlamp covers. Cars were usually supplied with a range of dealer fitted Lotus accessories.

#### Forged Steel Rear Hub Carriers: November '99

VIN: X 8177 (approx.)

New design forged steel rear hub carrier replaces extruded alloy carrier, and incorporates caliper mounting plate, and lower ball joint carrier.

#### Elise 340R: January '00

VIN: Y 0004 to 0009, 9640 onwards.

Limited edition of 340. Extreme lightweight version of the Elise, based on modified standard chassis fitted with minimalist bodywork and a detuned, road going version of the VHPD powertrain. See 340R supple-

ment for full specification. **Sport 160: February '00** SVA: VIN: Y 0601 to 0650.

WVTA: VIN: Y 0651 onwards.

First 50 cars with Single Vehicle Approval. Subsequent cars Whole Vehicle Type Approved. High performance derivative, based on 111S specification with 160 PS fixed valve timing engine. WVTA versions require airbox modification and sport exhaust fitment for full power release. Other features include new engine controller, sport suspension, 'race' wheels, plinth mounted rear aerofoil, Alcantara trimmed seats and steering wheel pad, body decals.

## Exige: July '00

VIN: Y 0001 (Character 13 = 8) - model specific serial number sequence.

Road going version of the Elise race series car, with 178 bhp 340R engine, close ratio transmission, sport suspension and larger 12-spoke black finish wheels (16x7 & 17x8.5) with Yokohama A039 tyres. Front and rear clamshells styled as race car with piller mounted rear aerofoil. Clear polycarbonate rear tailgate with air ducting, linked to roof mounted air intake duct. Optional Alcantara sports seats and 340R harnesses. Meta security system. Roof duct mounted radio aerial.





