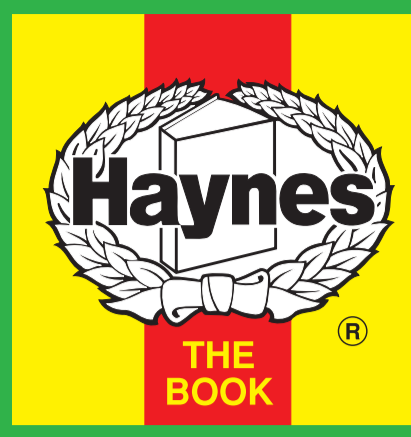


| | | | | | | | |
|------------------|------|----------|------------|--------------|-----------------|------------|-----------------------|
| Engine & Cooling | Fuel | Ignition | Electrical | Running gear | Torque settings | Capacities | Notes & Illustrations |
|------------------|------|----------|------------|--------------|-----------------|------------|-----------------------|



Automotive Technical DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling system 340, 1.4 & CAT 1984 to 1991

| | | |
|---|-------------------------------|----------------------|
| Type | B14.4E / 4S. 51/52kW. CAT: 50 | |
| Capacity (cm ³) / number of cylinders | 1397 / 4 | |
| Compression ratio / pressure | bar | 9.3 / ≥11.8 |
| Oil pressure | bar | [3.0 to 4.4] |
| Oil temperature | °C | – |
| Valve clearance - inlet | mm | 0.15 |
| - exhaust | mm | 0.20 |
| Firing order | 1-3-4-2 | |
| No 1 cylinder position | FE | |
| Thermostat opening temperature | °C | 86 to 89 or 89 to 92 |
| Radiator cap pressure | bar | 0.74 |

Fuel system 340, 1.4 & CAT 1984 to 1991

| | | |
|---|-------------------------------------|-------------------------------|
| Idle speed - manual [auto] | rpm | 900±50 [800±50] |
| Fast idle speed - manual [auto] | rpm | – |
| CO @ idle speed [3000 rpm] - see page VI | % | 2.0-0.5+1.0. CAT: 2.5-0.5+1.0 |
| HC @ idle speed [3000 rpm] - see page VI | ppm | ≤300 |
| CO ₂ @ idle speed [3000 rpm] - see page VI | % | – |
| O ₂ @ idle speed [3000 rpm] - see page VI | % | – |
| Carburettor / fuel injection | Weber | |
| Type / ref | 32 DIR | |
| Main jet / needle | 120 to 125, 135 to 140 ¹ | |
| Injection pressure | bar | – |
| Pump pressure | bar | 0.16 to 0.26 |
| Octane rating | RON | 96[E 98 RON] ² |

Ignition system 340, 1.4 & CAT 1984 to 1991

| | | |
|---------------------------------|--------------------|--------------------|
| Type | AEI | |
| Ignition coil | Renix | |
| Primary resistance | ohms | 0.4 to 0.8 |
| Ballast resistor | ohms | – |
| Voltage - Tmnl 15(+) to earth | V | – |
| Distributor | Ducellier/Renix | |
| Points gap (air gap) | mm | – |
| Dwell angle | ° (%) | Electronic control |
| Condenser capacity | µF | – |
| Rotation | Clockwise | |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 6±2 BTDC @ idle |
| V = Vacuum NV = No Vacuum | NV | |
| Total ignition advance | ° Crankshaft @ rpm | 20±3 @ 2500 |
| | ° Crankshaft @ rpm | – |
| | ° Crankshaft @ rpm | – |
| Centrifugal check. | ° Crankshaft @ rpm | Computer control |
| | ° Crankshaft @ rpm | – |
| | ° Crankshaft @ rpm | – |
| Vacuum range check | mbar | Computer control |
| Maximum vacuum advance | ° Crankshaft | – |
| Spark plugs | Bosch/Champion | |
| Type | W8DC / N9YC | |
| Electrode gap | mm | 0.55 to 0.65 |

Electrical system 340, 1.4 & CAT 1984 to 1991

| | | |
|---|--------------------------|-------------------------|
| Battery | V / CC / RC | 12 / 36, 45Ah |
| Alternator voltage / full load current / engine rpm | 14.0 to 15.0 / 50 / 2500 | |
| Starter motor current / voltage - cranking | A / V | 200 to 230 / 9.0 to 9.2 |
| - locked | A / V | 350 to 400 / 6.0 |

Running gear 340, 1.4 & CAT 1984 to 1991

Brakes -

| | | |
|--|----|-----|
| Front (min. friction material thickness) | mm | 2.0 |
| Rear (min. friction material thickness) | mm | 2.0 |

Tyres

| | | |
|----------------------------------|------|-------------------|
| Saloon | Size | 155x13: 175/70x13 |
| Estate / Van | Size | – |
| Pressure - front / rear - Saloon | bar | 1.9 / 2.1 |
| - Estate / Van | bar | – |

Front suspension / wheel alignment

| | | |
|--------------------------|------------|----------|
| Toe-in (+) / Toe-out (-) | mm [°] | +4.0±1.0 |
| Camber | +30'+30"-0 | |
| Castor | +7°30'±30' | |
| King pin inclination | +9°35'±30' | |

Rear suspension / wheel alignment

| | | |
|--------------------------|---------|-------|
| Toe-in (+) / Toe-out (-) | mm [°] | 0±3.0 |
| Camber | -2°±30' | |

Torque wrench settings 340, 1.4 & CAT 1984 to 1991

| | | |
|-------------------------|----|---------------------------|
| Cylinder head - stage 1 | Nm | 27 |
| - stage 2 | Nm | 60 |
| - stage 3 | Nm | Warm engine, cool 6 hours |
| - stage 4 | Nm | - 90°, then 60 |
| Big-end bearings | Nm | 42 |
| Main bearings | Nm | 60 |
| Clutch cover | Nm | 23. Centrifugal: 20 |
| Flywheel [driveplate] | Nm | 53 N |
| Front hubs | Nm | 55, - 90° & lock |
| Rear hubs | Nm | 245 |
| Wheel nuts / bolts | Nm | 115 |
| Spark plugs | Nm | 18 |

Capacities 340, 1.4 & CAT 1984 to 1991

| | | |
|---------------------------------|--------|-------------------------|
| Engine oil & filter | litres | 4.0 |
| Gearbox - 4-speed [5-speed] | litres | 2.2 ³ |
| Automatic transmission - refill | litres | Primary:0.6. Second:1.0 |
| Final drive | litres | 1.4 |
| Cooling system | litres | 5.2. 85 ▶: 6.5 |
| Fuel tank | litres | 45 |

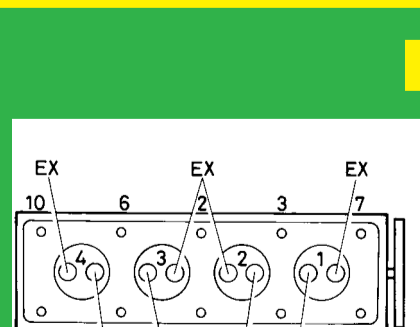
Notes and Illustrations

¹Alternative type: 122 to 127, 135 to 140

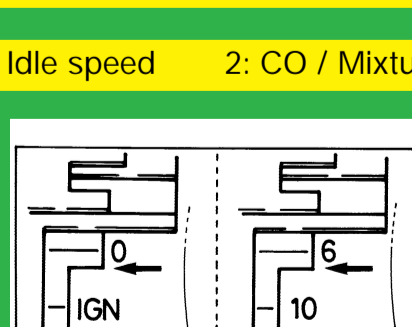
²87 ▶: [E 95 RON]. CAT: [U]

³M47R: front plug: 3.3. Front plug 85 ▶: 2.8

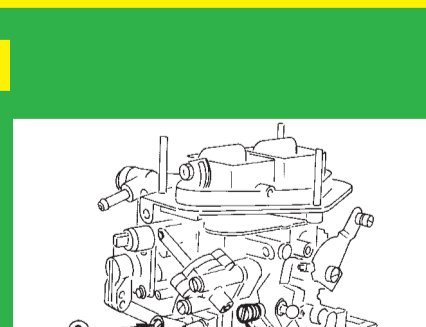
1: Idle speed 2: CO / Mixture



1397 cm³



1397 cm³



Weber 32 DIR