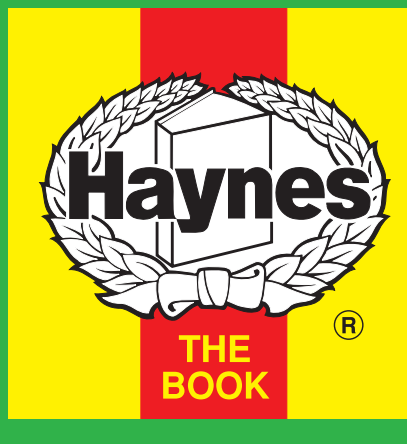


|                  |      |          |            |              |                 |            |                       |
|------------------|------|----------|------------|--------------|-----------------|------------|-----------------------|
| Engine & Cooling | Fuel | Ignition | Electrical | Running 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

### 405, 1.9 SPI CAT

## 1991 to 1992

|                                                   |                   |           |
|---------------------------------------------------|-------------------|-----------|
| type                                              | XU9M/Z (DBZ) 80kW |           |
| Capacity (cm <sup>3</sup> ) / number of cylinders | 1905 / 4          |           |
| Compression ratio / pressure                      | bar               | 9.18 / -  |
| Oil pressure                                      | bar               | 2.1 [4.1] |
| Oil temperature                                   | °C                | 80        |
| Valve clearance - inlet                           | mm                | 0.20      |
| Valve clearance - exhaust                         | mm                | 0.40      |
| Firing order                                      | 1-3-4-2           |           |
| No 1 cylinder position                            | FE                |           |
| Thermostat opening temperature                    | °C                | 88        |
| Radiator cap pressure                             | bar               | 1.0       |

## Fuel system

#### 405. 1.9 SPI CAT

1991 to 1992

|                                                       |     |          |
|-------------------------------------------------------|-----|----------|
| Idle speed - manual [auto]                            | rpm | 850±50   |
| Fast idle speed - manual [auto]                       | rpm | —        |
| CO @ idle speed [3000 rpm] - see page VI              | %   | ≤0.5     |
| HC @ idle speed [3000 rpm] - see page VI              | ppm | ≤200     |
| CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI | %   | ≥10.0    |
| O <sub>2</sub> @ idle speed [3000 rpm] - see page VI  | %   | —        |
| Carburettor / fuel injection                          |     | Solex    |
| Type / ref                                            |     | Fenix 1B |
| Main jet / needle                                     |     | —        |
| Injection pressure                                    | bar | 0.80     |
| Pump pressure                                         | bar | —        |
| Octane rating                                         | RON | 95[11]   |

## Ignition system

**405, 1.9 SPI CAT**

## 1991 to 1992

| Type                                               | AEI              |
|----------------------------------------------------|------------------|
| Ignition coil                                      | Bosch            |
| Primary resistance ohms                            | 0.7              |
| Ballast resistor ohms                              | —                |
| Voltage - Tmnl 15(+) to earth V                    | —                |
| Distributor                                        | —                |
| Points gap (air gap) mm                            | —                |
| Dwell angle ° (%)                                  | —                |
| Condenser capacity µF                              | —                |
| Rotation                                           | Anticlockwise    |
| Ignition timing - basic [static ° Crankshaft @ rpm | Computer control |
| V = Vacuum NV = No Vacuum                          | —                |
| Total ignition advance ° Crankshaft @ rpm          | —                |
| ° 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                                        | Eyquem/Champion  |
| Type                                               | RFC52LS / C9YCX  |
| Electrode gap mm                                   | 0.80±0.05        |

## Electrical system

**405, 1.9 SPI CAT**

## 1991 to 1992

|                                                     |             |                         |
|-----------------------------------------------------|-------------|-------------------------|
| Battery                                             | V / CC / RC | 12 / 250 / 33           |
| Alternator voltage / full load current / engine rpm |             | 13.8 to 14.8 / _ / 3000 |
| Starter motor current / voltage - cranking          | A / V       | —                       |
|                                                     | A / V       |                         |

## Running gear

405 1 9 SPI CAT

1991 to 1992

## Broken

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

## Tyros

|                                        |      |           |
|----------------------------------------|------|-----------|
| Saloon                                 | Size | 185/65x14 |
| Estate / Van                           | Size | 185/65x14 |
| Pressure - front / rear - Saloon       | bar  | 2.0 / 2.0 |
| Pressure - front / rear - Estate / Van | bar  | 2.1 / 2.0 |

**Front suspension / wheel alignment**

|                                    |        |                                          |
|------------------------------------|--------|------------------------------------------|
| Front suspension / wheel alignment |        |                                          |
| Toe-in (+) / Toe-out (-)           | mm [°] | +1.0±0.5 PW                              |
| Camber                             |        | 0±30'                                    |
| Castor                             |        | +2°25'±30'. Est.:+1°40'±30' <sup>1</sup> |
| King pin inclination               |        | +11°25'±30'                              |

## Rear suspension / wheel alignment

|                          |        |                          |
|--------------------------|--------|--------------------------|
| Toe-in (+) / Toe-out (-) | mm [°] | +2.5±0.8 PW <sup>2</sup> |
| Camber                   |        | -1°20'±30'               |

## Torque wrench settings

105 1.0 SPIL CAT

1991 to 1993

| Torque wrench settings  |    | 405, 1.9 SPI CAT | 1991 to 1992 |
|-------------------------|----|------------------|--------------|
| Cylinder head - stage 1 | Nm | 60               |              |
| - stage 2               | Nm | Slacken          |              |
| Cylinder head - stage 3 | Nm | 20               |              |
| - stage 4               | Nm | + 300°           |              |
| Big-end bearings        | Nm | 40 <sup>3</sup>  |              |
| Main bearings           | Nm | 49               |              |
| Clutch cover            | Nm | 25               |              |
| Flywheel [driveplate]   | Nm | 49 LkC           |              |
| Front hubs              | Nm | 265              |              |
| Rear hubs               | Nm | 275              |              |
| Wheel nuts / bolts      | Nm | 85               |              |
| Spark plugs             | Nm | 27               |              |

## Capacities

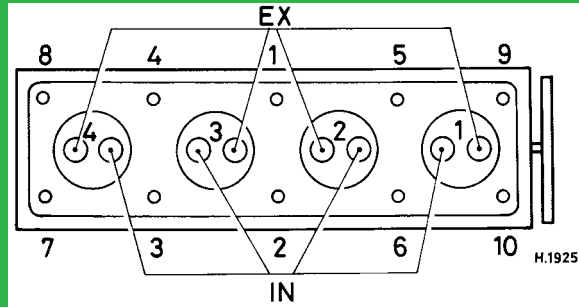
#### 405. 1.9 SPI CAT

1991 to 1992

| Supplies                        |        | 199, 210 cc CAT | 1991 to 1992 |
|---------------------------------|--------|-----------------|--------------|
| Engine oil & filter             | litres | 5.0             |              |
| Gearbox - 4-speed [5-speed]     | litres | 2.0             |              |
| Automatic transmission - refill | litres | —               |              |
| Final drive                     | litres | WT              |              |
| Cooling system                  | litres | 6.6             |              |
| Fuel tank                       | litres | 70              |              |

## Notes and Illustrations

<sup>1</sup>PAS: +3°10'+30' Est: +2°25'+30'

<sup>2</sup>Fctctc: 11.4±0.8<sup>2</sup>Estate: +1.4±0.8

**1905 cm<sup>3</sup>, 8V**