

| | | | | | | | |
|------------------|------|----------|------------|--------------|-----------------|------------|-----------------------|
| 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 Galaxy 2.8 & 4x4 1995 to 1997

| | | |
|---|-----------------|------------------|
| Type | AAA. VR6. 128kW | |
| Capacity (cm ³) / number of cylinders | 2792 / 6 | |
| Compression ratio / pressure | bar | 10.0 / ≥7.5 |
| Oil pressure | bar | 0.8 [3.8 @ 2000] |
| Oil temperature | °C | 80 |
| Valve clearance - inlet | mm | 0: Hyd. |
| Valve clearance - exhaust | mm | 0: Hyd. |
| Firing order | 1-5-3-6-2-4 | |
| No 1 cylinder position | TCE | |
| Thermostat opening temperature | °C | — |
| Radiator cap pressure | bar | — |

Fuel system Galaxy 2.8 & 4x4 1995 to 1997

| | | |
|---|-----------------|------------------|
| Idle speed - manual [auto] | rpm | 650 to 750 N/A |
| Fast idle speed - manual [auto] | rpm | 2500 to 2800 N/A |
| CO @ idle speed [3000 rpm] - see page VI | % | ≤0.5 |
| HC @ idle speed [3000 rpm] - see page VI | ppm | ≤200 |
| CO ₂ @ idle speed [3000 rpm] - see page VI | % | — |
| O ₂ @ idle speed [3000 rpm] - see page VI | % | — |
| Carburettor / fuel injection | _ Bosch | |
| Type / ref | M3.8.1-Motronic | |
| Main jet / needle | — | |
| Injection pressure | bar | 2.5 |
| Pump pressure | bar | 3.0 |
| Octane rating | RON | 95[U] |

Ignition system Galaxy 2.8 & 4x4 1995 to 1997

| | | |
|---------------------------------|--------------------|-------------------------|
| Type | Motronic | |
| Ignition coil | N152 | |
| Primary resistance | ohms | 1.5 |
| Ballast resistor | ohms | — |
| Voltage - Tmnl 15(+) to earth | V | — |
| Distributor | — | |
| Points gap (air gap) | mm | — |
| Dwell angle | ° (%) | — |
| Condenser capacity | µF | — |
| Rotation | — | |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 4 to 8° BTDC @ Idle N/A |
| V = Vacuum NV = No Vacuum | — | |
| Total ignition advance | ° Crankshaft @ rpm | Computer control |
| | ° 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 | NGK | |
| Type | BKR5EKUP | |
| Electrode gap | mm | 0.70 |

Electrical system Galaxy 2.8 & 4x4 1995 to 1997

| | | |
|---|-------------|---|
| Battery | V / CC / RC | — |
| Alternator voltage / full load current / engine rpm | — | |
| Starter motor current / voltage - cranking | A / V | — |
| - locked | A / V | — |

Running gear Galaxy 2.8 & 4x4 1995 to 1997

| | | |
|--|----|-----|
| Brakes - | | |
| Front (min. friction material thickness) | mm | 7.0 |
| Rear (min. friction material thickness) | mm | 7.0 |

| | | |
|----------------------------------|------|---------------------------|
| Tyres | | |
| Saloon | Size | — |
| Estate / Van | Size | 205/60x15: 215/60x15 |
| Pressure - front / rear - Saloon | bar | — |
| - Estate / Van | bar | 2.7 / 2.5. 215: 2.3 / 2.1 |

Front suspension / wheel alignment

| | | |
|--------------------------|--------|-----------|
| Toe-in (+) / Toe-out (-) | mm [°] | +10'± 20' |
| Camber | | -20'±45' |
| Castor | | 3°20'±40' |
| King pin inclination | — | |

Rear suspension / wheel alignment

| | | |
|--------------------------|--------|----------|
| Toe-in (+) / Toe-out (-) | mm [°] | 0±25' |
| Camber | | -20'±30' |

Torque wrench settings Galaxy 2.8 & 4x4 1995 to 1997

| | | |
|-------------------------|----|---------------------|
| Cylinder head - stage 1 | Nm | 40 |
| - stage 2 | Nm | 60 |
| Cylinder head - stage 3 | Nm | + 90° |
| - stage 4 | Nm | + 90° |
| Big-end bearings | Nm | 30 + 90° |
| Main bearings | Nm | 30 + 180° N |
| Clutch cover | Nm | 30 |
| Flywheel [driveplate] | Nm | 60 + 90° N |
| Front hubs | Nm | 150 + 90° |
| Rear hubs | Nm | 200. 4x4: 150 + 90° |
| Wheel nuts / bolts | Nm | 140 |
| Spark plugs | Nm | 25 |

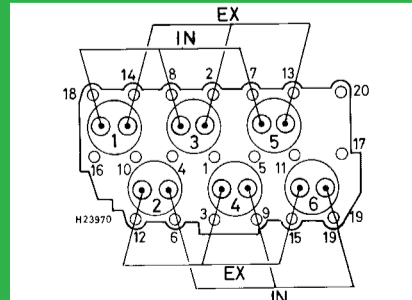
Capacities Galaxy 2.8 & 4x4 1995 to 1997

| | | |
|---------------------------------|--------|-----------------------------------|
| Engine oil & filter | litres | 5.5 |
| Gearbox - 4-speed [5-speed] | litres | 2.0. Transfer box: 1.8 |
| Automatic transmission - refill | litres | 3.5. Transfer box: 1.8 |
| Final drive | litres | WT. AT: 0.8 ² |
| Cooling system | litres | 9.0. 2 heaters: 10.8 ¹ |
| Fuel tank | litres | 70 |

Notes and Illustrations

¹AT: 9.2, 2 heaters: 11.0. Aux. heater: 11.4, AT: 11.7

²AT 4x4: 1.41. 4x4 rear: 1.0



2792 cm³