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HELP

Engine and cooling system Micra 1.3i CAT (K11) 1993 to 1997

| | | |
|---|-----|----------------------|
| Type | | CG13DE DOHC 16V 55kW |
| Capacity (cm ³) / number of cylinders | | 1275 / 4 |
| Compression ratio / pressure | bar | 9.5 / ≥11.3 |
| Oil pressure | bar | [2.9] |
| Oil temperature | °C | – |
| Valve clearance - inlet | mm | 0.33 to 0.41 H |
| Valve clearance - exhaust | mm | 0.36 to 0.44 H |
| Firing order | | 1-3-4-2 |
| No 1 cylinder position | | TCE |
| Thermostat opening temperature | °C | 88 |
| Radiator cap pressure | bar | 0.88 |

Fuel system Micra 1.3i CAT (K11) 1993 to 1997

| | | |
|---|-----|-----------------|
| Idle speed - manual [auto] | rpm | 650±50 [750±50] |
| Fast idle speed - manual [auto] | rpm | – |
| CO @ idle speed [3000 rpm] - see page VI | % | ≤0.1 N/A |
| 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 | | Nissan |
| Type / ref | | ECCS MPI |
| Main jet / needle | | – |
| Injection pressure | bar | 2.5 |
| Pump pressure | bar | 3.0 |
| Octane rating | RON | 95[U] |

Ignition system Micra 1.3i CAT (K11) 1993 to 1997

| | | |
|---------------------------------|--------------------|---------------------------|
| Type | | Electronic |
| Ignition coil | | – |
| Primary resistance | ohms | 0.8 |
| Ballast resistor | ohms | – |
| Voltage - Tmnl 15(+) to earth | V | – |
| Distributor | | Hitachi |
| Points gap (air gap) | mm | [0.30 to 0.45] |
| Dwell angle | ° (%) | – |
| Condenser capacity | µF | – |
| Rotation | | Anticlockwise |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 15±2 BTDC @ 650 [AT: 750] |
| 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/Champion |
| Type | | BKR5E-11 / RC9YCC4 |
| Electrode gap | mm | 1.00 to 1.10 |

Electrical system Micra 1.3i CAT (K11) 1993 to 1997

| | | |
|---|-------------|--------------------------|
| Battery | V / CC / RC | 12 / 36Ah |
| Alternator voltage / full load current / engine rpm | | 14.1 to 14.7 / 65 / 2500 |
| Starter motor current / voltage - cranking | A / V | – |
| - locked | A / V | – |

Running gear Micra 1.3i CAT (K11) 1993 to 1997

| | | |
|--|----|-----|
| Brakes - | | |
| Front (min. friction material thickness) | mm | 2.0 |
| Rear (min. friction material thickness) | mm | 1.5 |

| | | |
|----------------------------------|------|----------------------|
| Tyres | | |
| Saloon | Size | 155/70x13: 175/60x13 |
| Estate / Van | Size | – |
| Pressure - front / rear - Saloon | bar | 2.2 / 1.9 |
| - Estate / Van | bar | – |

Front suspension / wheel alignment

| | | |
|--------------------------|--------|-------------------|
| Toe-in (+) / Toe-out (-) | mm [°] | -0.5 to +1.5 |
| Camber | | -22' to 1°8' N/A |
| Castor | | 1°34' to 3°4' N/A |
| King pin inclination | | 11°47' to 13°17' |

Rear suspension / wheel alignment

| | | |
|--------------------------|--------|------------------|
| Toe-in (+) / Toe-out (-) | mm [°] | -0.5 to +1.5 N/A |
| Camber | | -22' to 1°8' N/A |

Torque wrench settings Micra 1.3i CAT (K11) 1993 to 1997

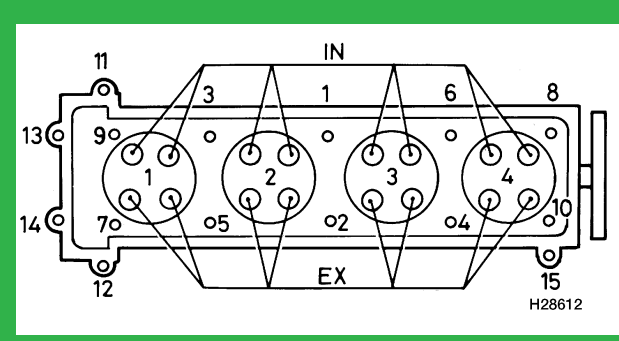
| | | |
|-------------------------|----|------------------------|
| Cylinder head - stage 1 | Nm | 39 |
| - stage 2 | Nm | 78 |
| Cylinder head - stage 3 | Nm | slacken, 35 |
| - stage 4 | Nm | +60 to 65 ¹ |
| Big-end bearings | Nm | 14 to 16 +45 to 50° |
| Main bearings | Nm | 25 to 30 +60 to 65° |
| Clutch cover | Nm | 22 to 29 |
| Flywheel [driveplate] | Nm | 83 to 93 |
| Front hubs | Nm | 148 to 205 |
| Rear hubs | Nm | 186 to 255 |
| Wheel nuts / bolts | Nm | 98 to 118 |
| Spark plugs | Nm | 20 to 29 |

Capacities Micra 1.3i CAT (K11) 1993 to 1997

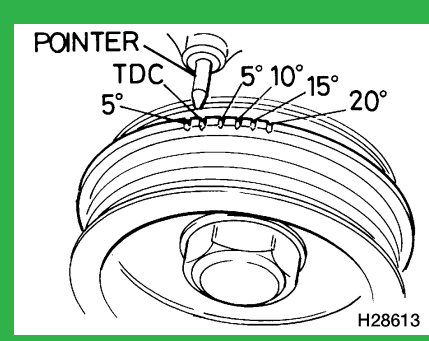
| | | |
|---------------------------------|--------|------------|
| Engine oil & filter | litres | 3.0 |
| Gearbox - 4-speed [5-speed] | litres | 2.8 to 3.0 |
| Automatic transmission - refill | litres | 3.2 |
| Final drive | litres | WT |
| Cooling system | litres | 4.0 |
| Fuel tank | litres | 50 |

Notes and Illustrations

¹Bolts 11 to 15: 6.3 to 8.3



1275 cm³, DOHC 16V



1275 cm³, DOHC 16V