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HELP

Engine and cooling system Corsa-B & Combo 1.2i 1993 to 1997

| | | |
|---|-----|-----------------------------|
| Type | | C12NZ SOHC. 33kW 91/441/EEC |
| Capacity (cm ³) / number of cylinders | | 1196 / 4 |
| Compression ratio / pressure | bar | 9.1 / _ |
| Oil pressure | bar | 1.5 |
| Oil temperature | °C | ≥80 |
| Valve clearance - inlet | mm | 0: Hyd. |
| Valve clearance - exhaust | mm | 0: Hyd. |
| Firing order | | 1-3-4-2 |
| No 1 cylinder position | | TBE |
| Thermostat opening temperature | °C | 88 to 106 |
| Radiator cap pressure | bar | 1.2 to 1.4 |

Fuel system Corsa-B & Combo 1.2i 1993 to 1997

| | | |
|---|-----|-----------------|
| Idle speed - manual [auto] | rpm | 840 to 1000 N/A |
| Fast idle speed - manual [auto] | rpm | _ |
| CO @ idle speed [3000 rpm] - see page VI | % | 1.5±0.5 WSM |
| 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 | | GM |
| Type / ref | | Multec-ZE CFI |
| Main jet / needle | | _ |
| Injection pressure | bar | 0.76 |
| Pump pressure | bar | _ |
| Octane rating | RON | 95[U] |

Ignition system Corsa-B & Combo 1.2i 1993 to 1997

| | | |
|---------------------------------|--------------------|---------------------------|
| Type | | Multec-MSTS-h |
| Ignition coil | | Delco |
| Primary resistance | ohms | 0.43 |
| Ballast resistor | ohms | _ |
| Voltage - Tmnl 15(+) to earth | V | _ |
| Distributor | | _ |
| Points gap (air gap) | mm | _ |
| Dwell angle | ° (%) | Electronic control |
| Condenser capacity | µF | _ |
| Rotation | | Anticlockwise |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 10 BTDC @ 840 to 1000 N/A |
| V = Vacuum NV = No Vacuum | | NV |
| 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 | | Bosch/Champion |
| Type | | WR8DC / RN7YC |
| Electrode gap | mm | 0.70 to 0.80 |

Electrical system Corsa-B & Combo 1.2i 1993 to 1997

| | | |
|---|-------------|-------------------------------|
| Battery | V / CC / RC | 12 / 180 / 36Ah or / 210 / 44 |
| Alternator voltage / full load current / engine rpm | | 14.7±0.5 / 55 / 3500 |
| Starter motor current / voltage - cranking | A / V | 70 / 11.5 (no load) |
| - locked | A / V | 450 to 650 / 5.6 |

Running gear Corsa-B & Combo 1.2i 1993 to 1997

| | | |
|--|----|------------------|
| Brakes - | | |
| Front (min. friction material thickness) | mm | 7.0 with backing |
| Rear (min. friction material thickness) | mm | 0.5 above rivets |

| | | |
|----------------------------------|------|------------------------------|
| Tyres | | |
| Saloon | Size | 145x13: 165/70x13: 165/65x14 |
| Estate / Van | Size | Combo: 165/70x13 |
| Pressure - front / rear - Saloon | bar | 1.9 / 1.7 |
| - Estate / Van | bar | 1.9 / 1.9 |

Front suspension / wheel alignment

| | | |
|--------------------------|--------|-------------|
| Toe-in (+) / Toe-out (-) | mm [°] | +0.5±1.0 L |
| Camber | | -35'±45' L |
| Castor | | +1°50'±1° L |
| King pin inclination | | _ |

Rear suspension / wheel alignment

| | | |
|--------------------------|--------|--------------|
| Toe-in (+) / Toe-out (-) | mm [°] | +1.0+3.0-1.5 |
| Camber | | -1°30'±30' L |

Torque wrench settings Corsa-B & Combo 1.2i 1993 to 1997

| | | |
|-------------------------|----|-----------------|
| Cylinder head - stage 1 | Nm | 25 N |
| - stage 2 | Nm | + 60° |
| Cylinder head - stage 3 | Nm | + 60° |
| - stage 4 | Nm | + 60° |
| Big-end bearings | Nm | 25 ¹ |
| Main bearings | Nm | 50 +45° +15° N |
| Clutch cover | Nm | 15 |
| Flywheel [driveplate] | Nm | 35 +30° +15° N |
| Front hubs | Nm | WSM |
| Rear hubs | Nm | WSM |
| Wheel nuts / bolts | Nm | 110 |
| Spark plugs | Nm | 25 |

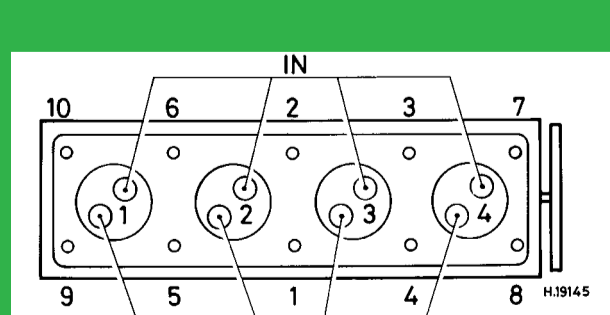
Capacities Corsa-B & Combo 1.2i 1993 to 1997

| | | |
|---------------------------------|--------|---------------|
| Engine oil & filter | litres | 3.5 |
| Gearbox - 4-speed [5-speed] | litres | 1.6 |
| Automatic transmission - refill | litres | _ |
| Final drive | litres | WT |
| Cooling system | litres | 5.9 |
| Fuel tank | litres | 46. Combo: 50 |

Notes and Illustrations

¹40mm bolt: 25 +30° N

²Van: 145/80x13: 165/70x13: 165/65x14: 2.1 / 1.9



1196 cm³