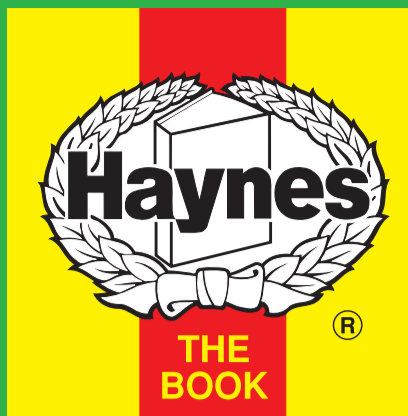


| | | | | | | | |
|------------------|------|----------|------------|--------------|-----------------|------------|-----------------------|
| Engine & Cooling | Fuel | Ignition | Electrical | Running gear | Torque settings | Capacities | Notes & Illustrations |
|------------------|------|----------|------------|--------------|-----------------|------------|-----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



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 Lite-Ace (KM36) 1986 to 1991

| | | |
|---|-----|--------------|
| Type | | 5K |
| Capacity (cm ³) / number of cylinders | | 1486 / 4 |
| Compression ratio / pressure | bar | 9.3 / ≥8.8 |
| Oil pressure | bar | [2.5 to 4.9] |
| Oil temperature | °C | 80 |
| Valve clearance - inlet | mm | 0.13 |
| - exhaust | mm | 0.23 |
| Firing order | | 1-3-4-2 |
| No 1 cylinder position | | TCE |
| Thermostat opening temperature | °C | 80 to 84 |
| Radiator cap pressure | bar | 0.74 to 1.03 |

Fuel system Lite-Ace (KM36) 1986 to 1991

| | | |
|---|-----|------------|
| Idle speed - manual [auto] | rpm | 750 |
| Fast idle speed - manual [auto] | rpm | 3200 |
| CO @ idle speed [3000 rpm] - see page VI | % | 1.0 to 2.0 |
| HC @ idle speed [3000 rpm] - see page VI | ppm | ≤1200 |
| CO ₂ @ idle speed [3000 rpm] - see page VI | % | — |
| O ₂ @ idle speed [3000 rpm] - see page VI | % | — |
| Carburettor / fuel injection | | Aisan |
| Type / ref | | 2V |
| Main jet / needle | | — |
| Injection pressure | bar | — |
| Pump pressure | bar | — |
| Octane rating | RON | 91[R] |

Ignition system Lite-Ace (KM36) 1986 to 1991

| | | |
|---------------------------------|--------------------|-----------------|
| Type | | Electronic |
| Ignition coil | | — |
| Primary resistance | ohms | 1.3 to 1.6 |
| Ballast resistor | ohms | — |
| Voltage - Tmnl 15(+) to earth | V | — |
| Distributor | | Nippon Denso |
| Points gap (air gap) | mm | [0.20 to 0.40] |
| Dwell angle | ° (%) | — |
| Condenser capacity | µF | — |
| Rotation | | — |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 5 BTDC @ idle |
| V = Vacuum NV = No Vacuum | | NV |
| Total ignition advance | ° Crankshaft @ rpm | — |
| ° Crankshaft @ rpm | | — |
| ° Crankshaft @ rpm | | — |
| Centrifugal check. | ° Crankshaft @ rpm | 0 @ 1500 |
| ° Crankshaft @ rpm | | 12 to 15 @ 3100 |
| ° Crankshaft @ rpm | | 20 to 23 @ 5000 |
| Vacuum range check | mbar | 107 to 480 |
| Maximum vacuum advance | ° Crankshaft | 11 to 13 |
| Spark plugs | | NGK/Champion |
| Type | | BPR5EY / RN9YC |
| Electrode gap | mm | 0.80 |

Electrical system Lite-Ace (KM36) 1986 to 1991

| | | |
|---|-------------|---------------------------|
| Battery | V / CC / RC | 12 / 36Ah |
| Alternator voltage / full load current / engine rpm | | 13.8 to 14.8 / _ / 3000 |
| Starter motor current / voltage - cranking | A / V | 50 to 55 / 11.0 (no load) |
| - locked | A / V | — |

Running gear Lite-Ace (KM36) 1986 to 1991

| | | |
|--|----|-----|
| Brakes - | | |
| Front (min. friction material thickness) | mm | 1.0 |
| Rear (min. friction material thickness) | mm | 1.0 |

| | | |
|----------------------------------|------|-----------|
| Tyres | | |
| Saloon | Size | — |
| Estate / Van | Size | 165x14 |
| Pressure - front / rear - Saloon | bar | — |
| - Estate / Van | bar | 2.7 / 2.7 |

Front suspension / wheel alignment

| | | |
|--------------------------|--------|------------|
| Toe-in (+) / Toe-out (-) | mm [°] | +1.0±1.0 |
| Camber | | -25'±30' |
| Castor | | +1°40'±30' |
| King pin inclination | | +10°5'±45' |

Rear suspension / wheel alignment

| | | |
|--------------------------|--------|---|
| Toe-in (+) / Toe-out (-) | mm [°] | — |
| Camber | | — |

Torque wrench settings Lite-Ace (KM36) 1986 to 1991

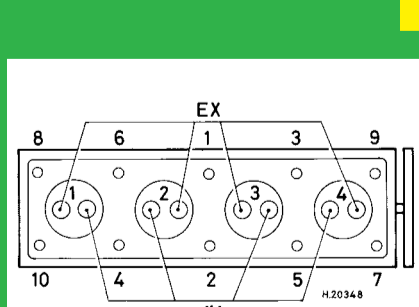
| | | |
|-------------------------|----|----------|
| Cylinder head - stage 1 | Nm | 14 |
| - stage 2 | Nm | 27 |
| - stage 3 | Nm | 54 to 64 |
| - stage 4 | Nm | — |
| Big-end bearings | Nm | 39 to 50 |
| Main bearings | Nm | 54 to 64 |
| Clutch cover | Nm | 19 |
| Flywheel [driveplate] | Nm | 54 to 64 |
| Front hubs | Nm | WSM |
| Rear hubs | Nm | — |
| Wheel nuts / bolts | Nm | 103 |
| Spark plugs | Nm | 15 to 20 |

Capacities Lite-Ace (KM36) 1986 to 1991

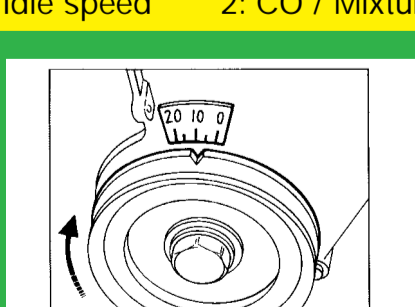
| | | |
|---------------------------------|--------|-----------|
| Engine oil & filter | litres | 3.4 |
| Gearbox - 4-speed [5-speed] | litres | 1.9 [2.2] |
| Automatic transmission - refill | litres | — |
| Final drive | litres | 1.3 |
| Cooling system | litres | 6.5 |
| Fuel tank | litres | 48 |

Notes and Illustrations

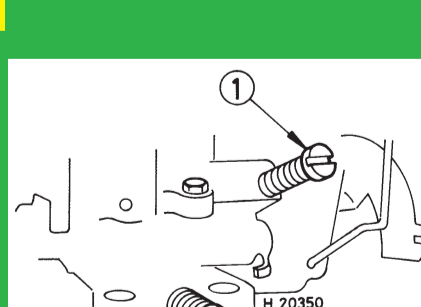
1: Idle speed 2: CO / Mixture



1486 cm³



1486 cm³



Aisan 2V