VAUXHALL/OPEL

Ignition

Fuel

Engine &

Cooling

Astra-F 1.4i 16V

Capacities

1996 to 1997

Notes &

Illustrations

Automotive Technical

Electrical

Running

gear

bar

bar $^{\circ}C$

mm

mm

°C

bar

rpm

rpm

%

%

%

Torque

settings

1389 / 4

10.5 /

0: Hyd.

0: Hyd. 1-3-4-2

1.20 to 1.50

820 to 890

≤0.3 N/A

≤200

GM

3.0

3.0

95[U]

Multec-DIS¹

Electronic control

Computer control

Computer control

Computer control N/A

Astra-F 1.4i 16V

Rochester Multec-S MPI

Astra-F 1.4i 16V

1.5

≥80

TBE

92

return to this screen and make another choice, click anywhere on the data screen. **MENU HELP** Astra-F 1.4i 16V 1996 to 1997 X14XE 16V 66kW 94/12/EC

Click on one of the buttons above to view data for this car. To

Oil temperature	
Valve clearance - inlet	
Valve clearance - exhaust	
Firing order	

Engine and cooling system

Capacity (cm3) / number of cylinders

Compression ratio / pressure

Oil pressure

Firing order

No 1 cylinder position Thermostat opening temperature Radiator cap pressure Fuel system

Idle speed - manual [auto] Fast idle speed - manual [auto] CO @ idle speed [3000 rpm] - see page VI HC @ idle speed [3000 rpm] - see page VI CO2 @ idle speed [3000 rpm] - see page VI O2 @ idle speed [3000 rpm] - see page VI

Carburettor / fuel injection Type / ref Main jet / needle Injection pressure Pump pressure Octane rating

Ignition system Type Ballast resistor

Ignition coil Primary resistance Dwell angle

Voltage - Tmnl 15(+) to earth Distributor Points gap (air gap) Condenser capacity Rotation Ignition timing - basic [static

V = Vacuum NV = No Vacuum Total ignition advance Centrifugal check. Vacuum range check

Maximum vacuum advance Spark plugs Type Electrode gap **Electrical system Battery**

Starter motor current / voltage - cranking Running gear Brakes -Front (min. friction material thickness) Rear (min. friction material thickness) **Tyres**

Saloon Estate / Van Pressure - front / rear - Saloon Front suspension / wheel alignment

Toe-in (+) / Toe-out (-) Camber Castor King pin inclination Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-) Camber Torque wrench settings

Cylinder head - stage 1 Cylinder head - stage 3 Big-end bearings

- stage 2

- stage 4

Notes and Illustrations

Main bearings Clutch cover

Flywheel [driveplate]

Front hubs Rear hubs Wheel nuts / bolts Spark plugs **Capacities**

Engine oil & filter Gearbox - 4-speed [5-speed] Automatic transmission - refill Final drive Cooling system Fuel tank

ppm

bar bar RON ohms

ohms ٧ mm ° (%) μF ° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm mbar

° Crankshaft

- Estate / Van

mm V / CC / RC Alternator voltage / full load current / engine rpm A/V A/V - locked

mm

mm

Size

Size

bar

bar

mm [°]

mm [°]

Nm

litres

litres

litres

litres

litres

litres

Computer control

NGK FR8LDC 0.70 to 0.80 Astra-F 1.4i 16V 12 / 36, 44Ah

Astra-F 1.4i 16V 7.0 with backing 0.5 above rivets 155x13: 175/70x13: 175/70x14

155x13: 175/70x13: 175/70x14 Refer to vehicle

Refer to vehicle

-2.5 to -0.5 L

-1°5′±45′ N/A $+2^{\circ}15'\pm1^{\circ}N/A^{3}$

-1.0 to +4.0 -1°40′±30′ N/A

25 N

+ 90°

+ 90°

15

WSM

WSM

110 28

3.25

1.6

WT

5.8

3.0 to 3.5

52. Estate: 50

 $+ 90^{\circ} + 45^{\circ}$

 $50 + 45^{\circ} + 15^{\circ}$

35 + 30° + 15° N

Astra-F 1.4i 16V

 $25 + 30^{\circ}$

Astra-F 1.4i 16V

QQ/3

IN

1 EX

1389 cm³, 16V

@d\2

10

⊘60\1

1996 to 1997

1996 to 1997