

Opel Astra 1992-1998 Workshop Manual



Motronic M 1.5.4

1. Control unit.
2. Intake manifold pressure sensor.
3. Tank vent valve.
4. Throttle valve.
5. Idle speed control motor.

6. Octane number plug.
7. Fuel pressure regulator.
8. Injection valves.
9. Dual spark ignition distributor.
10. Intake air temperature sensor.
11. C.O. Potentiometer.
12. Inductive pulse pick-up.

CLEAN

1. All sealing surfaces.
2. Bore holes in cylinder head bolts.
3. Check cylinder block and cylinder head for plane surfaces.

INSTALL, CONNECT

1. Cylinder head sealing — marking "OBSH/TOP" facing upwards steering side of the engine.

INSTALL, CONNECT

1. Mount cylinder head on cylinder block.
2. Adjust hydraulic valve lash adjuster, measure parts and rocker arm — MoS, check.
3. Insert camshaft housing — Sealing Compound Loctite 242.

NOTE:

1. Use new cylinder head bolts.
2. Screw in bolts until they rest on cones.

TORQUE — ANGLE METHOD

1. Cylinder head to cylinder block.
2. Tighten cylinder head bolts from inside outwards, in four stages in a spiral pattern — torque wrench and 90°-470-B.

Engine	Torque	Further turn angle
1.4 / 1.6 L.	22 Nm	90° + 90° + 90°
1.8 / 2.0 L.	25 Nm	90° + 90° + 90°

*After test run, turn a further 30° + 15°



Fig. 80



Fig. 81



Fig. 82

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Steve Rendle



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Vauxhall/Opel Astra and Zafira Diesel Service and Repair Manual Martynn Randall, A.K. Legg, 2005-03 Astra Hatchback Saloon Estate and Zafira MPV inc special limited editions Does NOT cover automatic transmission variants or new range introduced May 2004 Diesel 1 7 litre 1686 1700cc 2 0 litre 1995cc turbo diesel Does NOT cover 1 7 litre CDTi common rail engines

Vauxhall/Opel Astra and Zafira Petrol Service and Repair Manual, 2014-07 Covering all aspects of maintenance repair and routine servicing tasks this guide to the Vauxhall Opel Astra and Zafira features technical information and specifications for petrol cars built between 1998 and 2004

Vauxhall/Opel Astra and Zafira Owner's Workshop Manual, 2015-08

Vauxhall Opel Astra Petrol Service & Repair Manual John S. Mead, 2008 This is one in a series of manuals for car or motorcycle owners Each book provides information on routine maintenance and servicing with tasks described and photographed in a step by step sequence so that even a novice can do the work

Moody's Industrial Manual, 1994 Covering New York American regional stock exchanges international companies

Autocar, 2004

HM Vauxhall Opel Astra and Zafira 1998-00 Haynes, 2001-11-30

The Autocar, 1987

Motor Cycling and Motoring, 1987

Vauxhall Astra and Zafira (petrol) A. K. Legg, Martynn Randall, 2001

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