

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 ₄ | 22 Nm | 90° + 90° + 90° |
| 1.8 / 2.0 L ₄ | 25 Nm | 90° + 90° + 90° |

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



Fig. 80



Fig. 81



Fig. 82

Opel C16se Astra Workshop Manual

John S. Mead



Opel C16se Astra Workshop Manual:

Vauxhall/Opel Astra and Zafira Owner's Workshop Manual ,2015-08 **Opel Astra** Steve Rendle,1996

Vauxhall/Opel Astra Diesel (04-07) John S. Mead,2008 Hatchback Sport Hatch Estate with turbo diesel engines inc special limited editions Does NOT cover TwinTop models or Easytronic transmission Diesel 1 3 litre 1248cc 1 7 litre 1686cc 1 9 litre 1910cc *Opel Astra* Steve Rendle,1996 **Opel Astra and Zafira (Swedish) Service and Repair Manual**

Haynes,2014-11-27 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 *Vauxhall Opel/Astra* John S. Mead,2013 This title covers Vauxhall Opel Astra hatchback and estate models 1 4 and 1 6 litre petrol engines and 1 3 1 7 and 2 0 litre diesel engines **Vauxhall/Opel Astra Service and**

Repair Manual Haynes Publishing,John S. Mead,2015 **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 Diesel Service and Repair Manual Martyn 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 *HM Vauxhall Opel Astra and Zafira 1998-00* Haynes,2001-11-30 *Vauxhall/Opel Corsa '11-'14* John S.

Mead,2016-08 **Vauxhall/Opel Corsa Service and Repair Manual** A. K. Legg,Peter T. Gill,2004 Hatchback Corsavan Combo Van inc special limited editions Does NOT cover facelifted range from Oct 2003 Petrol 1 0 litre 973cc 3 cyl 1 2 litre 1199cc 1 4 litre 1389cc 4 cyl Does NOT cover 1 8 litre 1796cc Turbo Diesel 1 7 litre 1686cc **Vauxhall/Opel Corsa**

Owners Workshop Manual John S. Mead,2014 **Opel Ascona and Manta Owner's Workshop Manual** ,2013-02 A maintenance repair manual for the DIY mechanic **Opel Vectra Owners Workshop Manual (Swedish)** A. K. Legg,Mark Coombs,2012-10 This title is a maintenance and repair manual for the DIY mechanic The book covers the Opel Vectra 95 98 models **Vauxhall/Opel Corsa** Euan Doig,2018 **Workshop Manual for Opel Manta, Ascona & Voyage** Autodata

Limited,1973 Vauxhall/Opel Corsa Haynes Publishing,2014-07 A maintenance and repair manual for the DIY mechanic

Opel Corsa Owners Workshop Manual John S. Mead, **Opel Corsa Service and Repair Manual** ,2015-08 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

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