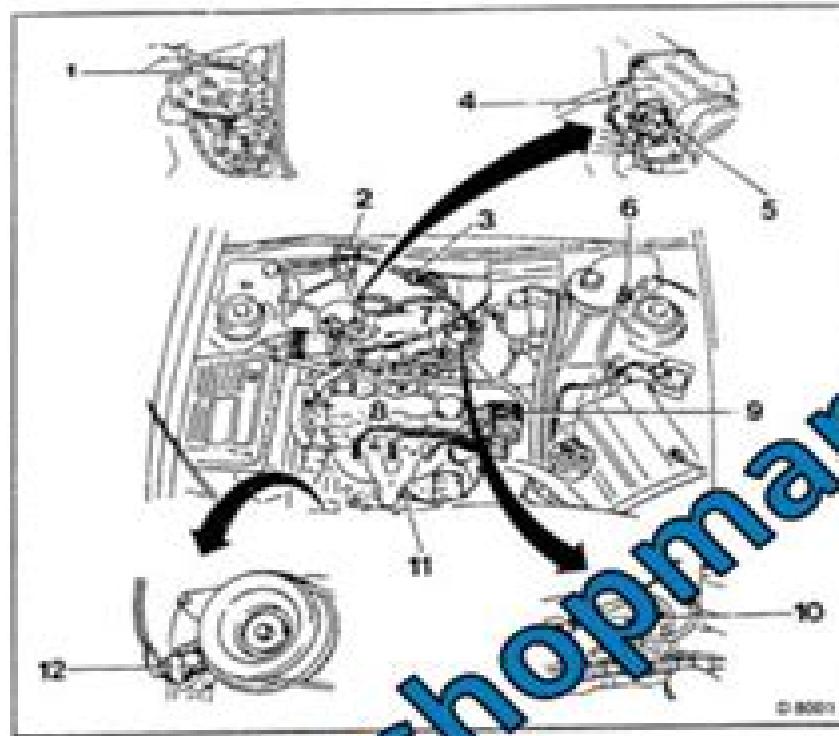


Opel Astra 1992-1998 Workshop Manual



Motronic M 1.5.4

1. Control unit.
2. Intake manifold gasket.
3. Throttle valve.
4. Dual spark ignition distributor.
5. Fuel pressure regulator.
6. Octane number plug.
7. Ignition valves.
8. Dual spark ignition distributor.
9. Intake air temperature sensor.
10. Inductive pulse pick-up.
11. C.O. Potentiometer.
12. Fuel pump.

CLEAN

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

INSTALL, CONNECT

1. Cylinder head sealing — mounting "OBBENTOP" facing upwards mounting side of the engine.

INSTALL, CONNECT

1. Cylinder head on cylinder block.
2. Hydraulic valve train assembly.
3. Camshaft and rocker arm — Moly Paste.
4. Insert camshaft housing — Bearing Compound Lockers 242.

NOTE:

1. Use new cylinder head bolts.
2. Screw in bolts until they meet on cover.

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Fig. 80

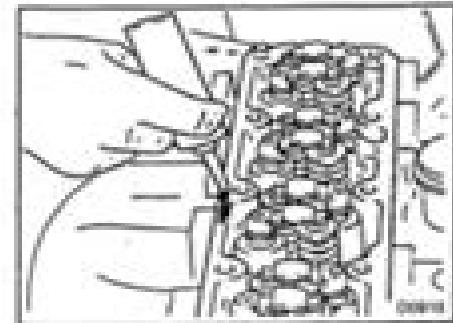


Fig. 81

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 KSM 479/8.

Engine: Torque: Fitted from angle:
1.4 l 1.6 l: 25 Nm: 90° + 90° + 90° + 90°
1.6 l 2.0 l: 28 Nm: 90° + 90° + 90° + 90°

*After head has been a further 30° + 10°

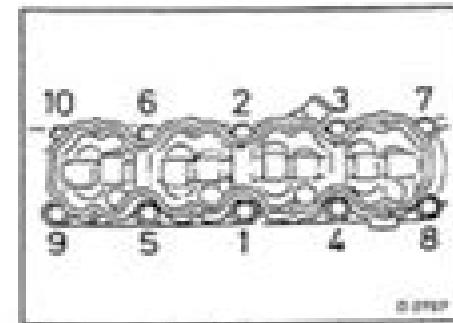


Fig. 82

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Kathleen Armour

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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 Automatic Record Changer Service Manual Howard W. Sams & Co,1955 **Vauxhall/Opel Astra and**

Zafira Owner's Workshop Manual ,2015-08 **Automatic Record Changer Service Manual Including Latest "long Play" (LP) Changers, Wire and Tape Recorders** Howard W. Sams & Co,1956 **Subject Guide to Books in Print**

,2001 *The Civil Service Manual for 1880-1881* ,1880 The Civil service manual for 1879 Government appointments and how to obtain them Edwin T. Olver,1879 *Australian National Bibliography: 1992* National Library of Australia,1988

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