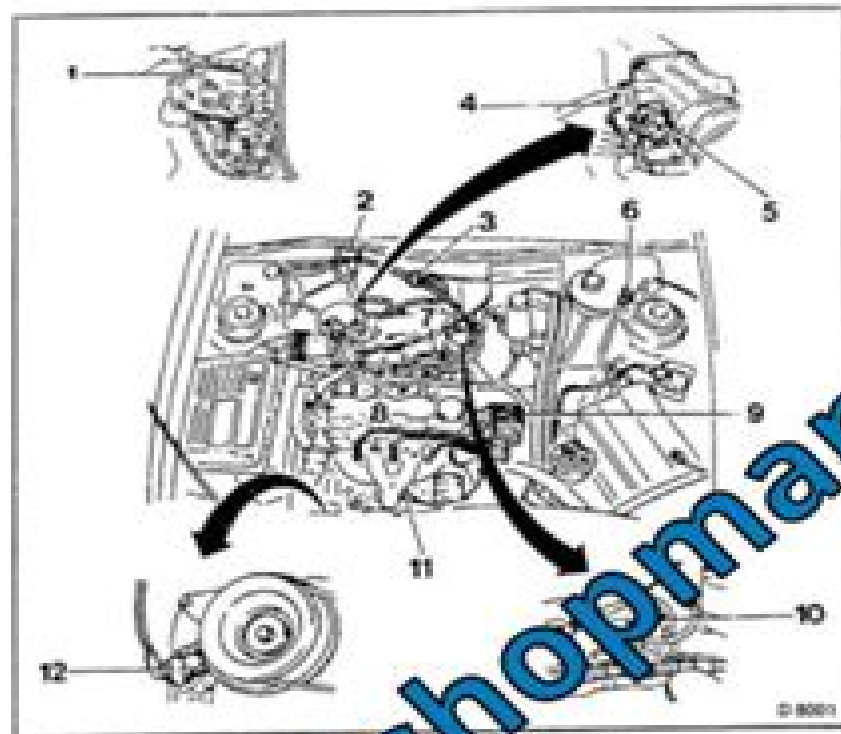


# Opel Astra 1992-1998 Workshop Manual



## Motronic M 1.5.4

1. Control unit.
2. Intake manifold pressure sensor.
3. Tank vent valve.
4. Throttle valve actuator motor.
5. Idle speed actuator 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. Cylinder head on cylinder block. Insert hydraulic valve lash adjuster, pressure parts and rocker arm — MoS, valve. 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°-45°-0.

Engine	Torque	Further turn angle
1.4 / 1.6 L4	22 Nm	90° + 90° + 90°
1.8 / 2.0 L4	25 Nm	90° + 90° + 90°

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



Fig. 80

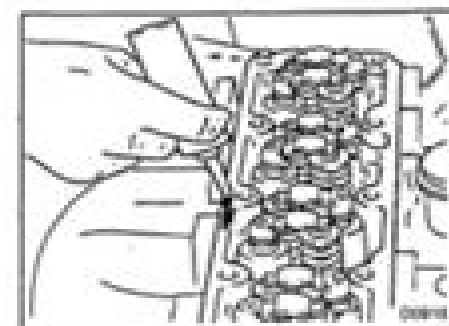


Fig. 81



Fig. 82

# 1 Astra Workshop Manual

**Kathleen Armour**



## 1 Astra Workshop Manual:

**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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