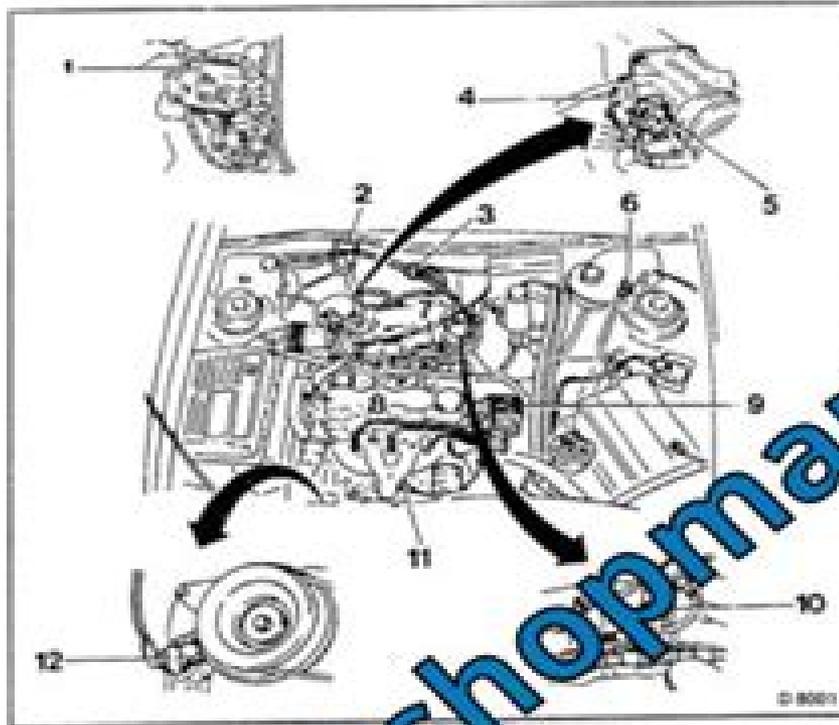


Opel Astra 1992-1998 Workshop Manual



Motronic M 1.5.4

1. Control unit.
2. Intake manifold pressure sensor.
3. Tank vent valve.
4. Throttle valve actuator.
5. Idle speed control stepper 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 seating surfaces.
2. Bore holes in cylinder head bolts.
3. Check cylinder block and cylinder head for plane surface.

INSTALL, CONNECT

1. Cylinder head seating — 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.
3. Secure parts and rocker arm — MoS, grease.
4. Insert camshaft housing — Sealing Compound Loctite 242.

NOTE:

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

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 KM-470-B.

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

*After test run, turn a further 30° + 10°



Fig. 88

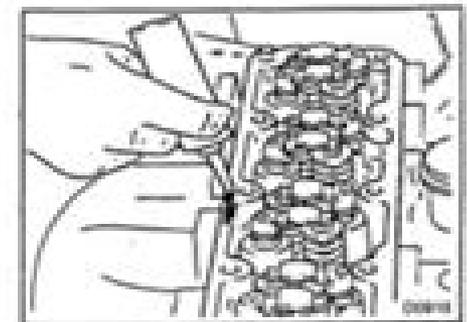


Fig. 89

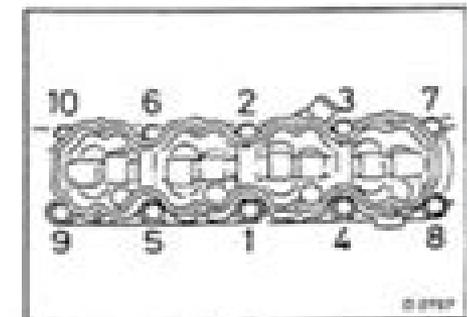


Fig. 90

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Jianjun Gao



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