

# 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.
3. Secure parts and rocker arm — MoS, screw.
4. 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 KM-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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# Opel Astra Manual English

**WJ Hussar**



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## **Table of Contents Opel Astra Manual English**

1. Understanding the eBook Opel Astra Manual English
  - The Rise of Digital Reading Opel Astra Manual English
  - Advantages of eBooks Over Traditional Books
2. Identifying Opel Astra Manual English
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Opel Astra Manual English
  - User-Friendly Interface
4. Exploring eBook Recommendations from Opel Astra Manual English
  - Personalized Recommendations
  - Opel Astra Manual English User Reviews and Ratings
  - Opel Astra Manual English and Bestseller Lists
5. Accessing Opel Astra Manual English Free and Paid eBooks
  - Opel Astra Manual English Public Domain eBooks
  - Opel Astra Manual English eBook Subscription Services

- Opel Astra Manual English Budget-Friendly Options
- 6. Navigating Opel Astra Manual English eBook Formats
  - ePub, PDF, MOBI, and More
  - Opel Astra Manual English Compatibility with Devices
  - Opel Astra Manual English Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Opel Astra Manual English
  - Highlighting and Note-Taking Opel Astra Manual English
  - Interactive Elements Opel Astra Manual English
- 8. Staying Engaged with Opel Astra Manual English
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Opel Astra Manual English
- 9. Balancing eBooks and Physical Books Opel Astra Manual English
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Opel Astra Manual English
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Opel Astra Manual English
  - Setting Reading Goals Opel Astra Manual English
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Opel Astra Manual English
  - Fact-Checking eBook Content of Opel Astra Manual English
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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