



Aluminum Valve Cover Kit For 1993-2004 4.0L Engines Part Number: RT35001, RT35002, RT35003

Kit Contents

- Aluminum Valve Cover
- Valve Cover Gasket
- (15) 1/4" - 20 x .75" Socket Cap Screws
- (1) Oil Fill Plug
- (2) PCV Valve Grommets



Read all instructions carefully prior to starting installation.

NOTE: To ease installation we suggest the Oil Fill Plug and PCV Valve Grommets be softened prior to installation by placing them in very warm water for a minute or so to soften the rubber. A heat gun or hair dryer will also work. Take care to not melt the rubber.

1. Ensure that all kit components are accounted for.
2. Disconnect the negative battery terminal.
3. Remove the crankcase ventilation hose and air inlet hose from the original valve cover.
4. Remove the cables connecting to the throttle body from the clips on the valve cover. Position them aside so they are out of the way. Take care not to kink or damage the cables. Disconnecting the cables from the throttle body and bracket may be necessary.
5. Remove the plastic cable retention brackets from the valve cover. Set them aside for later use.
6. Remove the valve cover bolts, followed by the valve cover. Take care to ensure the heater hoses at the front of the engine are not damaged in this process.
7. Remove the valve cover gasket. Clean the engine mounting surface thoroughly. We find that using acetone or brake parts cleaner, a razor blade, and a rag works well.
8. Install the replacement **Valve Cover Gasket** onto the cylinder head.
9. Carefully install the replacement **Valve Cover** onto the engine. Check to ensure the Valve Cover Gasket is properly seated on the cylinder head.
10. Loosely mount the Valve Cover to the cylinder head using the **1/4" – 20 x .75" Socket Cap Screws**. Torque the screws to 72 in. lbs. (6 ft. lbs.) in a criss-cross pattern.
11. Install the plastic cable retention brackets onto the studs on the replacement Valve Cover. Install the cables to clips, bracket, and throttle body.
12. Install the softened **PCV Valve Grommets** and **Oil Fill Plug** to the Valve Cover.
13. Install the crankcase ventilation hose and air inlet hose to the replacement Valve Cover.
14. Reconnect negative battery cable.
15. Check for any leaks after the first few trips and re-torque the valve cover screws after 100 and 500 miles.

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