



Mr. Gasket Fabricated Aluminum Valve Covers Application Specific Fitment (See Chart)

Thank you for making MR. GASKET your choice for high-performance valve covers. Extensive dyno, street, and track testing has enabled MR. GASKET to offer affordable and lightweight valve covers for your application.

CAUTION! If your engine has non-standard valve train components, such as a high-lift camshaft, roller-tip rocker arm, higher lift ratio rocker arms, stud girdles, etc., there may be insufficient clearance when using the Mr. Gasket fabricated aluminum valve cover. You must check all internal clearances according to installation steps 9-12 below.

WARNING! INSUFFICIENT CLEARANCE TO MOVING VALVE TRAIN COMPONENTS COULD LEAD TO PART BREAKAGE AND RESULT IN SERIOUS ENGINE DAMAGE.

Parts Included:

- Mr. Gasket Fabricated Valve Covers (pair)
- Mounting Hardware
- Installation Instructions

Recommended Tools for Installation:

Flathead Screwdrivers	5/16" Hex Socket	Gasket Scraper
3/8" Drive Ratchet	Various 3/8" Drive Hex Sockets	Various 3/8" Drive Sockets
6" Socket Extension	Torque Wrench	Adhesive Gasket Sealant

INSTALLATION INSTRUCTIONS – PLEASE READ CAREFULLY

CAUTION! Never work on a hot engine. Open the hood and allow all components to cool before installing.

1. Remove any oil fill caps, PCV components, or wires that are attached to the existing valve cover.
2. Remove the existing valve cover hardware and covers, then carefully clean any gasket material that adheres to the head surface. Do not allow any gasket debris to enter the engine.
3. Install the PCV valve rubber grommet and oil fill rubber grommet into the pre-baffled holes of the valve covers (if applicable).
4. Install the new valve cover gaskets on the valve covers using an adhesive type gasket sealant (if applicable).
5. If you are using 100% stock valve train components, then install the valve covers. **If any parts of the valve gear are aftermarket, see steps 9-12 to ensure proper clearances.**
6. Torque the valve cover bolts to 5-6 ft/lbs, making sure the gaskets do not slip out of position. Proper torqueing will help to ensure that your covers do not leak oil.
7. Re-install any applicable items removed in Step 1.
8. Start the engine and carefully check for any signs of oil leakage.
9. Place small pieces of modeling clay on any protruding areas of the valve train (both moving and stationary). Include the following: both tips of the rocker arms, the pushrods (closest to the valve cover flange surface), on the rocker arm studs, or on the rocker shaft attachments. In general, check all the points that you are not sure about.
10. Install the valve cover, using the correct gasket and tighten the valve cover hardware to 5-6 ft/lbs of torque. Turn the engine over by hand or with a SHORT lever, at least two full revolutions of the flywheel. Removing the spark plugs is advised.

CAUTION! Be alert for any signs of unusual binding as the engine is turned. If binding occurs; stop turning immediately, remove the valve cover, and check the clay pieces. DO NOT FORCE THE ENGINE TO TURN.

11. After two complete revolutions, remove the valve cover and check the clay thickness with a depth micrometer, or suitable instrument. Clay should compress to no thinner than .080" at any point for moving parts, and no thinner than .040" for stationary parts.

NOTE: If the clearance is not acceptable according to Step 11, Holley recommends that you install a spacer to increase clearance to the valve cover.

12. If the valve train clearance is acceptable, carefully remove all traces of the modeling clay from the engine. Return to step 6 and complete the installation.

Application Chart:

Part Number	Description
6872G	Fabricated aluminum tall valve cover pair short bolt, natural, Ford 1958-76 332-428 FE
6876BG	Fabricated aluminum tall valve cover pair short bolt, black, Ford 1958-76 332-428 FE
6830G	Fabricated aluminum valve cover pair w/ 1/4" thick billet rail, natural, 1965-2000 Chevy 396-454 big block
6831BG	Fabricated aluminum valve cover pair w/ 1/4" thick billet rail, black, 1965-2000 Chevy 396-454 big block
6860G	Fabricated aluminum valve cover pair, natural, 1964-91 Chrysler 273-360 small block (exc. Magnum)
6861BG	Fabricated aluminum valve cover pair, black, 1964-91 Chrysler 273-360 small block (exc. Magnum)
6832BG	Fabricated aluminum tall valve cover pair, black, 1965-2000 Chevy 396-454 big block w/smooth hole
6862G	Fabricated aluminum valve cover pair short bolt, natural, 1965-78 Chrysler 383-440 big block
6863BG	Fabricated aluminum valve cover pair short bolt, black, 1965-78 Chrysler 383-440 big block
6864G	Fabricated aluminum valve cover pair long bolt, natural, 1965-78 Chrysler 383-440 big block
6865BG	Fabricated aluminum valve cover pair long bolt, black, 1965-78 Chrysler 383-440 big block
6874G	Fabricated aluminum valve cover pair, natural, 1968-97 429-460 big block
6880BG	Fabricated aluminum valve cover pair, black, 1968-97 429-460 big block
6811BG	Fabricated aluminum valve cover pair w/ 1/4" thick billet rail, black, 1958-86 Chevy 283-400 small block
6812G	Fabricated aluminum tall valve cover pair center bolt, natural, 1987-97 Chevy 305-350 small block, no hole
6813BG	Fabricated aluminum tall valve cover pair center bolt, black, 1987-97 Chevy 305-350 small block, no hole
6817G	Fabricated aluminum valve cover flat top pair, natural, 1958-86 Chevy 283-400 small block
6818BG	Fabricated aluminum valve cover flat top pair, black, 1958-86 Chevy 283-400 small block
6843BG	Fabricated aluminum valve cover pair w/ hole, black, short bolt 1962-85 Ford 260-351W small block w/hole
6843G	Fabricated aluminum valve cover pair w/ hole, natural, long bolt 1962-85 Ford 260-351W small block
6844BG	Fabricated aluminum valve cover pair w/ hole, black, long bolt 1962-85 Ford 260-351W small block
6845G	Fabricated aluminum tall valve cover pair tapered edge, natural, 1962-85 Ford 260-351W small block
6846BG	Fabricated aluminum tall valve cover pair tapered edge, black, 1962-85 Ford 260-351W small block
6824G	Fabricated aluminum valve cover pair w/ hole, natural, short bolt, 1962-85 Ford 260-351W small block
6825G	Fabricated aluminum valve cover w/OEM coil stands, natural, GM LS engines
6827BG	Fabricated aluminum valve cover w/OEM coil stands, black, GM LS engines
6820G	Fabricated aluminum valve cover pair, natural, long bolt, 1958-86 Chevy 283-400 small block

Any questions?

Please contact Technical Service: **1-866-464-6553** or **270-781-9741**.

For online help, please refer to the website: www.holley.com.

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