



VINTAGE SERIES – BIG BLOCK CHEVY VALVE COVERS 241-300, 241-301, 241-302, 241-303 & 241-304 INSTALLATION INSTRUCTIONS

To preserve the warranty, these instructions must be read and followed thoroughly BEFORE and DURING installation.

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 Holley Vintage Series aluminum valve cover. You must check all internal clearances according to steps 9-12 below.

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

P/N	ITEM DESCRIPTION
241-300	BBC <i>Vintage Series</i> Finned, Cast Aluminum Valve Covers – Natural Finish
241-301	BBC <i>Vintage Series</i> Finned, Cast Aluminum Valve Covers – Polished Finish
241-302	BBC <i>Vintage Series</i> Finned, Cast Aluminum Valve Covers – Satin Black Machined Finish
241-303	BBC <i>Vintage Series</i> Finned, Cast Aluminum Valve Covers – Holley Red Machined Finish
241-304	BBC <i>Vintage Series</i> Finned, Cast Aluminum Valve Covers – Factory Orange Machined Finish

PARTS INCLUDED:

- Holley *Vintage Series* BBC cast aluminum valve covers (pair)
- Baffle plates (2) and required mounting screws
- Push-in oil fill caps (2)
- PCV grommet (1) – 0.75" internal diameter
- Installation Instructions

RECOMMENDED TOOLS FOR INSTALLATION:

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

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 baffles (if necessary) to the underside of each hole using the supplied screws, then install the push-in rubber PCV grommet and/or rubber oil fill cap(s) into the 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 train 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.
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For Engines with Aftermarket Valve Train Components:

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.
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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**.

LIMITATION OF LIABILITY – DISCLAIMER:

The regulation of emissions production, noise levels, and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns, and counties.

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