

LS Classic Series By Lokar Big Block Chevy & 409 Valve Covers Installation Instructions

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General Installation Notes:

Please read these instructions completely before beginning the installation. If you have any questions, please call.

Before beginning the installation, disconnect the negative battery cable and use wheel chocks to block the vehicle's wheels.

We recommend using anti-seize lubricant on all aluminum threads.

Refer to Fig. 1 and Fig. 2 for the component names.

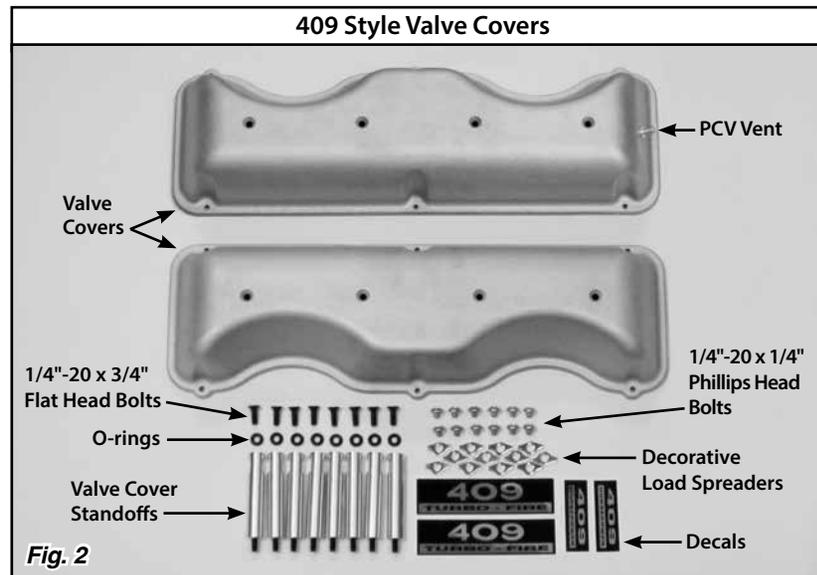
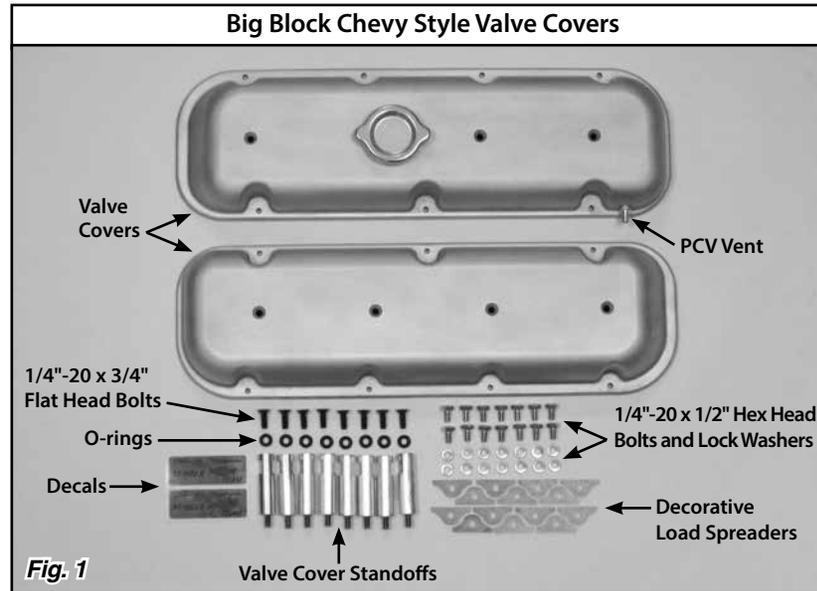
If you will be applying any sort of a finish (paint, powder coat, etc.) to the new Valve Covers, bolts, or decorative load spreaders, do so before beginning the installation. Do not remove the decorative spreaders or bolts from a Valve Cover that is chromed.

Step 1: Remove the existing valve covers (if applicable).

Step 2: Make sure the valve cover gasket sealing surfaces on the cylinder heads are clean.

Step 3: Press an O-ring into the recess on the top end of each of the valve cover standoffs. **Fig. 3**

Step 4: Thread each of the valve cover standoffs into the valve cover bolt holes in the cylinder heads. Tighten to approximately 9 lb.-ft. using a 7/16" open end wrench. **Do not overtighten!** **Fig. 4**



Step 5: Make sure that the inside of the valve cover is clean (no packing material or other debris). If your new Valve Covers came with decorative load spreaders that are not already installed, install those now, using the provided 1/4"-20 x 1/2" hex head bolts and lock washers (Big Block) or 1/4"-20 x 1/4" Phillips head bolts (409). **Fig. 5**

Step 6: Install a new LS3 valve cover gasket (not included) onto each of the Valve Covers. A thin coat of clean engine oil on the valve cover gasket will make it easier to press the gasket into place. **Fig. 6**

Step 7: Place the Valve Cover that has the PCV vent into position on the passenger side cylinder head, with the PCV vent at the rear. Align the bolt holes in the Valve Cover with the bolt holes in the valve cover standoffs.

Install a 1/4"-20 x 3/4" flat head bolt into each of the holes. Torque to 106 lb.-in. (9 lb.-ft.) using a 5/32" hex bit, starting with the two bolts in the center first, and the outer bolts last.

Step 8: Connect the proper hose from your PCV system to the PCV vent.

Step 9: Repeat **Step 7** with the driver side Valve Cover.

Step 10: Install the decals as shown in **Fig. 7** and **Fig. 8**.

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