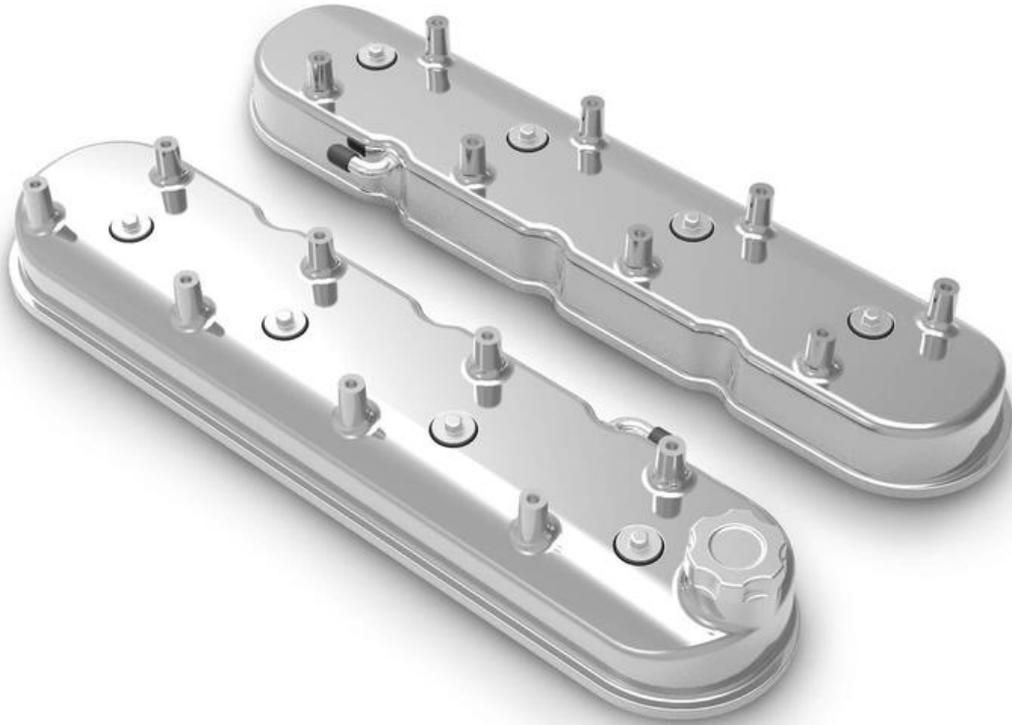




Installation Manual

Tall LS Valve Covers

PFEVC-8578



Included Items	QTY
Tall LS Valve Cover w/ Oil Fill Cap	1
Tall LS Valve Cover	1
Billet Oil Cap	1
Bracket Kit for High Mount Alternator	1
Hardware Assembly Kit	8

WARNING: PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

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Description:

The Proflow Performance Tall LS Valve Covers fit all LS1, LS2, LS3, LS6 and LS7 engines using ignition coils with the standard LS3 bolt spacing (72mm).

Purchasing new gaskets is recommended but not required. We recommend using part number PFEGK009 as replacements. Grommets are included in the installation hardware kits but replacements may also be necessary over time.

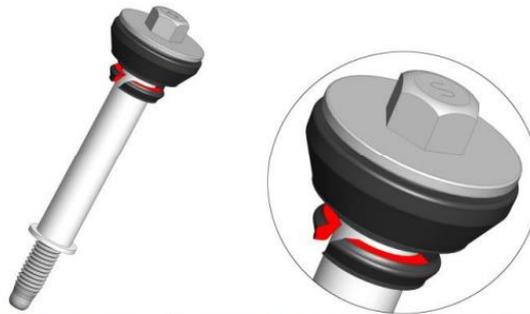


Figure 1 – Factory LS Valve Cover Hardware Assembly

NOTE: Aged grommets will likely tear during the removal and reinstallation processes. The area that is affected is only for temporary retention during installation and will not hurt the sealing function of the grommet.

Typical Installation:

1. Disconnect the battery.
2. Remove any cosmetic engine/coil covers. Refer to the vehicles factory service manual for correct removal procedures. These covers will not be reinstalled.
3. Disconnect the plug from each coil by twisting and pulling on each wire boot and disconnect the main coil harness plug.
4. Remove the coils, coil brackets, coil harness, PCV hose and existing valve covers from the car. Remove the original gaskets by gently pulling them out of the valve cover grooves.
5. Remove the valve cover bolts and grommets carefully. The original grommets will have softened and swelled over time. If reusing the original grommets and gaskets, clean with mild soap and warm water.
6. Reinstall the gaskets into the new Proflow valve cover's gasket grooves by pressing firmly to properly seat the gasket.
7. Install the new extended length tall LS valve cover bolt assemblies by carefully working the grommets into the valve covers until they are fully seated.
8. Install the valve covers onto the engine making sure that the gaskets remain seated in the valve cover groove. Evenly torque the cover bolts to 12 Nm.
9. Remove the corresponding rubber caps on the valve covers PCV ports and reconnect the PCV hoses.
10. Remove the individual coils from the original valve covers and install each of them onto the Proflow valve covers. Torque the coil bolts to approximately 12 Nm.
11. Remove the coil harnesses from the original brackets. Reconnect the coil harnesses to the coils. Make sure the coil harnesses are not switched to the opposing sides.

NOTE: If harnesses are accidentally switched, the firing order will be wrong which could cause misfire and engine damage.

12. Reinstall the spark plug wires and rotate the boots for exhaust clearance. Make sure all electrical connections are secure and reconnect the battery.
13. Start the engine and verify there are no oil leaks.

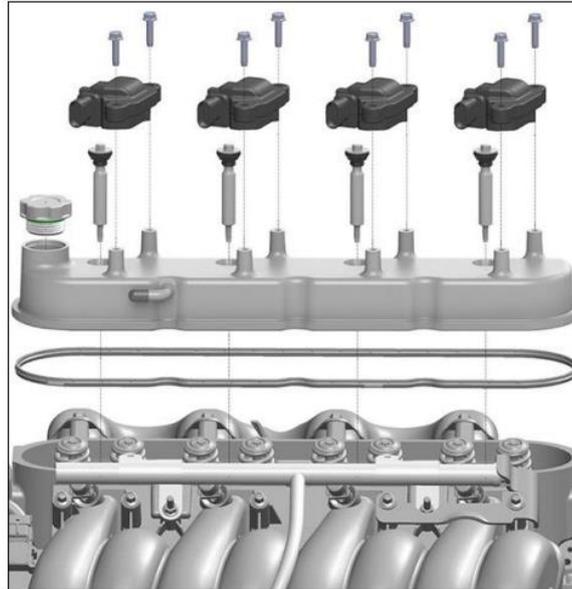


Figure 2

Offset Bracket:

For applications with high-mounted driver's side alternators, the supplied offset bracket kit should be installed as pictured below.

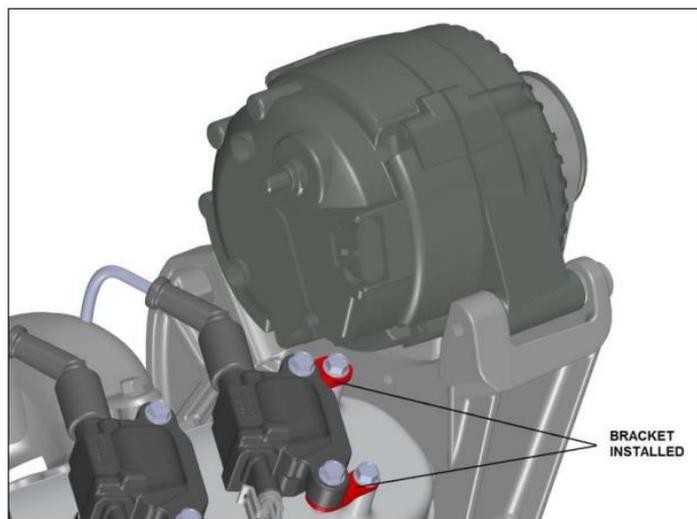
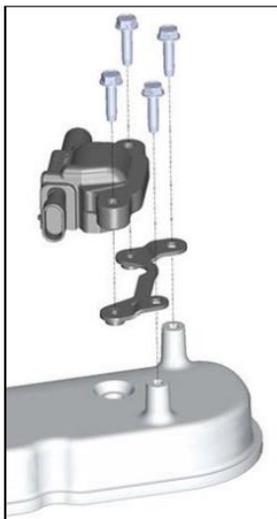


Figure 3

PROFLOW LIMITED WARRANTY

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This Proflow product is warranted to be free from defects in materials and workmanship for a period of one year from the original date of purchase. No warranty claim will be valid without authentic, dated proof of purchase. This warranty is to the original retail purchaser and none other and is available directly from Proflow and not through any point of distribution or purchase.