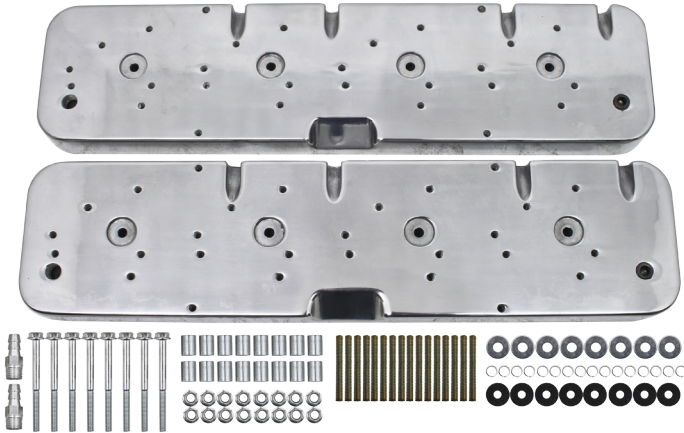


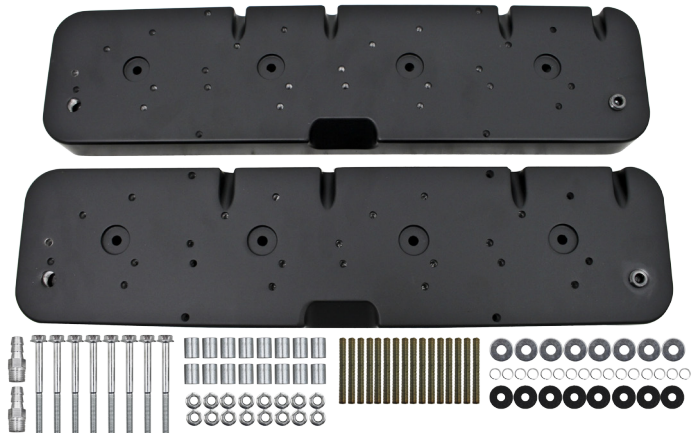
LS VALVE COVER ADAPTERS INSTRUCTIONS



**** Adapters will increase height by 1-3/8".
Checking for clearance is recommended ****

**** All Hardware Included ****

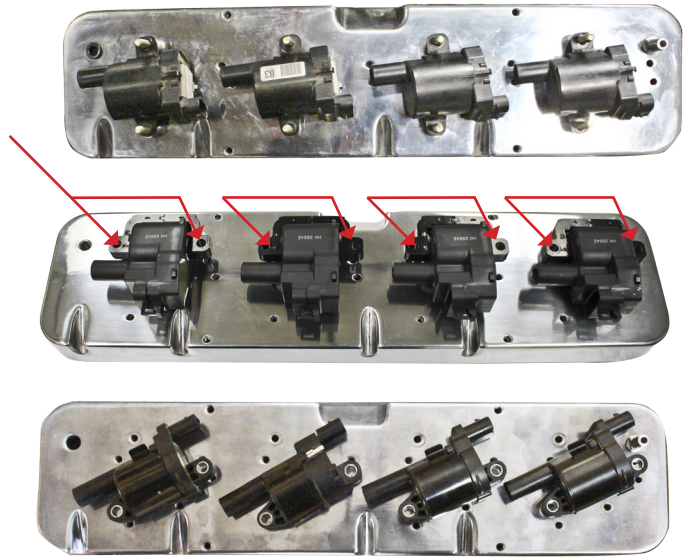
**** Wires & Coils NOT INCLUDED ****



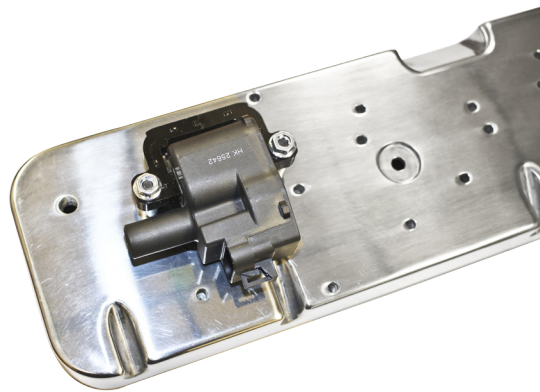
STEPS:

1. Disconnect the battery cables from the battery.
2. Disconnect the spark plug wires from the plugs and ignition coils and set aside.
3. Disconnect the ignition coil connectors that come from the engine harness and label them to each cylinder number.
4. Remove the ignition coils from the valve covers and mounting bracket.
5. Remove the PCV hose from the valve cover.
6. Loosen the valve cover bolts and remove valve covers and gaskets.

At this point you should be able to see the valve train on your motor and be careful that nothing falls in the cylinder head. Wipe the surface of the head where the valve cover gasket goes. Lay one of the coil adaptors down on a flat surface with the side cut-out at the 12 o'clock position facing you. Take the four ignition coils and lay them on top of the coil adaptor so that you see them centered to the coil adaptor and the spark plug end facing its corresponding wire cut-out at the bottom. Mark the mounting holes you will be using.

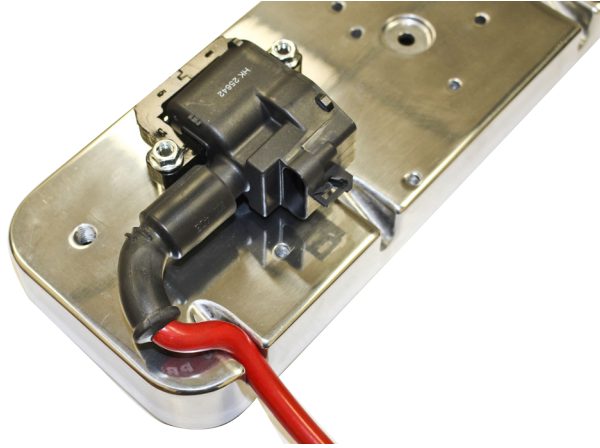


- 7.** Install the new valve cover gaskets onto the new coil adaptor
- 8.** Install the new coil adaptor with the side cut-outs being at the 12 o'clock position and the spark plug wire cut-outs at the 6 o'clock position.
- 9.** Tighten down the new coil adaptors with the M6 bolts and rubber seal washers. (Down the center of the adaptor) Torque M6 bolts to 106 Inch Pounds DO NOT OVER TORQUE
- 10.** Proceed to installation of ignition coils.
- 11.** Take two of the $\frac{3}{4}$ " spacers and two M6 flat washers and two M6 studs and two M6 nuts and mount the ignition coil to the holes that you marked earlier.

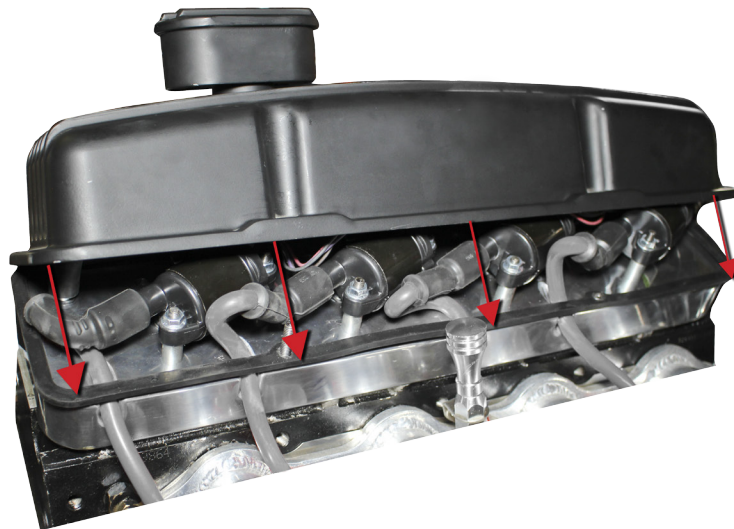


- 12.** Next take the ignition coil harness and remove the black tape that's around the wires for the coil connectors. (You may have to do this step it depends on what style ignition coils you are running)
- 13.** Connect the ignition coil connectors to their corresponding coils as you labeled them earlier.
- 14.** Each adaptor has two $\frac{1}{2}$ " holes on each side, take the $\frac{1}{2}$ " hose connectors and screw them down one on each adaptor. Here you will be able to install your inline PCV valve and vacuum to the throttle body. Make sure to not install the fittings on to the holes that are baffled. Use the holes that are baffled as oil filler. (PCV valve and vacuum hoses are not included in this kit as some engines might run them and some might not.)

- 15.** Now you should have both adaptors mounted and bolted down, the ignition coils mounted to the coil adaptors and connected to the engine harness and fittings in the adaptors.
- 16.** Install the spark plug wire to the ignition coil. Once on the ignition coil, loop the wire down through the slots at the bottom of the adaptor to hold the spark plug wire in place. (The biggest spark plug wire you can use is a 10.5mm)



- 17.** Now you can mount any Small Block Chevy perimeter valve covers to hide your LS engine coils and make that LS engine look old school.



**** Once valve covers/ coil cover are installed from the bottom of the adapter to the top of the valve cover it measures 5 in. tall ****