Installation Instructions for 50060
SB-Chevy Engine Cover Kit

IMPORTANT: Be sure to read this manual before installing.

On behalf of the designers, we hope you enjoy your new engine dress up system. Whether you are giving your engine compartment a new look or creating one on a project car, this kit will give you what you need and the safety you demand.

Engine Fit Compatibility.

- Small block Chevy……Yes
- HEI distributor……Yes
- Intake……..OEM or aftermarket low rise and mid rise.
- Valve covers……..Stock height including center bolt.
- Breathers……Stock style.
- Fuel line……..Dual line for manual or electric pumps.
- Throttle cable……..Aftermarket cable.
- Carburetor……..Holley, AFB (with modification), OEM.
- Air Cleaner ……Recommend a 7” Diameter x 2” tall.

Note: Although much research and design has gone into this item to work properly and allow safe usage, not all configurations could be feasibly determined. Brackets, firewall, hood clearance, water, a/c lines, and fuel lines, can be in numerous arrangements. The unit was designed around a basic variety of components found on typical hot rod configurations. Modifications to this unit will be necessary for a proper fit on your vehicle. Consult with a body shop or professional hot rod shop if needed.

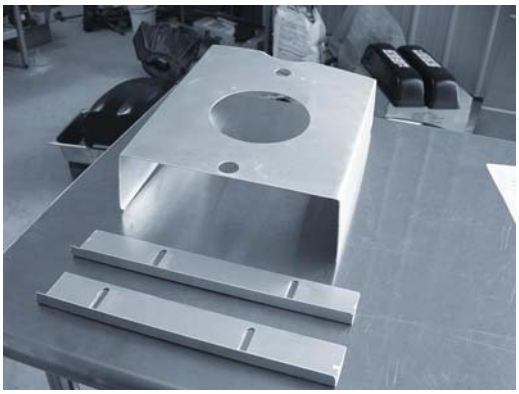
Package list:

- Fiber glass intake cover……..…1
- Fiberglass valve covers……..2
- Fiberglass slot cover..……1
- Carburetor pan……..1
- Carb. Pan adjustable brackets……..2
- Valve cover mounting brackets…….2
- Intake studs..……...4
- Dual Loc strip 12”……1
- Billet front cover…..……1
- #10-32 screws…..……..……8
- #10-24 screws……..……4
- #10 loc nuts……...4
- ¼” flat washers…… 8
- ¼” lock washers……4
- ¼” hex nuts…..……4
- ¼” carriage bolts……4
- ¼” wing nuts……..……..4
- 3/8” flat washers..……4
- 3/8” lock washers……..……4

Thank you and enjoy showing off your new engine.

For this installation we are using a 1955 Chevy pickup truck. It has a Holley carburetor, GM alum. intake, centerbolt heads, HEI distributor, aftermarket throttle linkage, and a front entrance fuel line.

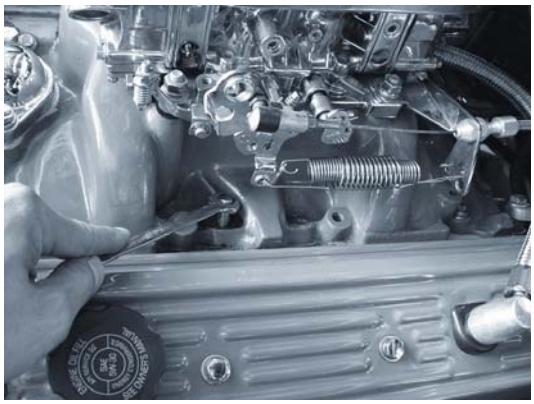
1. Assemble the carburetor plate and brackets together with the suppiled 1/4" carriage bolts and wing nuts. Be sure the heads of the bolts face out. (Below shown right).

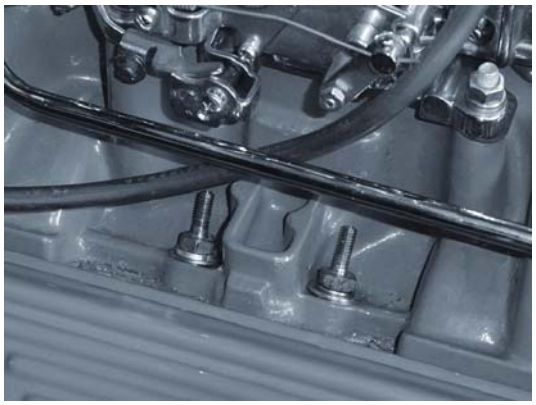


2. Remove the air cleaner. Place the Carb. Plate on the carburetor. Check the throttle linkage to make sure the full range of travel will operate without catching on the plate. Check for fuel lines, electrical wires, fluid lines, or any component that could rub or wear creating a failure. (The Carb. Plate can be spread wider, but not beyond the fiberglass air box width).

Next place the Fiberglass air box over the carburetor. Check for the clearance of the fire wall and items mentions for the Carb. Plate. For throttle cable, kick down linkage, vacuum lines and rear entrance fuel line, we recommend running them under the box or slotting the fiberglass on the rear side. This unit has been designed to be able to remove the air box quickly in case of a fire or linkage sticking. We advise you to NOT run the lines and cables in through the Fiberglass Air Box.

3. Valve Cover installation. Remove the 2 centered intake manifold bolts on either side. If you are satisfied with the clearance of the carburetor it might be easier to remove the fuel line and linkage for better access. Replace the 3/8” bolts with the new studs and washers supplied in the kit. Use an anti-seize if necessary and tighten the new studs to the proper torque specifications.

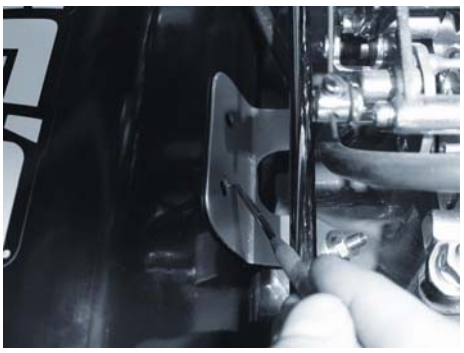


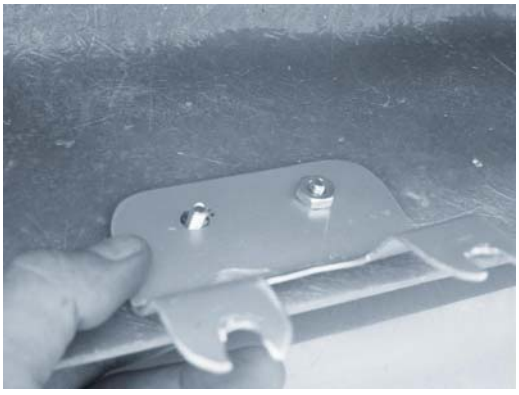


4. Install the valve cover bracket (below left) with the 1/4” nuts, 1/4” flat washers, & 1/4” lock washers supplied (as shown below right).

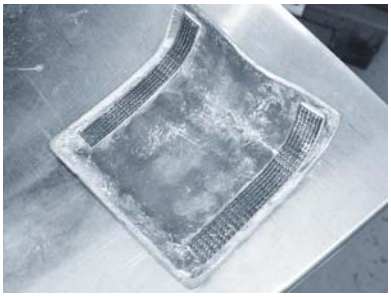
5. Place one of the fiberglass valve covers on the engine valve cover and check for clearance. In our test installation we needed to make a slot for the crank case hose to pass. Note: The covers will not seal the breathers from getting adequate crank case evacuation on most mild engines, but if the engine is more radical than stock, it might be necessary to make an air passage hole on the edge of the cover that faces the fire wall. If done properly no one will know but you.

Once clearance is achieved, slip the valve cover behind the valve cover bracket (shown below right). Use a scribe to mark the mount screw hole location. Use a 1/4” drill bit to make the bracket mounting holes. Remove the bracket from the studs and mount the bracket on the inside of the fiberglass valve cover with the #10 screws and nuts supplied (shown below right). Repeat step 5 for the other side.





6. Front Slot Cover. This piece is held on with the supplied Velcro Strips. The front slot cover will need to be prepared for installation at this time. Using an abrasive sander or grinder, remove the back side edges (as shown below right) so that the Velcro Strips can stick out enough to lock with the mating side on the Air Box Cover (as shown below left). Test fit the Velcro strips before exposing the rear adhesive back. It should look like the example (as shown below center). NOTE: We removed the top water hose for a better view for the instructions. It is not necessary to remove the top hose. Again, the design allows you to quickly slip the cover on and off without removing the engine components.



7. With the Valve Covers mounted, replace the Carb. Pan on to the engine. Adjust the side brackets and allow 1/8”-1/4” clearance evenly with the valve cover (shown below left).

8. Cut the supplied Dual Loc Velcro Strip into two 6” lengths. Peal off the backing and place in the middle of the Carb. Pan Bracket, on the edge facing up. Match the other side of the Dual Loc to the bottom of the Air Box. Repeat on other side. This is the fastening system for the Air Box to the Carb. Pan. As stated earlier, this fastening design allows quick access to the engine. NOTE: We recommend cars running without a hood should utilize screw fastening or install clip fasteners to prevent the Air box from blowing off.

9. Install your air cleaner and any other lines, hoses, etc. at this point. One tip; start your engine to check for leaks before moving forward.

10. Install the Billet Aluminum Grill with the supplied #10 screws. Place the Front Slot Cover (as shown top right).

FINAL. Your Engine Cover is ready for finishing.
Be sure to Show It OFF!

Note: Some adjustments to the box and left valve cover might be required for the best fit (as shown left). Use a file or small grinder to achieve this.