



# Custom LS Engine Cover Installation Guide

## Parts List

- 2 engine covers
- 4 Studs for grommets
- 4 lower “hat” grommets
- 4 upper “horseshoe” grommets
- 6 Cable ties

*Tools needed: 10 mm deep socket, side cuts*

**Please follow all of the steps outlined below. Installation of custom Roto-fab engine covers may vary, as they are compatible with a variety of applications.**

Using a 10 mm deep socket, install 2 supplied mounting studs into the tapped bosses shown on the left (driver's side) valve covers as shown in ill. 1. Do not overtighten.

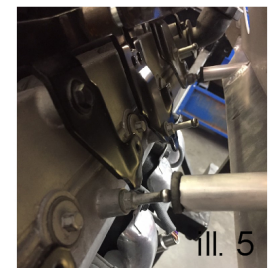
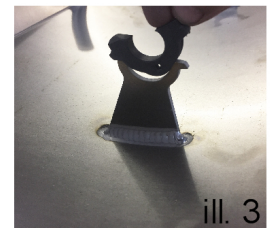
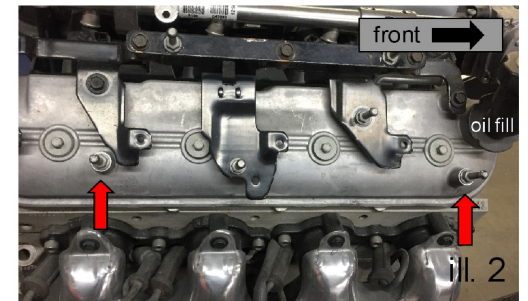
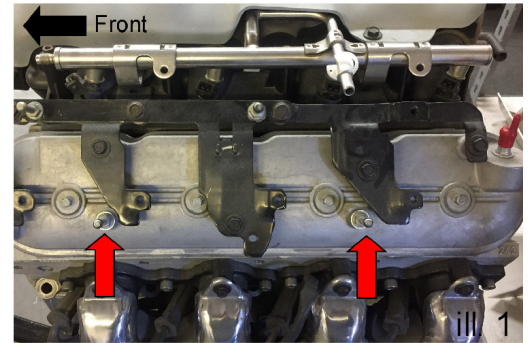
Using a 10 mm deep socket, install 2 supplied mounting studs into the tapped bosses shown on the left (passenger side) valve covers as shown in ill. 2. Do not overtighten.

Install the four supplied "horseshoe" upper grommets onto engine cover upper mounts as shown in ill. 3. Be sure to fully engage the grommets onto the upper mounts. Install the four lower "hat" grommets by pushing into the lower mounts, then turn one full rotation to fully seat the grommet in engine cover mounting tube. See ill. 4.

**IMPORTANT** Rest left engine cover lower grommets on the lower mounting studs. Do not engage the grommet at this time. Hinge the cover upward to view under the cover. Look for clearance issues with wiring and/or fuel lines. All wiring and or fuel lines must have at least 1/2" of clearance with the engine cover mounts as well as the outer perimeter of the engine cover. Failure to do so could harm components and potentially create an electrical short or cut fuel lines resulting in a fire. Use the supplied cable ties as necessary to retain wiring away from all components. Snip the cable tie ends.

Once all components are secured safely away from the engine cover and mounts, place the left engine cover in position resting on the lower studs. Push down on the lower area of the engine cover just enough to engage the studs. You should feel the grommet snap on. Do not push too hard as the stud may penetrate straight through the grommet. With the lower mounts engaged, push on the upper portion of the engine cover *between* the upper mounts to engage the upper mounts. See ill. 5 and 6.

On the right side, remove the oil cap. Install the right cover in the same manner as the left. Re-install the oil cap.



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