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LSA Lid To LS9 Blower Adapter Instructions

Thank you for your purchase from OKW. If you have any questions about your products feel free to call or email! Copies in Color PDF format are available at our website, OKW-Inc.com under the product page.

This spacer system was designed with every aspect covered. Fitment, performance, and appearance have all been a high priority from conception to shipping! Please read this manual completely before starting this install.

This adapter spacer is designed SPECIFICALLY for use on LS9 blowers where customers want to utilize either a ZL1 or CTS-V LSA blower lid. There are a few details that must be followed to ensure proper operation and fitment. Please read these instructions BEFORE starting your install.

Parts List:

1 Adapter Assembly (Main plate, and small blocker plate)

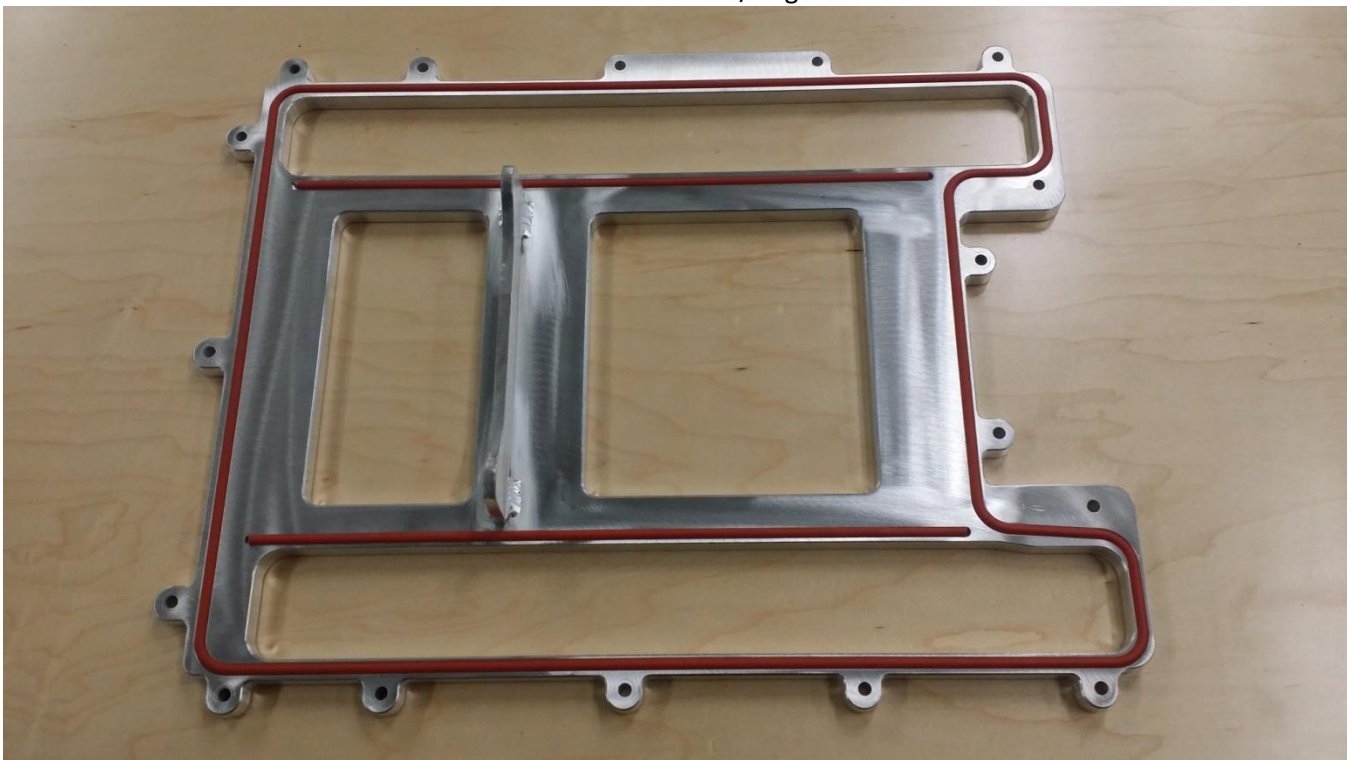
17 35mm Flange Head or Hex Head Bolts

3pc Gasket Cord Material (For Perimeter and 2 Case Seal Strips)

- Once the LS9 Blower is bolted to the engine, take the adapter and set it on top, and install 4 bolts, 1 on each corner to align the blower.
- There is a groove on the bottom side of the adapter main plate. Early versions were welded on, but it caused excessive lead times.
- Insert the blocker plate into the groove, using a small amount of grease, or putting a layer of masking tape on it will hold it in place temporarily.
- Place the assembled adapter onto the blower case, with the blocker installed.
- Ensure that the adapter is sitting flush with the top of the blower case, all the way around. The center blocker plate sits in a cast relief on the blower case, and castings vary from unit to unit.
- If the adapter sits flush, move to the next page. If not:
- Take a block of wood or even a rag, and a deadblow hammer, and tap the top of the adapter, right above where the blocker plate is located. This will imprint where the material is interfering. Grind down the areas, until there is no gap between the adapter and blower case. Failing to do this will cause leaks past the intercooler brick, and possibly boost leaks on the outside of the adapter perimeter.
- Pictured below is the area that will possibly need to be ground down on the blocker plate (note this is an older, welded version):



- Once the adapter sits flat, take it back off, clean it, and install the gasket cord (if it has not already been done).
- For peace of mind, some customer choose to put a small amount of silicone between the blower case and the bottom blocker plate, to make a perfect seal. It is also recommended to put a small bead in the bottom of the groove for the plate to hold it in place once its installed. There is no physical way for the plate to come loose once the lid is bolted down, this is JUST for air leaks around the blocker plate. This usually isnt critical, but its at your discretion.
- Do not stretch the cord to get it into the groove. Take a roller, or even the back of a smooth screwdriver handle with some oil on it, and press the material into the groove. It should stick above the surface slightly to make a compressible seal. Do this for the perimeter and the 2 long strips. You can add a small drop of silicone to the ends of the perimeter gasket, but this usually isn't needed. Once finished it should look like this: (note that this is the BOTTOM side, just in case you forget)
- Note: Pictured below is an older revision, with a welded on blocker plate, and 3/16 gasket cord. All Current 2020 and newer versions are not welded and use an 1/8" gasket cord material.



- Install the adapter back onto the blower, and place the LSA brick gasket into the adapter. The alignment tab will need to be trimmed off with a sharp knife or razor blade.
- Install the LSA lid onto the adapter.
- Take the supplied 17 bolts, and install all of them, but dont tighten them down completely. You may have to shift the adapter and lid slightly to get all the holes to align, the orange gaskets sometimes will push the adapter a certain direction.
- Once all the bolts have been started, and the lid is sitting flush on the adapter, and the adapters is flush on the blower, go ahead and tighten all the bolts to 44 in-lbs, then 89 in-lbs (NOT LB-FT).
- Install the electrical connectors, cooler lines, and anything else you took off.
- Thats it!