



## SEAL-4-GOOD

# TECHNICAL INFORMATION

## *GENERAL INFORMATION*

Percy's offers a very unique product line of reusable gaskets. Three types are included in the line so far. These are collector gaskets; for use on the collector / reducer flange of common aftermarket headers. Header flange gaskets; for use on the head / header flange, and EMR Baseplate gaskets for use on carburetor / intake flanges.

The collector gaskets have some unique features as follows:

- Available in 3 popular sizes; 2 ½", 3", and 3 ½"
- .125 thick "Dead Soft" aluminum
- Solid metal gasket is extremely burn resistant
- Excellent reusability
- Comes with hardware

The flange gaskets have some unique features:

- Available for many popular engines, refer to application / price guide
- Multi-layered for excellent conformability and seal, even on imperfect flanges
- 6 layers of .010" (ten – thousandths) thick "Dead Soft" aluminum totaling .060" (sixty – thousandths)
- Metal gasket is extremely burn resistant
- Excellent reusability

The EMR Baseplate gaskets also have unique features:

- Available for all popular carburetor / throttle body flanges
- Made from a special fuel resistant polymer rubber

- .060 (sixty – thousandths) thick
- Non – stick
- Extremely Reusable

## INSTALLATION INSTRUCTIONS

### Exhaust Gaskets:

- Scrape all old gasket material from each flange.
- Use a large flat file to clean and flatten the header flange surfaces, removing any burrs or welding imperfections.
- Make sure the flange is substantially flat. Most headers are manufactured from very soft steel and can be re-flattened easily.
- Inspect all threaded mounting holes in cylinder head to insure that they are clean and free of any corrosion or debris.
- If using bolts, install bolt in head to insure that there is sufficient thread engagement and the fastener is the proper length. Replace fastener or add washers as needed to adjust.
- Install gaskets and carefully tighten all header fasteners by hand. Start engine and listen for any leaks. Should leak be present, re-tighten fasteners until leak stops. Note: Be careful not to over tighten as this will warp header flanges. Use factory sequence and torques specification where applicable.
- Re-torque Seal 4 Good gaskets 1 – 2 times after the engine has been at full operating temperature and then cooled. Periodically check fasteners for loosening. If the fasteners will not stay tight, there are a few options to try, in order to keep them from loosening:
  - Use **Percy's Split-Lock** bolts
  - Where Split-Lock bolts are not installed, use an appropriate sized lock washer

### EMR Baseplate Gaskets:

- Remove carburetor / throttle body from the intake.
- Remove any gasket material from the flange and clean with solvent and rag.
- Install the gasket. Carefully tighten until sealed. **DO NOT** over tighten. Throttle bodies and carburetor flanges can break from over tightening.

# COMMON PROBLEMS AND SOLUTIONS

Problem: "My Exhaust Gaskets leak."

Cause #1: The customer has not properly matched the gasket with the flanges i.e., they may put a round port gasket with a square port flange.

Cause #2: The customer's header flanges are warped and should be straightened.

Cause #3: The fasteners have loosened and backed out. Refer to instructions for solution.

Cause #4: In rare cases, Seal-4-Good Exhaust Gaskets fail. It is typically due to one of the aforementioned cases.

## COMMONLY ASKED QUESTIONS

Q: "Which way do I install the Seal-4-Good Flange Gaskets?"

A: With the exception of the Big Block Ford Part #66035, all flange gaskets are installed with the smooth side out. There is a smooth rounded side and a sharp cut side, this sharp side goes on the head and the smooth side goes on the header flange.

Q: "Do you make Seal-4-Good gaskets for a different application other than listed in your catalog or on your site?"

A: We are always adding new applications, but at this time we offer only what is in our catalog and on our website.

Q: "What do I torque the fasteners to?"

A: Typical headers are somewhat low quality products. The flanges are made of mild steel that can bend easily. We do not recommend a specific torque for flange fasteners. Alternatively, we tell the user to hand tighten the fasteners in small increments until any leakage stops. This can prevent bending of the flanges, which will result in certain leakage. Again, refer to installation instructions for guidelines on how to keep the fasteners tight.

Q: "Can I port match Seal-4-Good gaskets?"

A: Yes. It is best to use a fine chiseling tool (punch) and a very hard wood to cut the gaskets. They can be ground but it must be done carefully and it does take some time.