



XX CARBON EXHUAUST GASKETS

TECHNICAL INFORMATION

GENERAL INFORMATION

These are the best severe heat application gaskets on the market!

All of our **XX Carbon** exhaust header gaskets are made with Percy's proprietary, 100 percent carbon material construction technology. This unique carbon material allows the gasket to perform long after the point where other gaskets fail.

Some of the unique features of the XX Carbon Gasket line are as follows:

- Proprietary XX Carbon material can withstand long term direct exposure to over 2000° F.
- Superior sealing qualities that allow the gasket to conform to the worst flange surfaces.
- Excellent choice when using nitrous oxide, turbo/superchargers, or other extreme duty engines.
- Exhaust flange and header collector gaskets are available for most popular applications.
- Can be can be custom cut or easily port matched.
- XX Carbon blanks are available in for use with custom applications or ones not currently offered in our catalog.

XX CARBON EXHUAUST GASKETS INSTALLATION INSTRUCTIONS

- Be Careful!! The steel core used in the XX Carbon gaskets is extremely sharp at the edges and can easily cut you if not handled with care.
- Scrape all old gasket material from each flange.
- Use a large flat file to clean and flatten the header flange surfaces, removing any burs 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 torque specifications where applicable.
- Re-torque XX Carbon 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 Percy's Split-Lock bolts are not installed, use an appropriate sized lock washer

XX CARBON GASKETS 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 are too long and require a washer or have loosened and backed out.

Refer to instructions for solution.

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

XX CARBON COMMONLY ASKED QUESTIONS

Q: “Which way do I install the XX Carbon Flange Gaskets?”

A: There is not a “Front” or “Back” side to the gasket. Install the gasket to match your port and bolt hole arrangement.

Q: “Do you make XX Carbon gaskets for an application not listed?”

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

Q: “What do I torque the fasteners to?”

A: Due to their mass produced cost conscious nature, 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. Never exceed factory specified torque values for exhaust fasteners. This can prevent bending of the flanges and/or thread damage, 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 XX Carbon gaskets?”

A: Yes. Use sharp sheers, chisel and block, or tin snips