

O.S. .91/1.05 and O.S. .50/.55 Engine Exhaust Gasket Installation Instructions

NMP exhaust gaskets are a solution for consistently sealing the exhaust header to the exhaust port on the engine. Following the below procedure, the gaskets will last a significant amount of flight time, and in most cases can be reused 3-4 times taking the exhaust on and off.

Preparation:

- 1) Remove all old exhaust gasket material from the engine port, as well as on the exhaust.
- 2) Using 91%+ alcohol or break cleaner, clean both surfaces from any oil and mess. Be sure that the engine is in a position so any remaining fuel in the crank case does not come out the exhaust port during installation.
- 3) Clean the engine bolts and bolt threads (1.05) with 91% alcohol or break cleaner.
- 4) Sometimes the gasket may have a little fuzz from being cut on the router, you can wipe the big parts off with your finger, but small amounts of the fuzz won't damage the engine or change performance.
- 5) Do not soak or apply any oil to the NMP gasket.

Installation:

- 1) With both the engine and exhaust prepared run the bolts through the bolt holes and put the gasket on the exposed bolt. It can be installed on either side and there is no top or bottom.
- 2) Snug up the exhaust and then evenly tighten to crush the gasket a tiny bit. Do not apply any Loctite to the exhaust bolts.
- 3) With the exhaust tight, run the engine for 4-5 minutes under normal flight conditions. Land and immediately retighten the exhaust bolts while still warm. You'll feel the gasket crush a bit more. After tight, let the engine and exhaust completely cool before the next flight. After cooled, the exhaust is fully seated and ready for normal full flights.

Maintenance:

- 1) Periodically check to make sure there are no leak spots around the exhaust joint. If there is no leaking, likely the pipe is still nice and tight.
- 2) If you remove the exhaust keep the gasket dry from fuel/oil. When you remount the gasket, use the same orientation that you used previously.
- 3) If the gaskets show signs of cracks or crusty parts, it is better to discard and install a new one to prevent the gasket from falling apart when tightened.

Warranty:

NMP warranty covers factory defects such as miscut gaskets or imperfections in material. Failure to install per the above instructions voids warranty. There is no clear number of times each gasket can be reused as that is dependent on the condition of the engine and exhaust surfaces.