

## High performance exhaust system installation guide.

Before you install your new exhaust system make sure the exhaust gasket surfaces are clean and flat with no corrosion or pitting, failure to do so may result in exhaust leakage and possible CO poisoning in the cabin of the aircraft.

Test fit the exhaust system loosely to check for proper clearance and fit of the pipes and collectors, you may need to modify the lower cowling and firewall on some aircraft.

Make sure there is sufficient clearance in all areas to ensure that no excessive heat and possible burning of any parts exists. In some cases you will need to install a heat deflector around an engine mount, you may also elect to install deflectors if the pipes are too close to other components.

Use anti seize compound where the pipes slip into each other as stainless can gall and seize the pipes in place.

After they are checked for proper fit proceed to install the headpipes with gaskets in place, then torque to the manufacturer's specs. (It is best if the whole system is fitted and left in place before final tightening of the headpipes). Next fabricate a collector hanger or hangers, the hanger can be attached to the engine case or engine mount, it needs to be able to flex for engine movement.

After this is done use AN 3 bolts of the correct length to hold the headpipes to secondary pipes in place, they are not to be tightened fully and need to be slightly loose to allow expansion and contraction of the cylinders as well as engine movement, make sure you use locking nuts made to withstand high temperatures and not ones with nylon inserts, you can also use castle nuts and cotter pins.

Test run the engine and check for any problems and correct them, re torque the nuts holding the flanges if necessary.

If you have further questions contact us at: (604) 576 9871 Or email us at:

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