



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 firewall on some aircraft.

Make sure there is sufficient clearance in all areas to ensure that no excessive heating and possible burning of any parts exists. In many 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, torque to the manufacturers 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 does need 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 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, correct any problems, re torque the headpipes if required.