

Problems with Falcon Stainless Steel Exhaust Systems

Sometime back I asked the list if anyone had discovered a stainless exhaust system that fit with a minimum of problems. The consensus was that Falcon Systems appeared to have their quality control issues straightened out. So I ordered a system From a Moss distributor. Here's what I found, starting at the front:

There is a picture on page A03 Moss Fall/Winter 2007 Moss needs some engineering help. Their drawing doesn't correct a thing.

The Flange itself is the most bazaar thing in this whole set- up. It is obviously laser-cut, holes and all.

The center to center distance between the flange holes is 2.365. The center to center distance on the exhaust manifold studs is 2.493.

That makes the Falcon holes 1/8" too close together.

So what did the brilliant engineers at Falcon do? They made the holes bigger. (.470) But not quite big enough, as I had to file about .030 on each hole to allow the flange to go over the manifold studs which are .312 Dia.



#Photo 1. Flange is welded on exhaust pipe crooked. The forward pipe from the manifold to the muffler has the flange welded on crooked, swinging the pipe inward. It jams against the rear pipe and won't allow the flange to lay flat against the manifold. I only found this out after having to file the flange holes to get it on the manifold.

Remedy: Heat pipe just below the flange and pull it out bit by bit. Also see photos 4 and 5.



Photo 2 Bracket stud is about 1" off center. The Falcon hanger at the rear of the muffler/front of the tail pipes is off-center with a bolt welded in. My old pipes had the bracket hole centered between the pipes, I can't move the pipes over as the muffler hits the rocker and the pipes won't lay in the relief in the outrigger.

Remedy: Saw off Falcon bracket. Make up a bracket to clamp both pipes with a stud on center. See also photos 3, 8, 9 and 10.



Photo 3 and about 1/2" too far aft.



Photo 4 Pipe interference



Photo 5 pipe interference

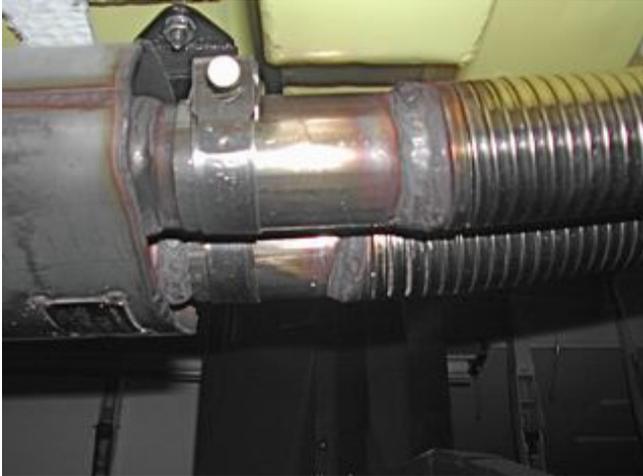


Photo 6. About 1" cut off of outside pipe. The front pipe is about 1" too long at rear of the flex area. This means the part that slips on the muffler will have to be cut off.

The front bracket on the muffler is in the right place, although it could be 1/2" shorter.



Photo 7 Rear hanger W/ 1/2" spacers. The angle clip at the extreme rear is welded on to the tail pipes about 1/2" too far forward.

Remedy: Make two 1/2" spacers to put behind the mounting bracket.



Photo 8 Falcon bracket location



Photo 9 My homemade bracket

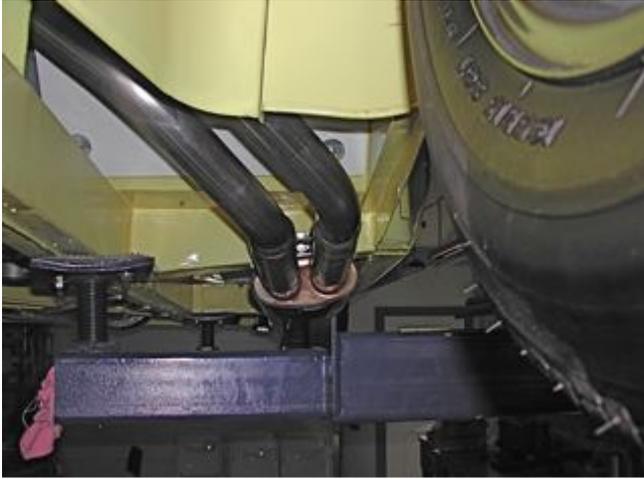


Photo 10 Corrected pipe