

# Riffraff Diesel 99-03 HPx Install



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**IMPORTANT:** Before starting installation, please be sure that all items which were supplied with the kit are accounted for.

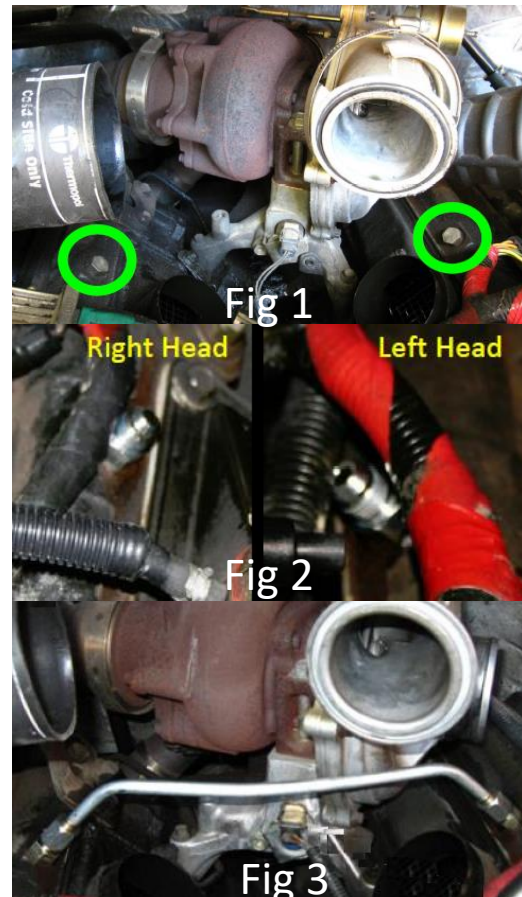
[Riffraff Diesel HPx Line with fittings.](#)

## Recommended Tools:

-Standard Wrenches

## Instructions:

- 1) Locate the oil rail plugs on the left and right head. (fig 1) **Note: Turbo spider is shown removed for clarity, it is not required to remove it for the HPx install.**
- 2) Thoroughly clean all grime and debris from the area by cleaning with a light solvent like brake cleaner.
- 3) Remove the oil gallery plugs.
- 4) Install the ORB-JIC Fitting into the open ports from the oil gallery plugs. Lubricate the O-rings with clean engine oil and tighten until the flange is flush with the port surface. Torque 24-26 ft-lbs. (fig 2)
- 5) Align the tube "B" nuts to the fittings and snug down evenly. Then place a wrench on the head fitting and tighten each "B" nut by holding the fitting in the head with one wrench and tightening the nut with another wrench. Make sure the nut is fully tightened to ensure no leaks.. Verify the tube is not contacting anything. (fig 3)
- 6) Once all connections are torqued, start the engine and allow it to idle while you check the connections for leaks. (you may have a slightly rough idle after installing the HPX, this is normal as you have introduced air into the heads and it will need to purge. After roughly 25 miles it should be fully purged out.)
- 7) After driving check for leaks again. If found, tighten the B-nut again.



Credit for pictures and information to big poppa pump, F250\_, Woodnthings, and the whole FTE crew. Thanks!

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