

Installation Guide

PPE Engineering Front Mount Intercooler Pipes
for Mitsubishi 3000GT VR4 and Dodge Stealth RT/TT



Pre-Installation:

1. Remove all stock intercooler pipes and intercoolers (Refer to Factory Service Manual for removal instructions)
2. Install Front Mount Intercooler. (*Refer to FMIC installation section*)
3. Unbolt Oil Cooler and move forward at least one inch.
 - a. Remove upper bracket
 - b. Bolt lower hole to existing hole where factory intercooler was.
 - c. Mark hole for upper side bracket hole
 - d. Drill and tap whole and attach with a bolt and washer.
4. Unbolt bracket that attaches clutch vacuum pipe to fuse box in engine compartment. (by radiator overflow jar)

Installation:

6-speed cars may require additional modifications to clear the shifter counter weight. Moving the Radiator overflow tank will create more room and is recommended on 6-speed cars.

Modifying or removing the counter weight on the tranny linkage will aid in install on 6-speed models. It is not mandatory but will make install a lot easier.

1. Front turbo pipe 1
 - a. Remove front turbo inlet hose
 - b. Remove upper radiator hose.
 - c. Unbolt radiator brackets (removing the radiator will aid install but is optional)
 - d. Install 1.5" hose on turbo outlet. (*use WD40 or some oil to aid installation, it is a tight fit)



- e. Install front turbo pipe.



- f. Do not tighten clamps until all pipes are in place.
- g. Replace radiator and hose.

2. Front turbo pipe 2

- a. Install 2" hose onto both ends of the pipe.
 - i. Tighten the clamp on the curved 90 degree end. (you will not be able to when the pipe is installed)



- b. Unbolt AC lines
- c. Put turbo pipe 2 in place but do not tighten clamps.



3. Rear turbo pipe 2
 - a. Set pipe in place with long end towards the turbo and the short end down into the fender well.



4. "Y" pipe
 - a. Install 2" hose on short pipe.
 - i. The short pipe may be at an angle. Install hose so that it is almost parallel with the long pipe.
 - b. Install 3" hose on the Intercooler.
 - c. Install "Y" pipe with front turbo pipe 2 and rear turbo pipe 2.
 - i. Push "Y" pipe up while pushing the turbo pipes down from above.
 - d. Push "Y" pipe back and into the 3" hose on the Intercooler.



5. Rear turbo pipe 1
 - a. Install O-ring onto end of pipe.



- b. Apply a little WD40 or oil to the O-ring
 - c. Install pipe under throttle cable
 - d. Attach to rear turbo pipe 2 with 2" hose
 - e. Push O-ring end into rear turbo
 - f. Install bolt into rear turbo but do not tighten.



6. Large 3" Intercooler pipe
 - a. Install 3" hose onto long end of the pipe
 - b. Install pipe from underneath and push up into engine compartment.
 - i. Move lower radiator hose and vacuum line out of the way.
 - c. Install pipe to Intercooler
 - d. Attach bracket to body with old intercooler bolt. Do not tighten yet.



7. Throttle Body pipe
 - a. Install hose barb fitting using Teflon tape on the threads.
 - b. Install pipe to throttle body and large pipe with 3" hoses.
 - c. Install BOV hose to throttle body pipe.



8. Final assembly
 - a. After all pipes are installed tighten all of the 2" clamps and the rear turbo bracket bolt.
 - b. Put car in reverse.
 - c. Hold large 3" pipe away from clutch linkage and tighten bracket bolt and 3" hose clamps.
 - d. Install vacuum hose on barbed fitting.

Technical Support:

For installation questions please email us at:
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