

335D ATM Intercooler Install

- 1) Remove air duct over radiator
- 2) Unclip cold side boost hose at throttle body and push out of way
- 3) Remove radiator fan/fan shroud (steps 3 and 4 can also be reversed if necessary)
- 4) Remove cold side boost hose completely
- 5) Remove stock intercooler
- 6) Remove turbo hot side boost hose
- 7) Install machined turbo fitting
 - a. Clean inside of included turbo fitting and turbocharger outlet with cleaner (brakeclean, acetone, etc)
 - b. Test fit machined turbo fitting onto turbo outlet. If it does not slip on either slight heat may be needed to install (heat gun or plumber's torch) or LIGHT and even tapping with a hammer
 - c. Apply included Loctite 620 onto leading edge of turbo outlet (completely around)



- d. Fully secure fitting onto turbo outlet



- 8) Lift intercooler into place to test fit. Some slight trimming of plastic may be necessary on the passenger side and/or in front of the intercooler to fully seat it into position. Remove intercooler after test fitting

- 9) Place turbo side silicone hose onto turbo fitting (as noted below) with 2-1/2" (78/70) clamp, do NOT tighten yet.



- 10) Lift intercooler into place and check for proper hose angle/orientation. Adjust as necessary. Temporarily fasten intercooler using included fender washers.
- 11) Once hose orientation is known tighten turbo hose end clamp.
- 12) Place a clamp on the other end of the turbo side hose (intercooler end) and lift the intercooler back into place while pushing the inlet into the hose
- 13) Fasten intercooler with washers and fully tighten up remaining turbo side clamps.



14) Prepare cold side hose

- a. Cut off band that holds lower elbow (dremel works well)
- b. Remove OEM elbow
- c. Put on new elbow at approximate location below with 2-1/4" clamp



15) Replace radiator fan/shroud

- 16) Install cold side hose using 2-1/2" clamp and check orientation and fitment. Adjust as necessary. Hoses are shipped with a little extra length for fitment variations and oil cooler clearance. If any portion needs to be shortened it can be done with a clamp and razor blade (included boost clamp works well as a guide). See here:

<http://www.verociousmotorsports.com/Articles/VM-Articles-Silicone-Hose-Tips-and-Tricks>



- 17) When everything is properly fitted and all clearances are checked tighten all clamps and intercooler mounts.

- 18) Reinstall remainder of parts