

### ***Tools Required***

- \* 10 mm Wrench
- \* 10 mm Socket 3/8 Drive
- \* 3/5 Drive 6" Extension
- \* 11 mm Deep Well Socket 3/8 Drive Ratchet
- \* Razor Knife
- \* Flat Blade Screwdriver
- \* Large Pair Channel Locks
- \* Pair Needle Nose Pliers

### ***PFS Intake And Intercooler Installation Instructions*** ***Removal Of Stock Intercooler***

1. Disconnect battery, negative terminal first, remove battery, box and tray.
2. Remove fresh air duct from front of engine bay by removing two (2) 10mm bolts.
3. Remove muffler intercooler hoses from plastic intake tubes as shown in ( DIAGRAM R1)
4. Disconnect coolant air separator bottle from intercooler.
5. Remove three (3) inches of length of hose leading from the filter neck to the air separator bottle. Remove length from water neck side as shown in (DIAGRAM R2).
6. Remove bolts from upper and lower intercooler mounting brackets.
7. Remove two (2) bolts from A/C receiver drier mounting bracket.  
  
**NOTE: DO NOT remove two (2) bolts from lines, system is under pressure.**
8. Gently lift receiver drier out of duct towards drivers side of vehicle, using caution not to kink lines.
9. Remove stock intercooler and duct assembly as a unit.
10. Remove clamps and hoses from air box.
11. Remove three (3) air box mounting bolts.
12. Lift air box out of engine compartment.
13. Remove three (3) air box mounting brackets as shown in (DIAGRAM R3).



### **Installation**

1. Fit PFS Intercooler Duct in same location as factory unit.
2. Fit previously assembled PFS Intake into intercooler duct with hose provided and clamp in place as shown in (DIAGRAM A1).
3. Refit factory intake hose from PFS Intake System to primary turbo inlet

**NOTE: Underside of intake should sit firmly on inner chassis apron. It may be necessary to re route coolant recovery hose, so as not to pinch it between PFS intake and chassis as shown in (DIAGRAM A2).**

4. Slide two (2) muffler intercooler hoses provided over PFS Intercooler inlet and outlet as shown in (DIAGRAM A3).
5. Fit PFS Intercooler into engine compartment and ensure that intercooler sits firmly on cross-member.
6. Slide muffler intercooler hoses forward over plastic intake tubes and clamp in place with four (4) clamps provided as shown in (DIAGRAM A4).
7. Bolt PFS Intercooler Duct to PFS Intercooler using two (2) 6mm bolts from removal of stock air box brackets and secure duct to intercooler.
8. Re-position A/C receiver drier in factory location and bolt in place.
9. Bolt coolant air separator bottle to tab on PFS Intercooler.
10. Intake hose plumbing requires lengthening of hoses between charge relief valves and PFS Intake with hose and clamps provided as shown in (DIAGRAM A5).
11. Install "T" fitting in exhaust line from air pumps as shown in (DIAGRAM A5) also using hose and clamps provided.

**NOTE: When installing "T" fitting, restrictor holes should- face rear of engine compartment.**

12. Remove plastic 90 degree bent tube from your stock intercooler inlet if you have not previously done so.
13. Fit 90 degree tube to PFS Intake with hose provided and clamp in place as shown in (DIAGRAM A6).
14. Remove muffler collar from large diameter end of factory intake tube to secondary turbo.
15. Slide large diameter end of factory intake tube over 90 degree tube (This will require some effort). Re-fit other end of tube to factory location with factory clamps.

