



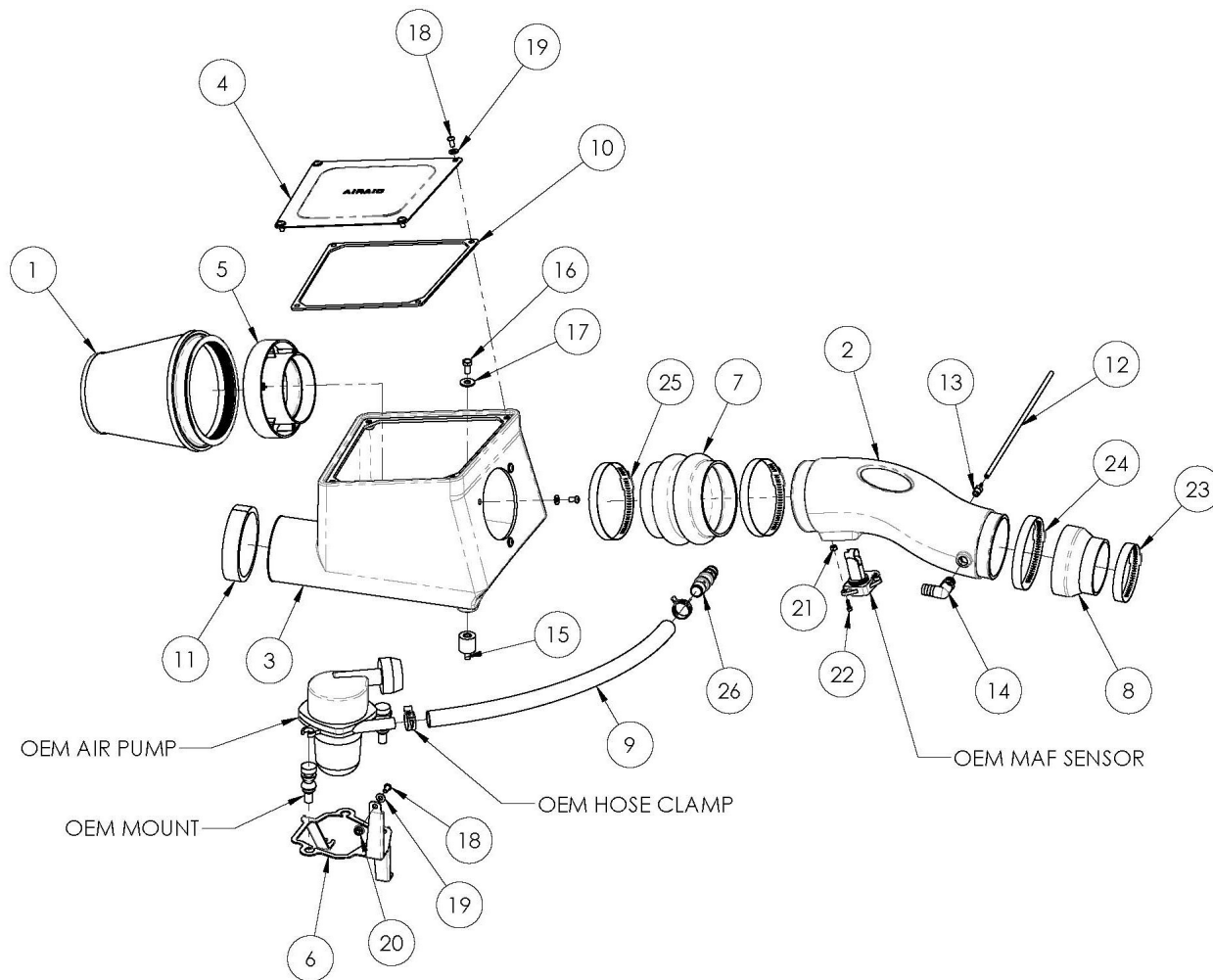
Installation Instructions

For Part Numbers:

- 510-312 700-462 Airaid Oiled Media Filter
- 511-312 701-462 SynthaMax Dry Media Filter - Red
- 512-312 702-462 SynthaMax Dry Media Filter - Black
- 513-312 703-462 SynthaMax Dry Media Filter - Blue

2012-15 Toyota Tacoma
4.0L V6

Component Identification



- | | | |
|-----|-------------------------------|---|
| 1. | Airaid Premium Filter | 1 |
| 2. | Airaid Intake Tube | 1 |
| 3. | Cold Air Box | 1 |
| 4. | Air Box Lid | 1 |
| 5. | Filter Adapter | 1 |
| 6. | Air Pump Bracket | 1 |
| 7. | Hump Hose | 1 |
| 8. | Reducing Coupler | 1 |
| 9. | 3/4" Hose, 20" | 1 |
| 10. | Airbox Gasket | 1 |
| 11. | Foam Weather Strip | 1 |
| 12. | 1/8 x 20 1/2" Vacuum Line | 1 |
| 13. | 1/8 NPT Barbed Fitting | 1 |
| 14. | 3/8 NPT Barbed Elbow | 1 |
| 15. | M8 CAB Mount | 3 |
| 16. | 8 mm x 1.25 x 16 Bolt | 3 |
| 17. | 5/16 Flat Washer | 3 |
| 18. | 1/4-20 x 1/2 Button Head Bolt | 8 |
| 19. | 1/4 Flat Washer | 8 |
| 20. | 1/4-20 Flange nut | 1 |
| 21. | #8 spacer | 2 |
| 22. | 8-32 Socket Head Screw | 2 |
| 23. | #48 Hose Clamp | 1 |
| 24. | #64 Hose Clamp | 1 |
| 25. | #68 Hose Clamp | 2 |
| 26. | 3/4" Barbed Fitting | 1 |
| 27. | Harness extension | 1 |

Note: This intake system is not compatible with the factory engine cover.

Installation Note: In addition to common hand tools, this install requires the use of a heat gun, wire crimpers, and wire strippers. A successful install of this intake requires component relocation, AC line reconfiguration, and basic 12V wiring skills. Please read through the instructions in their entirety and make sure all steps are clear before attempting the install. Contact Airaid @ (800) 498-6951 8:00 AM - 5:00 PM MST weekdays for questions regarding this intake or its installation.

Full color instructions can be viewed on our web site at Airaid.com. Use the **Product Search** function to find your part number, and click **View Details**.

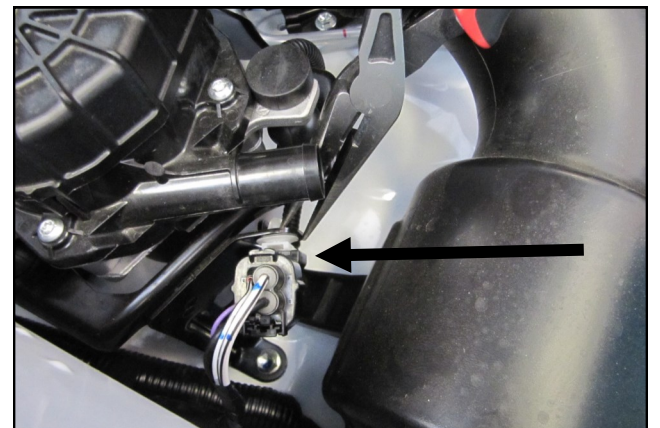


Disconnect The Negative Battery Terminal.

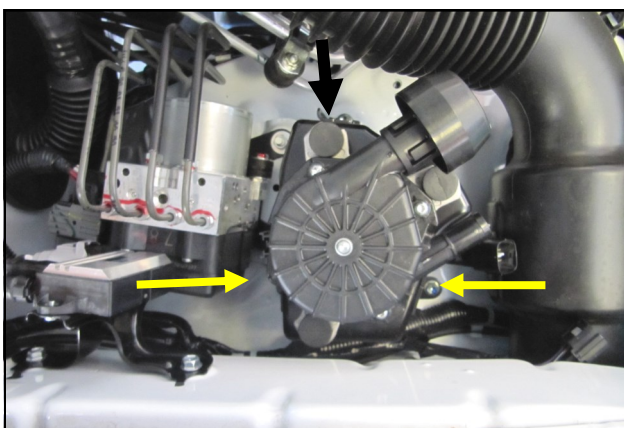
1. Using a 10mm Socket, remove the two acorn nuts on the top of the motor and remove the engine cover.



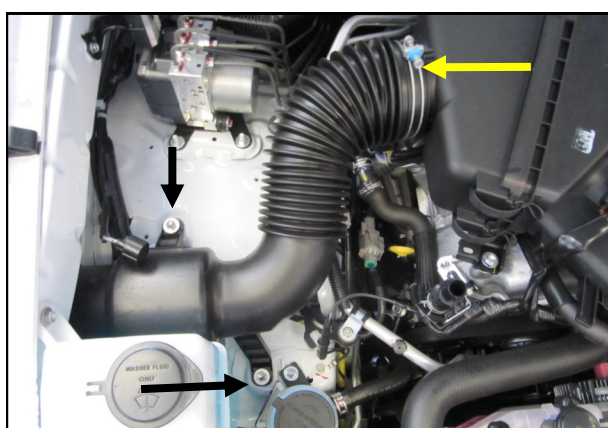
2. Compress the spring clamps on each end of the factory air pump hose and remove it from the vehicle.



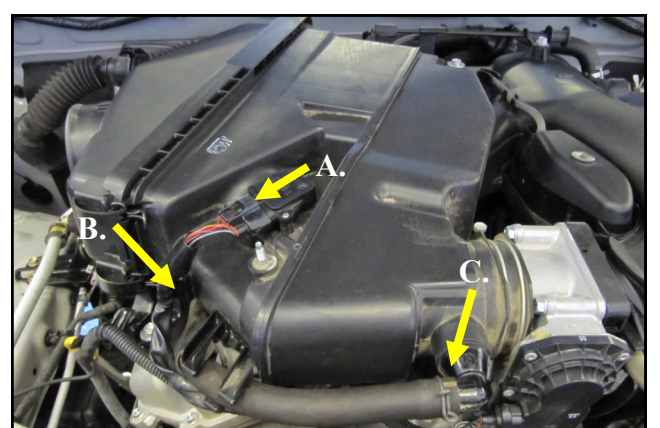
3. Separate the wiring harness from the air pump bracket and disconnect the pump from the vehicles wiring harness.



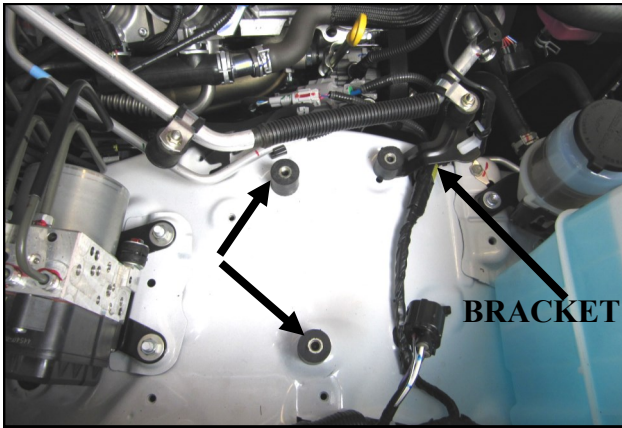
4. Remove the three 6mm bolts fastening the air pump to the inner fender and remove the air pump from the vehicle.



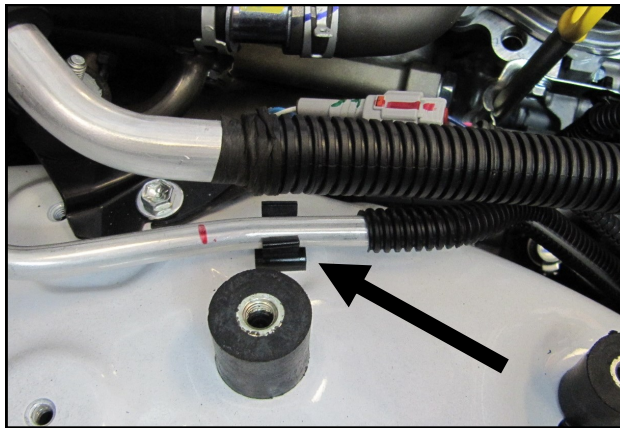
5. Loosen the clamp on the factory intake tube and remove the two 8mm bolts securing the other end on the inner fender. Slide the intake tube out from the inner fender hole and set it aside.



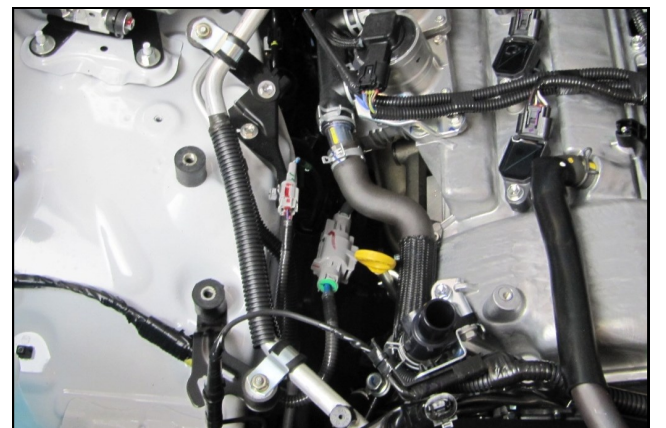
6. A.) Disconnect the Mass Air Flow meter.
B.) Pry the wire harness anchor out of the airbox.
C.) Disconnect the crankcase breather line.
Loosen the clamp on the throttle body side of the factory airbox and remove the two 6mm bolts securing it to the motor. Remove the entire airbox assembly from the vehicle.



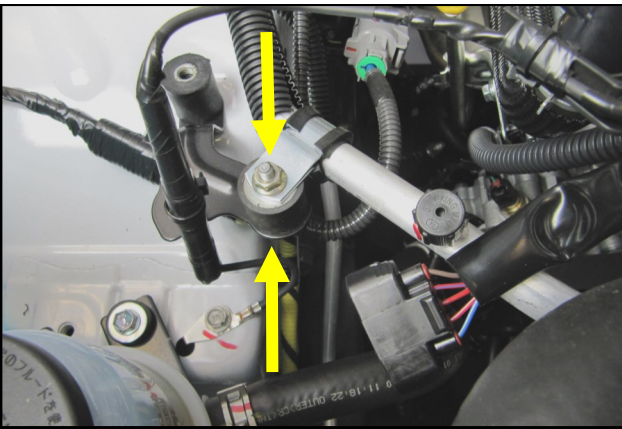
7. Install two of the M8 CAB Mounts (#15), hand tight, into the weld nuts on the inner fender as shown. Use the third CAB Mount to replace the 8mm bolt holding the A/C bracket.



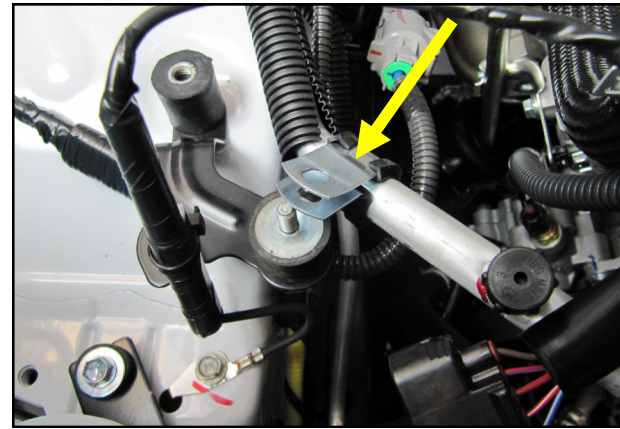
8. Unclip the thin AC line from the fender clip and remove the clip from the vehicle.



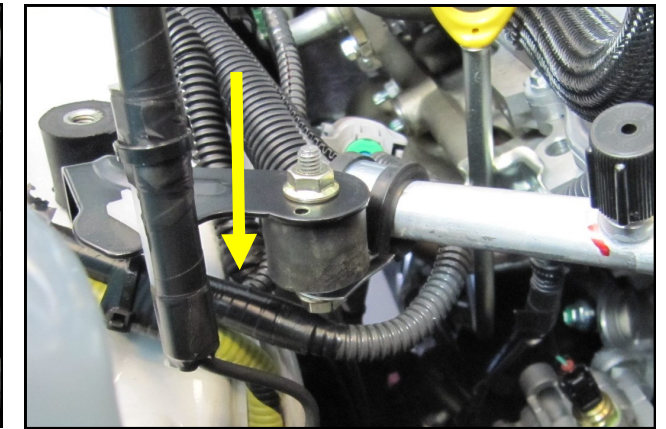
9. To create enough clearance in the inner fender area for the intake system, the AC lines will need to be re positioned so that they will lay flat and side by side.



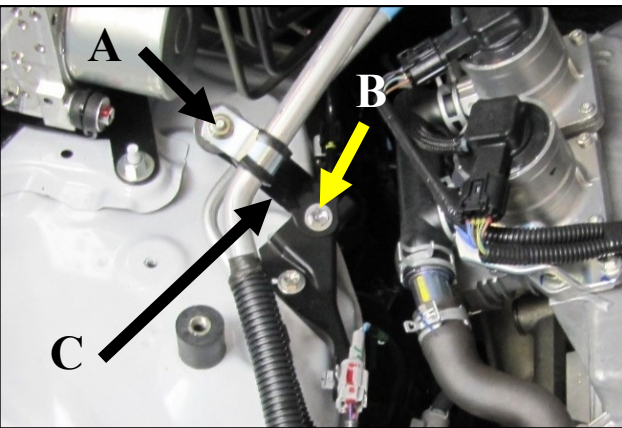
10. Reconfigure the Forward AC line mount. Remove the upper and lower 6mm nuts on the front AC line mount.



11. Separate the line from the vibration isolator and remove the clamp. Flip the clamp upside down from its original position and reinstall the clamp back onto the line.



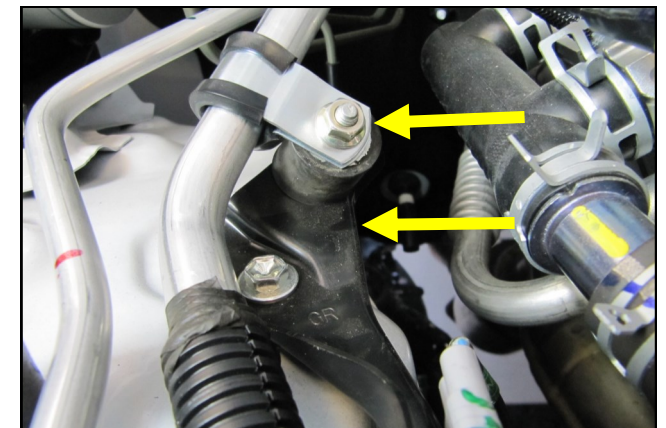
12. Remount the vibration isolator Under the factory bracket and re secure the AC line using the OEM 6mm nuts.



13. Reconfigure the Rear AC line mount.
 A. Remove the 6mm nuts and vibration isolator on the rear AC line mount.
 B. Remove the 6mm bolt from the line bracket.
 C. Remove the line bracket from the vehicle. It will not be reused



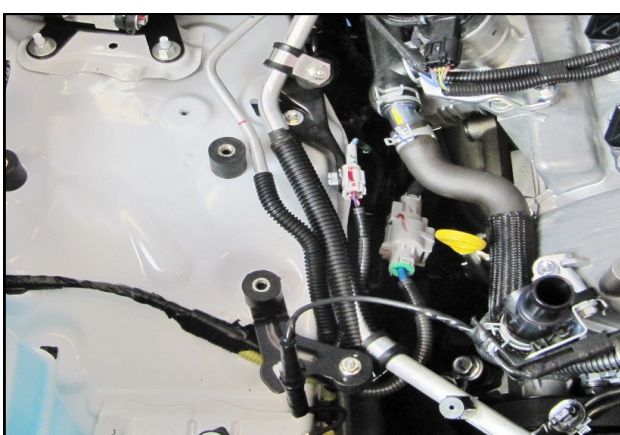
14. Transfer the vibration isolator into the bolt hole from step 13B. Separate the clamp from the AC line. Flip the clamp upside down from its original position and reinstall the clamp back onto the line.



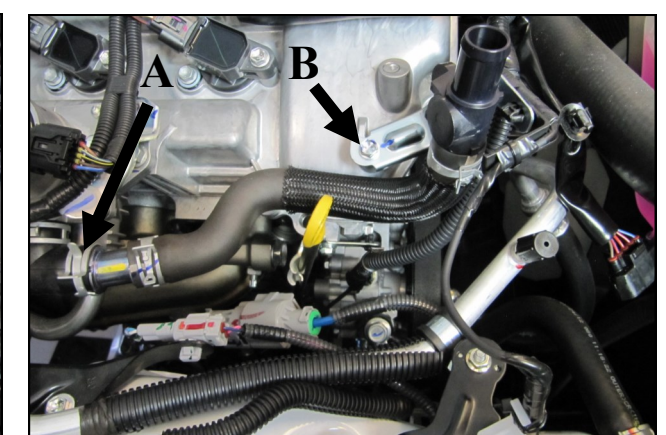
15. Remount the AC line to the vibration isolator using the OEM 6mm nuts.



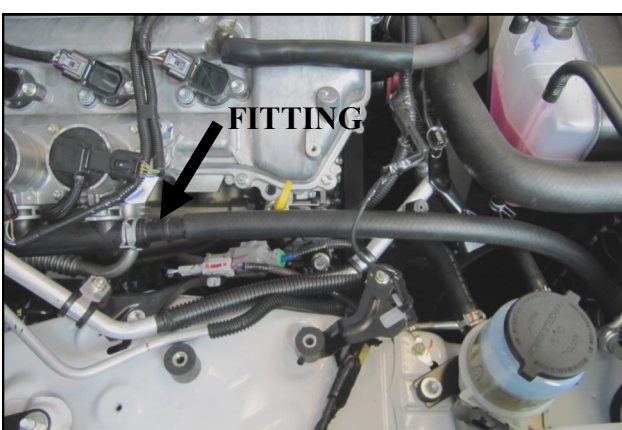
AC line configuration BEFORE



AC line configuration AFTER



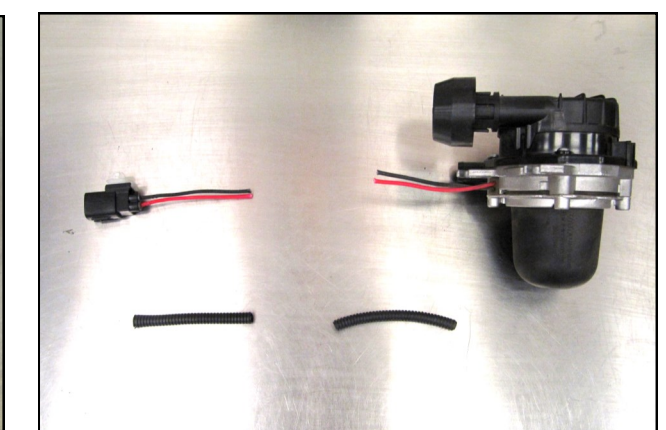
16. Remove the air injection plumbing.
 A. Compress the spring clamp on the manifold hose and remove the hose and the metal insert.
 B. Remove the 6mm bolt from the bracket on the valve cover, disconnect the wiring harness, and remove the air tubing, bracket and plastic fitting from the vehicle.



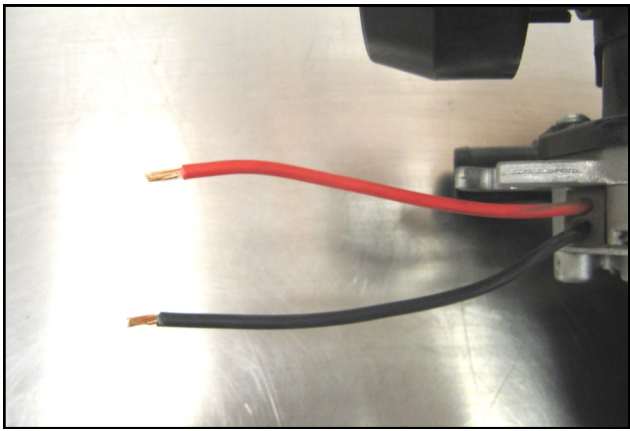
17. Replace the OEM plumbing with the 3/4" hose (#9) and the 3/4" Barbed fitting (#26). Route the hose towards the radiator area of the vehicle for now.



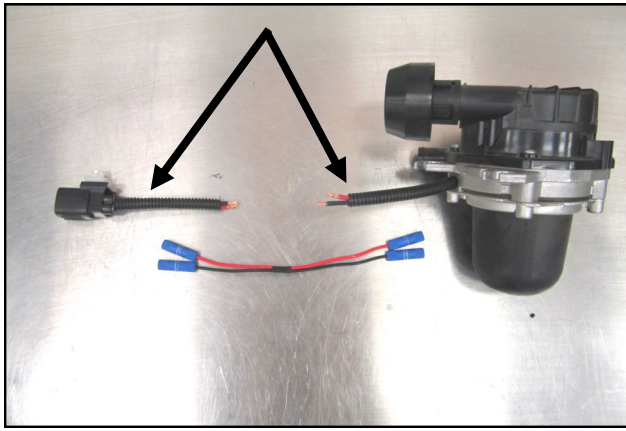
18. Separate the air pump from the rubber mounts on the bracket and place it on a work bench.



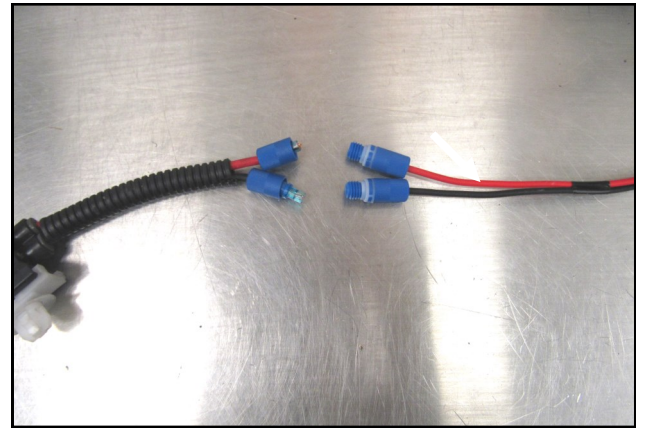
19. Cut the air pump wire harness in half and remove the factory loom. Early models will have two Primary wires, Red and Black. Later models will have two Secondary White wires in addition to the Primary wires.



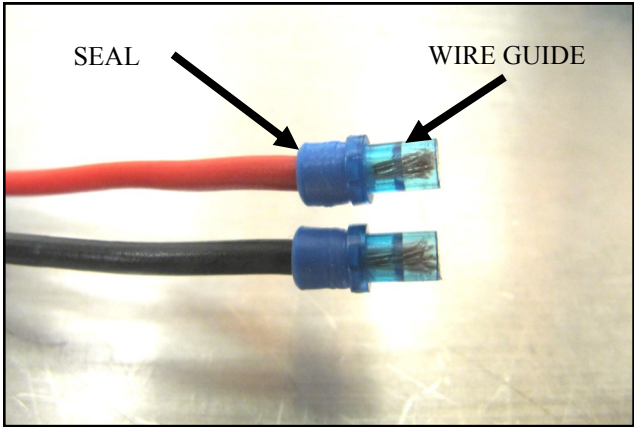
20. Carefully strip the factory wires back 3/8".



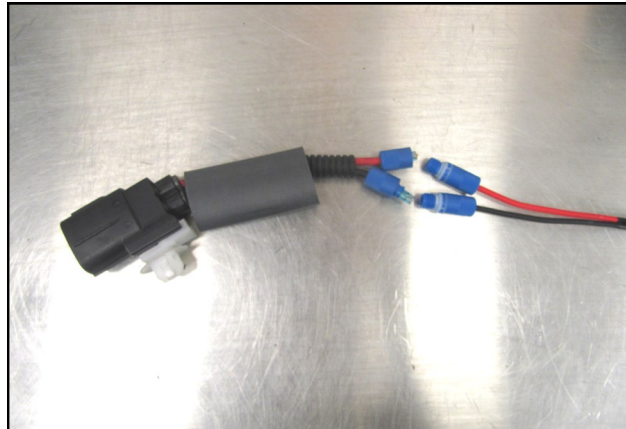
21. Cut 1 inch from each piece of the factory wire loom and re install onto the pump and connector wires.



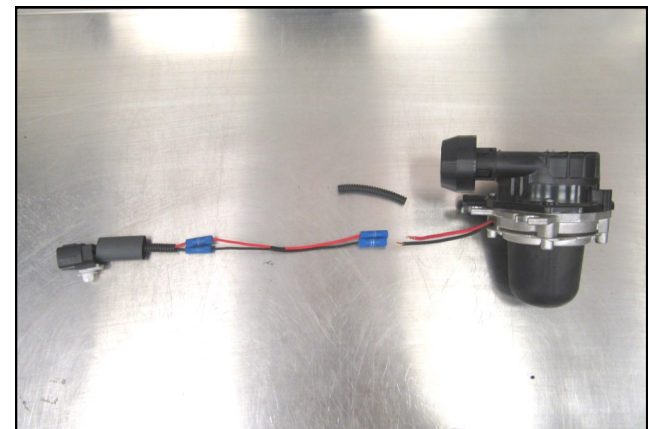
22. Pass the stripped wires through the Posi lock® connector cap and into the seal.



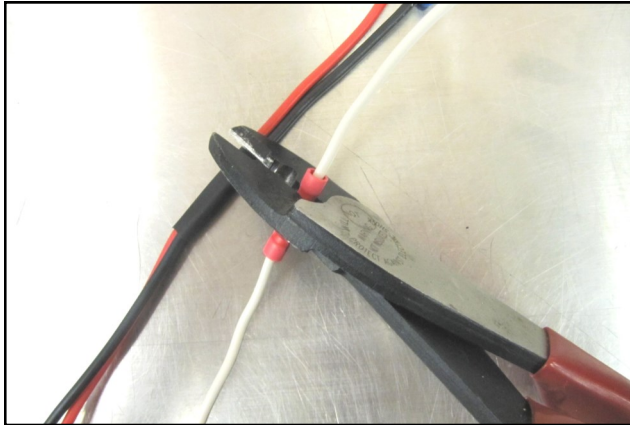
23. Twist the wire as you insert it into seal and stop at the end of the wire guide.



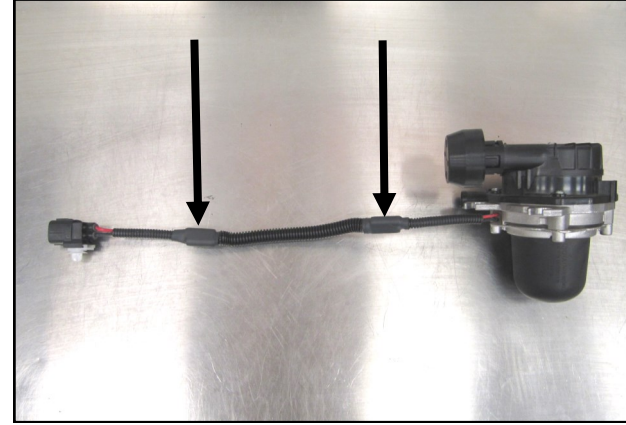
24. Slide the large heat shrink tubing on to the wiring harness. Hand tighten the threaded female cap and wire into the Posi Lock® connector.



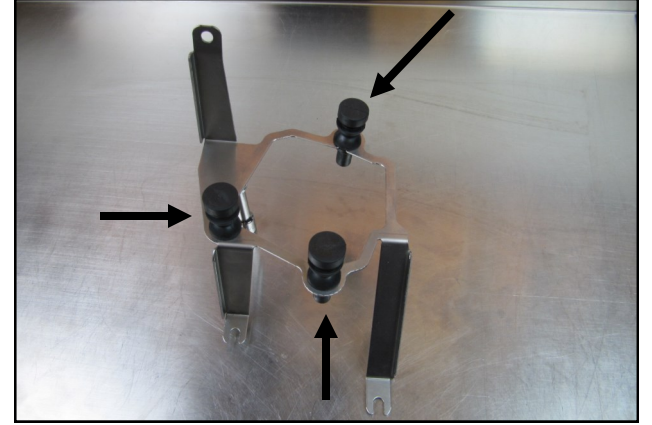
25. Repeat step 24. on the other end of the harness.



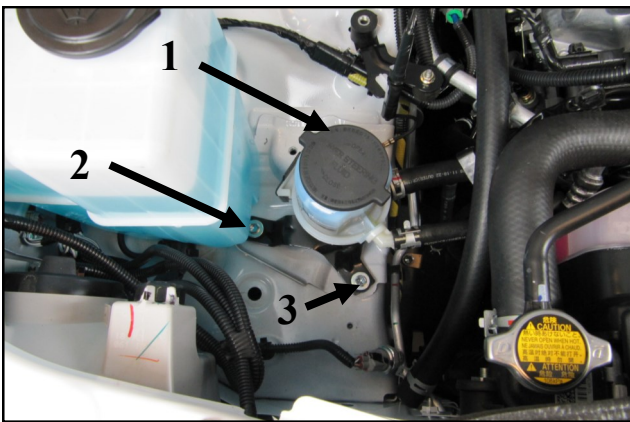
26. On vehicles with the two Secondary, White wires, these will need to be extended as well. Carefully cut and strip the White wires back 3/8" and crimp in the supplied extension wires.



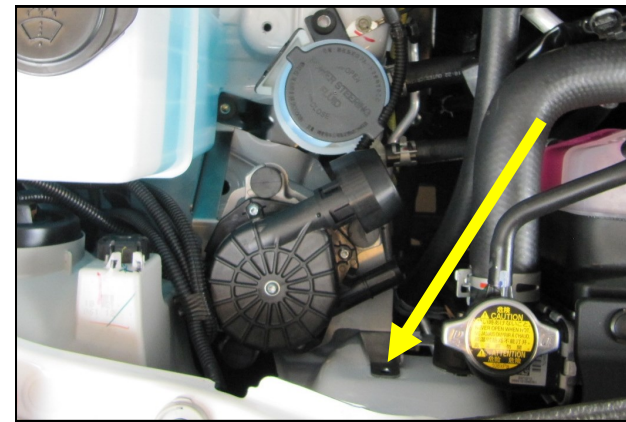
27. Slide the supplied split loom onto the Airaid extension wiring. Carefully position the loom and heat shrink and apply heat to complete the harness extension..



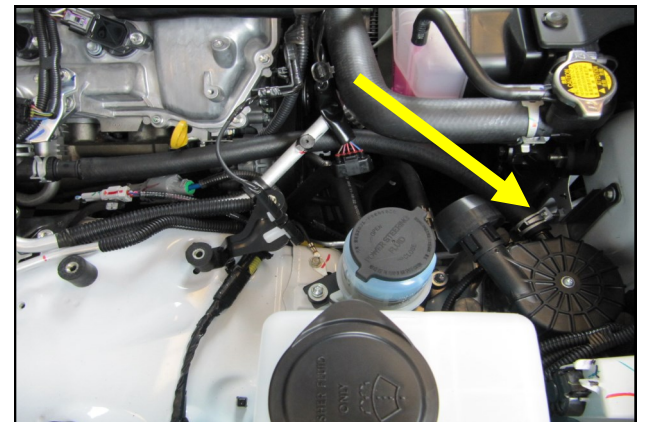
28. Transfer the three rubber air pump mounts from the factory bracket into the Airaid Air Pump Bracket (#6) and re mount the pump.



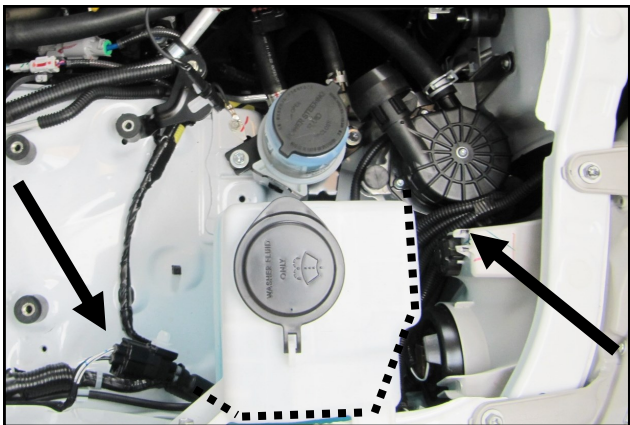
29. Remove the three 6mm bolts securing the power steering reservoir bracket to the inner fender.



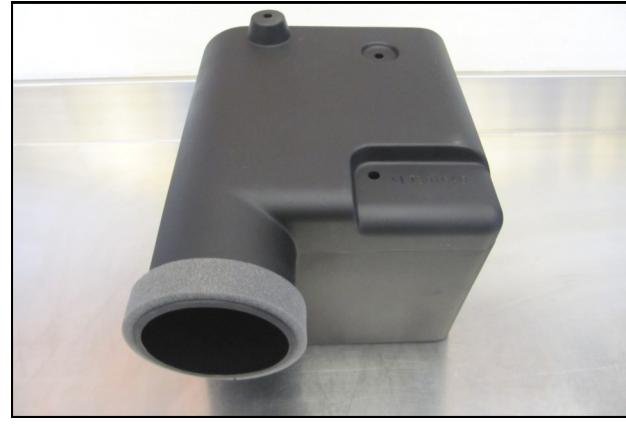
30. Reinstall the air pump assembly underneath the power steering reservoir bracket in the number 2 and 3 bolt holes from step 29. Finish the install by bolting the third Bracket tab to the vehicle using the 1/4-20 Button Head Bolt (#18), 1/4" Flat Washer (#19), and 1/4-20 Flange Nut (#20).



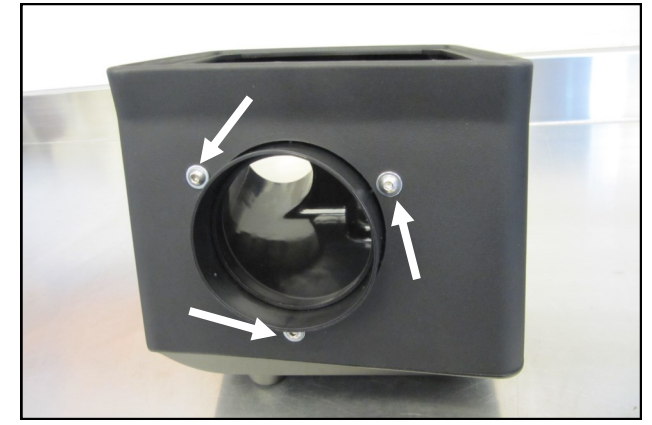
31. Connect the 3/4" hose from step 17 to the air pump outlet and re use an OEM spring clamp to secure it.



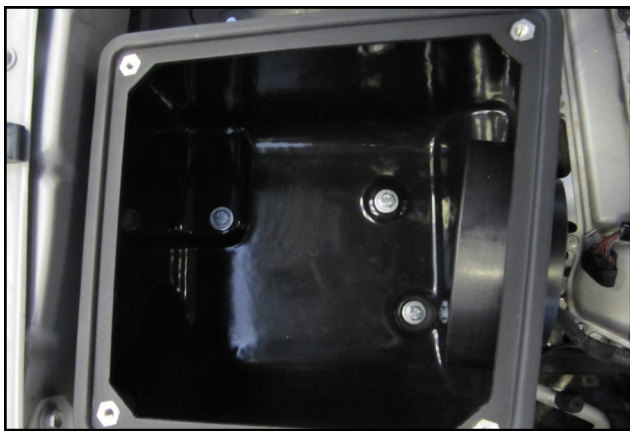
32. Route the air pump harness behind washer reservoir and reconnect it to the main vehicle harness



33. Apply the self adhesive, Foam Weatherstrip (#11) onto the air inlet on the Cold Air Box (#3).

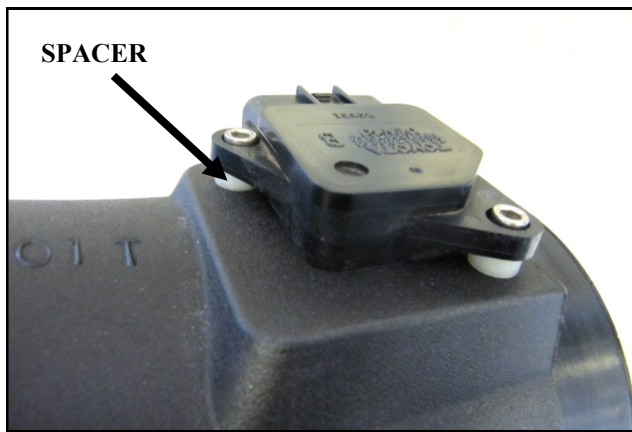


34. Mount the Filter Adapter (#5) to the Cold Air Box, as shown, using three 1/4-20 x 1/2" Button head Bolts (#18) and 1/4" Flat Washers (#19).



35. Mount the Cold Air Box onto the CAB Mounts using the three 8mm Bolts (#14) and 5/16 Flat Washers (#16).

Verify that sufficient clearance for the reconfigured AC lines has been made.



36. Transfer the Mass Air Flow sensor from the factory airbox, into the Airaid Intake tube and secure using the two #8 Spacers (#21) and 8-32 Socket Head screws (#22). Do not use the factory screws.



37. Install the 1/8" and 3/8" barbed fittings (#s 13 and 14) into the Airaid Intake Tube as shown.



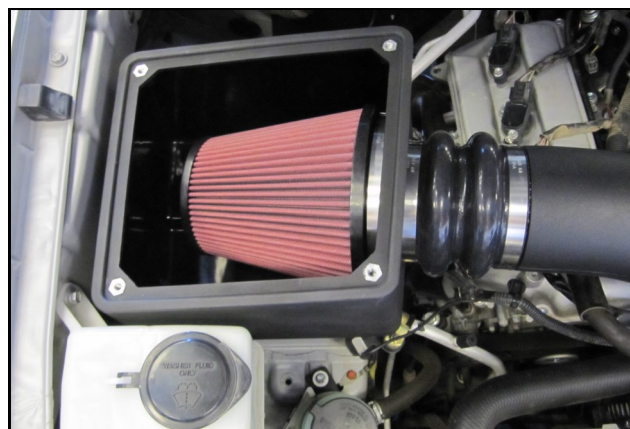
38. Slide the Hump Hose (#7), and two #68 Hose Clamps (#25), onto the Intake Tube as shown. Slide the Reducing Coupler (#8) and the #48 (#23) and #64 Clamps (#24) on the other end of the Intake Tube. Leave the Clamps loose for now.



39. Install the Airaid Intake Tube onto the Cold Air Box and the throttle body, align and tighten all four of the Clamps. Reconnect the Mass Air Flow sensor. Connect the factory crank case breather line to the 3/8 Barbed Elbow on the Intake Tube



40. replace the OEM vacuum line on the fuel pressure regulator with the supplied 20 1/2" 1/8" line (#12). Connect the 1/8" line to the small Fitting on the Intake tube.



41. Install the Airaid Premium Filter onto the Filter Adapter inside of the airbox and tighten the clamp.



42. Place the Gasket (#10) onto the underside of the Air Box Lid (#4) and peel off the protective film. Mount the lid on the Air Box using four 1/4-20 x 1/2" Button Head Bolts (#18), and 1/4" Flat washers (#19).



43. **Double check your work!** Make sure there is no foreign material in the intake path. Make sure all clamps, hoses, bolts, and screws are tight. Double check the hood clearance!

Reconnect the negative battery cable!

Pre Filter Option- Part Number 799-445

For maximum protection in the harshest of environments Airaid offers a slip on Pre Filter.

- Prolongs Cleaning Intervals
- Water Repellant
- Free Flowing Protection



Thank you for purchasing the Airaid Intake System. Contact Airaid @ (800) 498-6951 8:00 AM - 5:00 PM MST weekdays for questions regarding fit or instructions that are not clear to you. Your Airaid Intake System was carefully inspected and packaged. Check that no parts are missing, or were damaged during shipping. If any parts are missing, contact Airaid. The air filter element is protected from direct exposure to water and debris; care should be taken not to drive through deep water. WATER INGESTION IS THE DRIVERS RESPONSIBILITY! The air filter is reusable and should be cleaned periodically.

FILTER IDENTIFICATION

700-462 Airaid Oiled Media
702-462 Airaid SynthaMax dry Media - Black

For your Oiled media filter we suggest using the AIRAID Filter Tune-Up Kit!



P/N 790-551 Aerosol Spray
P/N 790-550 Squeeze Spray



701-462 Airaid SynthaMax Dry Media - Red
703-462 Airaid SynthaMax Dry Media - Blue



Do Not Oil

Synthamax Air Filters do not require oil. Service air filter as needed by cleaning with common non-petroleum all-purpose household cleaner and water. Simple Green®, Formula 409® or equivalent works great. Apply cleaner to outside of air filter and allow to soak. Then flush filter clean from the inside out with a garden hose and repeat steps if necessary. Do not apply high pressure water or air to clean filter. Allow filter to air dry and reinstall.