

Part Number: PTR03-21060

NOTE: Part number of this accessory may not be the same as the part number shown.

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Upper Intake Pipe
2	1	Middle Intake Pipe
3	1	Lower Intake Pipe
4	1	Air Filter Assy. w/Clamp
5	1	Air Bypass Valve w/Clamps
6	1	Hardware Bag

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	1	Long Silicone Coupler
2	1	Short Silicone Coupler
3	4	Hose Clamp, #40
4	2	Socket Bolt, 8-32 X 1/2"
5	3	Rubber Mount
6	1	Star Washer, 6mm
7	3	Fender Washer, 6mm
8	1	Bolt, 5mm x .8 x 12mm
9	1	Washer, 5mm Split Lock
10	4	Nut, Nylock 6mm
11	5"	Hose Wrap, 1/2"
12	2	TRD Decals
13	1	Instruction Manual

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Recommended Tools

Personal & Vehicle Protection	Notes
Fender covers	
Special Tools	Notes
Installation Tools	Notes
Ratchet	
Extension	6"
Socket	5/16"
Socket	10mm
Phillips screwdriver	#2
Flat screw driver	1/8"
Allen wrench	9/64"
Pliers	Regular and Needle-Nose
Diagonal cutters	
Tape measure	
Torque wrench	lbs-in
Jack and stands	or chassis lift
Special Chemicals	Notes
Window cleaner	
WD40	

General Applicability

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Conflicts

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Recommended Sequence of Application


Item #	Accessory
1	TRD Cold Air Intake
2	TRD Strut Tie Bar


*Mandatory


Vehicle Service Parts (may be required for reassembly)


Item #	Quantity Req'd.	Description
1		


Legend

 **STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.

 **OPERATOR SAFETY:** Use caution to avoid risk of injury.

 **CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

 **TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.

 **REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

Please see page 11 for important "Care and Maintenance" information!

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.



These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-


- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

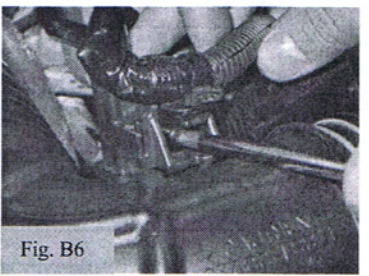
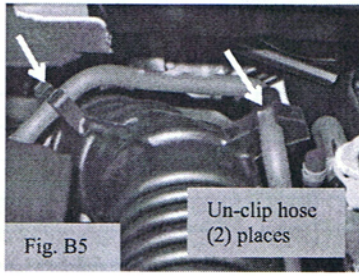
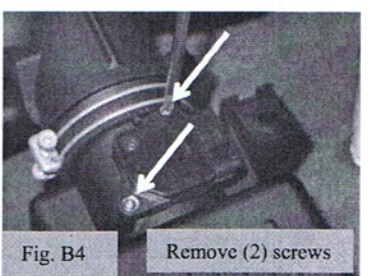
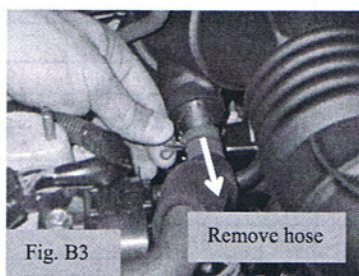
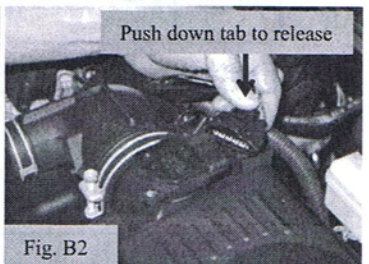
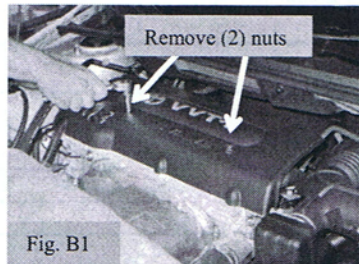
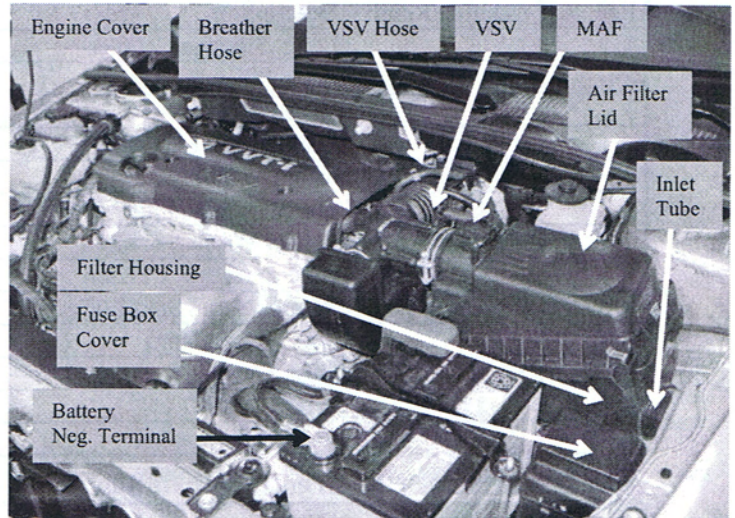
Please see your Toyota dealer for a copy of this document.

A. Vehicle Preparation

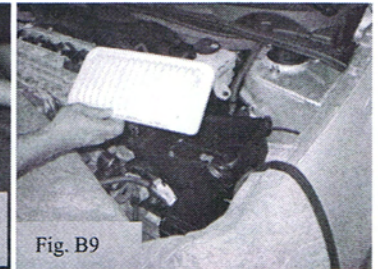
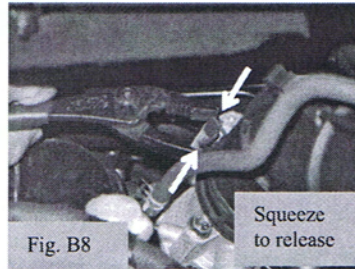
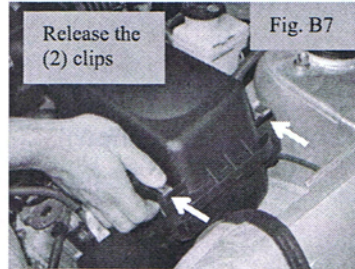
-  1. Apply vehicle protection measures to protect vehicle from damage.
-  2. Remove negative cable from battery terminal.

B. Remove Stock Intake System

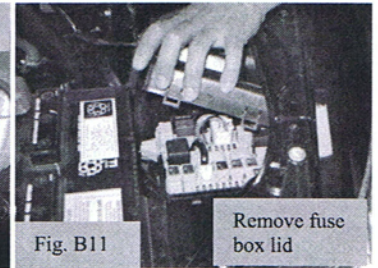
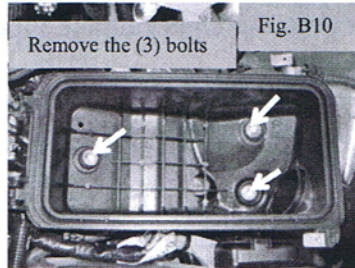
1. Remove engine cover. (Fig. B1)
2. Disconnect the MAF sensor connector. (Fig. B2)
3. Disconnect the breather hose from the intake tube. (Fig. B3)
4. Using a Phillips head screw driver, remove the MAF sensor from the intake tube. (Fig. B4)
-  5. Dismount the VSV vacuum hose from the intake tube. (Fig. B5)
6. Using a Phillips head screwdriver, remove the VSV from intake tube. (Fig. B6)



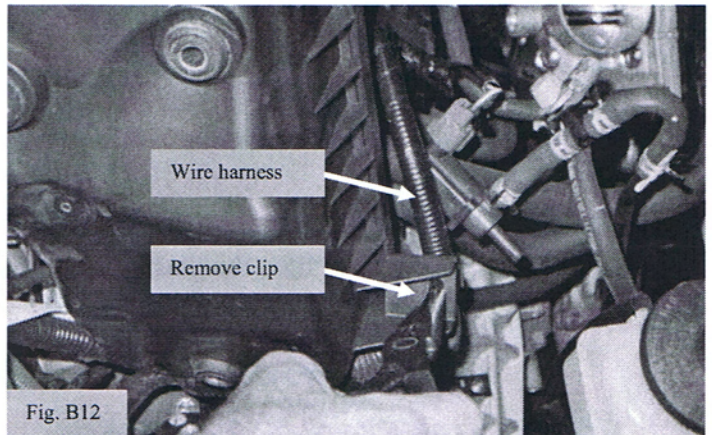
7. Open the air filter lid. (Fig. B7)
8. Using pliers open the clamp and remove the intake tube from the throttle body. (Fig. B8)
9. Lift out the intake tube/filter lid assembly. (Fig. B9)
10. Remove air filter element. (Fig. B9)



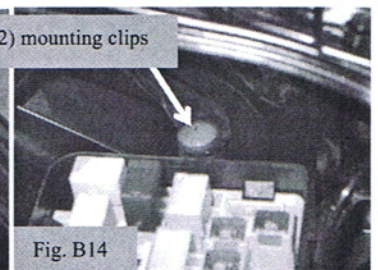
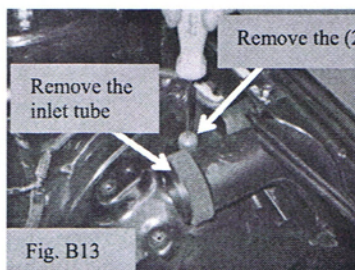
11. Remove the (3) filter housing mounting bolts. (Fig. B10)
12. Remove fuse box cover. (Fig. B11)



13. Tilt the air filter housing up towards the engine and use needle-nose pliers to unclip the MAF sensor/VSV wire harness from the housing. (Fig. B12)
14. Lift out the filter housing.



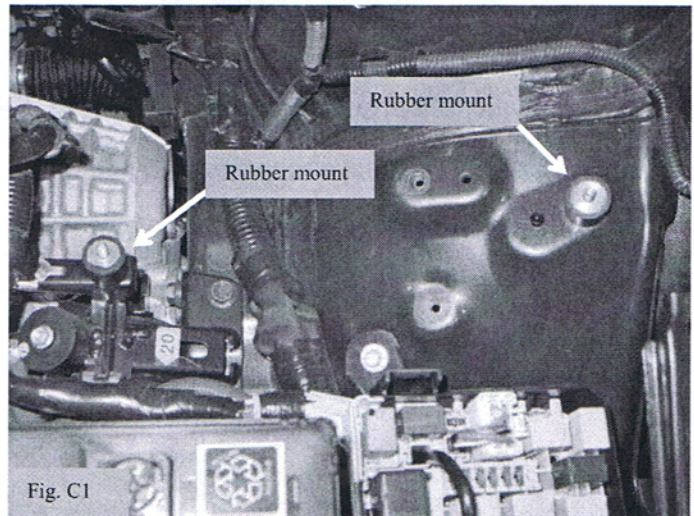
15. Remove the (2) plastic mounting clips and remove the inlet tube. (Fig. B13 & B14)



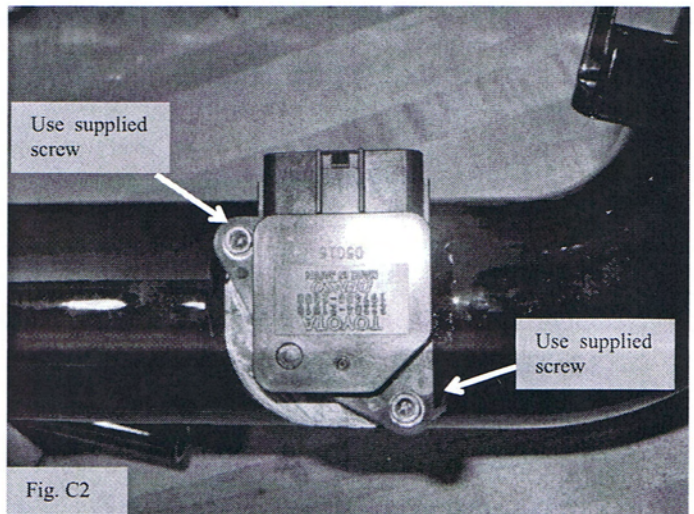
C. Install the Cold Air Intake

(From the engine compartment)

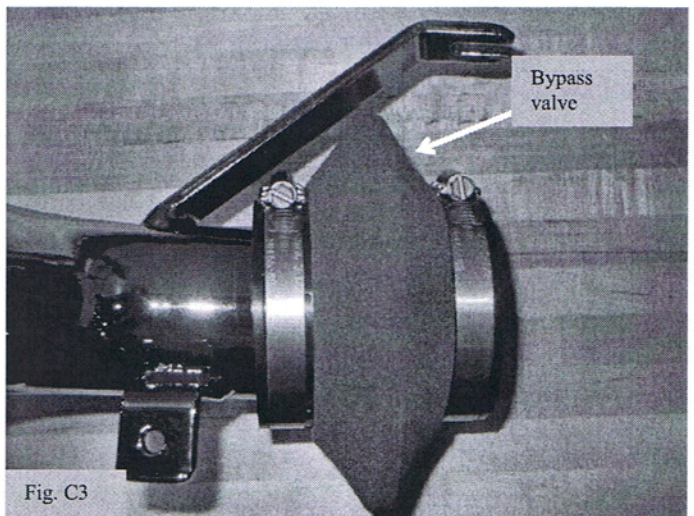
1. Install the (2) rubber mounts as shown.
(Fig. C1)



2. Using the supplied Allen screws, re-install the MAF sensor onto the Upper Intake Pipe.
(Fig. C2)



3. Install the Air Bypass Valve to the Upper Intake Pipe and tighten the clamp.
 - i. Make sure the pipe is fully inserted into the Air Bypass Valve.
 - ii. Clock the hose clamps as shown.
(Fig. C3)



4. Install the long coupler onto the throttle body. Install one clamp and tighten. Install the other clamp but do not tighten at this time. (Fig. C4)

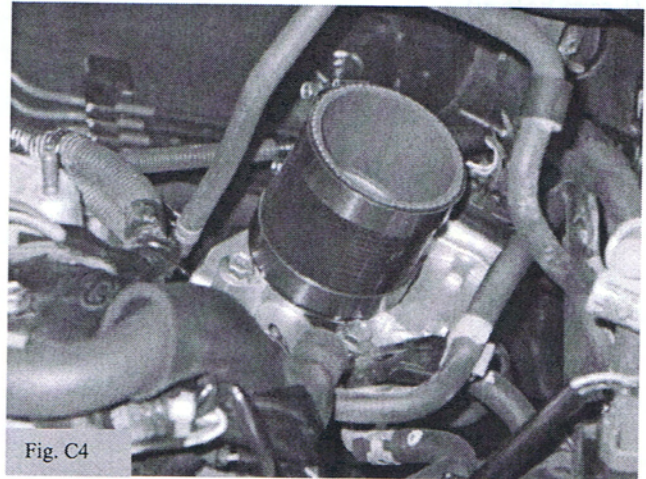


Fig. C4

5. Install the Upper Intake Pipe /Air Bypass Valve to the throttle body coupler and the rubber mount. (Fig. C5)
 - i. Use the supplied 6mm wide area washer and lock nut to secure the Upper Intake Pipe mount to the rubber mount.
 - ii. Do not fully tighten the clamp or the mount nut at this time

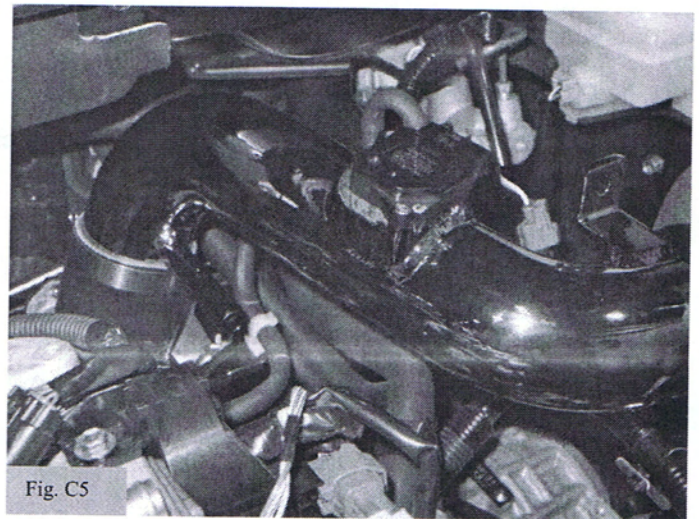


Fig. C5

6. Install the Middle Intake Pipe to the Air Bypass Valve and the rubber mount.
 - i. The Middle Intake Pipe passes through the engine compartment and into fender well. (Fig. C6)
 - ii. Lubricate the end of the Middle Intake Pipe with a small amount of WD40 before inserting into the Air Bypass Valve.
 - iii. Make sure the pipe is fully inserted into the Air Bypass Valve.
 - iv. Use the supplied 6mm washer and lock nut on the rubber mount. Do not fully tighten the clamp or the mount nut at this time.

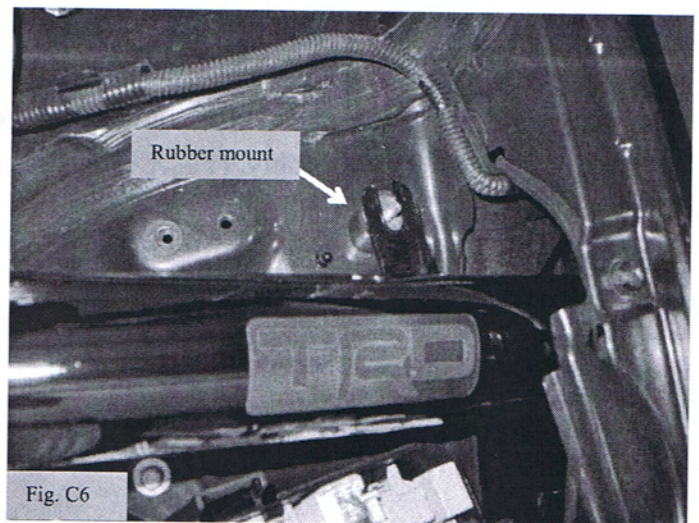
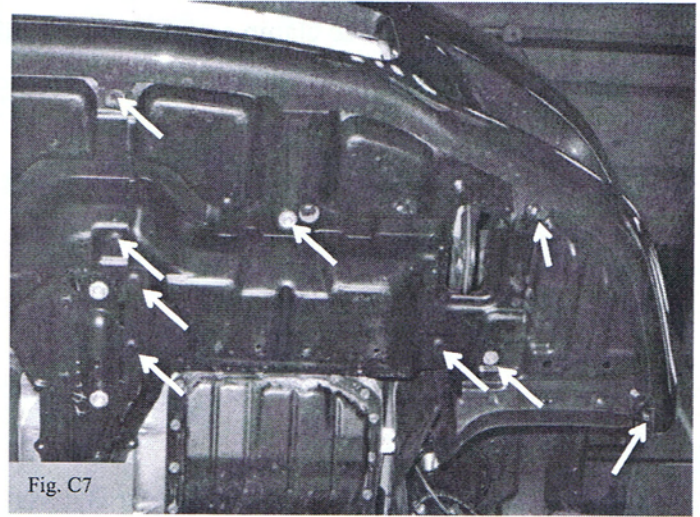


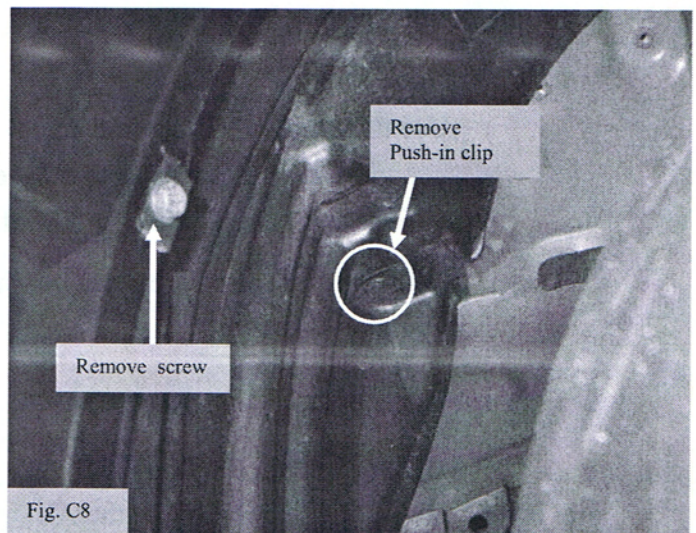
Fig. C6

(From below)

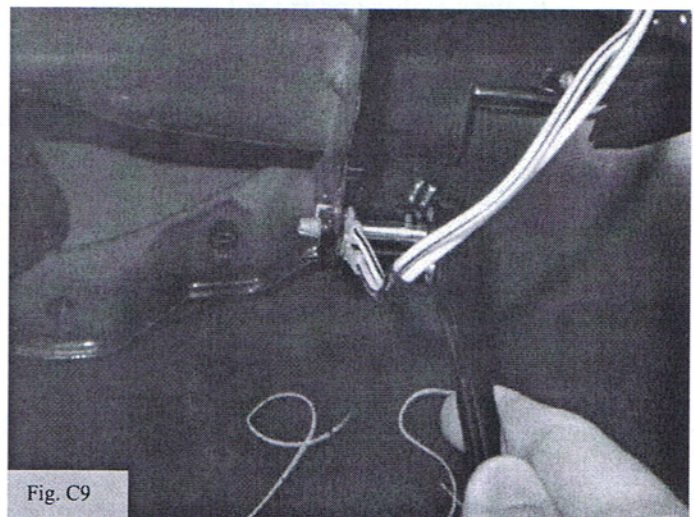
7. Raise the front of the vehicle and support with jack stands.
8. Remove the Drivers Side splash shield. (Fig. C7)



9. Remove the screw and the plastic push-in clip that secures the driver-side fender liner. (Fig. C8)



10. Remove the bolt that secures the wiring ground strap located beneath the front driver-side headlight assembly. (Fig. C9)



11. Install the rubber mount in place of the bolt.

- ⚠ i. Make sure the ground wire is installed between the rubber mount and the vehicle, with the star washer between the ground wire and the rubber mount. The correct order is vehicle, ground wire, star washer and rubber mount. (Fig. C10)
- ii. Install the 6mm lock nut as shown. (Fig. C10)

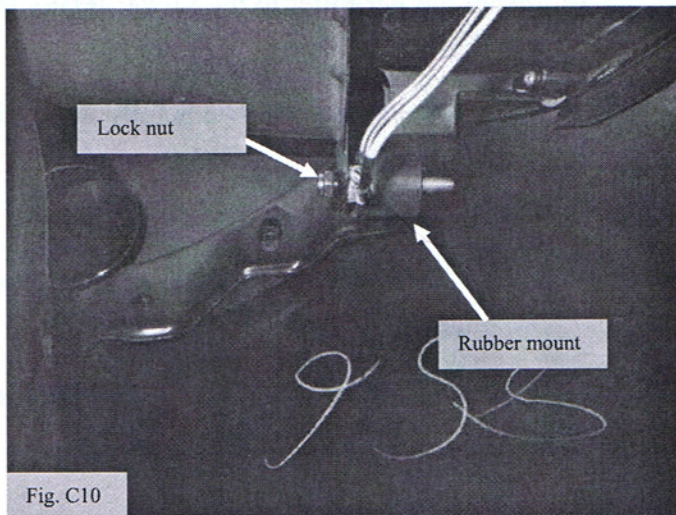


Fig. C10

12. Install the small coupler to the Middle Intake Pipe. Install (1) clamp and tighten. (Fig. C11)

- i. Make sure the clamp does not contact the vehicle.
- ii. Slide the second clamp into place but do not tighten. (Fig. C11)

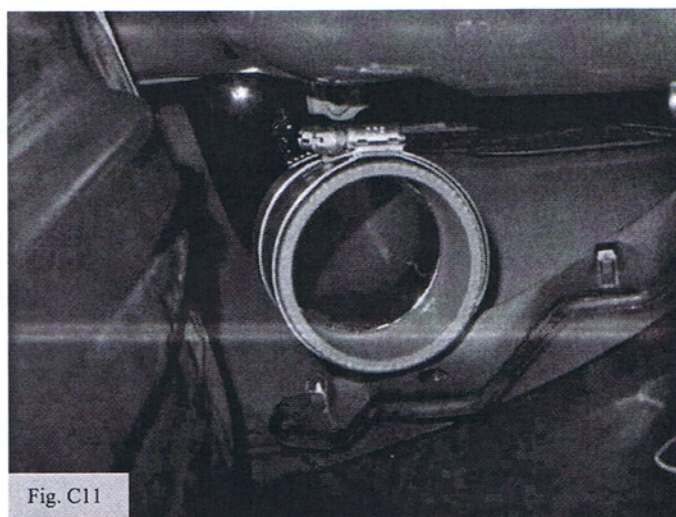


Fig. C11

13. Install the Lower Intake Pipe to the Middle Intake Pipe coupler

- i. Make sure the end of the pipe is fully inserted into to coupler and that the pipe ends are flush to each other. Do not tighten the clamp at this time. (Fig. C12)
- ii. Secure Lower Intake Pipe mount to rubber mount with a 6mm wide area washer and a lock nut. (Fig. C12)

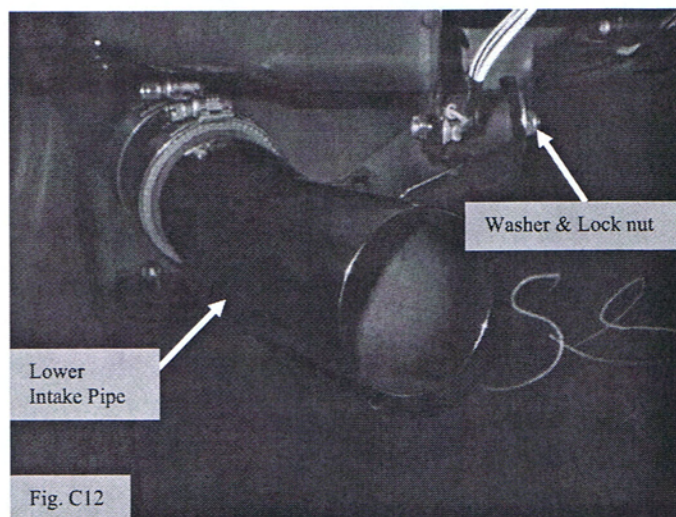


Fig. C12

14. Install the Air Filter to the Lower Intake Pipe and tighten the clamp.

- i. Make sure the pipe is fully inserted into the filter. (Fig. C13)

15. Tighten all clamps and mounts.

- i. Work from the bottom of the vehicle toward the top.
- ii. As you tighten, make sure there is no contact between the Intake and the vehicle.
- iii. Rotate any tubes as necessary to gain proper clearance.

16. Reinstall splash shield and hardware for the driver-side fender liner.

17. Reinstall fuse box cover

18. Remove wire loom bracket from VSV/MAF sensor wire loom. (Fig. C14)

19. Remove wire loom tie from VSV/MAF sensor loom.

- i. Use a small screwdriver to lift the wire tie latch and push the tie back through the clip to remove. (Fig. C15)

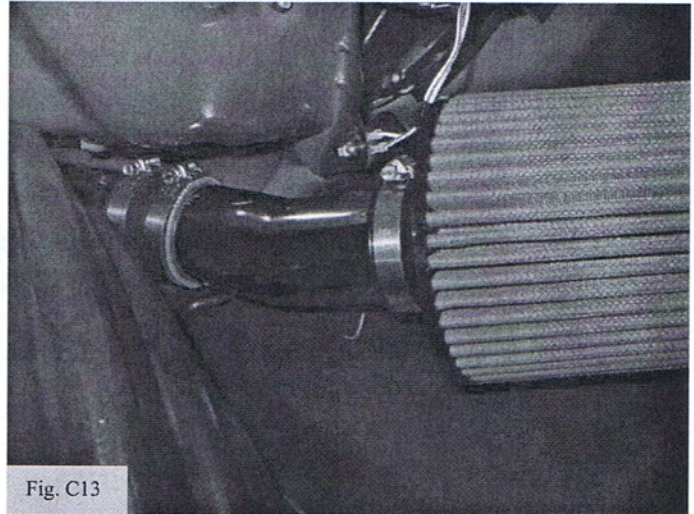


Fig. C13

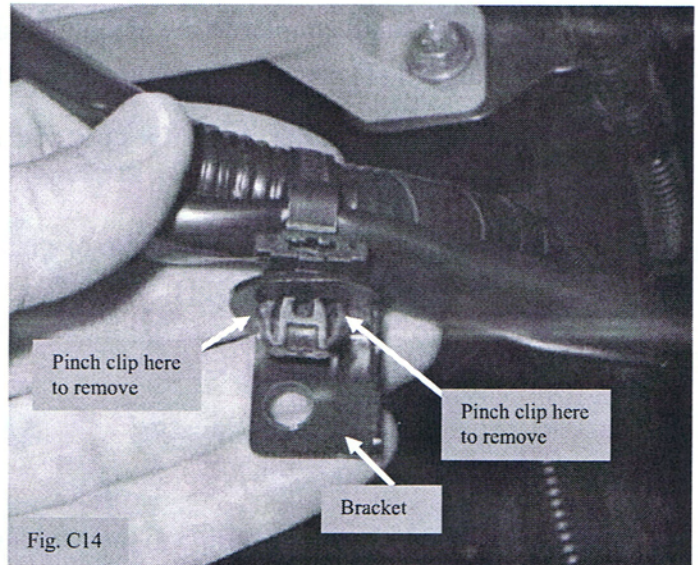


Fig. C14

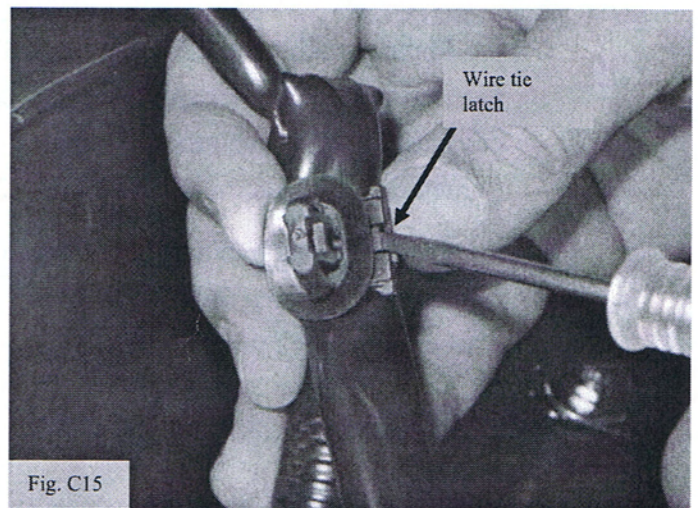
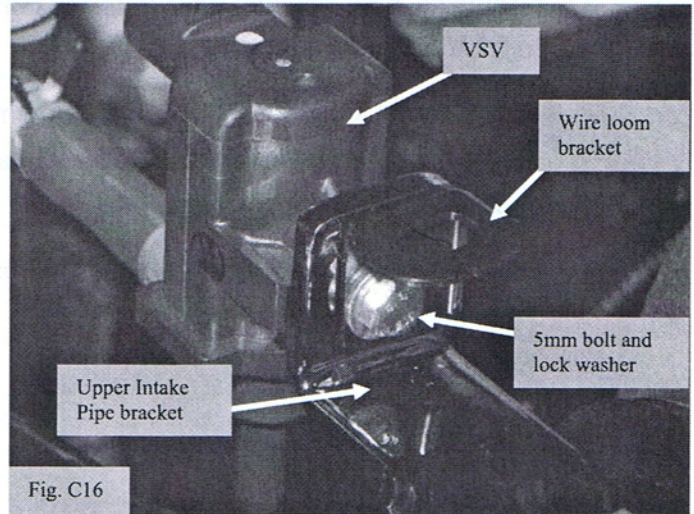


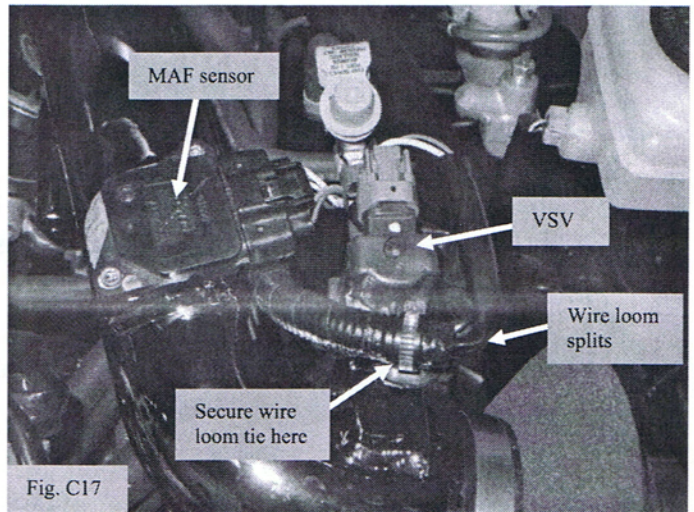
Fig. C15



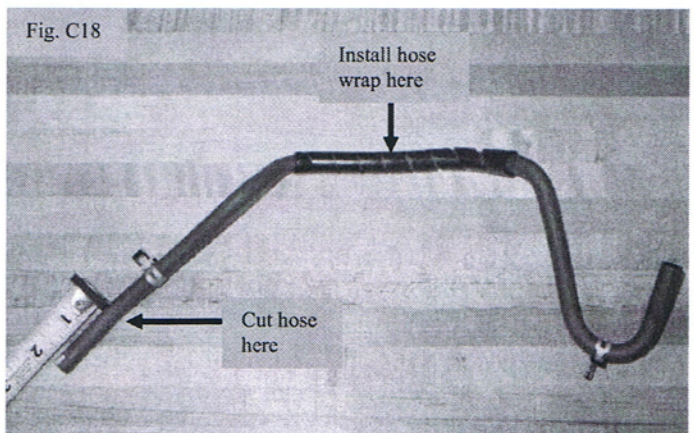
- ⚠ 20. Use the 5mm bolt and lock washer to secure the wire loom bracket and VSV to the bracket on the Upper Intake Pipe. (Fig. C16)



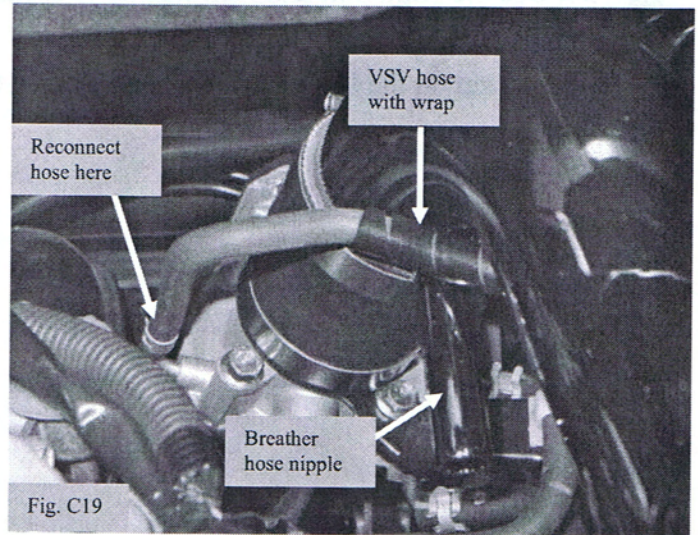
- 21. Route VSV/MAF sensor wire loom between Upper Intake Pipe and VSV. (Fig. C17)
- 22. Secure wire loom tie removed in Step C19 to VSV/MAF sensor loom. Locate the tie just before the VSV and MAF sensor wires split from the loom. (Fig. C17)
- 23. Clip wire loom tie into bracket installed in Step C20.
- 24. Reconnect MAF sensor and VSV as shown. (Fig. C17)



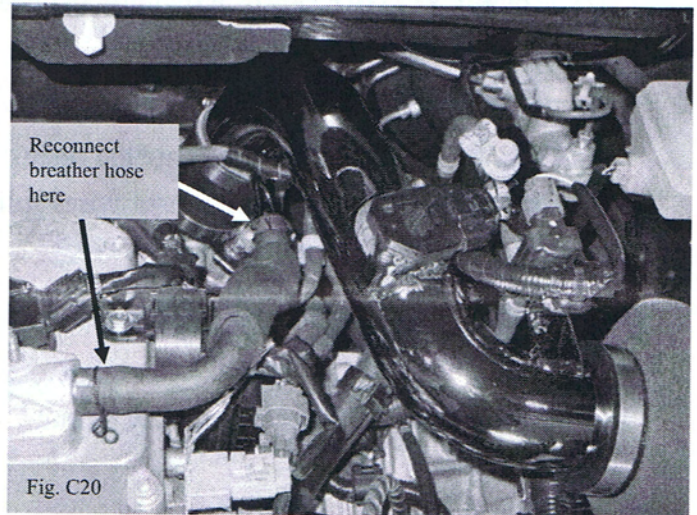
- ⚠ 25. Install the hose wrap onto the VSV vacuum hose as shown. (Fig. C18)
- 26. Use a tape measure and diagonal cutters to remove 1.75-inches from the VSV vacuum hose. (Fig. C18)



- 27. Reconnect VSV vacuum hose to lower port on VSV and hose nipple on throttle body.
 - i. Route VSV vacuum hose as shown over breather hose nipple of Upper Intake Pipe. (Fig. C19)
 - ii. Re-use factory clamps to secure hose.



- 28. Reconnect breather hose to hose nipple on Upper Intake Pipe and factory cam cover. (Fig. C20)
 - i. Re-use factory clamps to secure hose.
- 29. Reinstall engine cover.
- 30. Reconnect battery cable to negative terminal on battery.





Air Filter Maintenance

Service Intervals- Service your TRD filter element with TRD's filter cleaning system (Toyota p/n PT901-17801-CL) at least every 50,000 miles to maintain optimum performance. We recommend that TRD filter elements be serviced every 30,000 miles for off-road and high-performance street applications.

If you live in a region with extremely fine dust (arid or desert climates for example), follow the recommended schedule for off-road and high-performance vehicles.

Always inspect your filter element whenever you change your oil.

Do not over oil the filter. This could contaminate the MAF sensor and cause the MIL (Malfunction Indicator Lamp) to illuminate and require non-warrantable repairs.

Caring For The Finish On Your TRD Cold Air Intake.

TRD intakes have a protective clear powdercoat finish that ensures a maintenance free shine.

To clean your TRD intake, simply spray with window cleaner and wipe with a soft, clean terry-cloth towel.

NEVER use harsh chemicals or metal polish on TRD intakes. Harsh chemicals and metal polishes will permanently damage the finish of your intake.

Check:

Look For:

Vehicle Function Checks

- Start the vehicle.
- If after you start the vehicle, or while driving, you encounter a Malfunction Indicator Lamp (MIL), check the following:

Over-oiled Air Filter:

- Start the vehicle
- If the lamp will not go off even after checking and/or repairing any of the above:

- Full engagement of MAF sensor connector.
- Correct positioning of MAF sensor O-ring.
- Tightness of all clamps.
- Full insertion of tubes into connectors.
- Correctly installed valve cover breather hose.
- Full engagement of VSV connector.
- Clean the oil filter as indicated in the TRD Filter Cleaning Kit and apply the proper amount of oil.
- Replacement (non-warrantable) of the MAF sensor may be required.
- Contact your Toyota dealer as soon as possible.