Part Number(s): PTR05-35061

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Intake Tube
2	1	Air Filter Housing
3	1	TRD Air Filter w/ #096 clamp
4	1	Adapter, Filter
5	1	Cover, Housing
6	1	Coupler Hose, 4.12 ID x 3”
7	1	Coupler Hose, 3.12 ID x 2.9 ID
8	1	Trim Seal, ¾ Bulb
9	1	Instructions Bag with sticker
10	1	Hardware Bag

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	2	Hose Clamp, #072
2	1	Hose Clamp, #048
3	1	Hose Clamp, #052
4	9	Bolt, Button Head, M6 x 10
5	2	Screw, M4 x 16
6	2	Spacer, Nylon
7	1	Gasket, MAF Sensor
8	1	Isolation Mount, M8
9	1	Nut, M8
10	1	Washer, Flat, M8
11	1	Fitting, Hose Barb, 3/16 x 1/8”
12	1	Hose, 5/32” ID x 16” Long

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1	1	Teflon pipe sealant or tape

Recommended Tools

Safety Tools	
Vehicle Protection	Blankets or Fender Covers
Special Tools	
None Required	
Installation Tools	
Nut driver	8mm or 5/16”
10mm socket	¼” drive
¼” drive ratchet	
¼” drive extension	6” long
12mm socket	3/8” drive
13mm socket	3/8” drive
3/8” drive ratchet	
3/8” drive extension	3” long
7/16” combination wrench	
Phillips head screwdriver	#2
Screwdriver, std.	#2
Allen wrench	4mm or 5/32”
Socket, 12 point	4mm or 5/32”
Torque wrench	in. lbf. (0 – 120 in. lbf.)
Special Chemicals	
Glass cleaner	

General Applicability

2005-2006 Tacoma w/1GR-FE V6 engine
2007 FJ Cruiser w/1GR-FE V6 engine
2003-2006 4Runner w/1GR-FE V6 engine

Conflicts

Note: None

Recommended Sequence of Installation

If any other accessories are to be installed, it is recommended they be installed in the order described below to ease installation and/or avoid redundant work.

Item #	Accessory	

*Mandatory

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


CRITICAL PROCESS: Proceed with caution to ensure a quality installation.


GENERAL PROCESS: This highlights specific processes to ensure a quality installation.


TOOLS & EQUIPMENT: This calls out the specific tools and equipment required for this process

Please see page 13 for important “Care and Maintenance” information!

A. Check Kit Contents

1. Check kit for contents and damage.

B. Vehicle and Parts Preparation

1. Completely read instructions and familiarize yourself with the installation before beginning.
2. Open hood.
3. Apply vehicle protection to prevent damage to painted surfaces.
4. Remove negative battery cable from terminal.
5. Prior to installation, make sure all parts of the Cold Air Intake are clean and free of debris.
   i. Blow out the inside of the tube and air box with compressed air.

C. Remove Factory Components

Operations Performed in the Engine Compartment

1. Remove engine cover. (Fig. C1)
   i. Use a 10mm socket and ratchet assembly to remove (2) 10mm nuts.
   ii. Lift front of cover off studs and pull forward to disengage rear mounts.
2. Disconnect breather hose from factory air filter assembly. (Fig. C2)
3. Disconnect the vacuum hose from rear of air box. (Fig. C3)

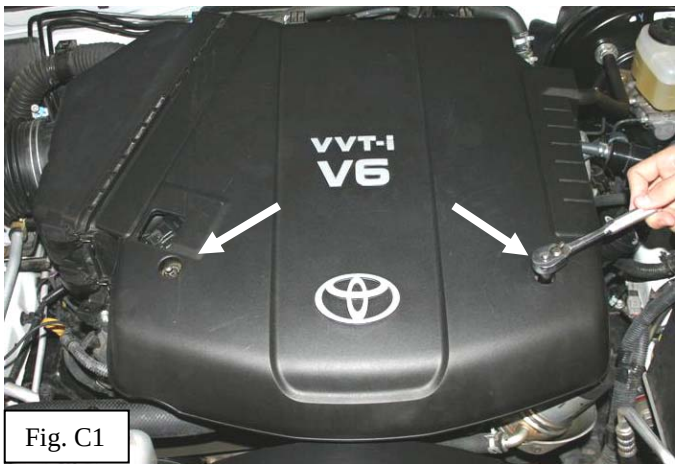

Fig. C1


Fig. C2

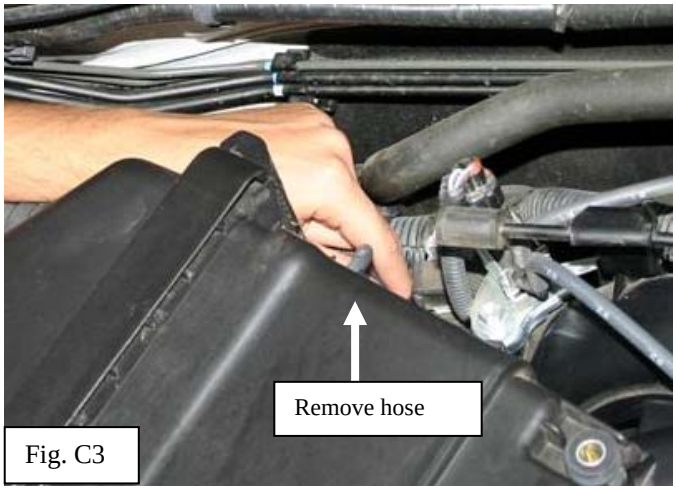

Fig. C3

4. Loosen the two factory hose clamps with a 10mm socket and ratchet assembly. (Fig. C4)
5. Remove the two 12mm bolts. (Fig. C4)

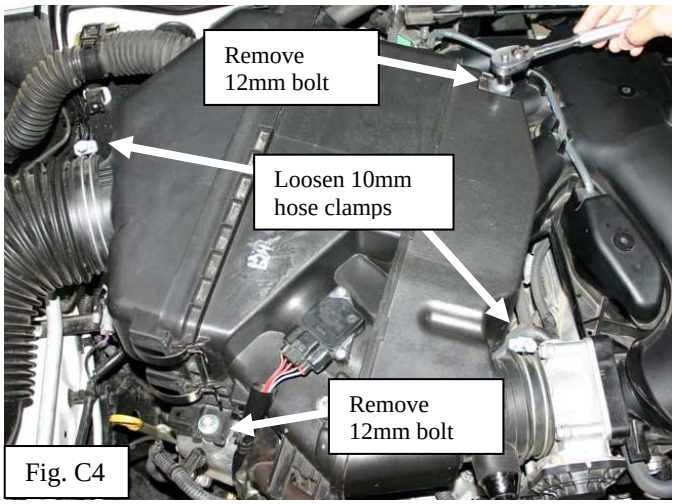

Fig. C4

6. Disconnect MAF sensor connector. (Fig. C5)
   i. Push clip to release connector.
7. Remove the MAF sensor from the air filter lid by unscrewing the (2) Phillips head screws. (Fig. C5)

STOP i. Do not touch the internal sensor surfaces.

STOP ii. Protect the sensor from damage.

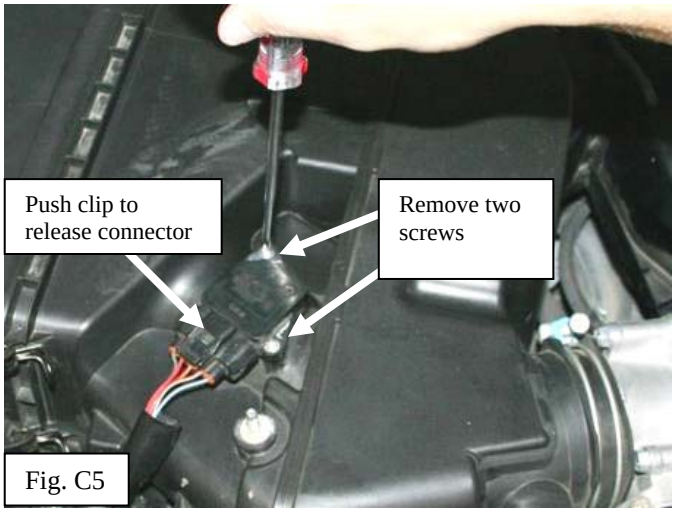

Fig. C5

8. Disengage the two wire harness clamps from air box. (Fig. C6)
9. Disconnect the air filter inlet hose and remove the air filter housing assembly.

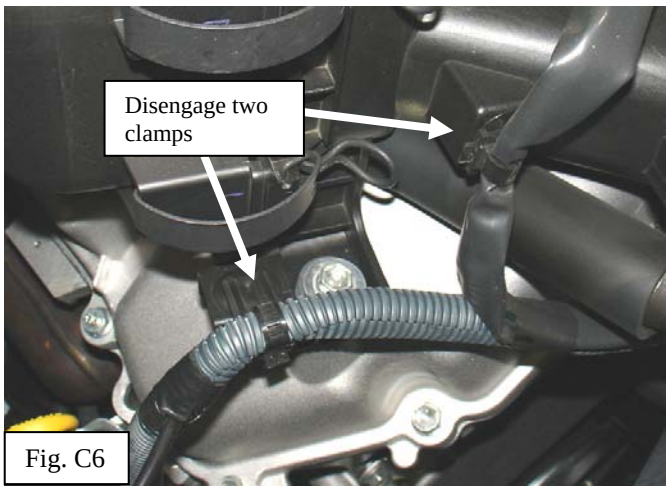

Fig. C6

10. Remove intake air tube from inner fender

    i. Remove two 12mm bolts. (Fig. C7)

Fig. C7

11. Remove the factory rubber grommets and steel sleeves from the air filter assembly as shown. (Fig. C8)

Fig. C8

D. Install TRD Air Intake

1. Grasp the supplied trim seal and press firmly onto the TRD air filter housing inlet. (Fig. D1)

    i. Use entire length of trim seal to surround air filter housing inlet.

Fig. D1

2. Insert rubber grommets and sleeves removed in Step C11 into TRD air filter housing as shown. (Fig. D2)

   i. Insert rubber grommets first, then push sleeves into place.

Fig. D2

3. Remove 12mm bolt that secures the factory AC line mounting bracket. (Fig. D3)


Fig. D3

4. Install the supplied 8mm rubber mount into the threaded hole left open from the previous step.

   i. Hand-tighten rubber mount. (Fig. D4)


Fig. D4

5. Install TRD air filter housing.

   i. Align TRD housing so factory rubber grommets are directly over the mounting holes in the inner fender well, and the top 8mm thread side of the rubber mount protrudes through TRD housing. (Fig. D5)

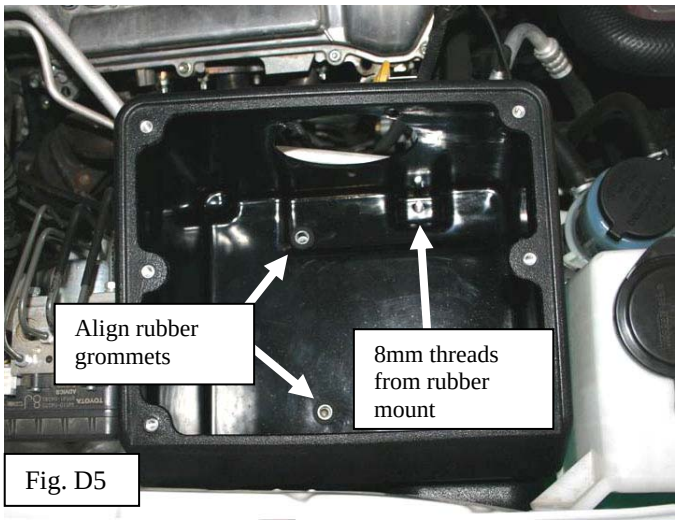

Fig. D5

   ii. Install the 12mm bolts removed in Step. C5 through the rubber grommets in the housing. (Fig. D6)

   iii. Install the supplied 8mm flat washer and 8mm nut onto the 8mm threads of the rubber mount as shown. (Fig. D6)

   iv. Tighten bolts to 60 in. lbf. ± 5 in. lbf. (6.7 Nm ± 0.6 Nm).

   v. Tighten nut to 60 in. lbf. ± 5 in. lbf. (6.7 Nm ± 0.6 Nm).

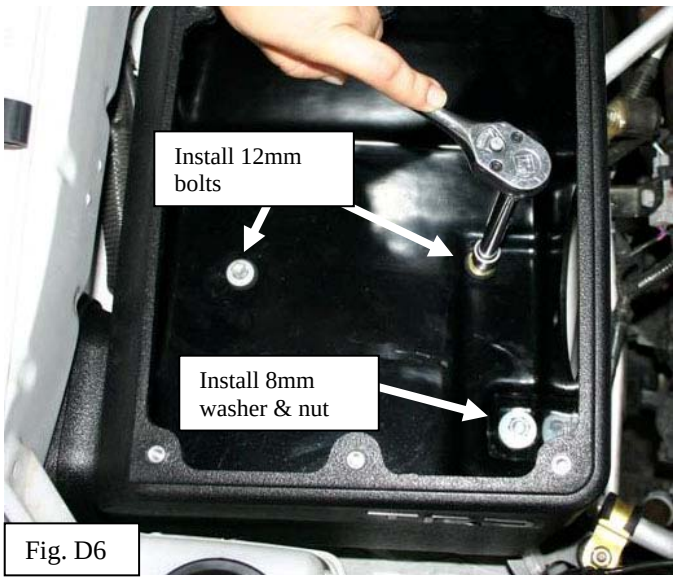

Fig. D6

6. Install the air filter adapter. (Fig. D7)

   i. Insert hose end side of air filter adapter through the air filter housing from the inside as shown. (Fig. D7)

   ii. Use a 4mm Allen Wrench and 3 supplied Button-Head screws to secure adapter to housing. (Fig. D7)

   iii. Torque screws to 20 in. lbf. ± 3 in. lbf. (2.3 Nm ± 0.3 Nm (Fig. D7)

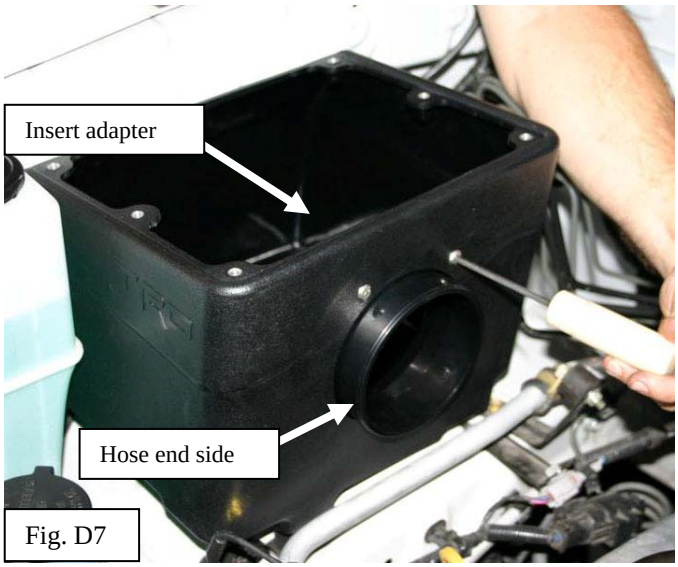

Fig. D7

7. Use a 4mm 12-point socket to remove the stud in the factory air filter housing as shown. (Fig. D8)


Fig. D8

8. Install the stud removed in the previous step into the threaded insert in the TRD intake tube. (Fig. D9)
   i. Torque stud to 35 in. lbf. ± 5 in. lbf (4.0 Nm ± 0.5 Nm

Fig. D9

9. Install supplied hose barb fitting into TRD intake tube as shown. (Fig. D10)
   i. Apply teflon pipe sealant or teflon tape to hose barb fitting threads.
   ii. Use a 7/16” wrench to install hose barb fitting. (Fig. D10)

Caution: Do not over-tighten fitting. Maximum torque is 60 in. lbf.

Fig. D10

10. Install coupler to throttle body. (Fig. D11)

    i. Slide the supplied #048 hose clamp over the small end of the coupler.

    ii. Slide the supplied #052 hose clamp over the larger end of the coupler.

    iii. Slide coupler and hose clamps over throttle body as shown. (Fig. D11)

    iv. Do not tighten the clamps at this time.

Fig. D11

11. Install large coupler to TRD intake tube.

    i. Slide both #072 hose clamps over large coupler.

    ii. Slide coupler and clamps over large side of TRD intake tube.

    iii. Slide coupler completely over tube and orient clamps as shown. (Fig. D12)

Fig. D12

12. Install TRD intake tube.

    i. Insert TRD intake tube into coupler on throttle body. (Fig. D13)

Fig. D13

ii. Move large side of TRD intake tube into position and slide large coupler over filter adapter as shown. (Fig. D14)

Fig. D14

iii. Tighten the clamps on the filter adapter and the throttle body as shown. Do not tighten the clamps on the TRD intake tube at this time. (Fig. D15)

iv. Tighten clamps to 24 in. lbf. ± 2 in. lbf. (2.7 Nm ± 0.2 Nm)

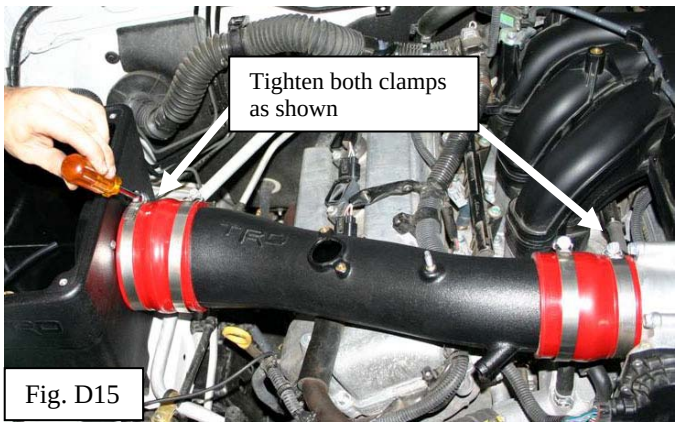

Fig. D15

v. Install engine cover onto rear rubber mounts and lower front of cover down to locate front studs.

vi. Adjust the TRD intake tube so the engine cover stud will align with the mounting hole in the engine cover. (Fig. D16)

vii. Remove engine cover and tighten both hose clamps on the TRD intake tube to 24 in. lbf. ± 2 in. lbf. (2.7 Nm ± 0.2 Nm)

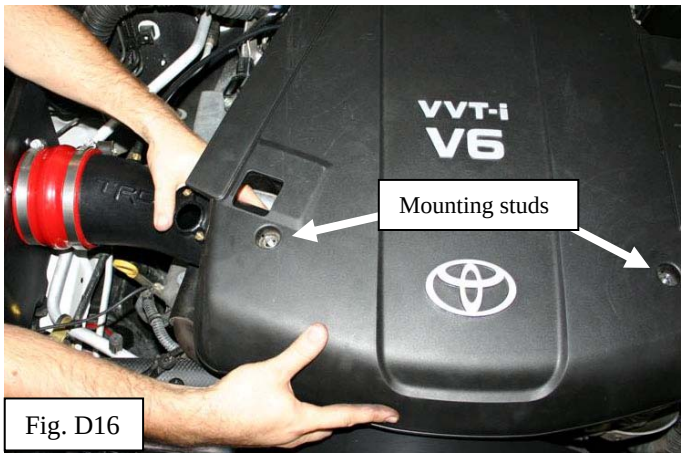

Fig. D16

13. Connect the breather hose to the hose nipple on the TRD intake tube. (Fig. D17)

➡ i. Use factory spring clamp to secure hose.

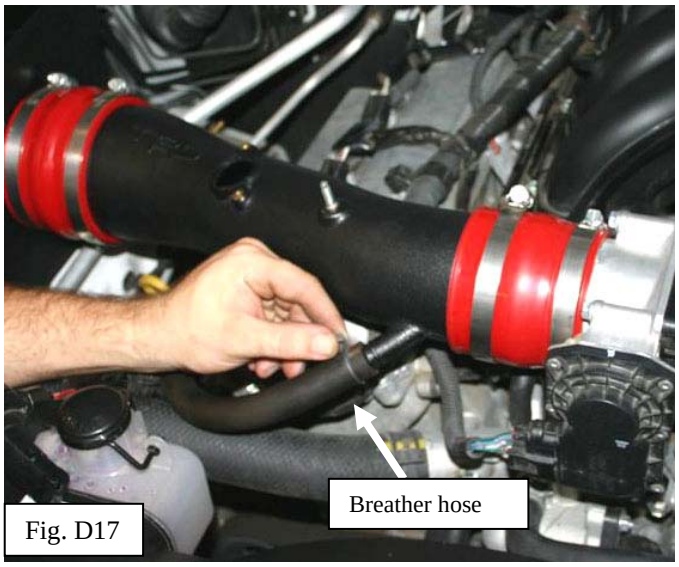

Fig. D17

14. Install supplied 5/32” rubber hose. (Fig. D18)

➡ i. Connect one side of hose to fitting on TRD intake tube. (Fig. D18)

➡ ii. Connect other side of hose to steel hose nipple on factory fuel pressure regulator. (Fig. D18)

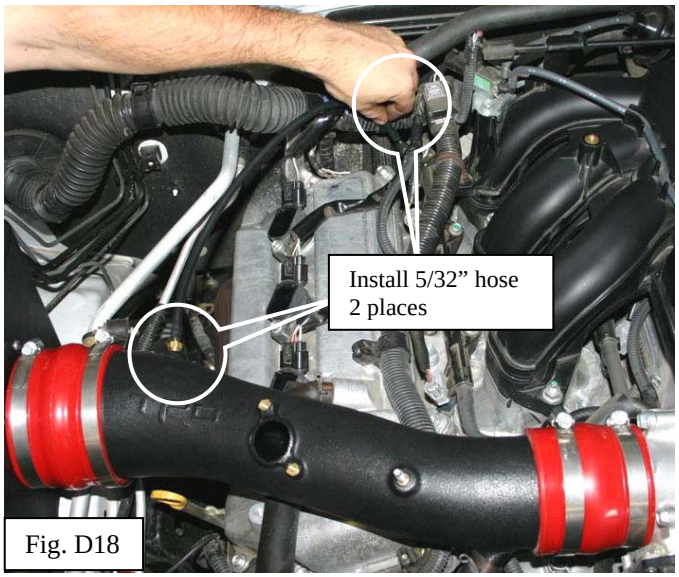

Fig. D18

⚠ 15. Install the supplied MAF sensor gasket over the MAF sensor as shown. (Fig. D19)

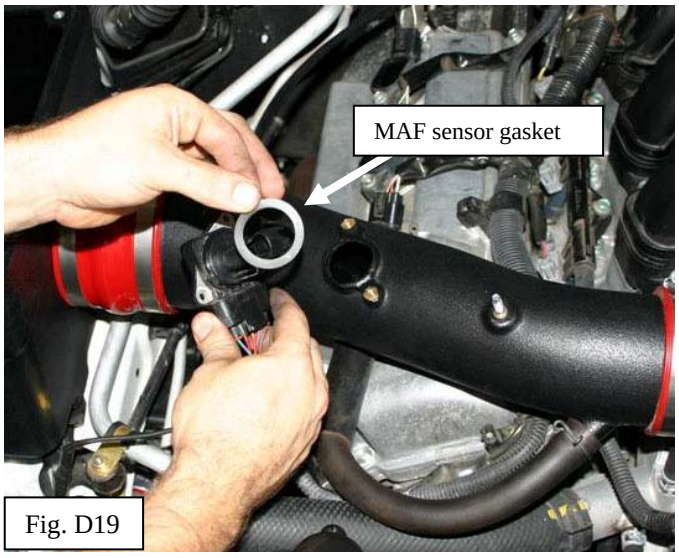

Fig. D19

16. Install the MAF sensor. (Fig. D20)

i. Use the two supplied 4mm screws and two nylon spacers to mount MAF sensor. (Fig D20)

ii. The correct order is screw, MAF sensor, spacer, and TRD intake tube.

iii. Use a screwdriver to snugly tighten screws. **Do not over-tighten screws. Torque to 8 in. lbf. maximum.**


Fig. D20

17. Install TRD air filter.

i. Position TRD air filter onto air filter adapter inside housing until it is fully seated next to housing. (Fig. D21)

ii. Use the 8mm nut driver to tighten the air filter hose clamp. (Fig. D21)

iii. Tighten hose clamp to 24 in. lbf. ± 2 in. lbf. (2.7 Nm ± 0.2 Nm)

18. Reconnect MAF sensor connector to MAF sensor. Fig. D21)

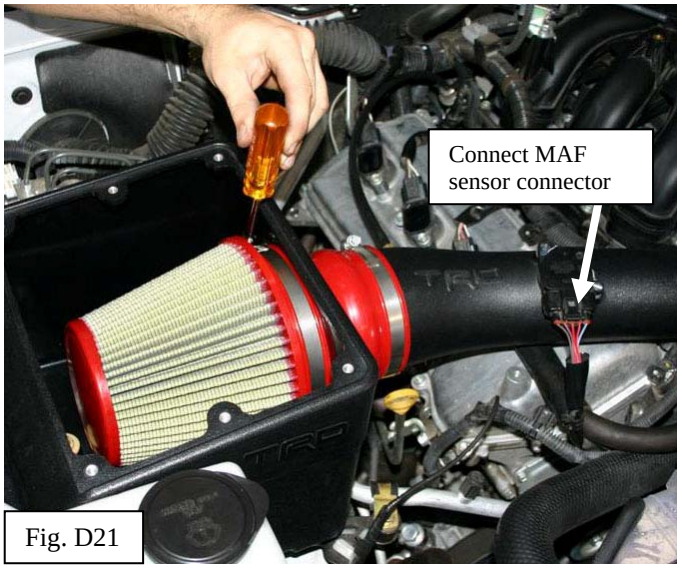

Fig. D21

19. Install TRD air filter housing cover.

i. Use six supplied screws to secure TRD cover to air filter housing. (Fig. D22)

ii. Start all six screws first by hand.

iii. Snug the middle screws first and then snug all remaining screws. (Fig. D22)

iv. Tighten all six screws to 15 in. lbf. ± 2 in. lbf. (1.7 Nm ± 0.2 Nm)

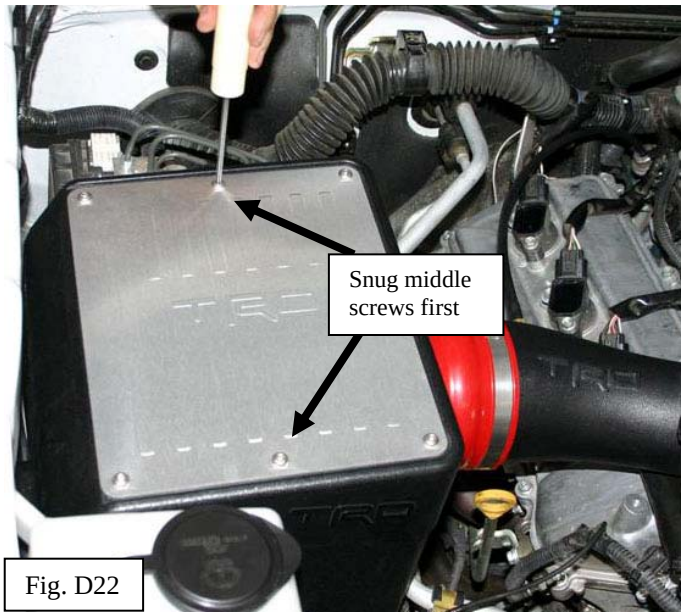

Fig. D22

20. Reinstall engine cover. (Fig. D23)

    i. Slide engine cover back onto rubber mounts.

    ii. Lower front of engine cover over studs.

    iii. Use a 10mm socket and ratchet assembly and install factory 10mm nuts to secure front of engine cover. (Fig. D23)

    iv. Tighten nuts to 40 in. lbf. ± 4 in. lbf. (4.5 Nm ± 0.45 Nm)

21. Re-install negative battery cable to negative terminal. Tighten nut to 36 in. lbf. ± 4 in. lbf. (4.0 Nm ± 0.4 Nm)

22. **Installer** – The installation manual contains important **"Care and Maintenance"** information. Place the entire instruction manual in the glove box for owner's future reference.

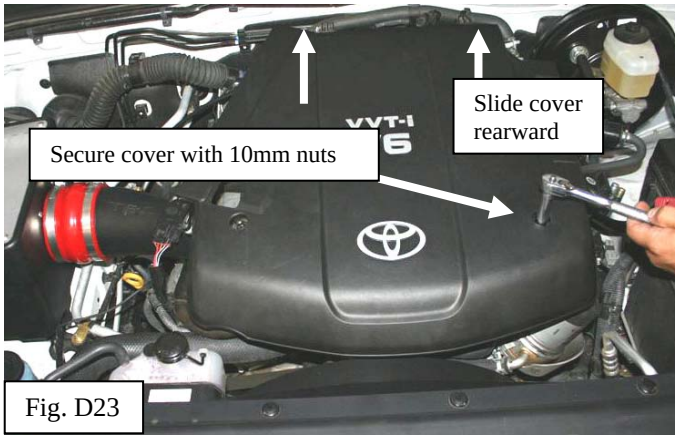

Fig. D23

Air Filter Maintenance

Service Intervals- Service your TRD filter element with TRD's filter cleaning kit (Toyota p/n PTR05-00000-CL) at least every 50,000 miles to maintain optimum performance. We recommend that TRD filter elements be serviced every 30,000 miles on 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 intake systems have a natural finish on the tube and air filter housing, and a clear coated finish on the enclosure cover.

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

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

Check:	Look For:
☐ Start the vehicle.	
☐ If after you start the vehicle, or while driving, you encounter a Malfunction Indictor Lamp (MIL), check the following:	o Full engagement of MAF sensor connector. o Tightness of all clamps. o Correctly installed valve cover breather hose. o Over-oiled air filter.
☐ Over-oiled Air Filter:	o Clean the air filter as indicated in the TRD Filter Cleaning Kit and apply the proper amount of oil. o Replacement (non-warrantable) of the MAF sensor may be required.
☐ Start the vehicle	
☐ If the lamp will not go off even after checking and/or repairing any of the above:	o Contact your Toyota dealer as soon as possible.