TOYOTA TUNDRA/SEQUOIA 5.7L 2014 - 2018 PERFORMANCE AIR INTAKE

Preparation

Part Number: PTR03-00140

Kit Contents

Item #	Quantity Reqd.	Description
1	1	TRD Panel Air Filter
2	1	TRD Air Cleaner Lid
3	3	#60 Hose Clamp
4	1	Bellows
5	1	TRD Inlet Tube
6	1	#56 Hose Clamp
7	1	Coupler
8	1	PCV Hose
9	1	TRD Air Horn

Additional Items Required For Installation

Item #	Quantity Reqd.	Description

Conflicts

TRD Supercharger, 4.6L engine

Recommended Tools

Personal & Vehicle Protection	**Notes**
Blankets or Fender Covers	
Special Tools	**Notes**
None	
Installation Tools	**Notes**
Nut Driver or Socket	8mm Thin OD
Nut Driver or Socket	10mm
3/8” Drive Ratchet	
3/8” Drive Extension	
Small Pick or Clip Tool	
Standard Pliers	
Needle Nose Pliers	
Torque Wrench	0-15 N-m (0-120 in-lb)
Flat Blade Screwdriver	#3
Phillips Screwdriver	
Special Chemicals	**Notes**
None	

General Applicability

Tundra/Sequoia: 5.7L engine, 2014 and newer

Please see Page 11 for important “Care and Maintenance” information!

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description

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.

SAFETY TORQUE: This mark indicates that torque is related to safety.

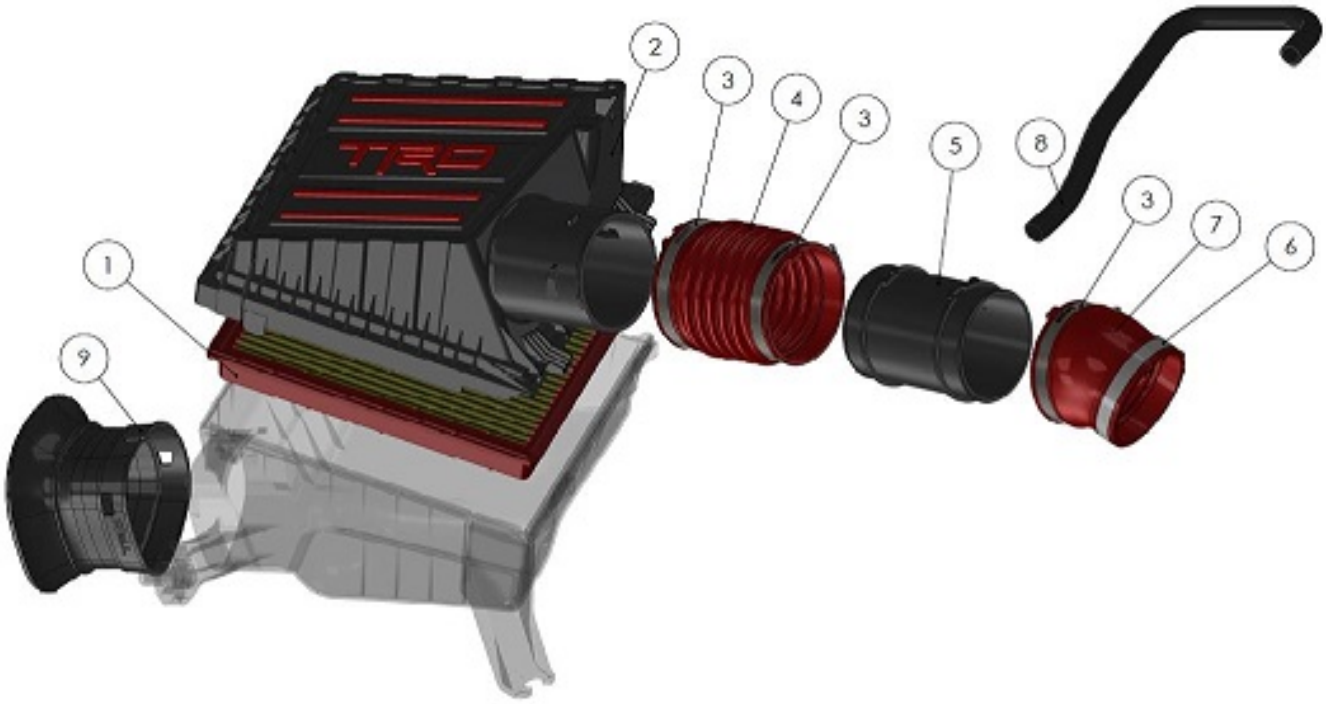
Emissions Compliance Information:

A new process has been implemented. The Emissions Label is No Longer included in the Performance Air Intake Kit.

If your state requires an Emissions Compliance Label, one may be ordered.

This TRD Performance Air Intake Kit has received 50-State Emissions Compliance via the California Air Resources Board (CARB). Not all states require the Emissions Compliance Label but TRD does recommend ordering one. To receive the proper Emissions Compliance Label for this TRD Performance Air Intake Kit, please order part number **PTR03-34190-0E**. Proof of ownership may be required.

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TRD
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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.

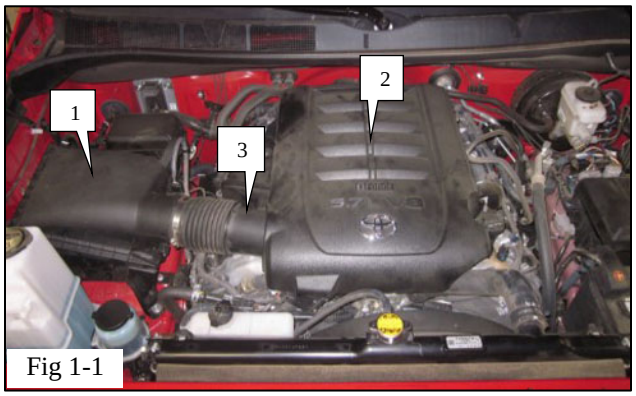


Fig 1-1

1. Prepare the vehicle and parts.

(a) Check the kit for contents and damage.

(b) Completely familiarize yourself with the engine bay (Fig. 1-1).

(1) OEM air box.

(2) Engine cover

(3) Air cleaner inlet tube

(c) Apply vehicle protection to prevent damage to the painted surfaces.

(d) Prior to installation, make sure all parts of the Performance Air Intake are clean and free of debris.

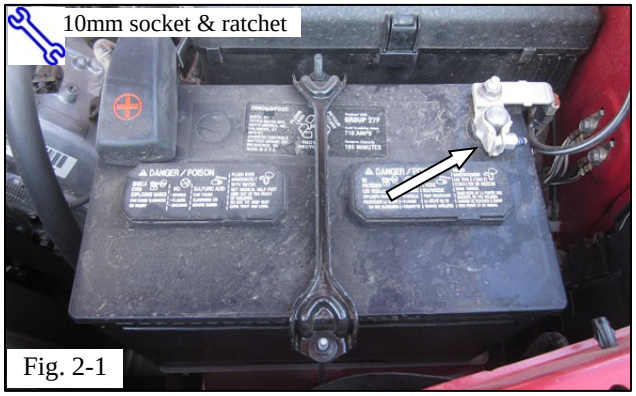
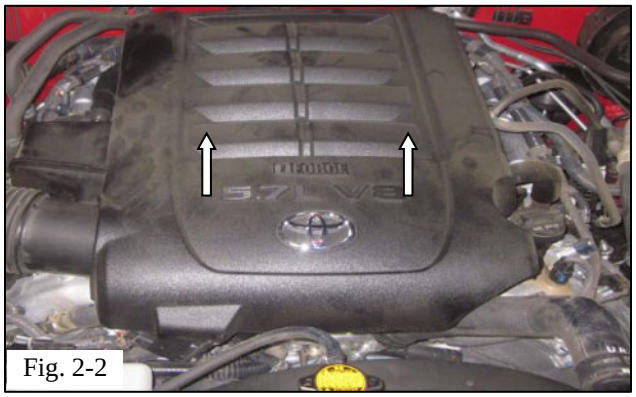


Fig. 2-1

2. Remove the factory components.

(a) Loosen the M6 bolt securing the negative lead to the battery terminal and remove the lead (Fig. 2-1).

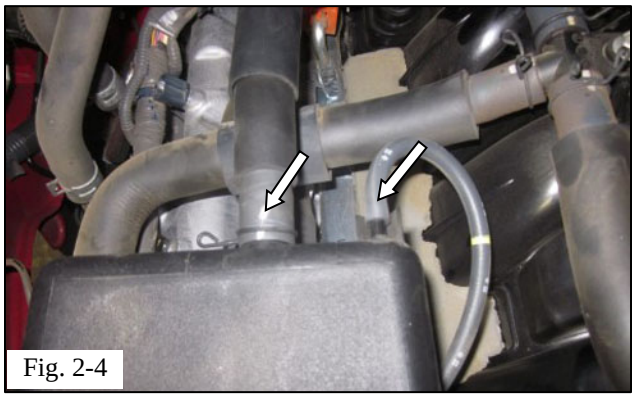

Fig. 2-2

(b) Lift up on the front of the engine cover and pull forward to remove it (Fig. 2-2).

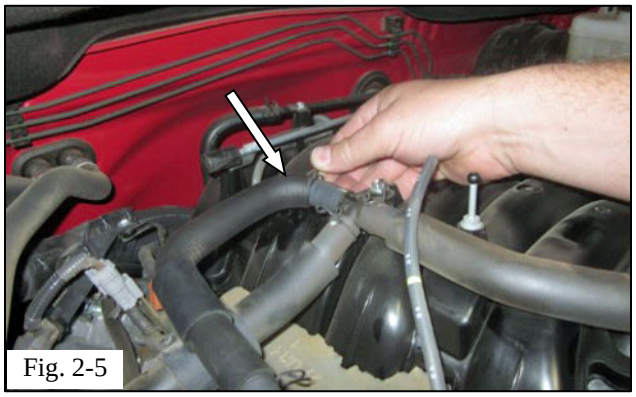


Fig. 2-3

(c) Loosen the inlet tube hose clamp at the throttle body (Fig. 2-3).


Fig. 2-4

(d) Squeeze the clamp on the PCV hose, slide it back, and disconnect the hose from the inlet duct along with the small vacuum hose beside it (Fig. 2-4).


Fig. 2-5

(e) Squeeze the clamp on the other end of the PCV hose and disconnect it from the “T” junction (Fig. 2-5).


Fig. 2-6

(f) Squeeze the clip and unplug the mass air flow sensor (Fig. 2-6).

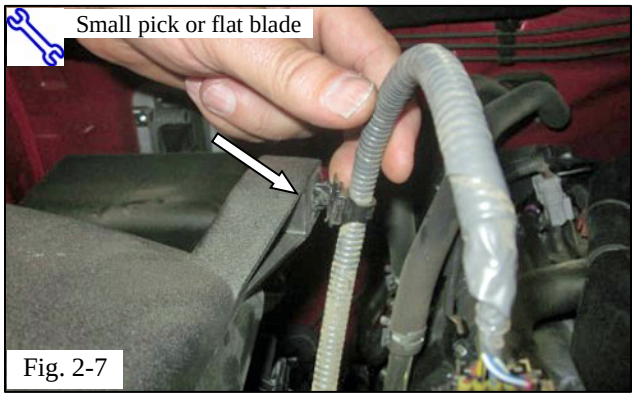
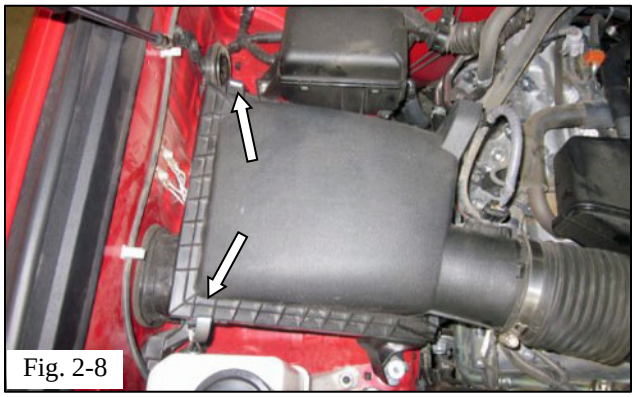
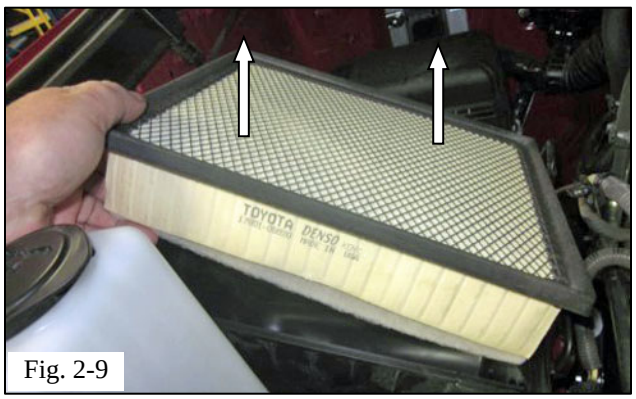


Fig. 2-7

(g) Unclip the mass airflow sensor wiring harness from the side of the factory air cleaner lid (Fig. 2-7). Use a small pick or flat blade to depress the clip tangs.


Fig. 2-8

(h) Unclip the two (2) retaining clips on the air cleaner lid and remove the complete upper assembly (Fig. 2-8).


Fig. 2-9

(i) Lift up to remove the factory air filter (Fig. 2-9).

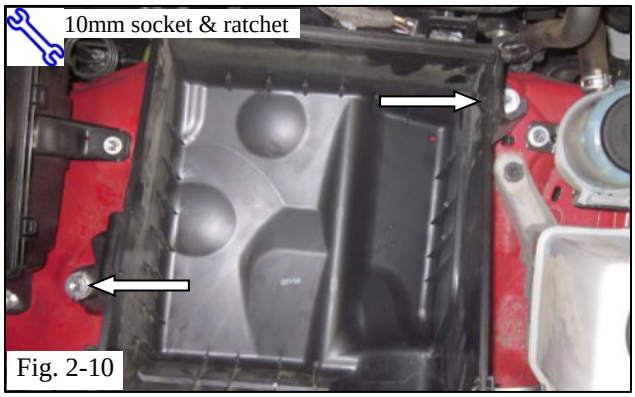


Fig. 2-10

(j) Remove the two (2) M6 bolts holding the lower air cleaner housing and lift it out (Fig. 2-10).

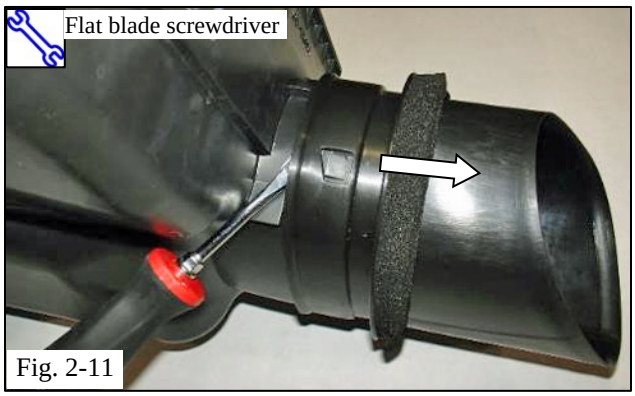
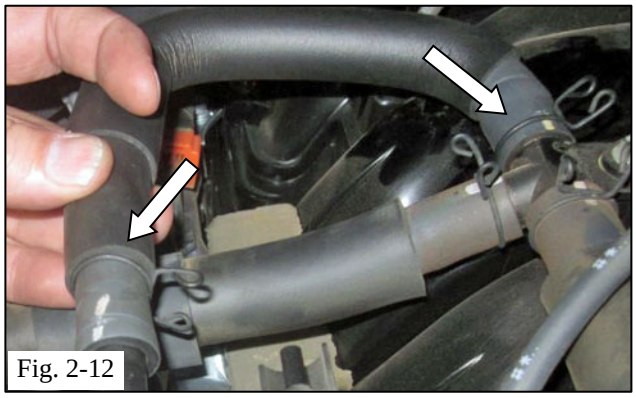


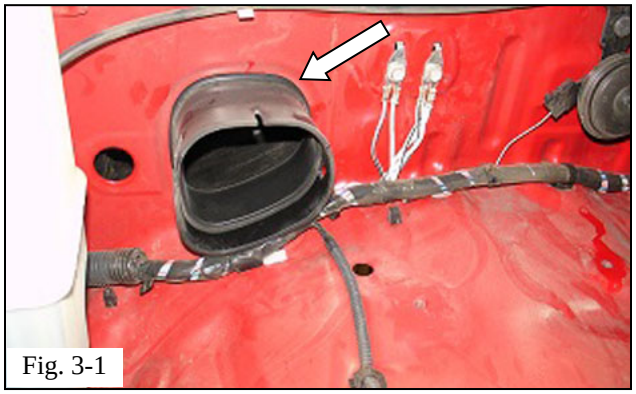
Fig. 2-11

(k) Remove the OE air inlet duct from the lower air cleaner box by using a small screw driver or nylon pry tool to raise the area around the locating tab (Fig. 2-11).


Fig. 2-12

(l) Remove the two (2) spring clips from the OE PCV hose. These will be reused later (Fig. 2-12).

3. Install the TRD air intake system.


Fig. 3-1

(a) Install the TRD air horn into the fender intake opening (Fig. 3-1). The air horn is rubber material and can be deformed to fit through the opening.

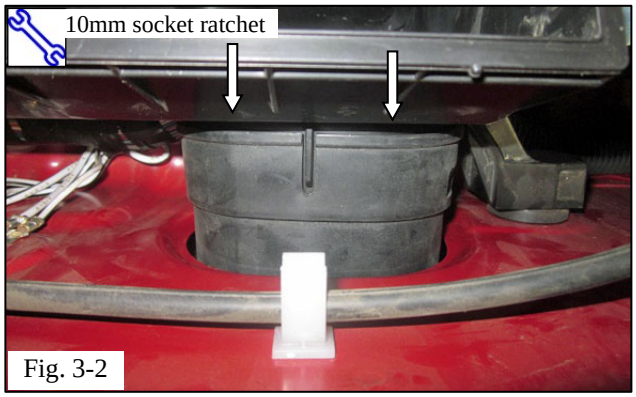


Fig. 3-2

(b) Reinstall the lower air cleaner housing by inserting the air horn through the opening (Fig. 3-2). Use of a light lubricant will aid in the installation of the rubber air horn into the air cleaner.

(c) Secure the lower air cleaner housing reusing the two (2) M6 bolts removed in Step 2(j).

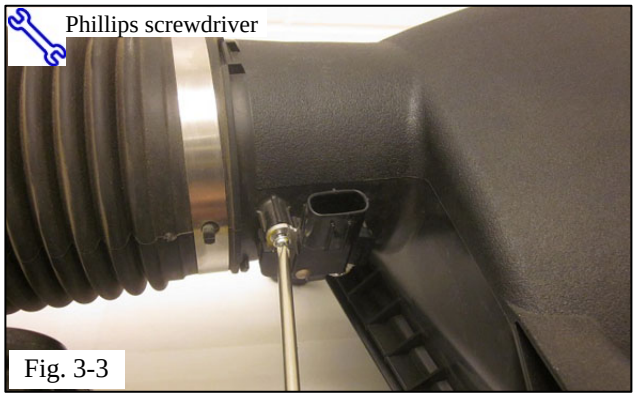


Fig. 3-3

(d) At an area away from the vehicle, such as a workbench, remove the mass airflow sensor from the factory air cleaner lid (Fig 3-3).

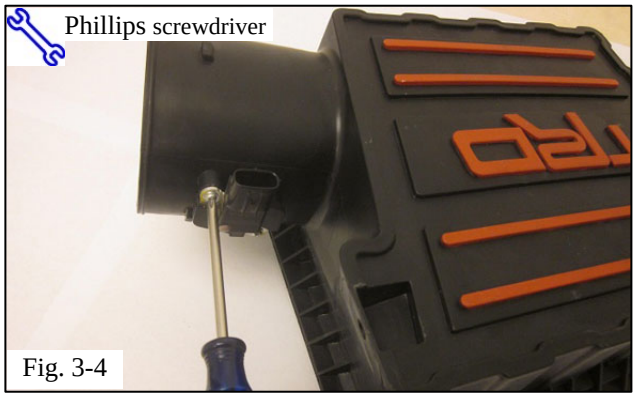


Fig. 3-4

(e) Install the mass airflow sensor into the TRD air cleaner lid (Fig. 3-4).

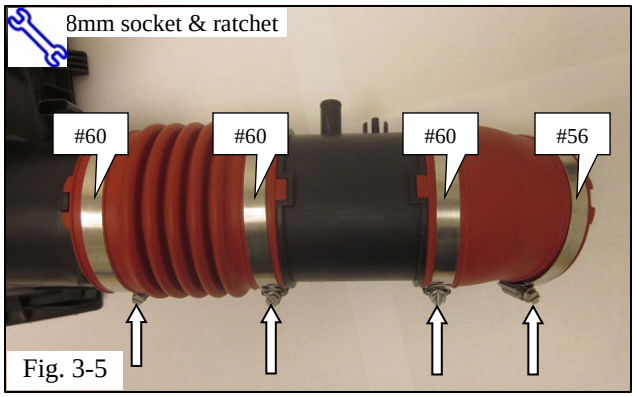
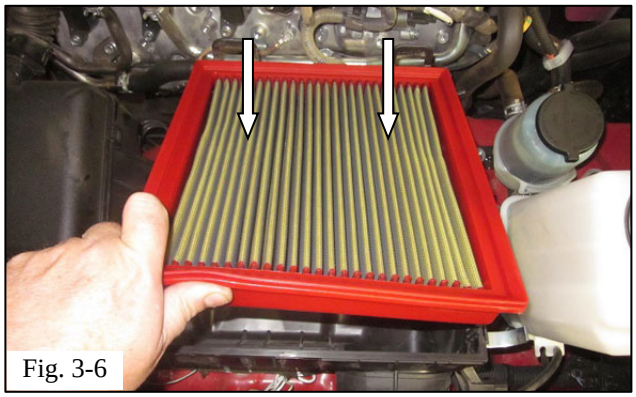


Fig. 3-5

(f) Assemble the bellows, inlet tube and coupler intake components as shown and attach them to the TRD air cleaner lid (Fig. 3-5). Make sure the hose clamps hex drive heads (indicated by the arrows in the picture) are oriented as shown.

(g) Tighten the three #60 hose clamps only.

Torque: 3.4 N-m (30 in-lb)


Fig. 3-6

(h) Install the TRD reusable air filter into the lower air cleaner housing (Fig. 3-6).

(i) Install the assembled TRD intake system.

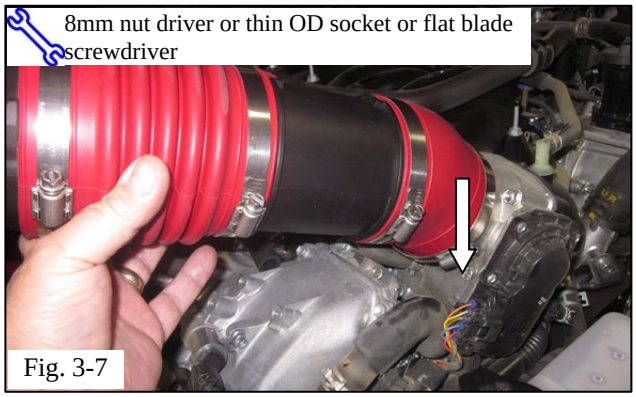


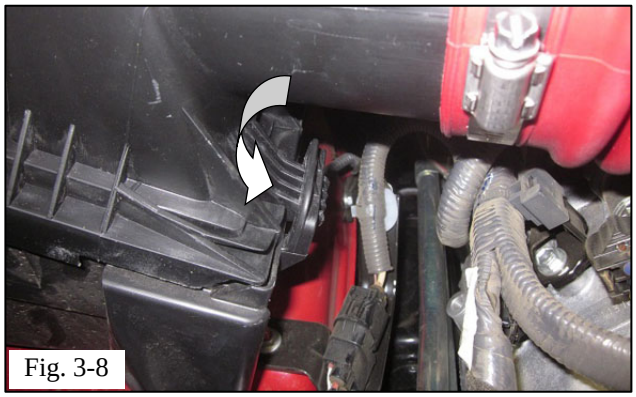
Fig. 3-7

(1) Push the coupler over the throttle body (Fig. 3-7).

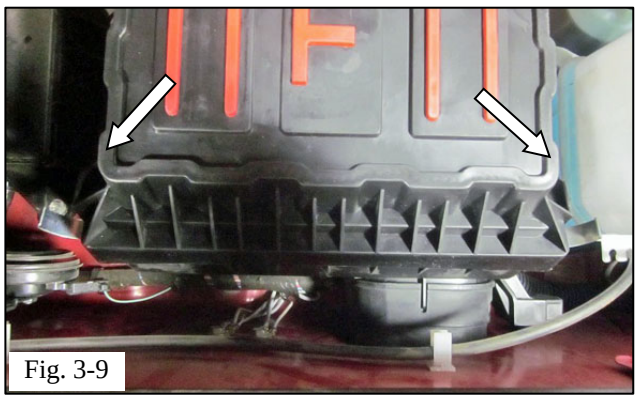
(2) Position the #56 hose clamp hex drive head for easy access (arrow, Fig. 3-7).

(3) Once positioned, tighten the #56 hose clamp with the proper tool.

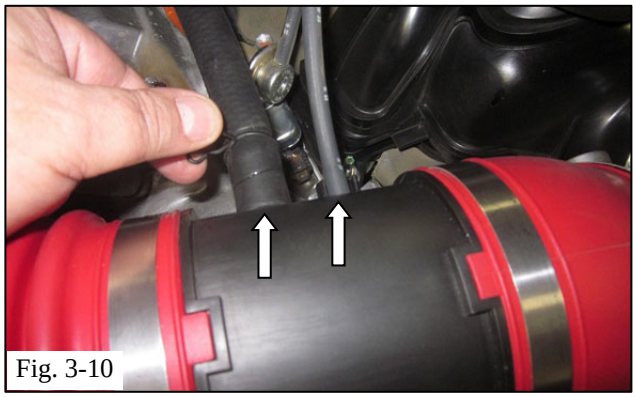
Torque: 3.4 N-m (30 in-lb)


Fig. 3-8

(j) Make sure the two (2) tabs on the air cleaner lid and lower housing are fully engaged (Fig. 3-8).


Fig. 3-9

(k) Engage the clips to secure the air cleaner lid in place (Fig. 3-9).

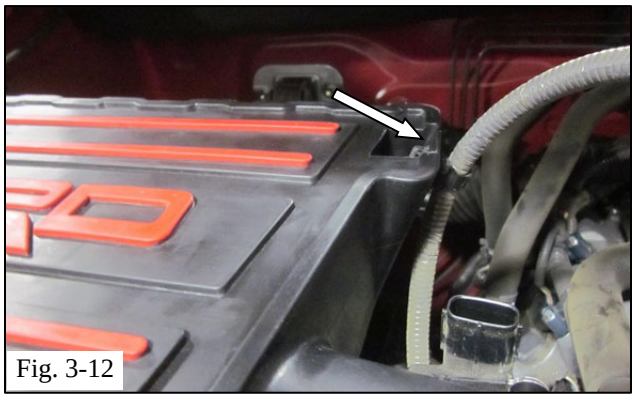

Fig. 3-10

(l) Connect the TRD PCV hose to the inlet tube using one (1) spring clamp removed in Step 2(l) (Fig. 3-10).

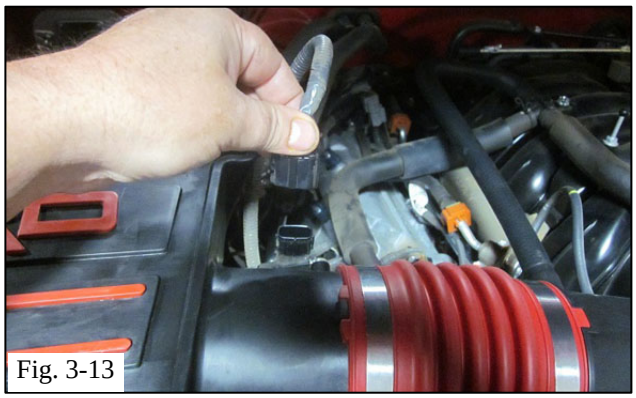
(m) Connect the small vacuum line next to the PCV hose.


Fig. 3-11

(n) Connect the other end of the PCV hose to the "T" junction with the second spring clamp removed in step 2(l) (Fig 3-11).


Fig. 3-12

(o) Attach the mass air flow wire harness to the TRD air cleaner lid (Fig. 3-12).


Fig. 3-13

(p) Connect the mass airflow sensor (Fig. 3-13).

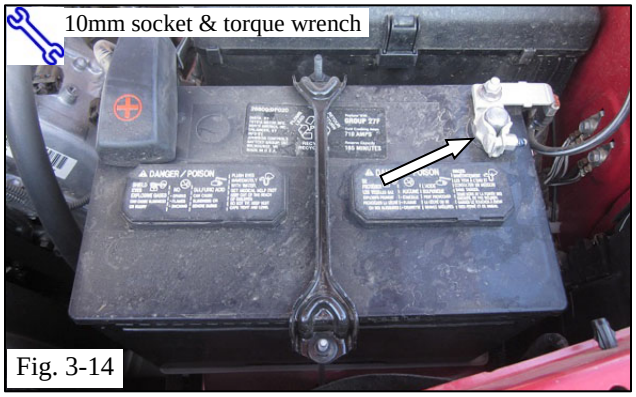


Fig. 3-14

(q) Reconnect the battery negative lead to the battery terminal (Fig. 3-14).

Torque: 5.4 N-m (48 in-lb)


Fig. 3-15

(r) Reinstall the engine cover (Fig. 3-15).

4. Emissions Compliance Information.

(a) A new process has been implemented. The Emissions Label is no longer included in the Performance Air Intake Kit.

(b) If your state requires an Emissions Compliance Label, one may be ordered through your Toyota dealer or the Toyota Materials Distribution Center (MDC) at 310-468-9800 or MDC@toyota.com.


Fig. 4-1

(c) The emissions label (if required) should be affixed onto the vehicle hood in the location shown by the arrow in Fig. 4-1.

(d) This TRD Performance Air Intake Kit has received 50-State Emissions Compliance via the California Air Resources Board (CARB). Not all states require the Emissions Compliance Label but TRD does recommend ordering one. To receive the proper Emissions Compliance Label for this TRD Performance Air Intake Kit, please order MDC part number 00602-34150. Proof of ownership may be required.

Caring For the Finish on the TRD Cold Air Intake

TRD Cold Air Intake Systems have a natural finish on the couplers and the air filter housing.

To clean the TRD Cold Air Intake system, simply spray it with window cleaner and wipe with a soft, clean terry-cloth towel.

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

It is recommended that the TRD air filter element is serviced with TRD's filter cleaning kit (P/N PTR43-00088) at the TRD recommended service intervals to maintain optimum performance.

If the vehicle is driven in a region with extremely fine dust (arid or desert climates for example); follow the Toyota recommended service schedule for driving on dirt or dusty roads.

TOYOTA TUNDRA/SEQUOIA 5.7L 2014 - 2018 PERFORMANCE AIR INTAKE

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:	Look For:
Accessory Function Checks	
☐ Start the vehicle.	Verify smooth idle and no MIL.
☐ If after you start the vehicle, or while driving, you encounter a Malfunction Indicator Lamp (MIL), check the items to the right.	Full engagement of the mass airflow sensor connector. Verify all clamps are tight. Correctly installed valve cover breather hose.
☐	
Vehicle Function Checks	
☐ If the lamp will not go off even after checking and/or repairing any of the above:	Contact your Toyota dealer as soon as possible.
☐ Check the battery cable torque	Verify the torque is 5.4 N-m (48 in-lb).
☐	
Vehicle Appearance Check	
☐ After accessory installation and removal of protective cover(s), perform a visual inspection.	Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMS Accessory Quality Shipping Standard.)

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