Part Number: PTR03-1C160

Kit Contents

Item #	Quantity Reqd.	Description
1	1	TRD Upper air box
2	1	TRD Air Filter
3	1	Coupler Kit
	2	#44 Hose Clamp
	1	Coupler

Additional Items Required for Installation

Item #	Quantity Reqd.	Description
None		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	**Notes**
Blankets or Fender Covers	
Special Tools	**Notes**
None	
Installation Tools	**Notes**
Nut Driver or Socket	8mm or 5/16”
10mm Socket	
Ratchet	
Extension	
Pliers	
Torque Wrench	## in-lbf (#.# N-m)
Phillips Screwdriver	#3
Special Chemicals	**Notes**
None	

General Applicability

2018 and newer C-HR models

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1		
2		
3		

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.

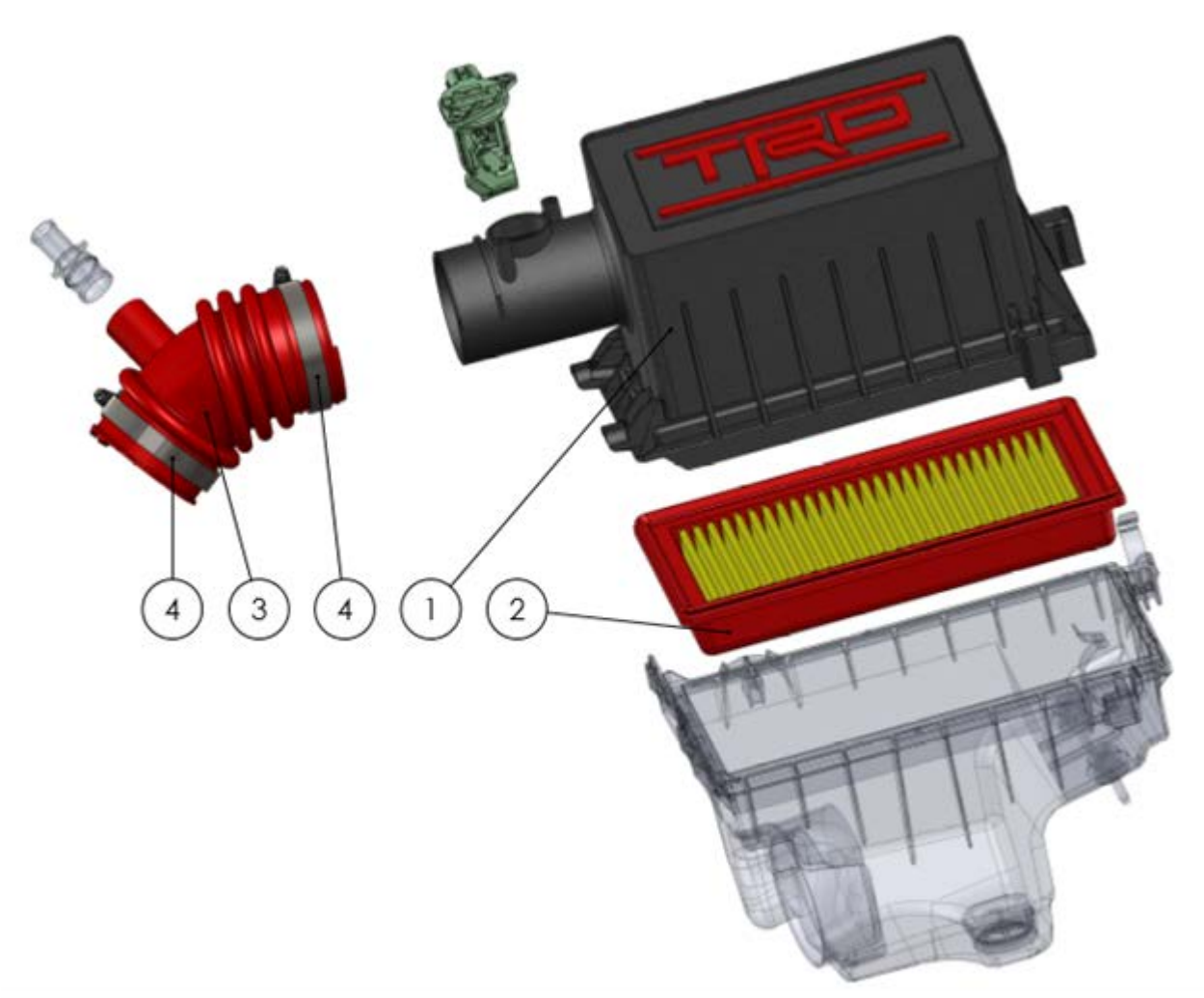
SAFETY TORQUE: This mark indicates that torque is related to safety.

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 **PT965-1C190-0E**. Proof of ownership may be required.


TRD
4
3
4
1
2

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.

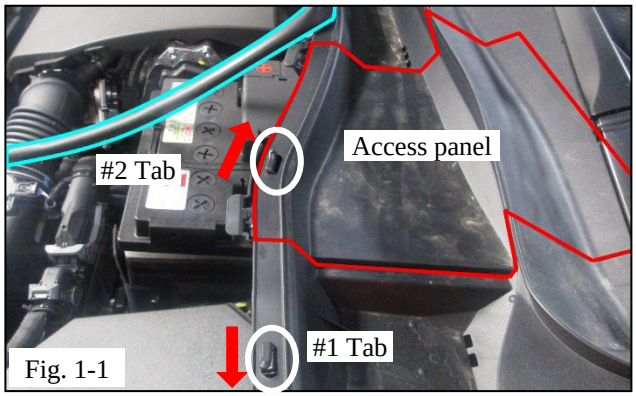


Fig. 1-1

1. Prepare for the Installation.

STOP (a) Confirm the electric parking brake is engaged.

(b) Open the hood.

(c) Protect the fender before starting.

STOP (d) Locate the hood weather-strip on the cowl trim (outlined in blue, Fig. 1-1).

(e) Pull the weather-strip outboard and lift to remove it from Tab #1 (Fig. 1-1).

(f) Push the weather-strip inboard and lift to remove it from Tab #2 (Fig. 1-1).

(g) Lay the weather-strip away from the cowl (Fig. 1-1).

NOTE: Tab #1 and Tab #2 point in opposite directions. Take care not to damage the weather-strip during removal.

(h) Disengage the access panel front clips (x2), then lift the panel up and away from the windshield edge to disengage the rear clips. Set the panel aside.

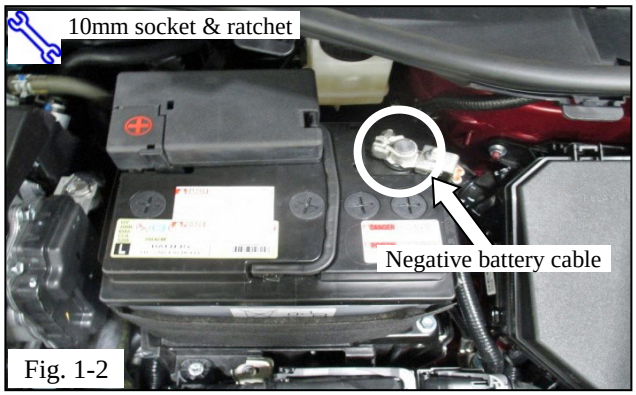
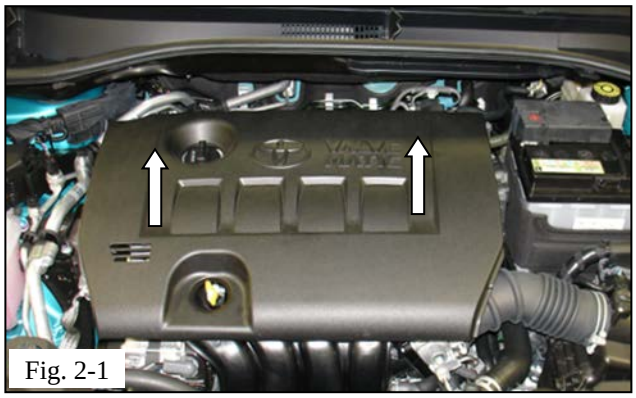


Fig. 1-2

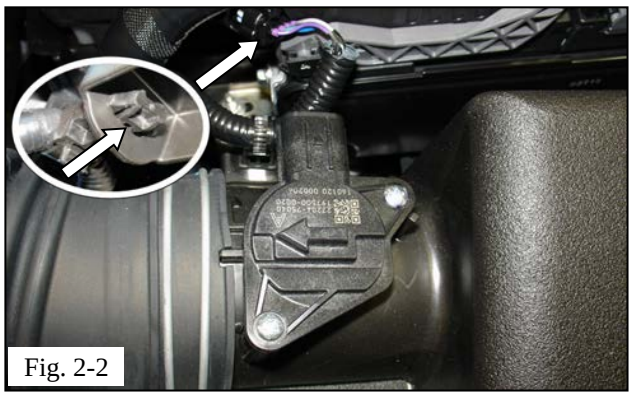
(i) Remove the negative battery cable (Fig. 1-2).

CAUTION: Do not touch the positive terminal with any tool when removing cable.

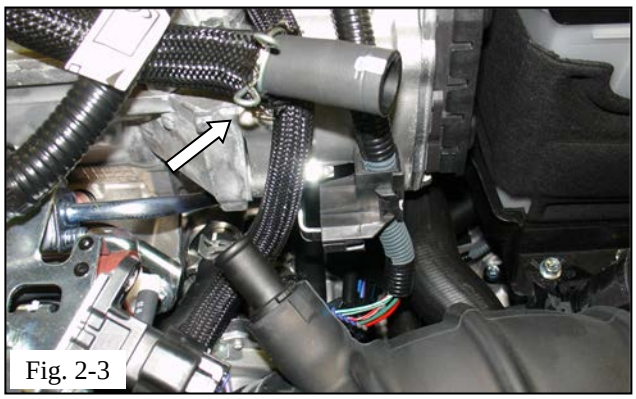
2. Remove the Factory Components.


Fig. 2-1

(a) Remove the engine cover by lifting (pulling) straight up (Fig. 2-1).


Fig. 2-2

(b) Unplug the MAF sensor and unclip the MAF sensor wiring harness from the OEM air box lid (Fig. 2-2).


Fig. 2-3

(c) Disconnect the crank case vent hose from the OEM air intake bellows, by pinching the spring clamp and pulling off (Fig. 2-3).

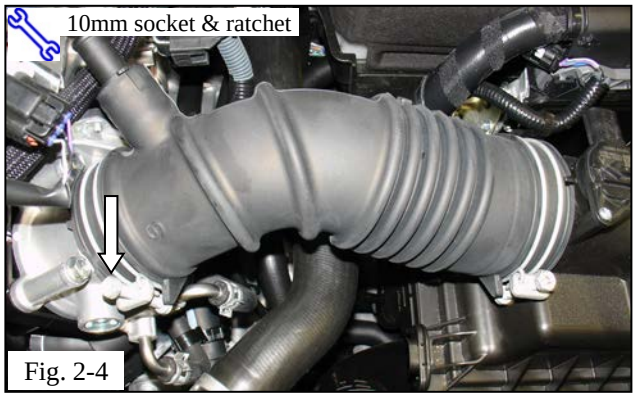
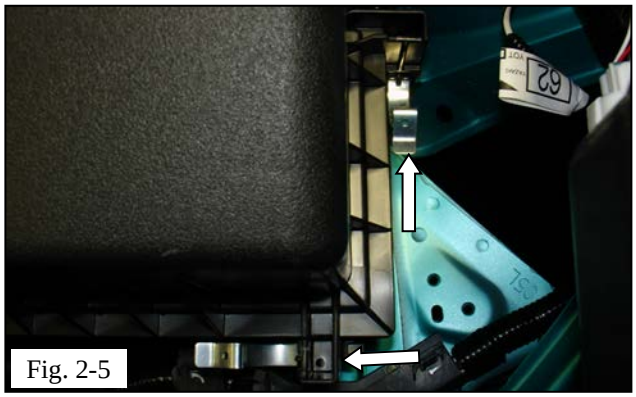
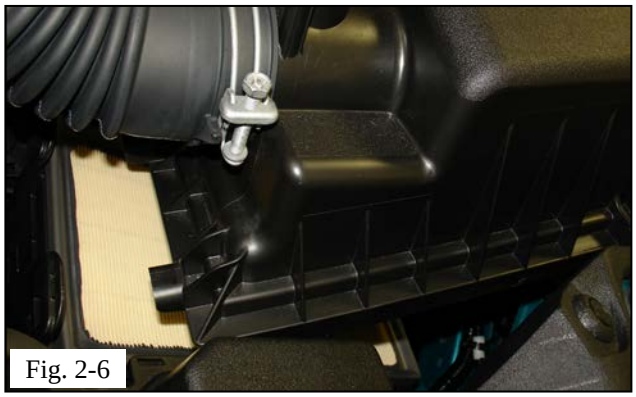


Fig. 2-4

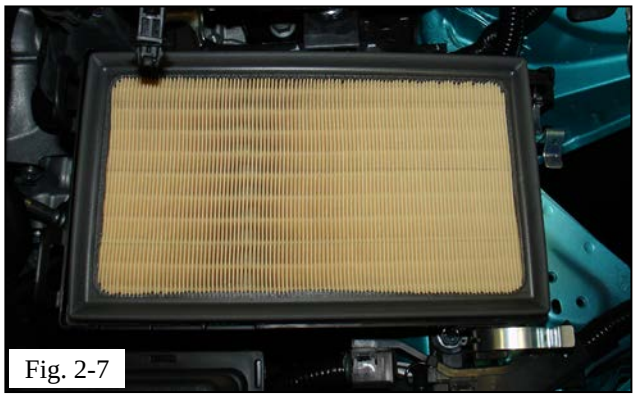
(d) Loosen the OEM hose clamp at the throttle body (Fig. 2-4).


Fig. 2-5

(e) Unclip the two air box clips (Fig. 2-5).


Fig. 2-6

(f) Lift and remove the upper air box and coupler as an assembly (Fig. 2-6).


Fig. 2-7

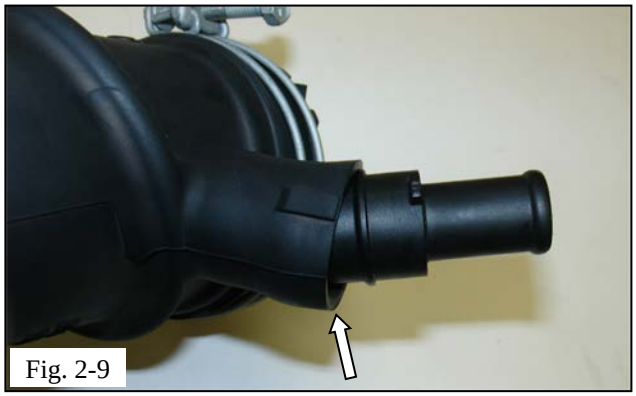
(g) Remove the OEM air filter (Fig. 2-7).



Fig. 2-8

(h) On a workbench, remove the MAF sensor from the OEM air box by removing the two screws (Fig. 2-8).

NOTE: Keep the screws and MAF sensor for later reuse.


Fig. 2-9

(i) On a workbench, remove the plastic PCV connector barb from the OEM coupler (Fig. 2-9).

NOTE: Keep the PCV connector for later re-use.

3. Install the TRD Air Intake.

(a) On a workbench, install the MAF sensor into the TRD air box (Fig. 3-1).

NOTE: Secure the air intake in place by using the screws removed in Step 2(h).

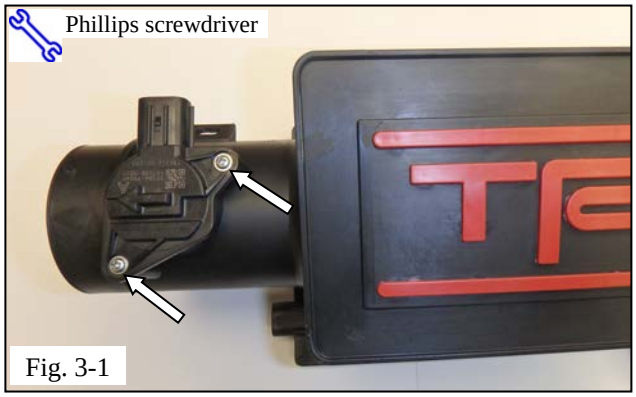
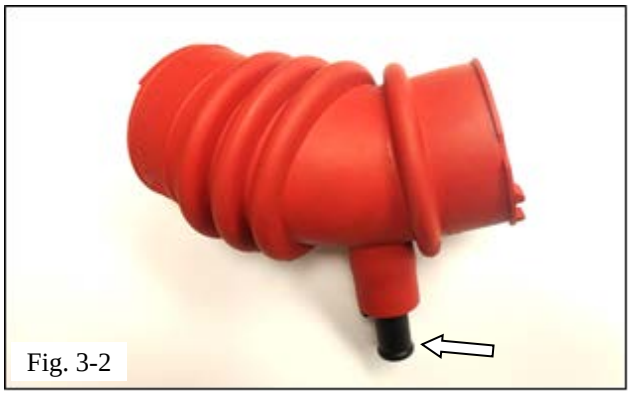
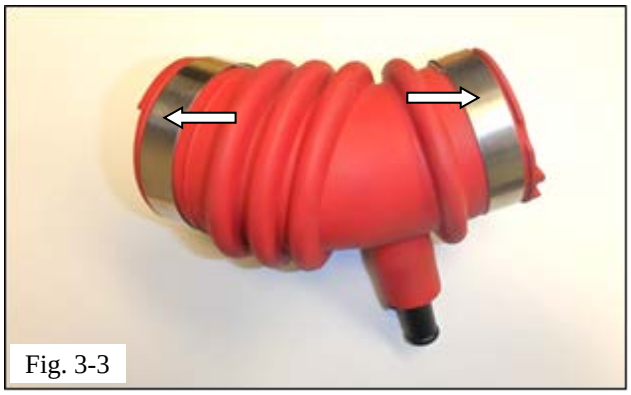


Fig. 3-1

(b) On a workbench, install the OEM plastic PCV connector barb into the TRD coupler (Fig. 3-2).

NOTE: The connector barb may be lubricated with a small amount of soapy water to aid installation.


Fig. 3-2


Fig. 3-3

(c) On a workbench, install the 2 hose clamps loosely; do not tighten it at this time (Fig. 3-3).

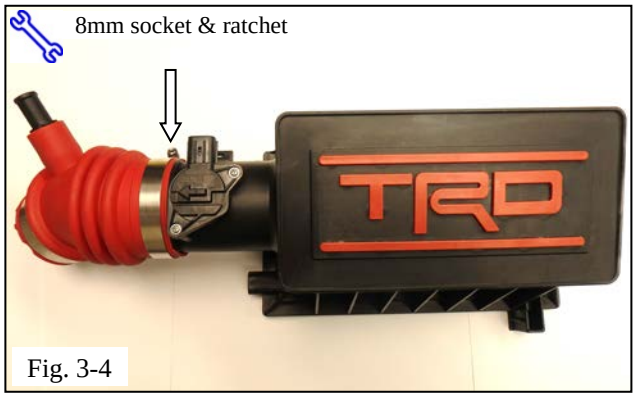
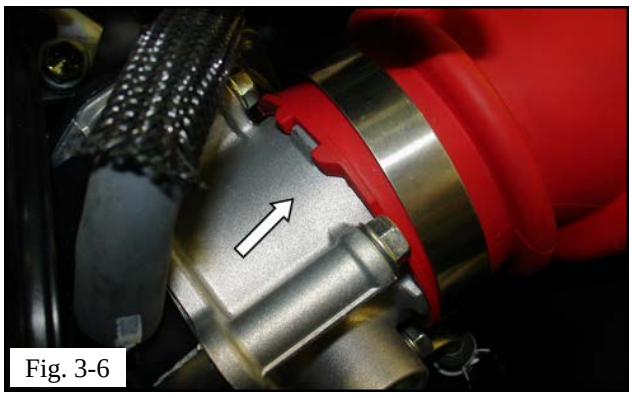


Fig. 3-4

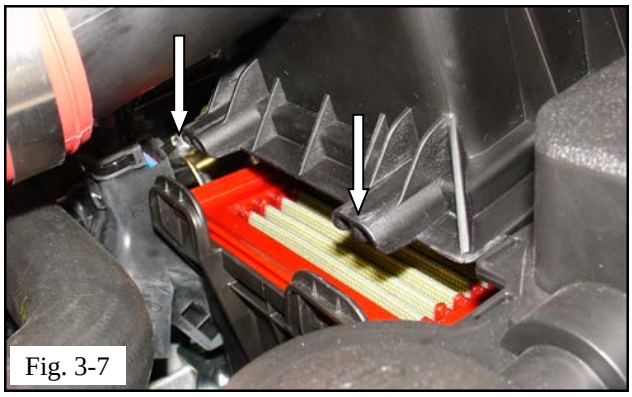
(d) On a workbench, connect the coupler to the airbox neck; do not tighten it at this time (Fig. 3-4).


Fig. 3-5

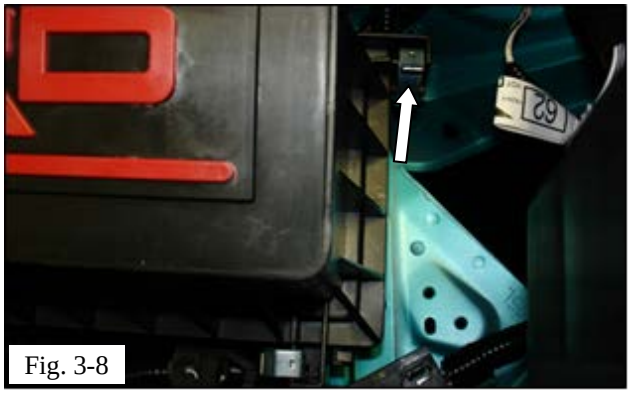
(e) Install the TRD air filter. Noting proper orientation by matching the square corner of the air filter to the proper corner of the OEM lower air box (Fig 3-5).


Fig. 3-6

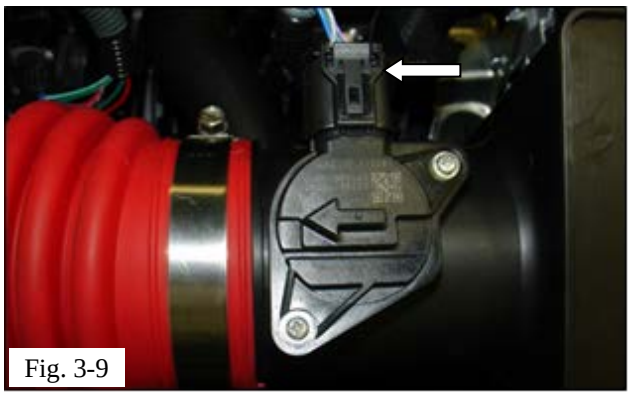
(f) Install the TRD coupler loosely on the throttle body (Fig 3-6).


Fig. 3-7

(g) Guide the inboard mounts of the air box top into the loops on the OEM lower air box (Fig. 3-7).


Fig. 3-8

(h) Ensure that the upper airbox is properly seated on the air filter and secure the upper air box with the 2 air box clips (Fig. 3-8).


Fig. 3-9

(i) Plug in the mass airflow sensor connector and secure the wire harness to the airbox (Fig. 3-9).


Fig. 3-10

(j) Reconnect the crankcase vent hose to the TRD air intake bellows. Secure the assembly with a spring clip (Fig. 3-10).

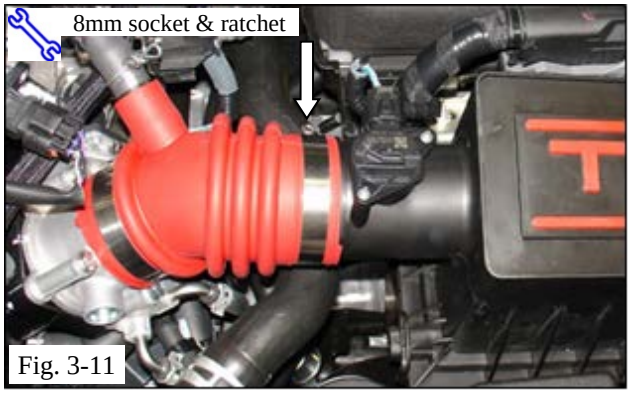


Fig. 3-11

(k) Tighten the coupler hose clamps at the throttle body and air box (Fig. 3-11).

Torque: 3.4 N·m (30 in·lbf)

NOTE: Ensure the clamp screws do not contact any nearby wiring, hoses or components when tightened.



Fig. 3-12

(l) Reinstall the engine cover by aligning engine cover grommets above mounting pins and push down to install the engine cover (Fig. 3-12).



Fig. 3-13

(m) Do a final check to ensure all wires and hoses are secure. Reconnect the negative battery cable to the negative battery terminal (Fig. 3-13).

Torque: 5.4 N·m (48 in·lbf)

(n) Reinstall the cowl access panel and reattach weatherstrip removed in Step 1.

NOTE: Start the vehicle and ensure the check engine light is not illuminated**.**

4. Air Intake Maintenance and Care Pointers.

(a) TRD Intake Systems have a natural finish on the couplers and air filter housing.

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

(c) Never use harsh chemicals or metal polish on TRD intake systems. Harsh chemicals and metal polishes will permanently damage the finish.

(d) It is recommended that the TRD air filter is serviced every 50,000 miles with a TRD Filter Service Cleaning Kit, part number PTR43-00088, for optimum performance.

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

Check:	Look For:
Vehicle Function Checks	
☐ Start the vehicle. If a Malfunction Indicator Lamp (MIL) illuminates during idle or while driving, check the following:	Full engagement of MAF sensor connector, tightness of all clamps, correctly installed valve cover breather hose, over-oiled filter.
☐ Over-oiled air filter	Clean the air 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.
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.)