

## ***advanced FLOW engineering***

Cold Air Intake System

**Instruction Manual** P/N: 51-81932 / 54-81932 / 75-81932

**Make:** Toyota

**Model:** 4Runner

**Year:** 2010-2022

**Engine:** V6-4.0L

**Make:** Toyota

**Model:** FJ Cruiser

**Year:** 2010-2014

**Engine:** V6-4.0L

**Make:** Toyota

**Model:** FJ Cruiser (Non-US Model)

**Year:** 2015-2022

**Engine:** V6-4.0L

**Make:** Toyota

**Model:** Land Cruiser Prado (Non-US Model)

**Year:** 2010-2022

**Engine:** V6-4.0L



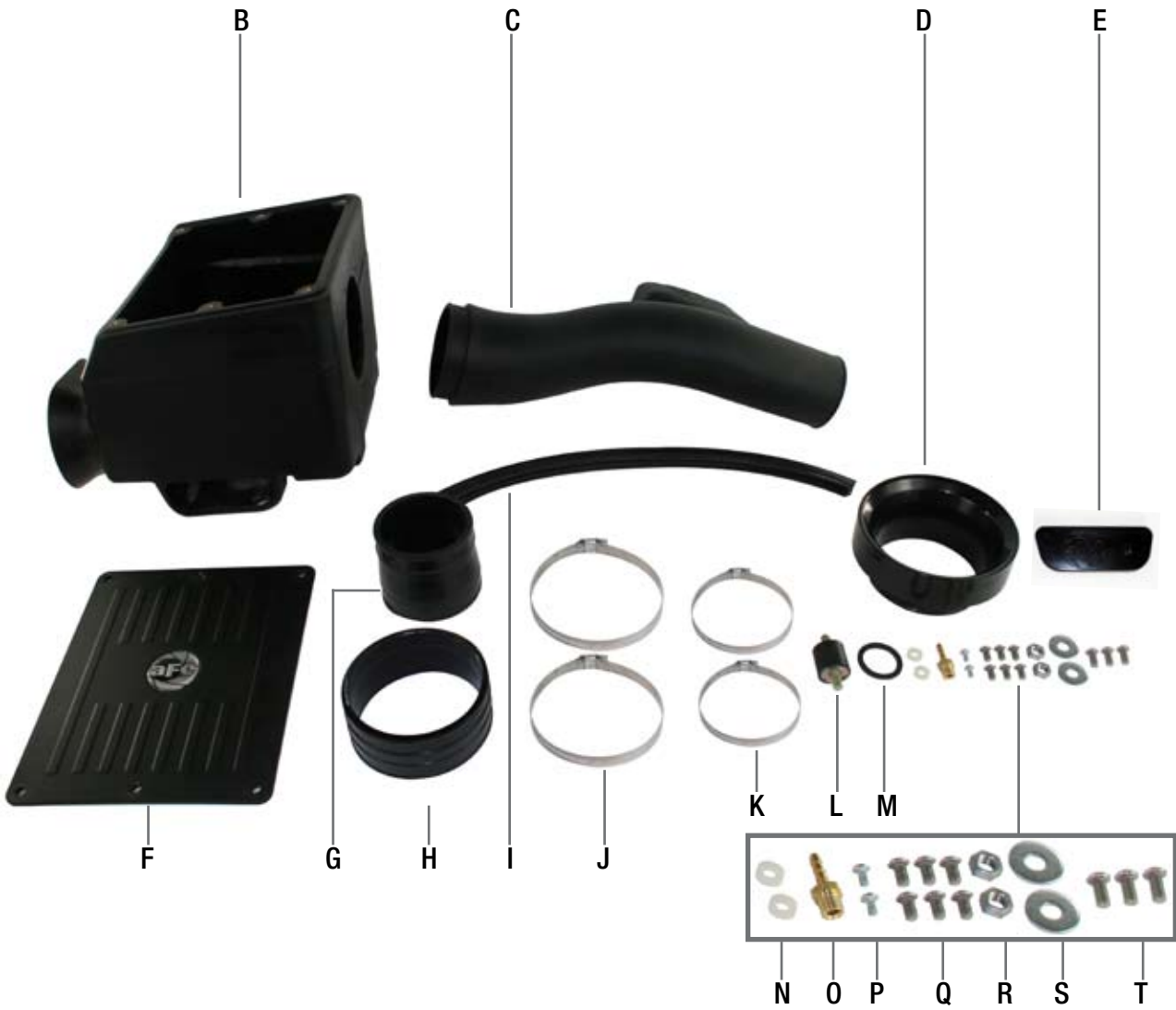
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Pro DRY S Air Filter	21-90044 (Gray Media) Included in kit 51/54-81932
A2	1	Pro 5R Air Filter	24-91021 (Blue Media) Included in kit 54-81932
A3	1	Pro GUARD 7 Air Filter	72-90044 (Gold Media) Included in kit 75-81932
B	1	Housing	05-00823
C	1	Tube	05-81932B1
D	1	Injection Molded Adaptor	05-00611
E	1	Plug	05-00937
F	1	Cover	05C00823B
G	1	Coupling, Silicone Hump	05-01399
H	1	Coupling, Silicone Reducer	05-01400
I	1	Trim Seal - 17"	05-00789
J	2	#72 Clamp	03-50010
K	2	#48 Clamp	03-50007
L	1	Isolation Mount	03-50063
M	1	MAS Gasket	05-00762
N	2	Nylon Spacer	03-50090
O	1	Brass Hose nipple	03-50191
P	2	Flat Head Screws 8-32x5/8	03-50030
Q	6	Small Button Head Screw	03-50113
R	2	Hex Nut	03-50087
S	2	Flat Washer	03-50065
T	3	Large Button Head Screws	03-50102

Warranty Information available at: <https://afepower.com/contact#warranty>

Emissions Disclaimer:

This product is not currently CARB exempt and is not available for purchase in California or for use on any vehicle registered with the California Department of Motor Vehicles.



**Figure A****Refer to Figure A for steps 1 - 3**

Step 1. Complete stock intake

Step 2. Lift up on the front of the engine cover ① and pull straight out to remove.

Step 3. Unplug the MAF sensor and wire harness ② from the stock intake cover.

**Figure B****Refer to Figure B for steps 4-7**

Step 4. Using a 10mm nut driver, unscrew the hose clamp (3) at the airbox.

Step 5. Unclip the 4 clips (4) on the airbox and remove the airbox top.

Step 6. Pull out the OE air filter.

Step 7. Using a 12mm socket, ratchet and extension, remove the 3 bolts (5) that secure the bottom of the stock airbox to the vehicle.



Figure C

**Refer to Figure C for steps 8-9**

Step 8. Remove airbox from vehicle.

Step 9. Disconnect the Crank Case Vent (CCV) hose (6) from the intake tube by sliding back the spring clamp and pulling the hose off.

**Figure D****Refer to Figure D for steps 10 -12**

- Step 10. Remove the vacuum line (7) from the intake plenum by twisting and pulling it off at the same time.
- Step 11. Using a 10mm nut driver loosen the hose clamp (8) at the throttle body.
- Step 12. Use a 10mm socket and a ratchet to remove the bolt (9) that secures the intake tube bracket to the engine



Figure E

**Refer to Figure E for step 13**

Step 13. Remove the stock intake tube from the vehicle and prepare to install your new aFe Power intake.





Figure F

**Refer to Figure F for steps 14-15**

Step 14. Remove two of the isolation mounts from the stock intake housing by pushing the metal sleeve out and then removing the rubber grommet from the housing.

Step 15. Insert the rubber grommets into the two large holes in the bottom of the aFe housing and then push the metal sleeves into the grommets.



**Figure G**

**Refer to Figure G for step 16**

Step 16. Install the aFe 3-angle adaptor into the aFe housing. Use 3 of the large button-head Allen screws and a 4mm Allen wrench to fasten the adaptor to the housing.



Figure H

**Refer to Figure H for step 17**

Step 17. Install the trim seal on the air inlet port of the housing. Make sure the trim seal is pushed all the way onto the plastic to ensure an accurate fit in the vehicle.



Figure I

**Refer to Figure G for steps 18-19**

Step 18. Install a nut and a washer to one side of the isolation mount as shown.

Step 19. Install the isolation mount assembly into the vehicle in the location shown.

**Figure J****Refer to Figure H for steps 20-21**

Step 20. Install the housing into the vehicle and secure it using two of the stock air box bolts. Use an M8 washer and nut to fasten the housing to the new isolation mount.

Step 21. Tighten the M8 nut with a 13mm socket, a ratchet and an extension. Use the 12mm socket and an extension to tighten the two stock bolts.

*Note: If your vehicle has factory horns that are mounted in the way of the new aFe housing, then you will need to relocate them. This can be done by flipping the bracket around and mounting the horn in the pre-tapped hole closer to the firewall.*


**Figure K**

**Refer to Figure G for steps 22-24**

Step 22. Install the brass nipple (03-50191) onto the tube using a ½” open-end wrench.

Step 23. Remove the MAF sensor from the stock intake cover using a #1 Phillips screwdriver.

Step 24. Install the MAF gasket (05-00118) onto the tube by removing the white paper off of the backside of the gasket and applying the sticky side of the gasket towards the tube. Use the spacers and the screws provided to fasten the MAF sensor to the aFe intake tube.



Figure L

**Refer to Figure H for steps 25-30**

Step 25. Install large coupling (05-00421) onto 3-angle adaptor using two 72mm clamps. (Do Not Tighten)

Step 26. Install small coupling (05-00815) over the throttle body using two 48mm clamps. (Do Not Tighten)

Step 27. Install intake tube as shown. (Insert tube into large coupling first. Tilt small coupling upward and drop the tube down. Adjust the tube between couplings for best clamp engagement)

Step 28. Connect CCV hose (10) to the intake tube using the spring clamp.

Step 29. Connect the vacuum line (11) to the brass fitting by twisting the hose, pushing at the same time.

Step 30. Re-connect the MAF (12) sensor wire harness.


**Figure M**

**Refer to Figure G for steps 31-32**

Step 31. If your kit came with an aFePower Pre-Filter, install the Pre-Filter prior to installing the filter.

Step 32. Install the filter into the 3-angle adaptor and slide it all the way to the back wall of the housing. Tighten the hose clamp using a 8mm nut driver.







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