

advanced FLOW engineering

Cold Air intake System

Instruction Manual P/N: 54-13012D / 54-13012R / 54-13012G

Make: Nissan Model: Patrol (Y61) Year: 2001-2016 Engine: I6-4.8L (Engine: TB48DE)



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call technical support at 951-493-7185 or e-mail tech@afepower.com.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect both the negative battery terminal before proceeding.

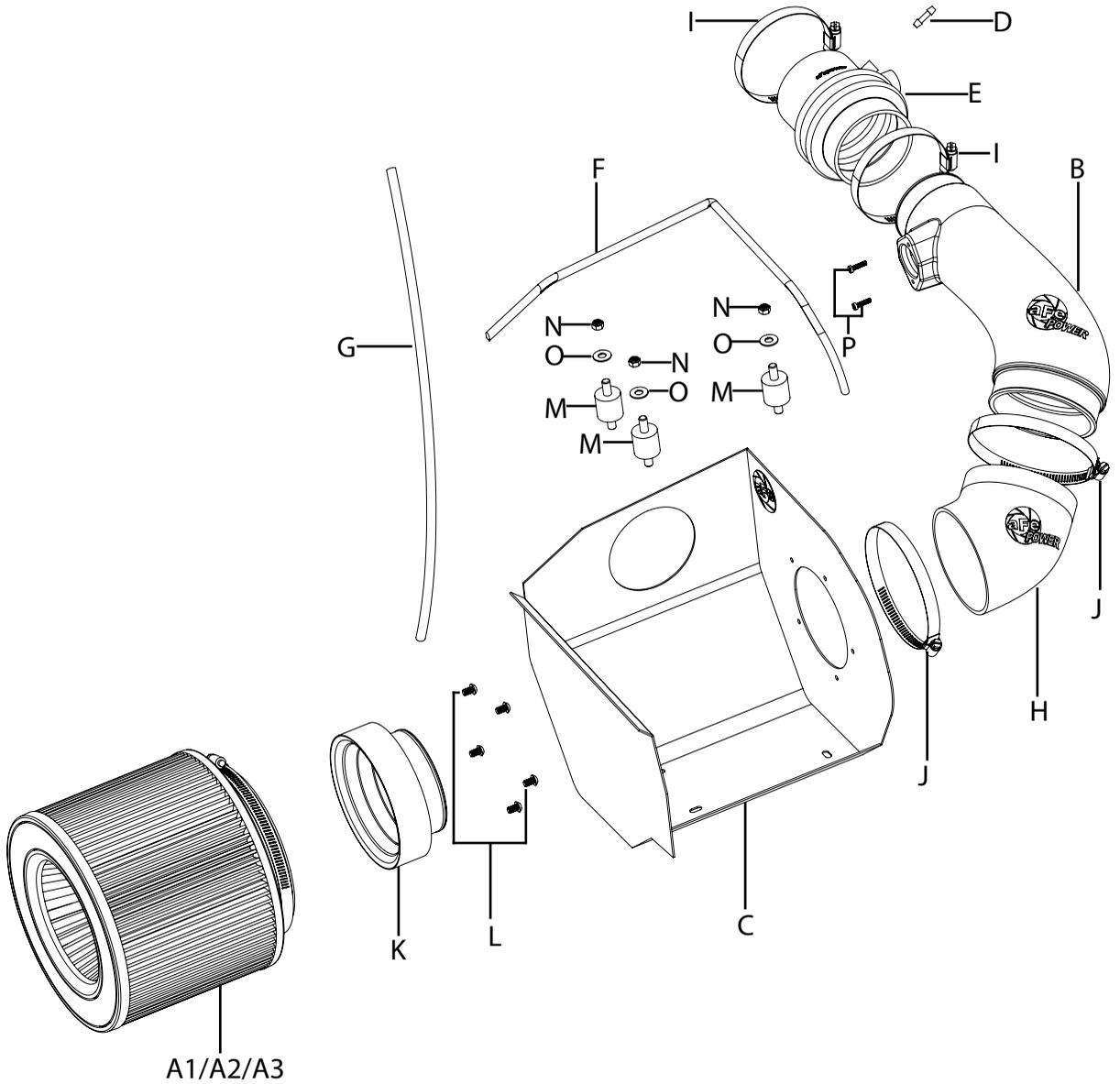
Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Pro 5R (Blue Media)	24-91128
A2	1	Pro DRY S (Gray Media)	21-91128
A3	1	Pro-GUARD 7 (Gold Media)	72-91128
B	1	Tube	05-13012B1
C	1	Housing	05-13012B2
D	1	Fitting	03-50150
E	1	Coupling, Silicone Bellow	05-01404
F	1	Seal, Trim: 3/4" Bulb (24")	05-00007
G	1	Seal, Trim: 3/4" Bulb (16")	05-00007
H	1	Coupling, Elbow	05-00968
I	2	Clamp, #048	03-50007
J	2	Clamp, #064	03-50006
K	1	Adaptor	05-00611
L	5	Screw, Btn Hd Socket: M6	03-50113
M	3	Isolation Mount: M6	03-50022
N	3	Nut, Hex Nylon Lock: M6	03-50185
O	3	Washer, Flat: M6	03-50070
P	2	Screw, Torx: M4	03-50490

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

Installation will require the following tools:
10mm & 8mm nut drivers, pliers, T20 & T25 drivers, 10mm & 11mm deep sockets & drivers and 10mm wrench.

Note: Not legal for use in California. The use of this device in any on-road or off-road vehicles registered with the California Dept of Motor Vehicles (DMV) is strictly prohibited. Vehicle does NOT exist in the US.



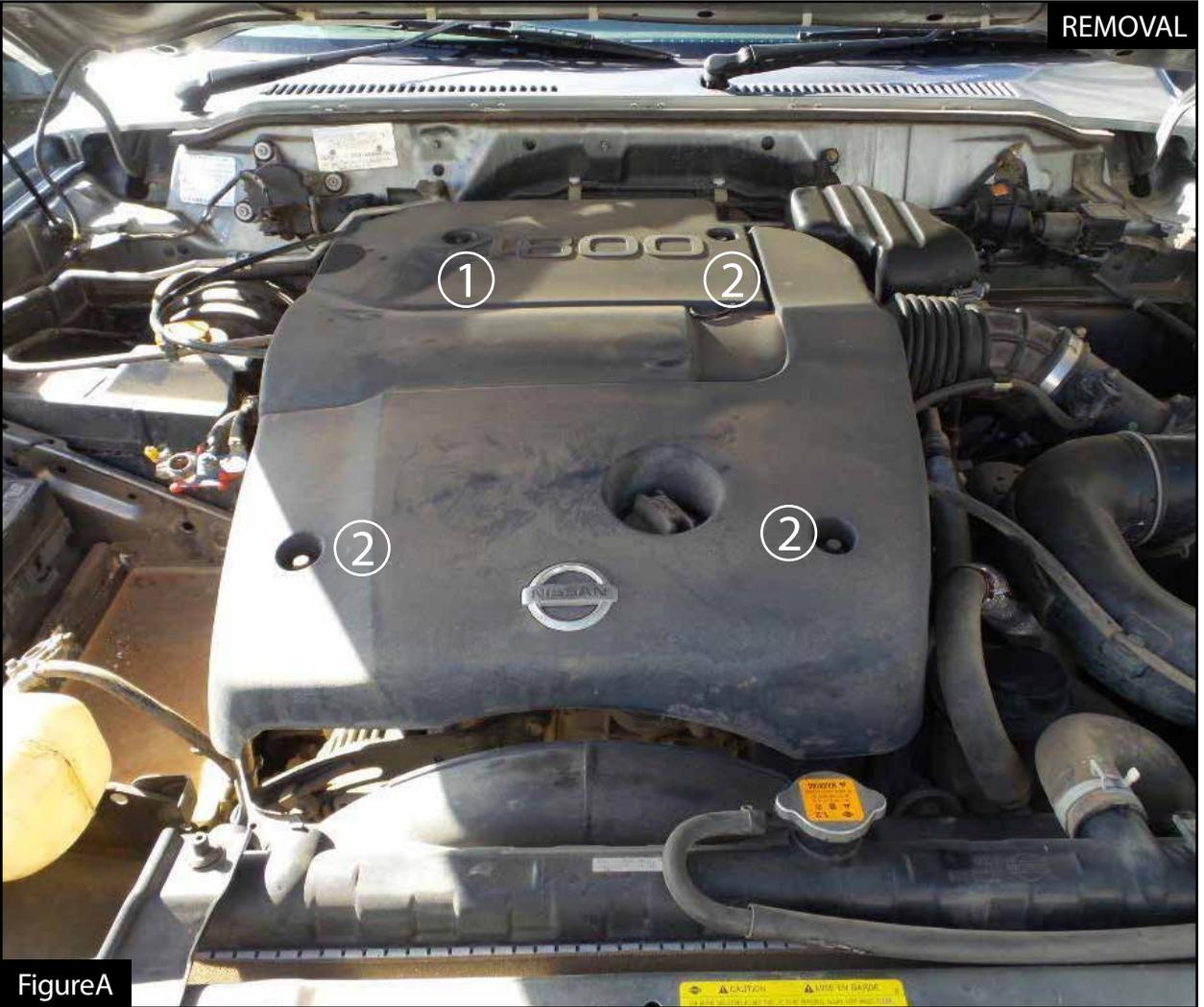


Figure A

Refer to Figure A for Step 1

Step 1: Use a 10mm nut driver to remove the rear nut **1** and three screws **2** holding the engine cover.
Remove the engine cover and set aside.



Figure B

Refer to Figure B for Step 2

Step 2: Remove the vacuum hose (3) from the retainer on the u-shape air duct. Push back on the lock springs (4) and remove the u-shape air duct from the air intake assembly.



Refer to Figure C for Step 3

Step 3: Disconnect the mass air flow sensor and disengage the wire loom from the air intake tube.



FigureD

Refer to Figure D for Step 4

Step 4: Use an 8mm nut driver to loosen the clamp at the mass air flow sensor tube. Remove the two wing nuts and two washers holding down the air cleaner assembly and remove the assembly.

**Figure E**

Refer to Figure E for Step 5

Step 5: Use a 10mm nut driver to remove the screw holding the air intake tube assembly resonator to the firewall. Use an 8mm nut driver to loosen the clamp at the throttle body. Using pliers, remove the vent hose to the air intake tube. Remove the small vacuum hose from the air intake tube assembly resonator. Remove the complete air intake tube assembly.



Refer to Figure F for Step 6

Step 6: Using a 10mm socket and driver, remove the two mounting brackets from the engine bay.



FigureG

Refer to Figure G for Step 7

Step 7: Install the 3 isolation mounts as shown.



Figure H

Refer to Figure H for Steps 8-9

Step 8: Install the filter adapter onto the housing with the 5 hex screws.

Step 9: Install the trim seal onto the housing as shown.



Figure 1

Refer to Figure 1 for Step 10

Step 10: Install the housing onto the 3 isolation mounts and secure with the 3 washers and 3 nylock nuts.



Figure J

Refer to Figure J for Step 11

Step 11: Reinstall the u shaped air duct using the lock springs as shown.



FigureK

Refer to Figure K for Step 12

Step 12: Using a T-20 driver, remove the mass air flow sensor from the air cleaner assembly and install it on the aFe intake tube with the two supplied screws using a T-25 driver. Do not overtighten.

INSTALL



Figure L

Refer to Figure L for Step 13

Step 13: Using pliers, remove the clamp holding the elbow vent fitting from the air intake tube and install it into the supplied silicone coupler.



Figure M

Refer to Figure M for Steps 14-16

Step 14: Install the silicone coupler onto the throttle body with the supplied clamp as shown. Do not tighten the clamp at this time.

Step 15: Install the vent hose onto the elbow vent fitting with the spring clamp.

Step 16: Install the supplied vacuum hose connector into the vacuum hose removed from the resonator earlier. Install the vacuum hose connector to the silicone coupler.



Figure N

Refer to Figure N for Step 17

Step 17: Install the aFe intake tube to the throttle body and the filter adapter using the provided silicone coupler using the hose clamps as shown. Tighten all hose clamps.



Figure O

Refer to Figure O for Step 18

Step 18: Re-connect the mass air flow sensor.



Refer to Figure P for Step 19

Step 19: Reinstall the engine cover. Check all the components are tight and secure. Your installation is now complete.

Note: Check all bolts, clamps and connectors after 100-200 miles.



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