

advanced FLOW engineering

Instruction Manual P/N: 51/54-12452

Make: **MINI** Model: **Cooper S** Year: **2011-2014** Engine: **L4-1.6L (t)**



- 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.
- 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	21-90072 (Included in 51-12452)
A2	1	Pro 5R Air Filter	24-90072 (Included in 54-12452)
B	1	Housing	05-12452B2
C	1	Intake Tube	05-12452B1
D	1	Seal, Trim (4.75 inches)	05-00072
E	1	Seal, Trim (15 inches)	05-00072
F	1	Clamp, 044	03-50019
G	1	Clamp, Fixing	03-50377
H	1	Screw, Hex	03-50057
I	1	Washer, Wavy	03-50058
J	1	Nut, Hex	03-50059

Installation will require the following tools:
 T25 Torx, T27 Torx, 8mm Nut Driver, 10mm Nut Driver

Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.



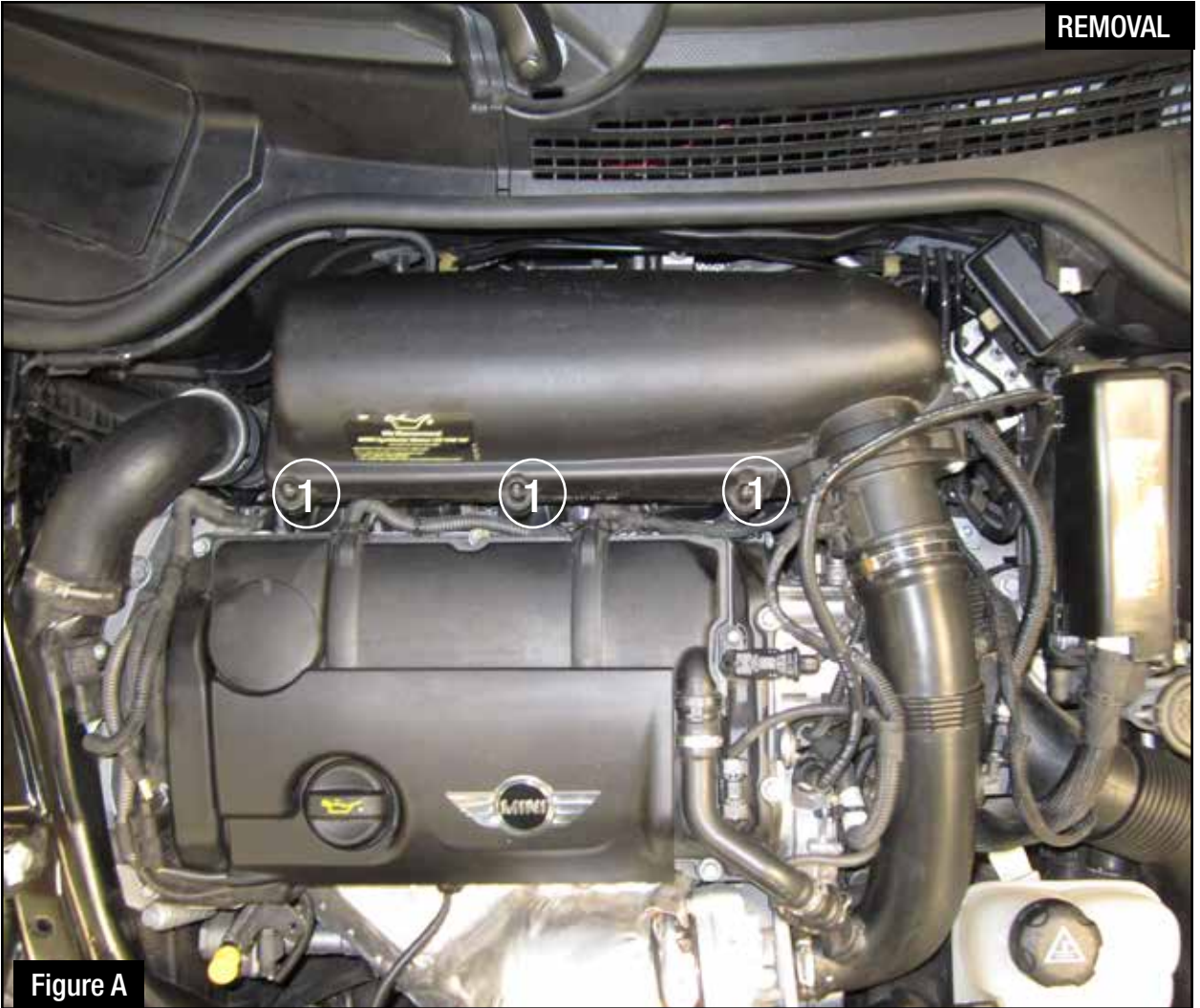


Figure A

Refer to Figure A for step 1

Step 1. Remove the 3 screws that are holding down the top portions on the stock intake housing ① .



Figure B

Refer to Figure B for steps 2-3

Step 2. Remove the MAF sensor screws and place them aside, they will be reused later on this installation ② .

Step 3. Unclip the wire harness from the side of the stock intake housing ③ .



Refer to Figure C for step 4

Step 4. Now remove the top portion of the intake housing and filter as shown.

**Figure D****Refer to Figure D for steps 5-6**

- Step 5. Assemble the new housing by placing the seal trim around the edges of the housing ⑤ .
- Step 6. Assemble the aFe filter onto the housing. (Make sure that the filter goes thru the housing hole and is retained with the filter bump-stops passing through the hole ⑥ .



Figure E

Refer to Figure E for steps 7-8

Step 7. Place the assembly on top of the lower portion of the stock housing. Use the 2 factory MAF sensor screws to mount the new housing. Do not overtighten ⑦.

Step 8. Place aFe intake tube filter side first then side carefully onto the stock MAF sensor ⑧.

**Figure F****Refer to Figure F for steps 9-10**

Step 9. Tighten down the filter and MAF sensor portion of the intake tube using the provided clamps ⑨ .

Step 10. Use the provided line clamp to secure the vacuum line to the upper right mounting hole on the MAF sensor ⑩ .

**Figure G****Refer to Figure G for step 11**

Step 11. Make sure all clamps and screws are tightened. Installation is now complete, recheck clamps and screws after 200 miles.

Service Note:

Removal of the filter for cleaning is done by loosening the tube and removal of the housing.



Pro DRY S Air Filter



P/N: 21-90072

Pro 5R Air Filter



P/N: 24-90072

Pre-Filters



P/N: 28-10213

Pro DRY S Restore Kit



P/N: 90-59999

Blue Aerosol Restore Kit



P/N: 90-50001

Blue Squeeze Restore Kit



P/N: 90-50501

aFe Cat-Back Exhaust



P/N: 49-36318

Warranty

General Terms:

- aFe warrants their products to be free from manufacturer's defects due to workmanship and material.
- This warranty applies only to the original purchaser of the product and is non-transferrable.
- Proof of purchase of the aFe product is required for all warranty claims.
- Warranty is valid provided aFe instructions for installation and/or cleaning were properly followed.
- Proper maintenance with regular inspections of product is required to insure warranty coverage.
- Damage due to improper installation, abuse, unauthorized repair or alteration is not warranted.
- Incidental or consequential damages or cost, including installation and removal of part, incurred due to failure of aFe product is not covered under this warranty.
- All warranty is limited to the repair and/or replacement of the aFe part. To request Return Goods Authorization ("RGA"). Upon receipt of the RGA, you must return the product to the address provided in the RGA, freight prepaid and accompanied with a dated proof of purchase and the RGA. Upon receipt of the defective product and upon verification of proof of purchase, aFe will either repair or replace the defective product within a reasonable time, not to exceed thirty days.

Product Category	P/N Prefix	Warranty duration
Direct OE Replacement Filters	10, 11, 30, 31, 71, 73	Life of the vehicle
Racing Filters	18	1 year
Universal	21, 24, 72	2 years
Air Intake Systems	50, 51, 54, 55, 75	2 years
Exhaust Systems	49	2 years
Intercoolers & Intercooler Tubes	46-2	2 years
Intake Manifolds	46-1	2 years
Differential Cover	46-7	Life of the vehicle
Exhaust Manifolds	46	2 years
Throttle Body Spacers	46-3	2 years
Fluid Filters	44	90 days
Pre-Filters	28	2 years
Heavy Duty OE Replacement	70	2 years
PowerSports OE Replacement	81, 87	2 years
PowerSports Intake Systems	85	2 years

No other warranty expressed or implied applies nor is any person or advanced FLOW engineering authorized to assume any other warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.