

advanced FLOW engineering

Instruction Manual P/N: 51-10572-1 & 54-10572-1

Make: **MINI** Model: **Cooper S** Year: **02-06** Engine: **L4-1.6L (M/T Only)**



- 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	21-90034 (Gray Media)
A2	1	Pro 5R Air Filter	24-90034 (Blue Media)
B	1	Tube	05-10572B1
C	1	Seal Trim - 8.5"	05-00072
D	1	Housing	05-00646
E	1	Cover	05C00646
F	1	Coupling	05-00570
G	2	Clamp - #44	03-50019
H	2	Screw, Button Head	03-50113
I	2	Nut	03-50059
J	2	Washer, Flat	03-50043
K	1	Isolation Mount	03-50022
L	2	Spacer	03-50075
M	1	Mini Clamp	03-50025

***Manual Transmission Only!**

Installation will require the following tools:
5/16 Nut Driver, Screwdriver, 10mm wrench, 4mm hex key

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.



F



G

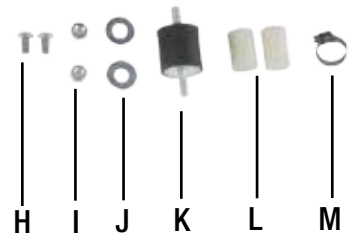



Figure A

Refer to Figure A for steps 1-3

Step 1: Unclip the plastic module from the side of the air box cover. ①

Step 2: Loosen the tube clamps from the throttle body and disconnect the vent hose. ②

Step 3: Remove the air box cover, tube, and filter from the vehicle.

INSTALL



Figure B

Refer to Figure B for steps 4-6

Step 4: Retain the lower fresh air duct to the bottom of the air box.

Step 5: Install the new housing using original OE screws with the provided plastic spacers. ③

Step 6: Install the seal trim on the housing. ④



Figure C

Refer to Figure C for step 7

Step 7: Install the coupler and 2 hose clamps over the throttle body. Do not tighten the clamps yet.



Figure D

Refer to Figure D for steps 8-9

Step 8: Install isolation mount on tube bracket with 10mm nut and flat washer provided.

Step 9: Position isolation mount in the middle of the bracket slot and tighten.



Figure E

Refer to Figure E for step 10

Step 10: Install the new intake tube into the housing and throttle body coupler.



Figure F

Refer to Figure F for step 11

Step 11: Reconnect the vent hose with provided mini clamp removed in step 2.



Figure G

Refer to Figure G for steps 12-13

Step 12: Install the air filter onto the tube.

Step 13: Reattach the plastic module to the side of the housing removed in step 1.



Figure H

Refer to Figure H for steps 14-16

Step 14: Tighten all the clamps.

Step 15: Install new housing cover with the 2 provided screws.

Step 16: Your installation is now complete.

NOTE: Retighten all connections after approximately 100-200 miles



Pro DRY S Air Filter



P/N: 21-90034

Pro 5R Air Filter



P/N: 24-90034

Pro DRY S Restore Kit



P/N: 90-59999

Blue Squeeze Restore Kit



P/N: 90-50501

Blue Aerosol Restore Kit



P/N: 90-50001

aFe G-Shock Watch



P/N: 40-10125

aFe Power Hat



P/N: 40-10083

aFe License Plate



P/N: 40-10135

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.