



advanced FLOW engineering

Instruction Manual P/N: 77-42003

Make: **RAM** Model: **1500 EcoDiesel** Year: **2014-2015** Engine: **V6-3.0L**



- 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 951-493-7100.
- 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
A	1	Module	R77-42003
B	2	Velcro (2 Inches)	05-01244
C	4	Cable Ties	05-60167

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.



B

A

**Figure A****Refer to Figure A for steps 1-4****Sleep Mode**

Before installing your aFe Module you will have to place your vehicles ECU in sleep mode. In order to place your vehicles ECU in sleep mode you will need to do the following:

- Step 1: If the engine is cold, open the hood, close the doors, lock the car and wait 30 seconds.
- Step 2: If the engine is warm, open the hood, close the doors, lock the car and wait 20 minutes.
- Step 3: If the engine is warm and you can't wait 20 minutes, disconnect the battery.
- Step 4: Remove the engine cover (1).



Figure B

Refer to Figure B for step 5

Step 5: Unplug your MAF sensor first, located on OE cartridge right off the filter ②.



Refer to Figures C for steps 6-7

Step 6: Remove the entire intake assembly.

Step 7: Also remove the formed-foam cover. It will help in accessing the MAP and Fuel Pressure Sensor.

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

Step 8: Locate the Fuel Pressure Sensor (FPS) ③ and the Manifold Absolute Pressure (MAP) sensor ④.

Step 9: Disconnect both sensors by first sliding the lock forward then squeezing the clip to remove.



Figure E

Refer to Figure E for steps 10-11

Installation of Scorcher Module

Step 10: Insert the female MAP sensor connector (5) into the MAP sensor until you hear a click.

Step 11: Connect the female OE MAP sensor connector you removed to the male MAP sensor connector (6). The inset picture shows the correct orientation

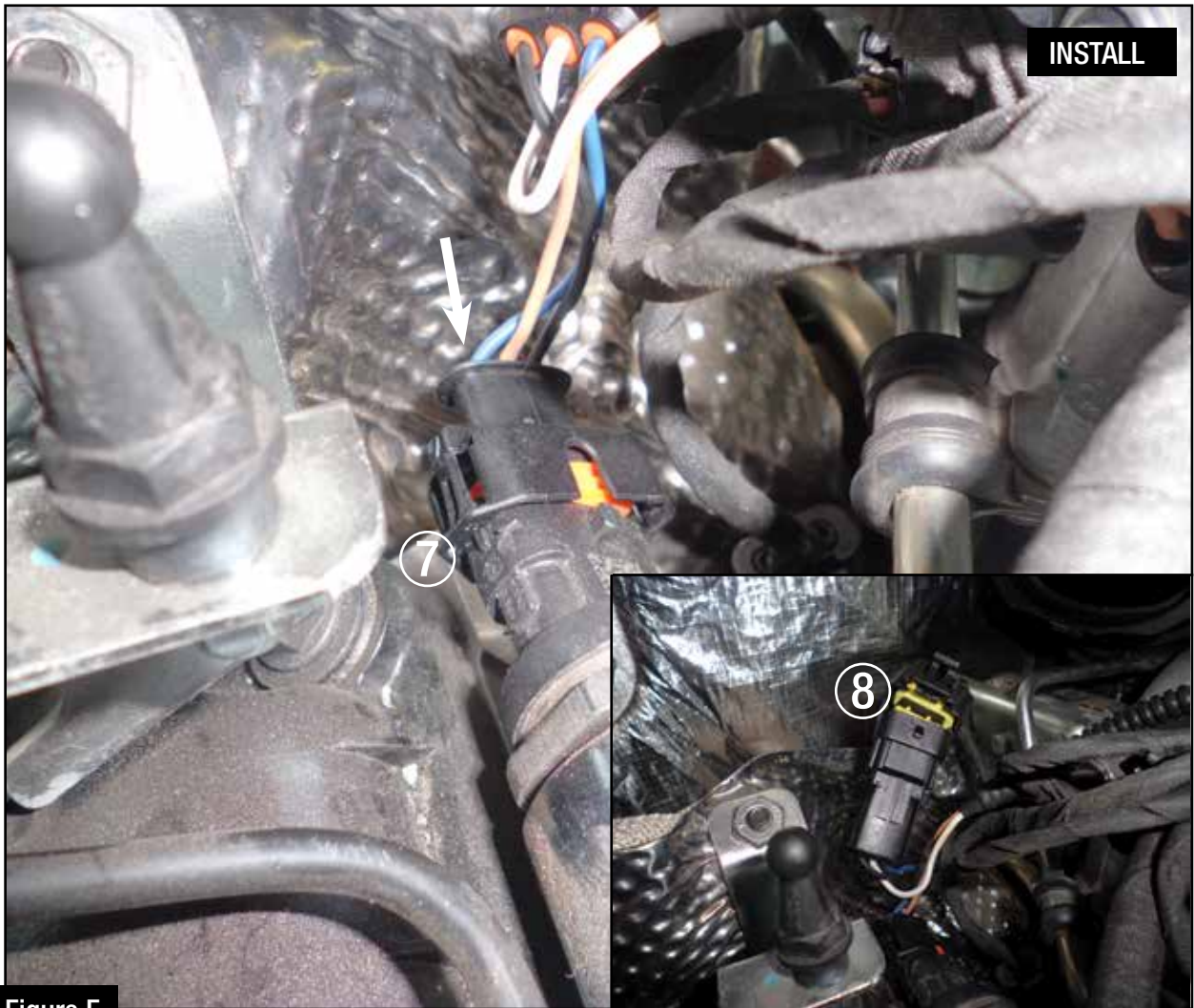


Figure F

Refer to Figure F for steps 12-13

Step 12: Connect the female FPS connector (7) to the FPS.

Step 13: Connect the female OE FPS connector you removed to the male FPS connector (8). The inset picture shows the correct orientation.



Figure G

Refer to Figure G for steps 14-15

Step 14: Using the supplied cable ties, neatly secure the aFe module wiring harness.

A suggested location (9) is in the above photo.

Step 15: Connect the aFe module to the wiring harness (10) at this time.

***If at any point you wish to disconnect the aFe module, simply plug in the provided Jumper Plug.

**Figure H****Refer to Figure H for steps 16-19**

Step 16: Reinstall the air intake assembly.

Step 17: Reconnect the MAF sensor (11).

Step 18: Reinstall the engine cover.

Step 19: With the supplied Velcro, find a flat and clean surface to locate and secure your aFe module.

* One possible location is shown above on the back side of the engine cover.

The blue LED indicates that all processes are complete and functioning properly.



← **STAGE 1
SETTING** **FACTORY
SETTING** **STAGE 2
SETTING** →

Figure 1**Refer to Figure 1 for step 20**

20: The aFe Scorching Module has three adjustable settings via a switch next to the blue LED.

Adjust the module to the desired setting after installation and when needed.

1. Switch in the center position: Factory setting
2. Switch toward blue LED: Stage 1 setting (mid gains)
3. Switch away from blue LED: Stage 2 setting (high gains)

Your installation is now complete!

Be sure to check all connections after 100-200 miles.

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Air Intake System



P/N: 51-72006

Air Filter



P/N: 24-91100

Air Filter



P/N: 21-91100

aFe Watch



P/N: 40-10125

aFe Flashlight



P/N: 40-10131

aFe Hat



P/N: 40-10114

aFe License Plate



P/N: 40-10097

aFe Shirt



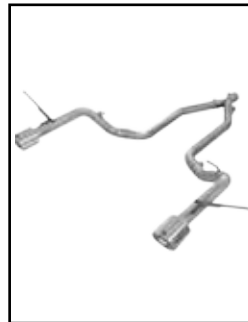
P/N: 40-30372 M
P/N: 40-30373 L
P/N: 40-30374 XL
P/N: 40-30375 2XL

Exhaust System



P/N: 49-46234

Exhaust System



P/N: 49-46235

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video please go to aFepower.com.

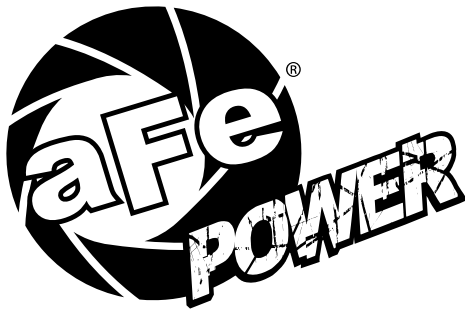
Warranty

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"), email RGA@afepower.com or call (951)493-7100. 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, TF	2 years
Air Intake Systems	50, 51, 54, 55, 75, TR, TA, TL	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
Tuners	77	Contact aFe

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.



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