advanced FLOW engineering

SCORCHER GT Power Module

Instruction Manual P/N: 77-42011

Make: Dodge	Model: Challenger	Year: 2011-2023	Engine: V6-3.6L
Make: Dodge	Model: Charger	Year: 2011-2023	Engine: V6-3.6L
Make: Chrysler	Model: 300	Year: 2011-2023	Engine: V6-3.6L
Make: Dodge	Model: 1500	Year: 2019-2019	Engine: V6-3.6L
Make: RAM	Model: 1500	Year: 2019-2024	Engine: V6-3.6L

- 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
A	1	Module	R77-42011
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
C

REMOVAL

SLEEP MODE

FigureA

Refer to Figure A for Step 1.

Step 1: Before installing your aFe POWER module, you will have to place your vehicles ECU in sleep mode. In order to do this you will need to do the following:

- If the engine is cold, open the hood, close the doors lock the car and wait 30 seconds.
- If the engine is warm, open the hood, close the doors lock the car and wait 20 minutes.
- If the engine is warm and you can't wait 20 minutes, disconnect the battery.

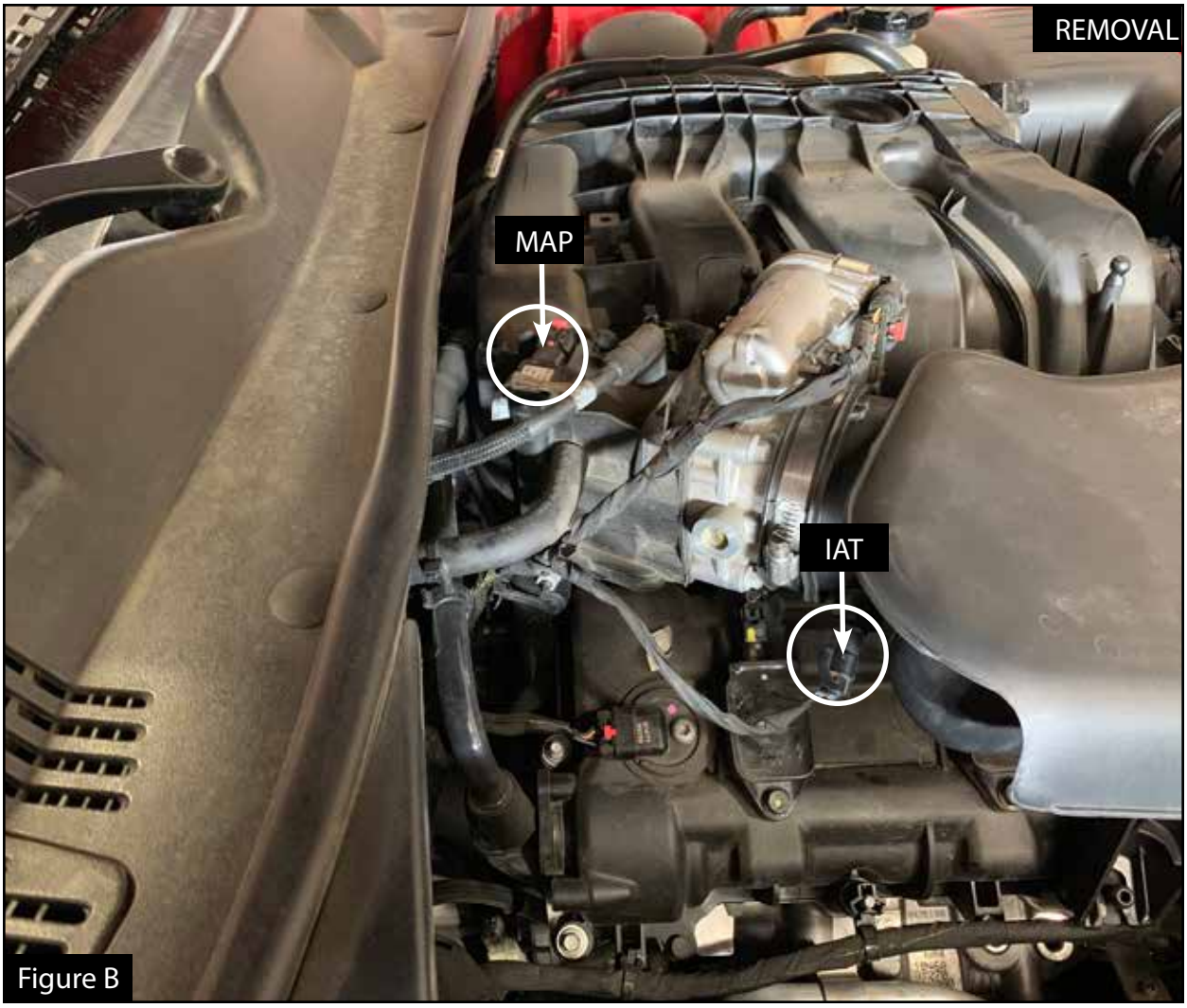

Figure B

Refer to Figure B for Step 2.

Step 2: Remove engine cover to gain access to the sensors then locate the IAT and MAP sensors. The MAP sensor is on top of the intake manifold, the IAT sensor is on the intake tube.

Refer to Figures C for Steps 3-4.

Step 3: Locate then disconnect the IAT sensor connector by pressing down on the locking tab of the connector and sliding it out of the sensor.

Step 4: Locate the IAT sensor jumper harness on the aFe POWER module. This is the longer harness with the small 2 wire connector. Plug the female connector of the module into the factory IAT sensor, then the male connector of the module into female connector of the engine harness.

Refer to Figure D for Step 5.

Step 5: Check with the pictures to make sure the connectors are correctly connected.

Note: Make sure connections are fully engaged and not reversed. Usually, connectors make a snapping sound when fully engaged.

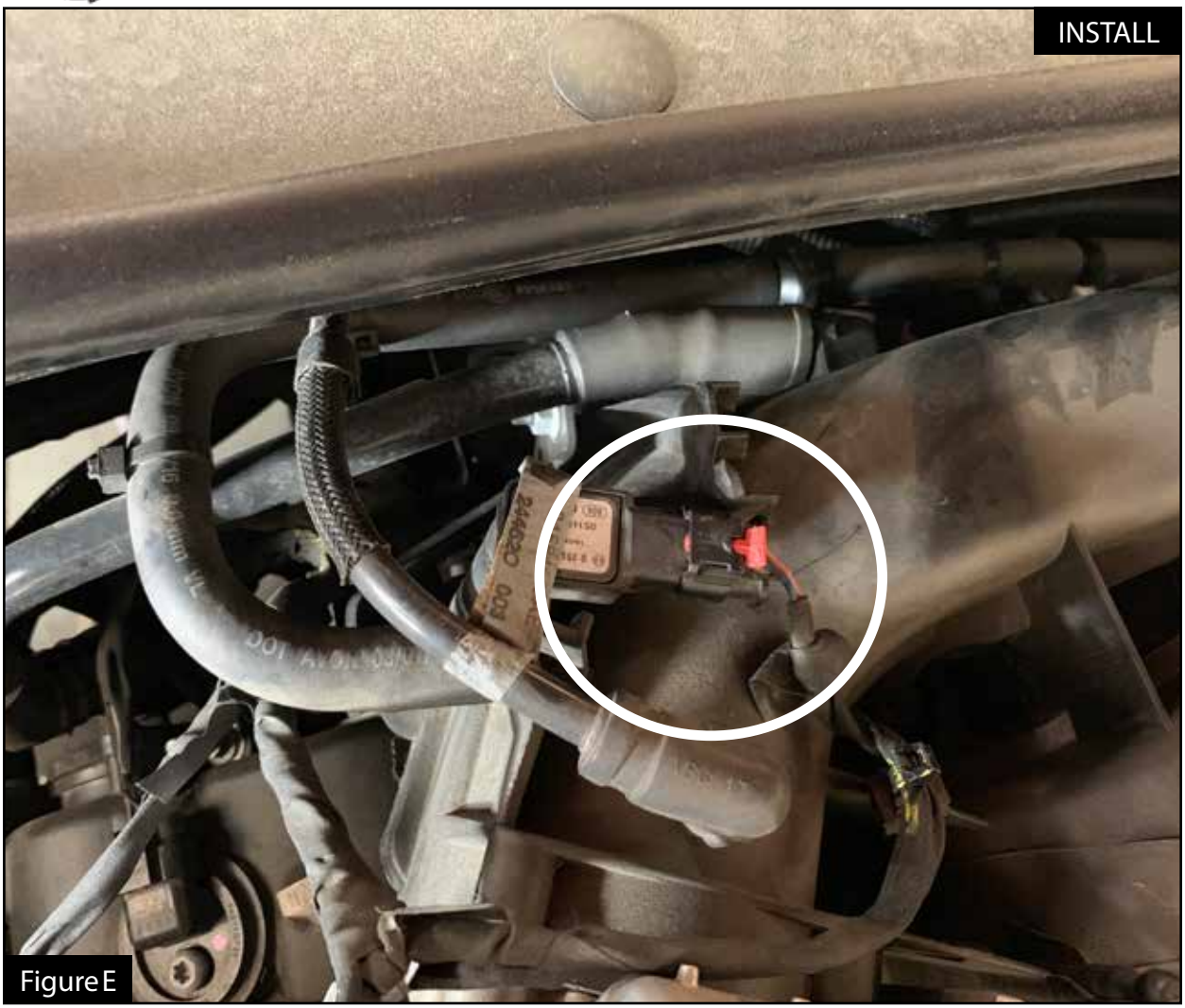

Figure E

Refer to Figure E for Steps 6-7.

Step 6: Locate and disconnect the MAP sensor connector, by sliding back the red locking tab of the connector, and then press down on the tab and slide it out of the sensor.

Step 7: Locate the MAP sensor jumper harness on the aFe POWER module. This is the shorter harness with a 3 wire connector. Plug the female connector of the module into the factory MAP sensor, then the male connector of the module into the female connector of the engine harness.

Figure F

Refer to Figure F for Step 8.

Step 8: Check with the picture to make sure the connectors are correctly connected.

Note: Make sure connections are fully engaged and not reversed. Usually, connectors make a snapping sound when fully engaged.

FigureG

Refer to Figure G for Steps 9-11.

Step 9: Secure the SCORCHER GT module on a flat surface using the provided velcro. Make sure to keep it away from any hot or moving parts.

Step 10: Secure the aFe harness with the provided zip ties, keeping them away from any extreme heat or moving parts.

Step 11: Reinstall the engine cover.

FigureH

Refer to Figure H.

To turn the SCORCHER GT On or Off, simply press the button on the module. The blue LED will illuminate indicating that the module is on. Thank you for choosing aFe POWER!

NOTE: You can turn it ON or OFF while the vehicle is running or while the ECU is still on.

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