advanced FLOW engineering

Instruction Manual P/N: 77-46104

Make: **Nissan** Model: **Sentra SR Turbo/NISMO** Year: **2017-2019** Engine: **L4-1.6L Turbo**
Make: **Nissan** Model: **Juke/NISMO** Year: **2011-2018** Engine: **L4-1.6L Turbo**

- **Please read the entire instruction manual before proceeding.**
- **Ensure all components listed are present.**
- **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	R77-46104
B	1	LED Switch	05-70029
C	2	Hook and loop fastener (2" Inches)	05-01244
D	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.


D
B
aFe
POWER
SCORCHER GT
C
A

REMOVAL

SLEEP MODE

Figure A

Refer to Figure A for Step 1.

Step 1: Before installing your aFe 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.

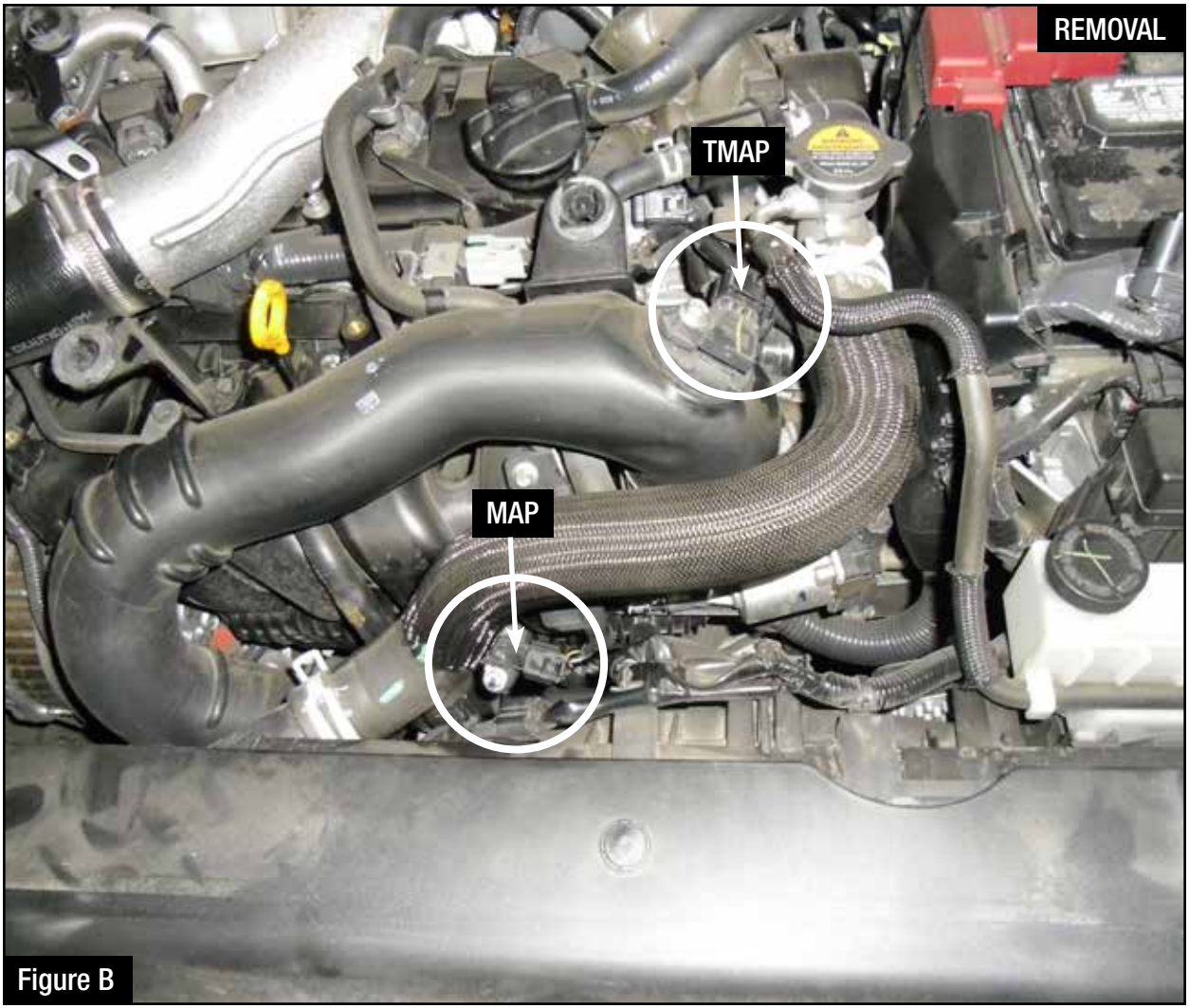

Figure B

Refer to Figure B for Steps 2-3.

Step 2: Remove engine cover to gain access to the TMAP sensor.

Step 3: Locate the MAP and TMAP sensor. The MAP sensor is located on the front of the intake manifold. The TMAP sensor is located on the charge intake tube near the radiator cap.

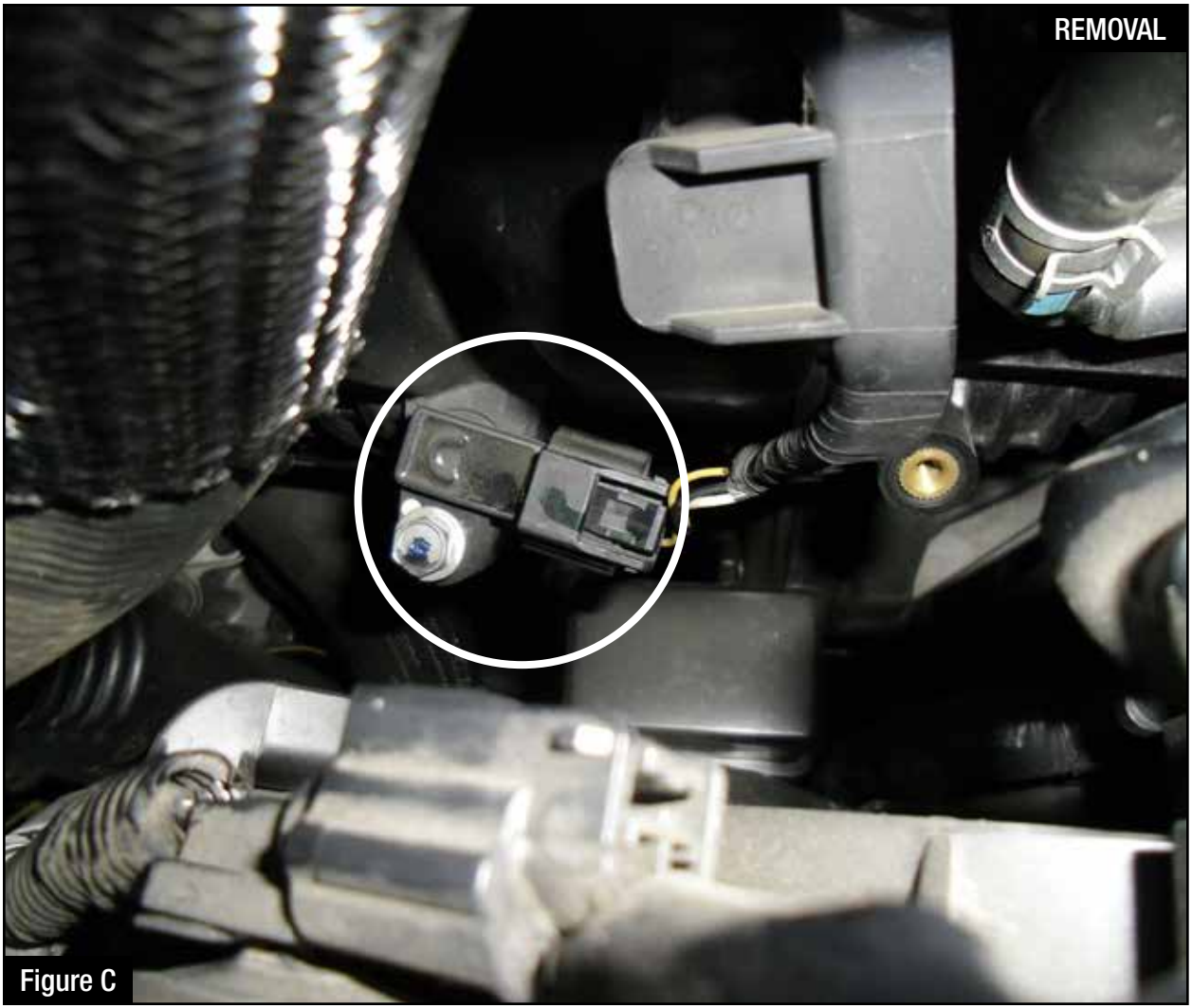

Figure C

Refer to Figures C for Steps 4-5.

Step 4: Locate and disconnect the MAP sensor connector, by pressing down firmly on the locking tab and sliding the connector out of the sensor.

Step 5: Locate the MAP sensor jumper harness on the aFe module. This is the harness with 3 wires on the connectors. Plug the female connector of the module into the MAP sensor, then take the male connector of the module and connect it to the female connector of the engine harness.

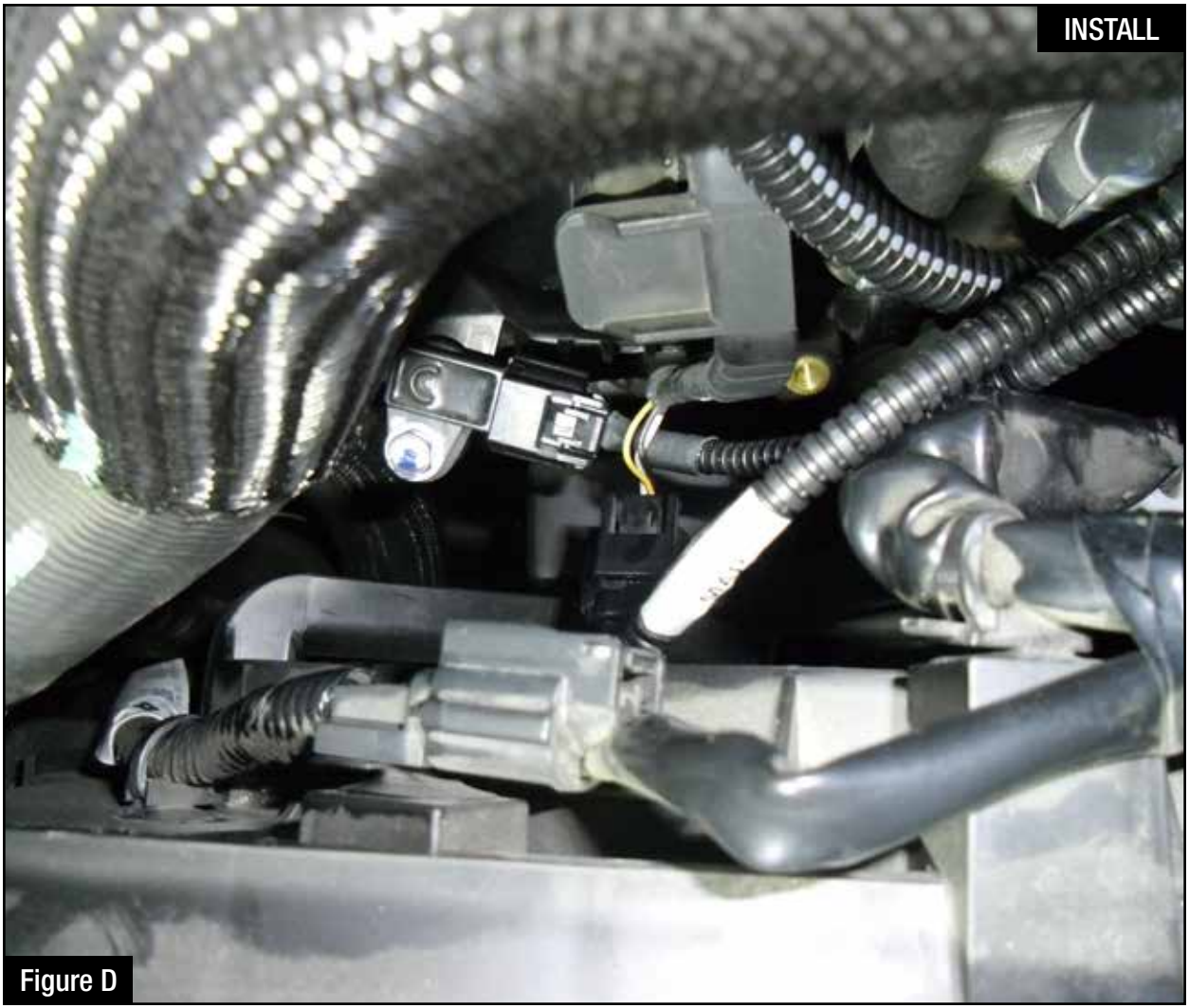

Figure D

Refer to Figure D for Step 6.

Step 6: Check with the picture to make sure the connectors are correctly connected.

Note: Make sure connections are fully engaged. Usually, connectors make a snapping sound when fully engaged.

Figure E

Refer to Figure E for Steps 7-8.

Step 7: Disconnect the TMAP sensor, by pressing down firmly on the locking tab and sliding the connector out of the sensor.

Step 8: Locate the TMAP sensor jumper harness on the aFe module. This is the longer harness. Plug the male connector of the module into the stock TMAP sensor, then the female connector of the module into the male connector of the engine harness.

Figure F

Refer to Figure F for Step 9.

Step 9: Check with the picture to make sure the connectors are correctly connected.

Note: Make sure connections are fully engaged. Usually, connectors make a snapping sound when fully engaged.

Figure G

Refer to Figure G for Steps 10-11.

Step 10: Carefully route the switch cable behind steering wheel cover. Route the cable on the back of the switch to exit toward the top or bottom.

Step 11: Mount the Switch on an open, flat surface.

Figure H

Refer to Figure G for Step 12.

Step 12: Route the switch cable through firewall and into the engine bay. Follow the main harness through the grommet into the firewall. Plug the end of the cable to the module.

Figure I

Refer to Figure I for Steps 13-14.

Step 13: Mount the module in a safe location, such as on the frame, using the supplied Hook and loop fastener strip. Then, secure the wires and module away from any extreme heat and moving parts, with the provided ties.

Step 14: Reinstall the engine cover.

Note: Make sure connections are fully engaged. Usually, connectors make a snapping sound when fully engaged.

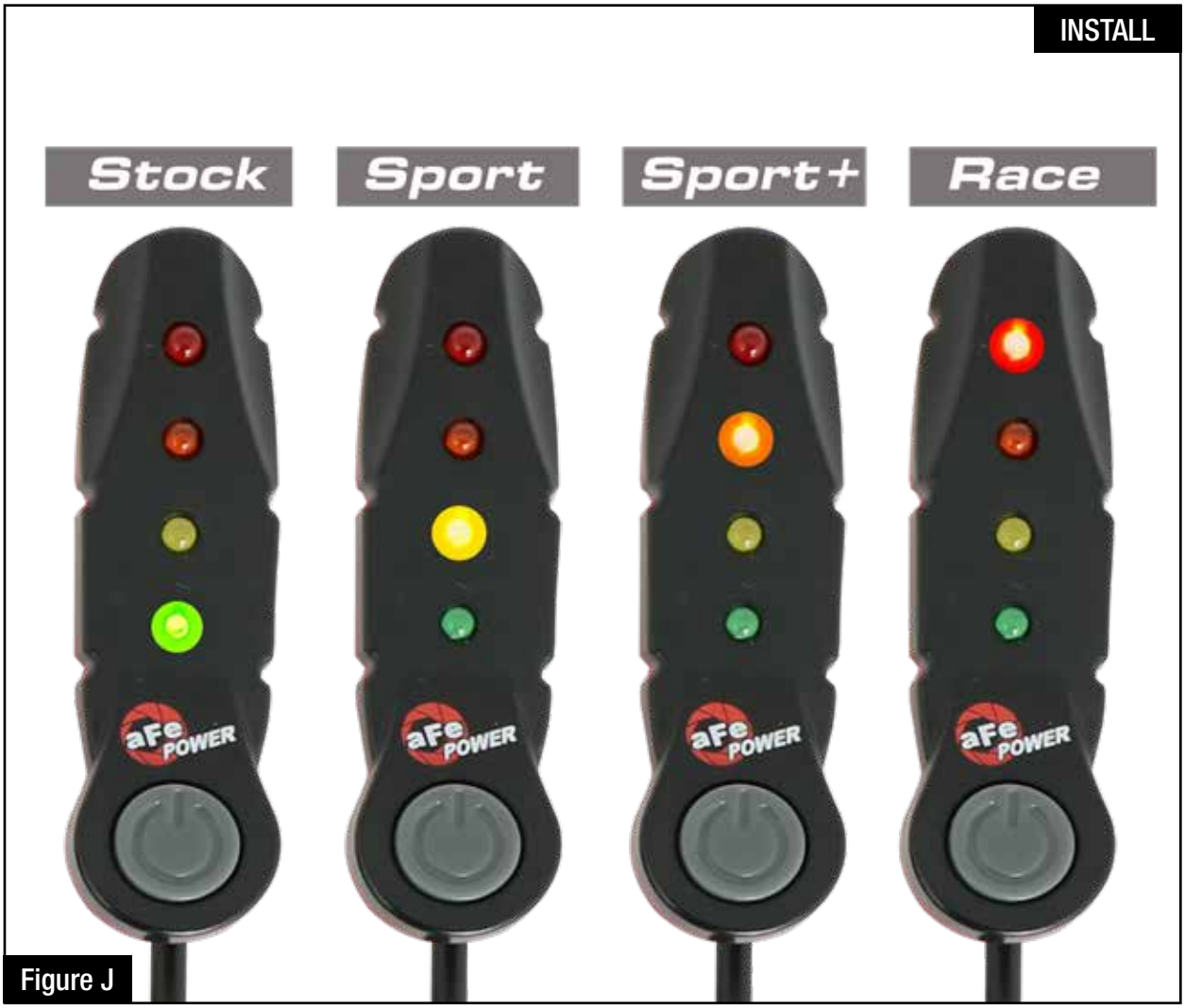

Figure J

Refer to Figure J for Step 15.

Step 15: When turning on the vehicle, each LED will flash and it will stop at its last setting.

The LED on the switch represents the different level of power.

- Green LED: Stock
- Yellow LED: Sport
- Orange LED: Sport+
- Red LED: Race

Use the grey button to select the desired setting. Power adjustments can be done at any moment.

Thank you for choosing aFe POWER!