



advanced FLOW engineering

Instruction Manual P/N: 77-43022

Make: **Ford** Model: **Focus ST** Year: **2015-2018** Engine: **L4-2.0L (t) EcoBoost**



- 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	R77-43022
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.




Figure A

Refer to Figure A for Steps 1-3.

NOTE 1: 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 .

NOTE 2: Locating you MAP and CACT sensor:

The MAP sensor is located on the elbow connecting to the OE air box. The CACT sensor is located on the intercooler inlet side under the passenger side headlight.

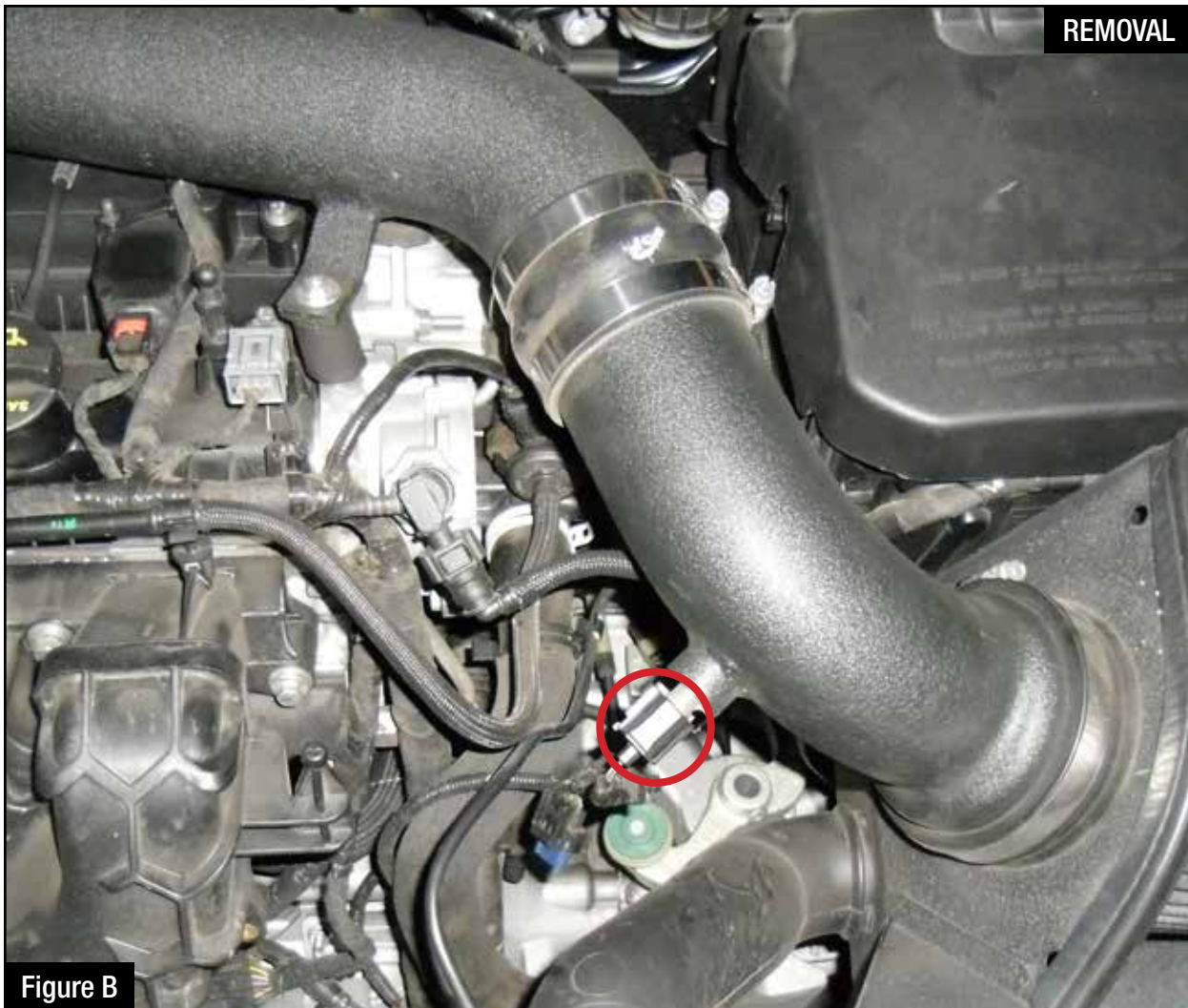


Figure B

Refer to Figure B for Steps 4-5.

Step 4: Remove the engine cover.

Step 5: Unplug your MAP sensor first located on the elbow connecting to the OE air box.

**Figure C****Refer to Figures C for Steps 6-7.**

Step 6: Locate your MAP jumper harness on your aFe module. It is the 2 wire harness with grey and black colored wires.

Step 7: Plug the large connector on to the stock engine harness and the small connector to the MAP sensor.

**Figure D****Refer to Figure D for Steps 8-10.**

Step 8: Unplug your CACT sensor second located on the intercooler inlet side under the passenger headlight.

Step 9: Locate your CACT jumper harness on your aFe module it is the 4 wire harness with a violet and green colored wires.

Step 10: Plug the large connector on to the stock engine harness and the small connector to the CACT sensor.

**Figure E****Refer to Figure E for Steps 11-12.****Securing the Module**

Step 11: With the supplied Velcro find a flat clean surface to locate and secure your aFe module. Neatly zip tie your aFe module harness on to your stock harness.

Step 12: Re-install the engine cover. The blue LED light indicates that all processes are complete and ready to go. Your installation is now complete! Thank you for choosing aFe POWER!

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Cold Air Intake System



P/N: TR-5306B-D (PDS)
TR-5306B-R (P5R)

Intake System Cover



P/N: TC-5305B

Cat-Back Exhaust System



P/N: 49-33083-B (Blk Tips)
49-33083-P (Pol Tips)

Intercooler Tubes



P/N: 46-20184-B (Blk)
46-20184-R (Red)

Cold Side Intercooler Tube



P/N: 46-20189-B (Blk)
46-20189-R (Red)

Hot Side Intercooler Tube



P/N: 46-20188-B (Blk)
46-20188-R (Red)

aFe License Plate



P/N: 40-10097

Takeda License Plate



P/N: TF-7014F

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.



advanced FLOW engineering, inc.

252 Granite Street Corona, CA 92879

TEL: 951.493.7100 TECH: 951.493.7134

E-Mail: Tech@aFepower.com