



advanced FLOW engineering

**Instruction Manual** P/N: TR-5307B-R / TR-5307B-D



Make: **Ford** Model: **Focus RS** Year: **2016-2018** Engine: **L4-2.3L (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	Pro DRY S Air Filter	21-91090 (Gray Media)
A2	1	Pro Pro 5R Air Filter	24-91090 (Blue Media)
B	3	Clamp (2-9/16"-3-1/2")	03-50007
C	1	Clamp (2-5/16"-3-1/4")	03-50019
D	1	Isolation Mount	03-50022
E	1	Nut, Hex: M6x1	03-50059
F	1	Isolation Mount	03-50063
G	1	Washer, Flat: 24mm	03-50065
H	1	Washer, Flat: M6	03-50070
I	1	Nut, Hex: M8	03-50087
J	1	Seal, Trim (20")	05-00072
K	1	Coupling, Elbow	05-01259
L	1	Coupling, Reducer	05-01333
M	1	Tube #1 of 2	05-T5307B1
N	1	Tube #2 of 2	05-T5307B2
O	1	Housing	05-T5305B3

Installation will require the following tools:

10mm socket, pliers, ratchet, extension 8mm nut driver, 1/2" socket.

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 1-2**

Step 1: Disconnect the MAP sensor harness (1) from the sensor.

Step 2: Remove engine cover (2) by pulling upwards on it.

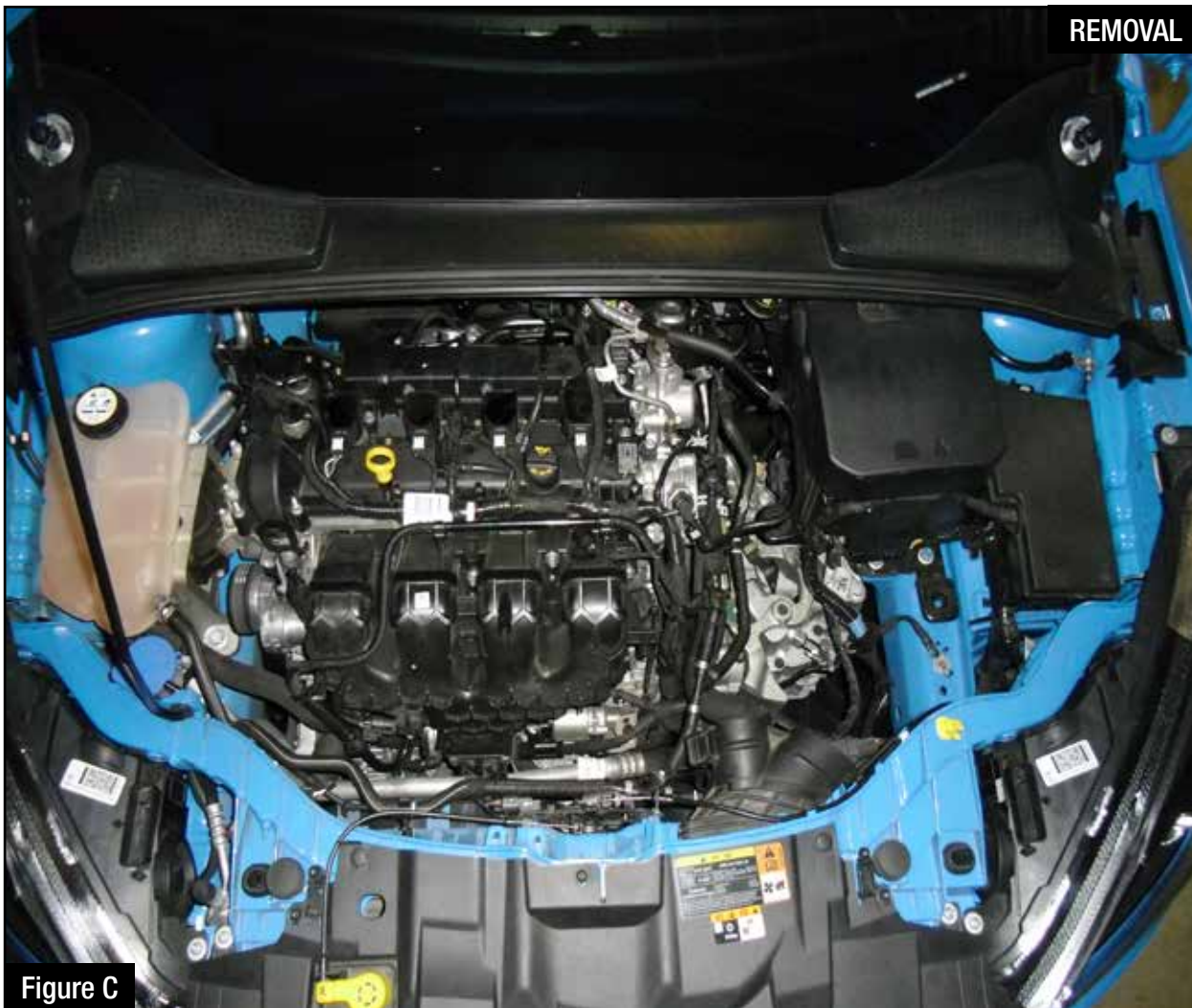


Figure B

**Refer to Figure B for Steps 3-6**

- Step 3: Pull the rubber tab off the intake air inlet duct (3), leaving the inlet ducts free moving.
- Step 4: Remove the bolts (4) and stud (5) connecting the intake air tube to the valve cover.
- Step 5: Loosen the clamps on OE elbow coupling connecting the air box to intake tube.
- Step 6: Loosen the clamps on coupling connecting the turbo to the intake tube.




**Figure C**

**Refer to Figure C for Steps 7-10**

Step 7: Remove the elbow coupling.

Step 8: With an upward motion pull the OE air box out of the engine bay.

Step 9 Disconnect the crank case breather hose behind the intake tube and remove tube out the engine bay.

Step 10: Remove the second part of the OE intake tube connecting to the turbo.



Figure D

**Refer to Figure D for Step 11**

Step 11: Remove the bolt (7) to the ground wires and replace with the M8 isolation mount.

**Figure E****Refer to Figure E for Steps 12-14**

Step 12: Remove the OE air inlet duct (8) off the OE housing and install on the Takeda housing.

Step 13: Remove the OE mounting fitting (9) off the OE housing and install on the Takeda housing.

Step 14: Install aFe filter onto the aFe airbox housing along with trim seal. Make sure housing is secure in filter retention groove.



**Figure F****Refer to Figure F for Steps 15-18**

Step 15: Install Takeda housing onto the OE chassis grommet and isolation mount, secure housing with M8 nut to the isolation mount.

Step 16: Secure the air inlet duct with the rubber tab.

Step 17: Install reducer coupling onto the turbo inlet with clamps. Do not tighten clamps at this time.

Step 18: Install M6 isolation mount onto throttle body housing.


**Figure G**

**Refer to Figure G for Steps 19-23**

Step 19: Remove MAP sensor off OE airbox and install onto Takeada intake tube.

Step 20: Install the longer Takeda intake tube onto the reducer coupling and isolation mount, secure tube with the provided hardware.

Step 21: Pre-install the silicone hump coupler with clamps onto the short Takeda intake tube.

Step 22: Slide the short tube onto the Takeda air filter then rotate the tube to align with the other Takeda tube. Connect them with hump coupling and clamps.

Step 23: Re-connect the MAP sensor harness to the sensor.

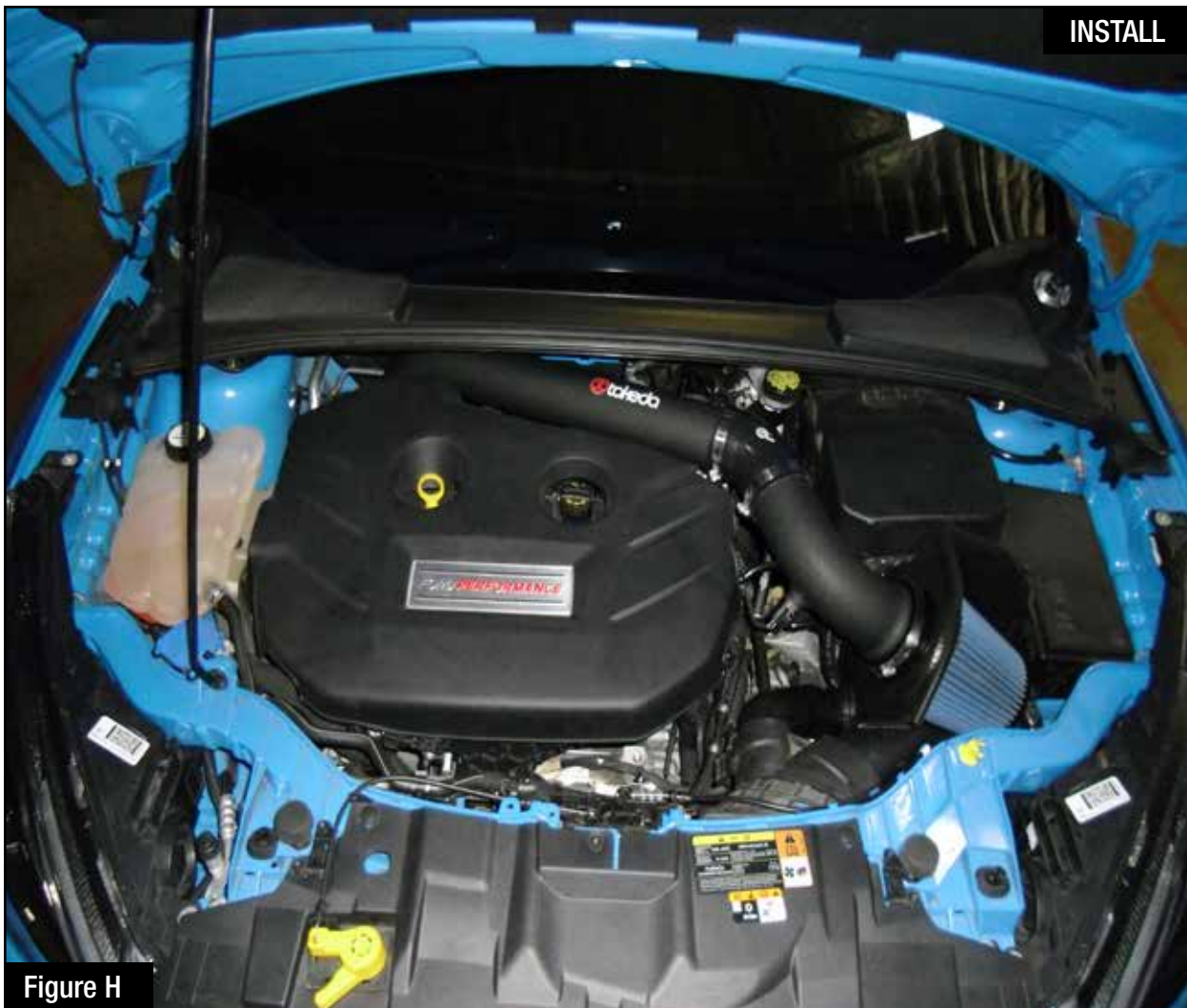


Figure H

**Refer to Figure H for Steps 24-26**

Step 24: Tighten all clamps, nuts and bolts.

Step 25: Re-install the stud with the ball end back onto the valve cover.

Step 26: Install the engine cover back on and your installation is complete.

Thank you for choosing aFe Power. Enjoy!



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Pro DRY S Air Filter



P/N: 21-91090

Pro 5R Air Filter



P/N: 24-91090

Pro DRY S Restore Kit



P/N: TP-7015C

Blue Squeeze Restore Kit



P/N: 90-50501

Intake Cover



P/N: TC-5305B

SCORCHER GT Module



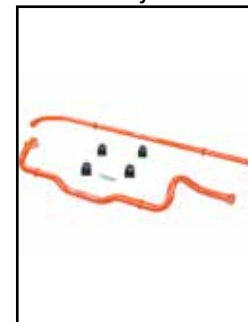
P/N: 77-43024

aFe Control Lowering Springs



P/N: 410-302001-N

aFe Control Sway Bars



P/N: 440-302001-N

Takeda T-Shirt



P/N: 40-30332 (M)  
40-30333 (L)  
40-30334 (XL)

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video; please go to [aFepower.com](http://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](mailto: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.

<b>Product Category</b>	<b>P/N Prefix</b>	<b>Warranty duration</b>
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

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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