

advanced FLOW engineering Takeda Momentum Cold Air Intake System

Instruction Manual P/N: 56-70015D / 56-70015R

Make: Toyota

Model: Supra (A90)

Year: 2020

Engine: L6-3.0L (t) B58



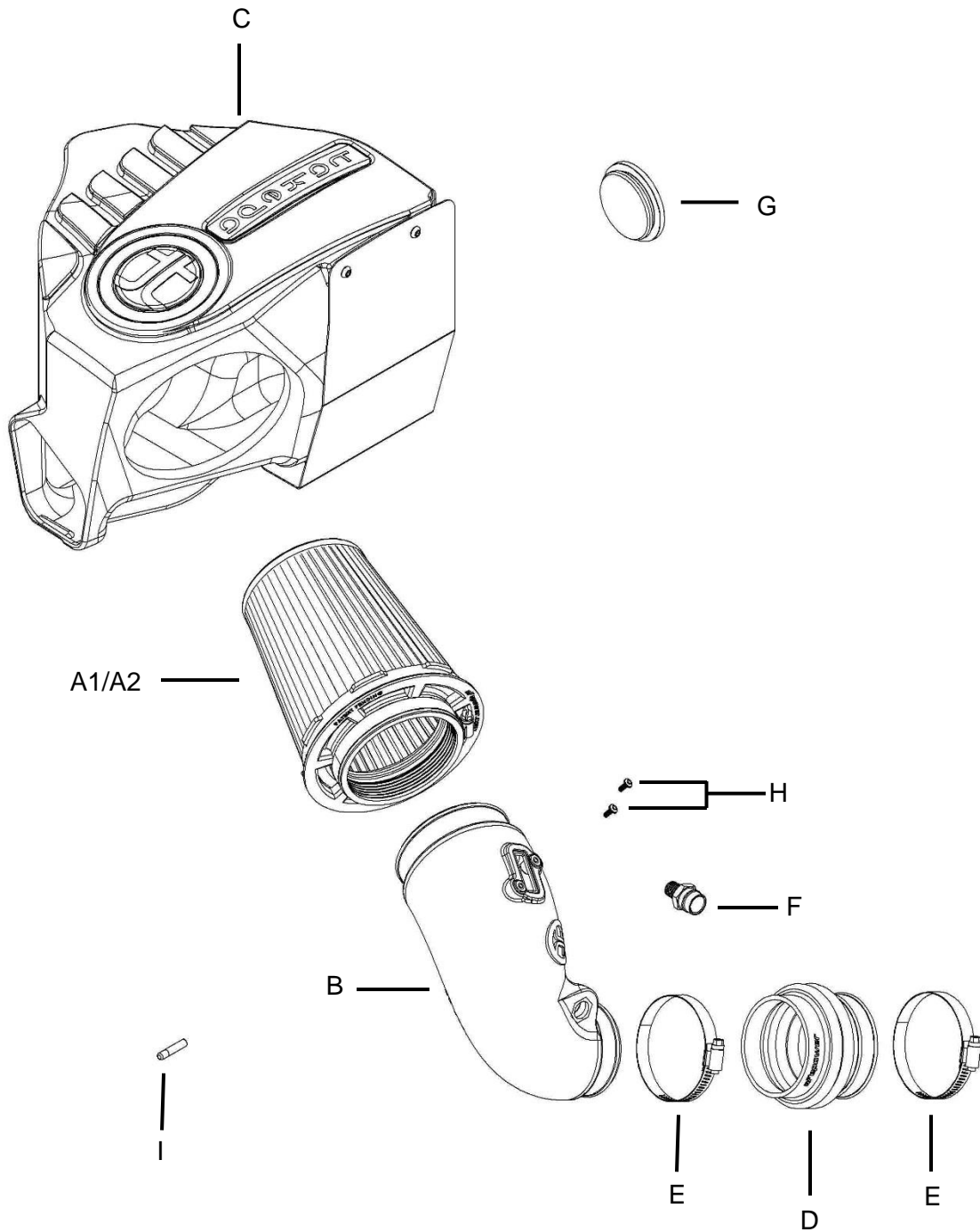
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call at 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro DRY S)	21-91113
A2	1	Air Filter (Pro 5R)	24-91113
B	1	Tube	05-5670015B1
C	1	Housing	05-5670015B2
D	1	Coupling, Silicone Bellow: 3.1"ID x 3"L	05-01525
E	2	Clamp, #048	03-50007
F	1	Fitting, Aluminum	03-50644
G	1	Auxiliary Plug	05-01482
H	2	Screw, M4	03-50490
I	1	Threadlocker	03-50162

Installation will require the following tools:

6mm and 8mm nut drivers or sockets, socket wrench, flat-head screwdriver, T20 torx bit, and panel popper.

Emissions Disclaimer: This product is not currently CARB exempt and is not available for purchase in California or for use on any vehicle registered with the California Department of Motor Vehicles.



**Figure A****Refer to Figure A for Steps 1-4**

Step 1: If the vehicle is equipped with a brace above the factory intake, remove the brace.

Step 2: Disconnect the temp sensor harness ①.

Step 3: Using a 6mm nut driver, loosen the hose clamp at the factory airbox ②. Then, slide the factory intake tube away from the factory airbox.

Step 4: To remove the factory airbox, carefully pull up on the factory airbox.

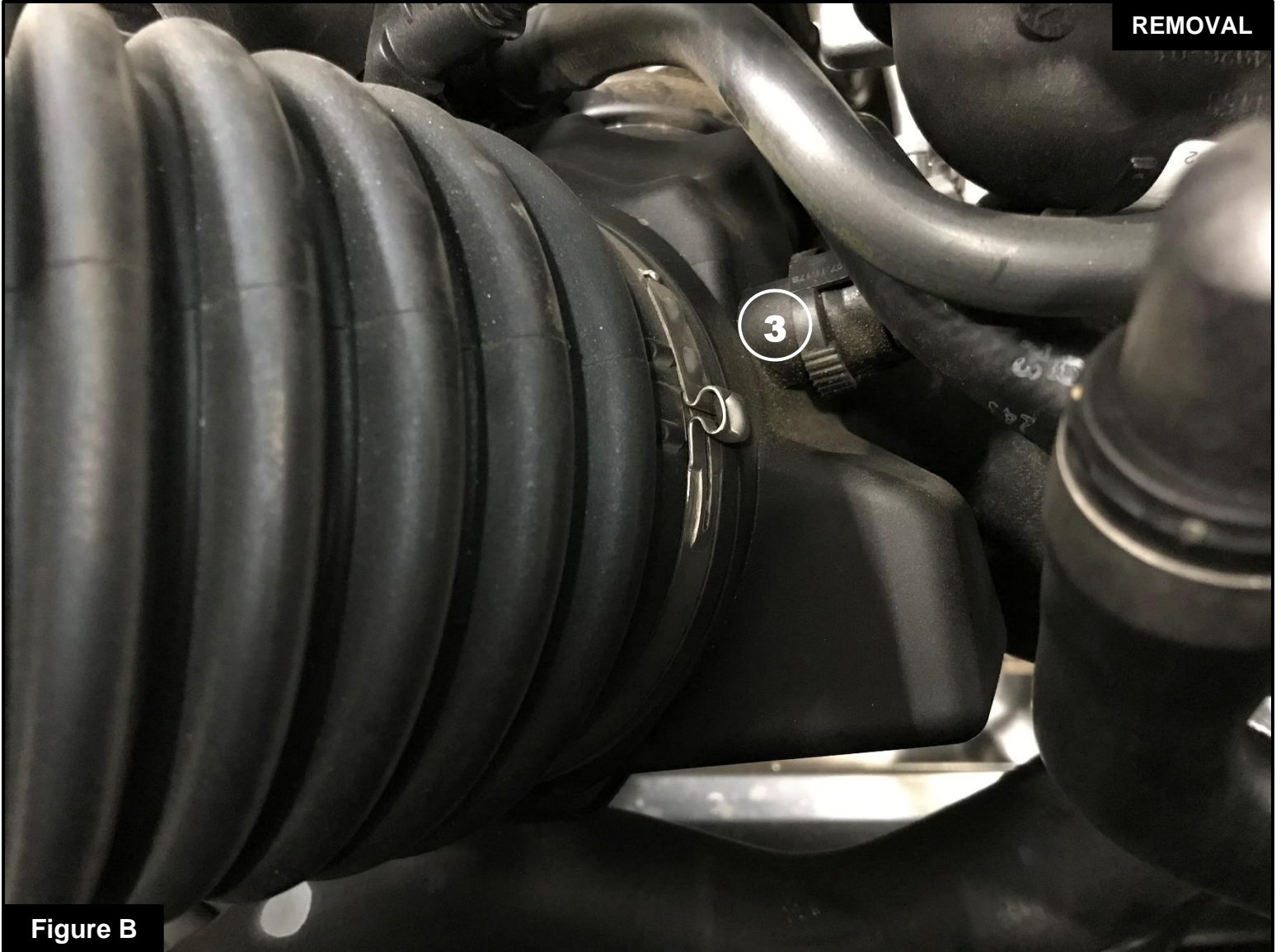
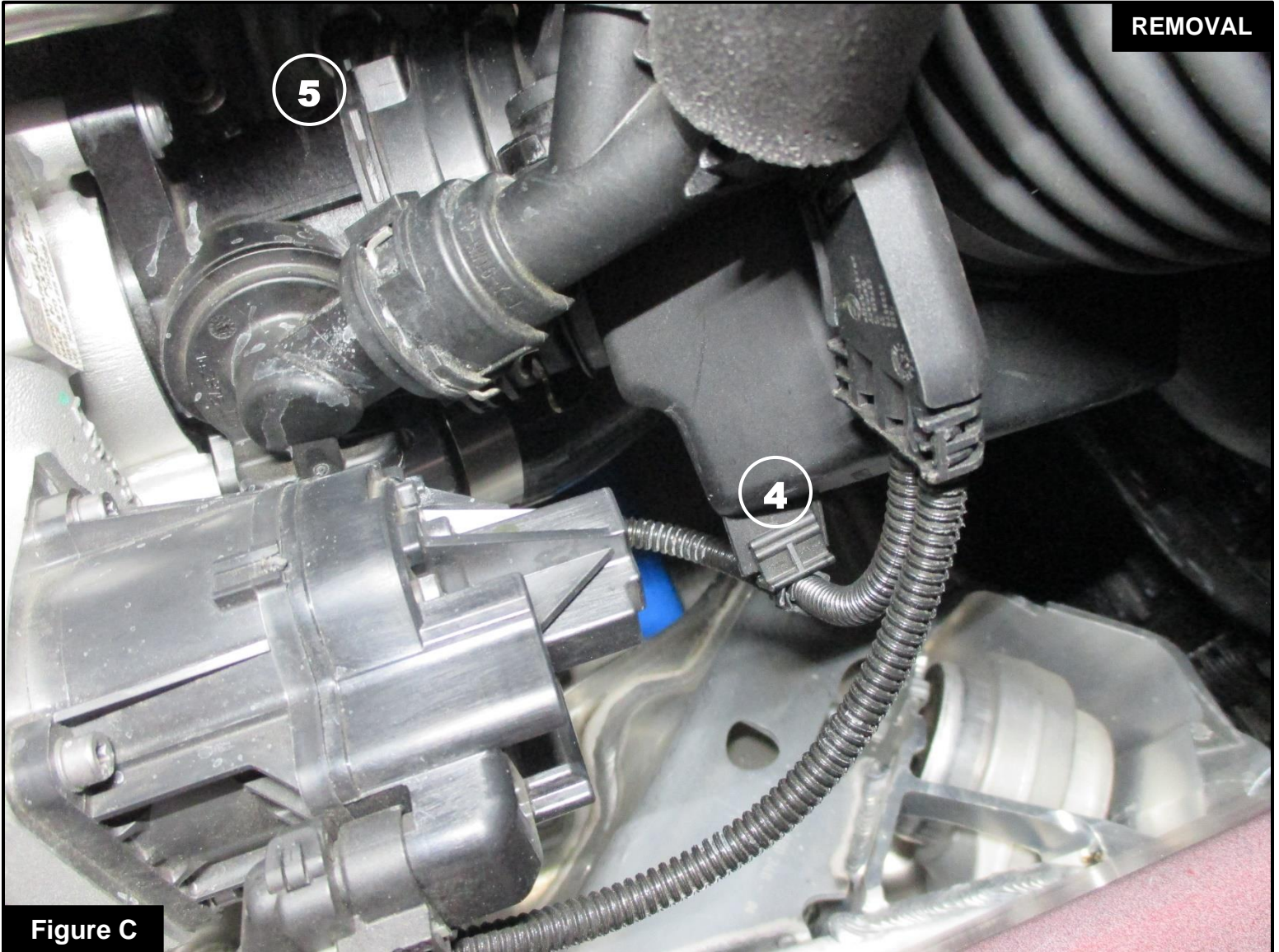


Figure B

Refer to Figure B for Step 5

Step 5: Disconnect the crankcase breather line ③.

**Figure C****Refer to Figure B for Steps 6-7**

Step 6: Next, detach the harness from the factory intake tube (4).

Step 7: Finally, carefully remove the retention ring holding the factory intake tube to the turbo inlet (5) and pull the factory intake tube out of the vehicle.

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

Step 8: Transfer the temp sensor from the factory airbox to the Takeda intake tube (6) and attach with the supplied screws.

Step 9: Install the supplied NPT fitting into the Takeda intake tube (7). Apply some of the provided threadlocker, to guarantee a perfect seal.

NOTE: This is an NPT fitting. The small gap between the tube and hex is normal.



Figure E

Refer to Figure E for Step 10

Step 10: Install the supplied air filter into the Takeda housing (8).

**Figure F****Refer to Figure F for Step 11**

Step 11: This kit includes an optional plug to close off the rear auxiliary air inlet. Install the plug if you wish to close it off, to only capture cold air from the front ⑨.

NOTE: Without the plug installed, the Takeda intake will capture the maximum air available. More airflow offers more power. Some of this air is picked up from inside the engine compartment and could be warmer air. Warmer air will affect the performance of the vehicle. The plug installed on the housing will block off any hot engine air entering the housing to make sure the coolest air available is directed into the engine. The plug will also reduce the noise of the intake.

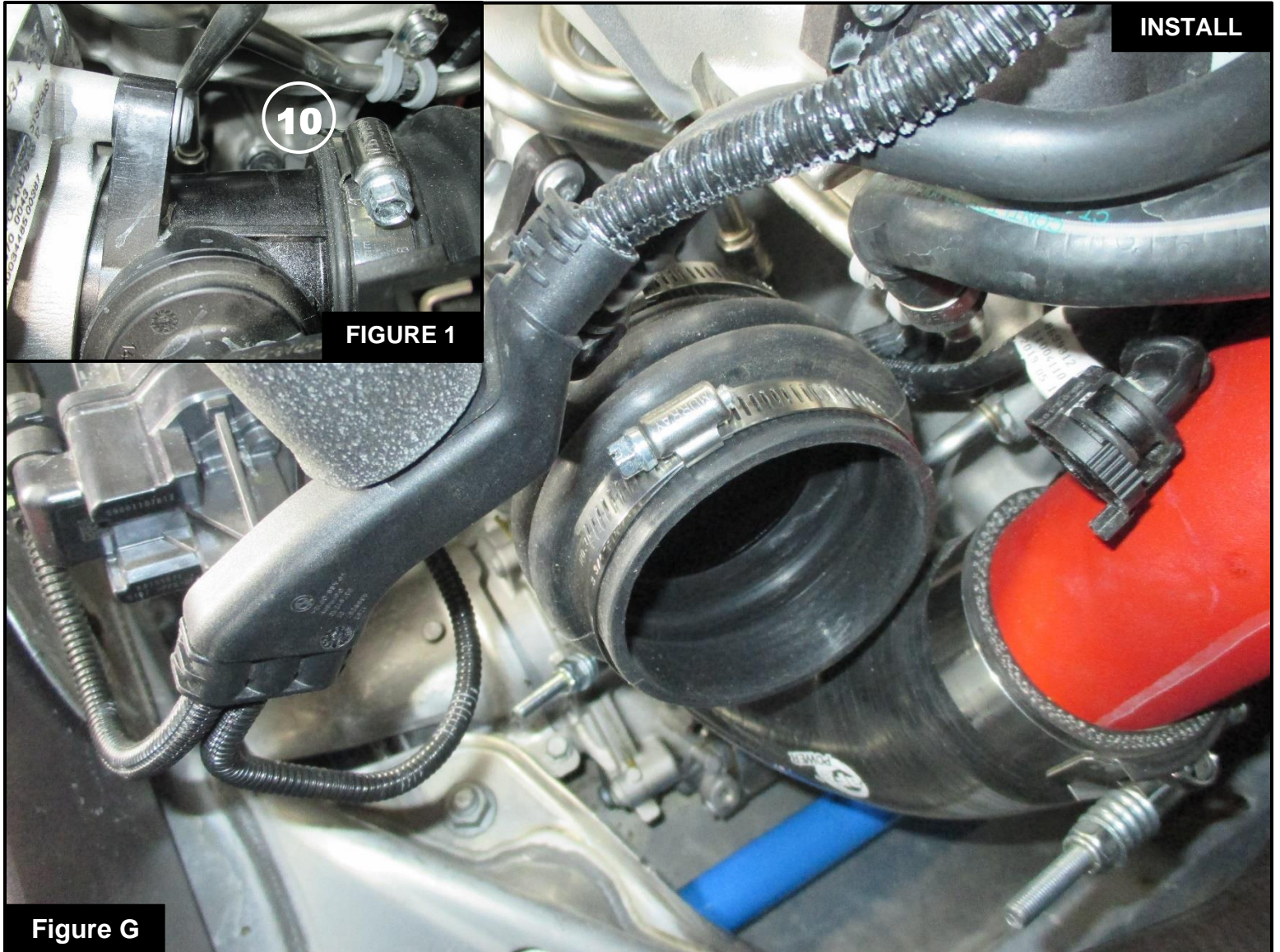


Figure G

Refer to Figure G for Steps 12-14

- Step 12: Install the supplied coupling onto the turbo inlet and place the supplied clamps onto the coupling.
- Step 13: Make sure to have the end of the coupling sit flush to the rim of the turbo inlet. This is to make sure the interior lip of the coupling sits correctly in the groove of the turbo inlet. See Figure 1(10).
- Step 14: When the coupling sits comfortably on the turbo inlet, tighten the clamp between the coupling and the turbo inlet.

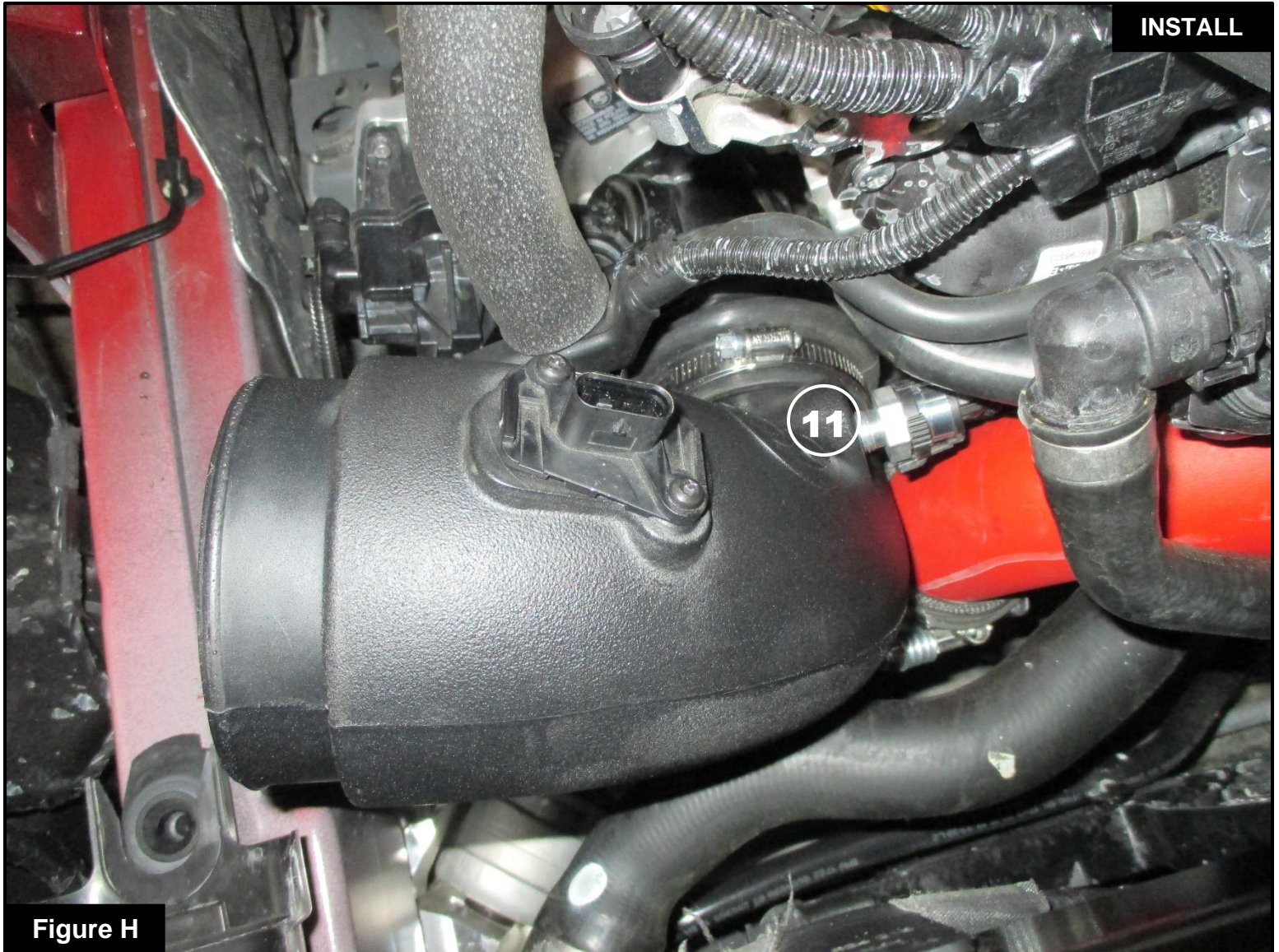


Figure H

Refer to Figure H for Steps 15-17

Step 15: Install the Takeda intake tube into the coupling. Do not tighten the clamp at this time.

Step 16: Connect the crankcase breather line to the Takeda intake tube (11).

Step 17: Make sure the Takeda intake tube and crackcase line sit comfortably, then tighten the clamp between the Takeda intake tube and the coupling.

**Figure I****Refer to Figure I for Steps 18-22**

Step 18: Install the assembled Takeda housing and air filter into the engine bay by pressing down firmly into the three (3) factory mounting grommets.

Step 19: Slip the Takeda tube into the air filter and tighten the clamp between the Takeda tube and air filter.

Step 20: Connect the temp sensor to the sensor harness (12).

Step 21: If the vehicle is equipped with a brace, re-install the brace from **Step 1**.

Step 22: Make sure all components and connections are secure. Your installation is now complete. Thank you for choosing Takeda!

NOTE: Check all bolts, clamps, and connectors after 100-200 miles.



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Pro DRY S Air Filter



P/N: 21-91113

Pro 5R Air Filter



P/N: 24-91113

Pre-Filter



P/N: 28-10113

Pro DRY S Restore Kit



P/N: 90-59999

Pro DRY S Restore Kit



P/N: 90-50501

SPRINT BOOSTER V3



P/N: 77-16510

Scorcher GT Power Module



P/N: 77-46004

Scorcher GT Blue Power Module



P/N: 77-86004

Downpipe



P/N: 48-36317-HC

Cat-Back Exhaust System



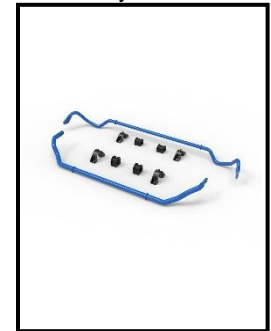
P/N: 49-36043

Intercooler Tube (Hot Side)



P/N: 49-48053

Sway Bar Set



P/N: 440-721001-L

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



Warranty

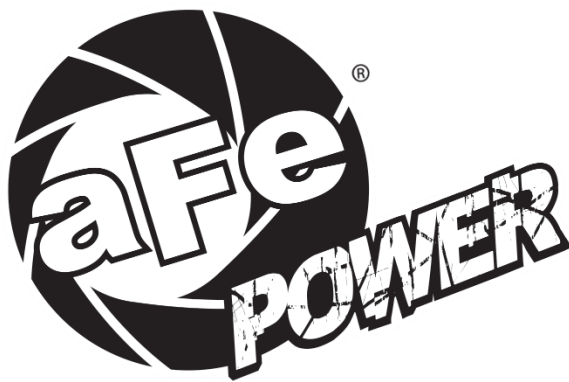
General Terms:

- 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	20, 21, 23, 24, 72, TF	2 years
Air Intake Systems	50, 51, 53, 54, 55, 56, 57, 58, 75, TR, TA, TL, TM	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
Turbochargers	46-6	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.

*See turbocharger warranty for more info



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