

***advanced FLOW engineering***

Takeda Stage-2 Cold Air Intake System

**Instruction Manual** P/N: 56-10018D / 56-10018R

Make: Toyota

Model: C-HR

Year: 2018-2020

Engine: I4-2.0L



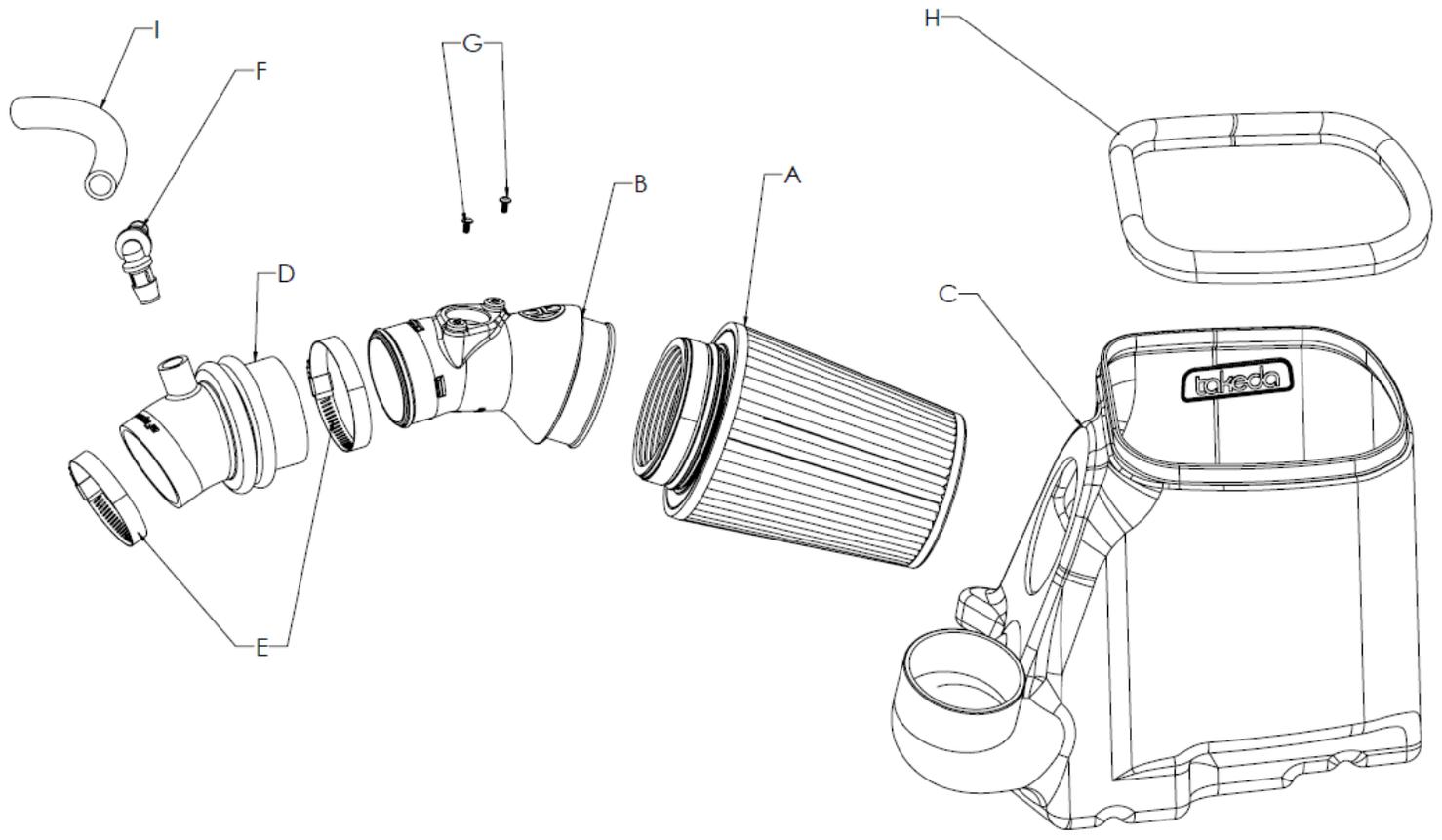
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine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

Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro 5R)	TF-9028D
A2	1	Air Filter (Pro DRY S)	TF-9028R
B	1	Tube	05-5610018B1
C	1	Housing	05-5610018B2
D	1	Coupling, Silicone Bellow: (2.75" x 2.50") ID x 20 Degree	05-01526
E	2	Clamp, 044 (2-5/16" - 3-1/4")	03-50019
F	1	Fitting, Elbow	03-50165
G	2	Screw, Torx M4	03-50491
H	1	Seal, Trim (25 in)	05-01507
I	1	Hose, Silicone: 5/8" ID (10")	05-01502

**Installation will require the following tools:**

T-20 Torx driver, #2 Phillips screwdriver, 8mm nut driver, 10mm nut driver, and needle-nose pliers.

**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 Step 1-2**

Step 1: Remove the engine cover by lifting it straight up.

Step 2: Remove front cover by removing the 2 screws (1) and 4 push-clips (2). Remove the push clip by pushing the center button in, and then pulling up the whole clip out of the cover. The two screws can be removed with a Phillips screwdriver. Save all of the hardware for reinstallation.

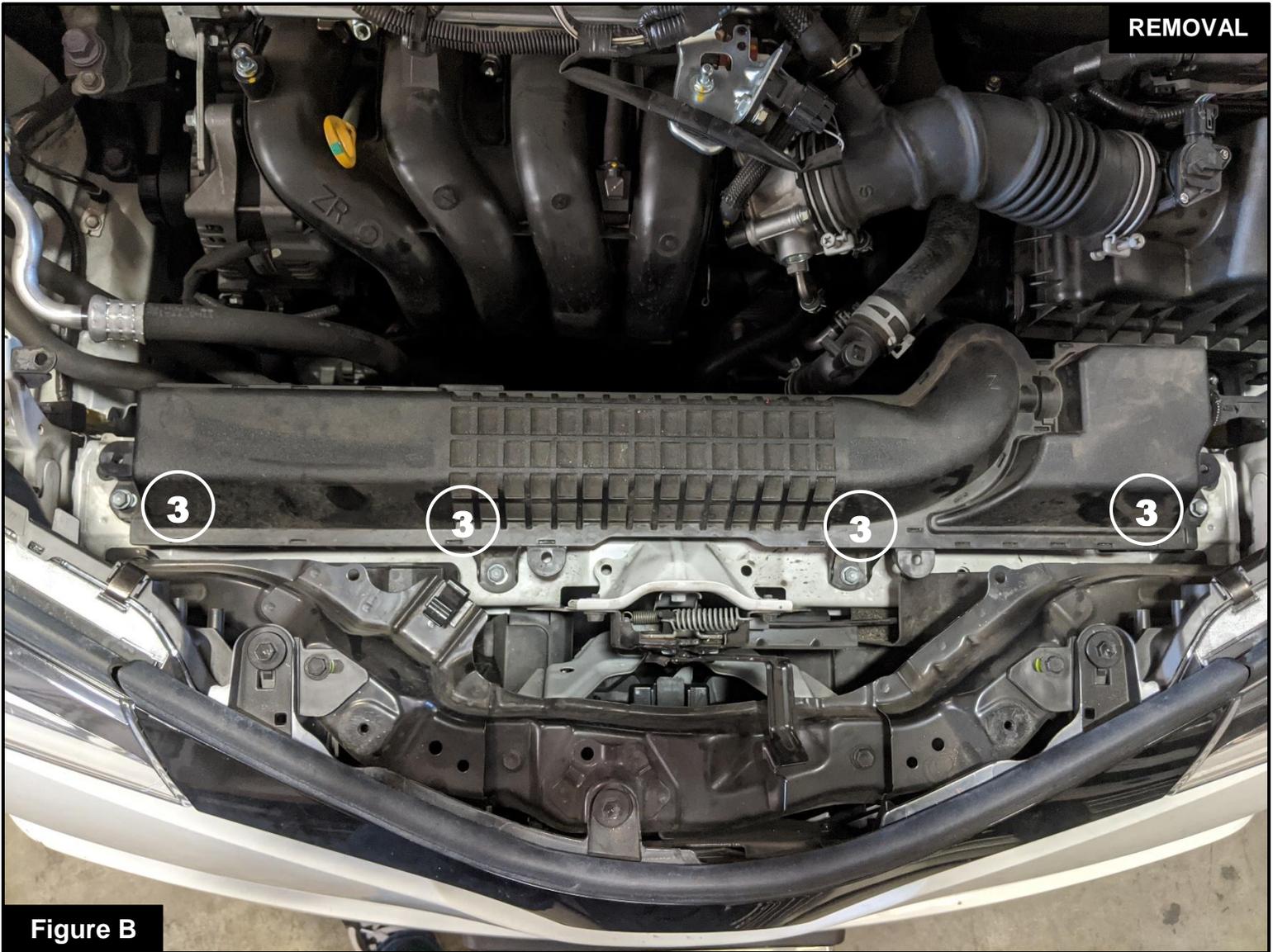
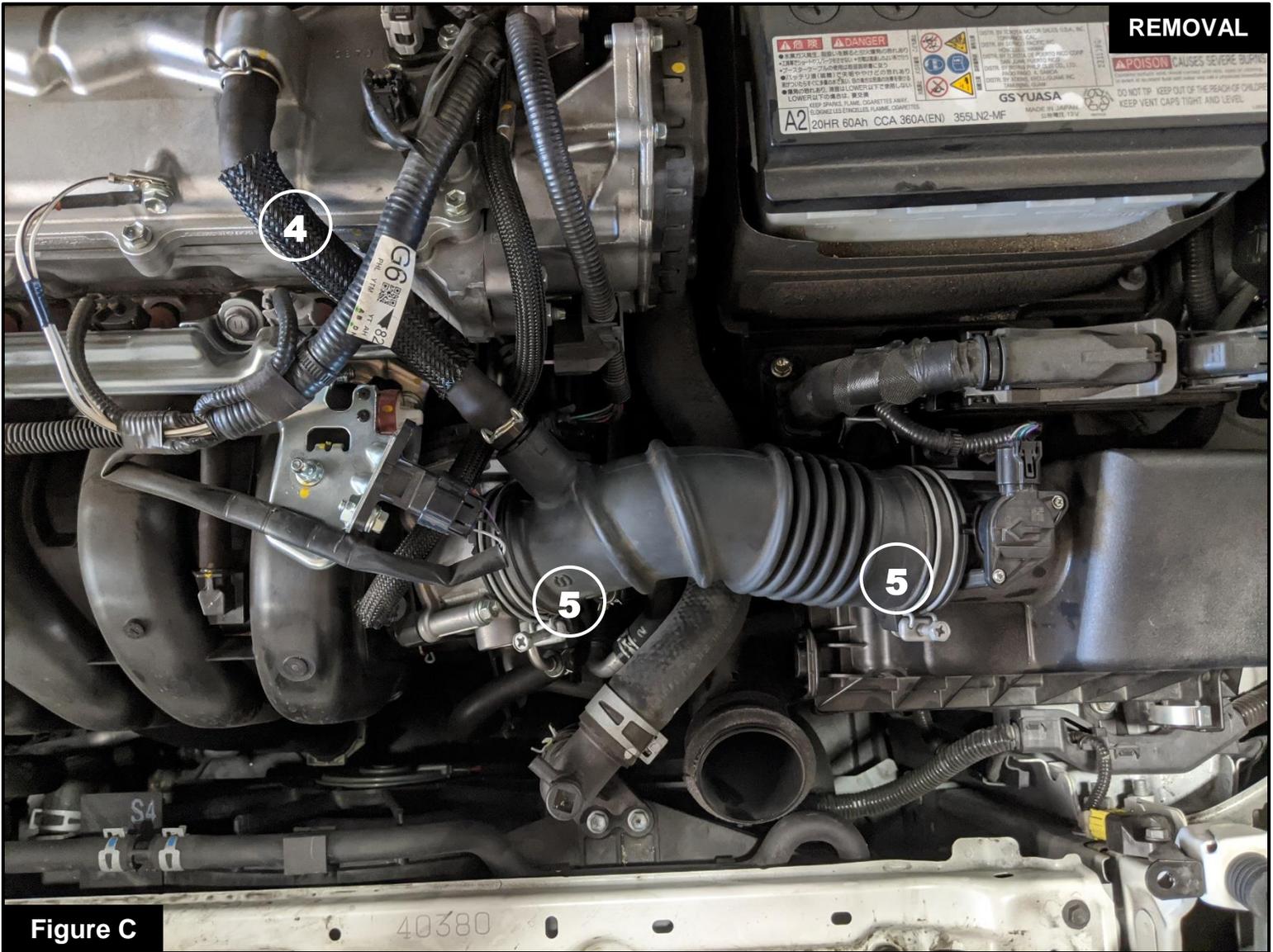


Figure B

**Refer to Figure B for Step 3**

Step 3: Remove the air inlet by removing the 4 bolts shown ③ with a 10mm nut driver. These bolts will be re-used for reinstallation of the air inlet.



**Refer to Figure C for Step 4-5**

Step 4: Remove the PCV hose (4) from the intake tube and valve cover. Keep the hose clamps for reinstallation.

Step 5: Remove the intake tube by loosening the hose clamps (5) at each end of the tube with a 10mm nut driver.

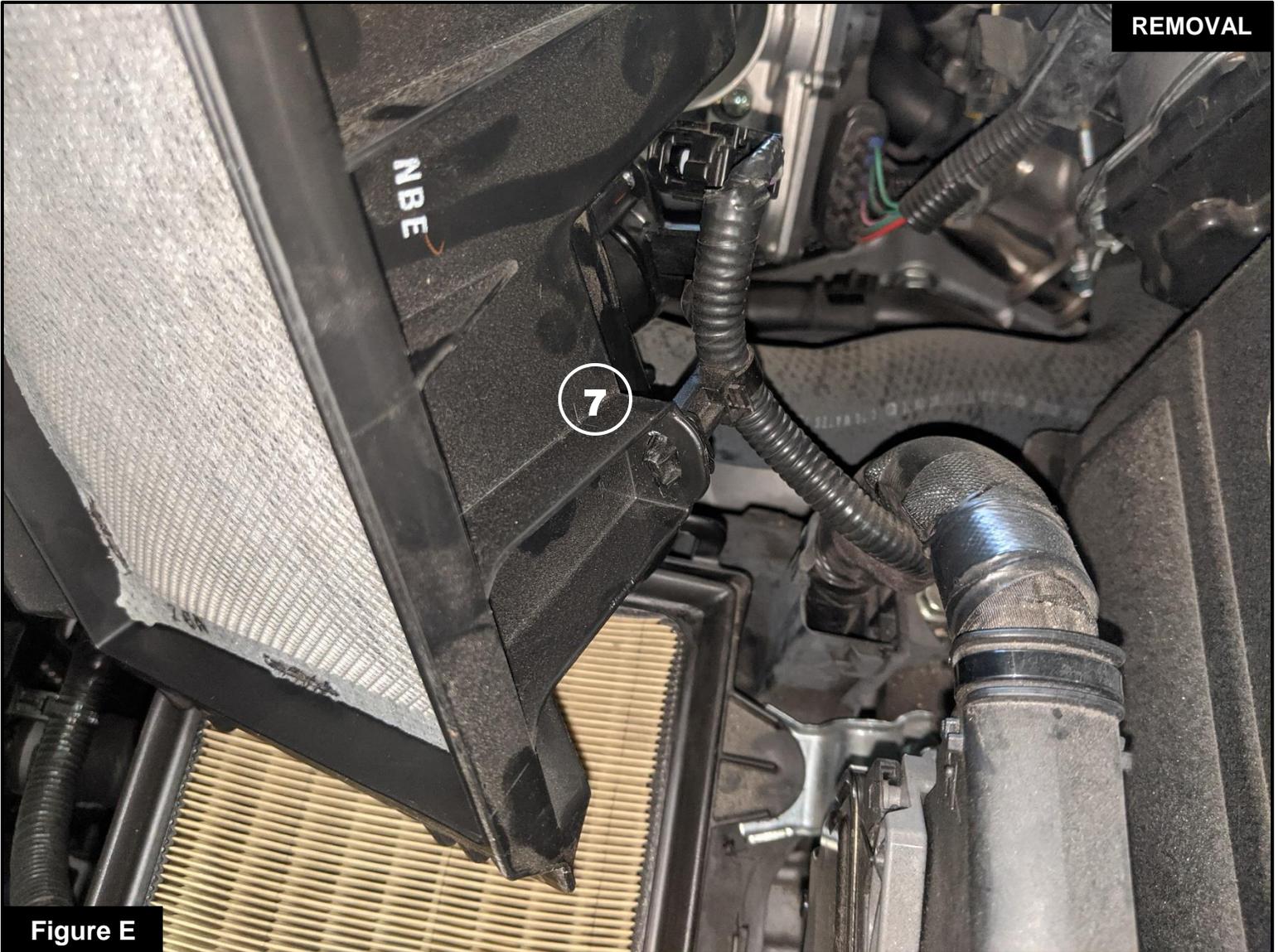


Figure D

**Refer to Figure D for Step 6-7**

Step 6: Unclip the wiring harness plug (6) from the Mass Air Flow (MAF) sensor.

Step 7: Remove the MAF Sensor from the housing cover by removing the two screws securing it with a Phillips screwdriver.

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

Step 8: Remove the harness from the housing cover completely by squeezing the two tabs together and pushing it out through the mount.

Step 9: Remove the housing cover and air filter.

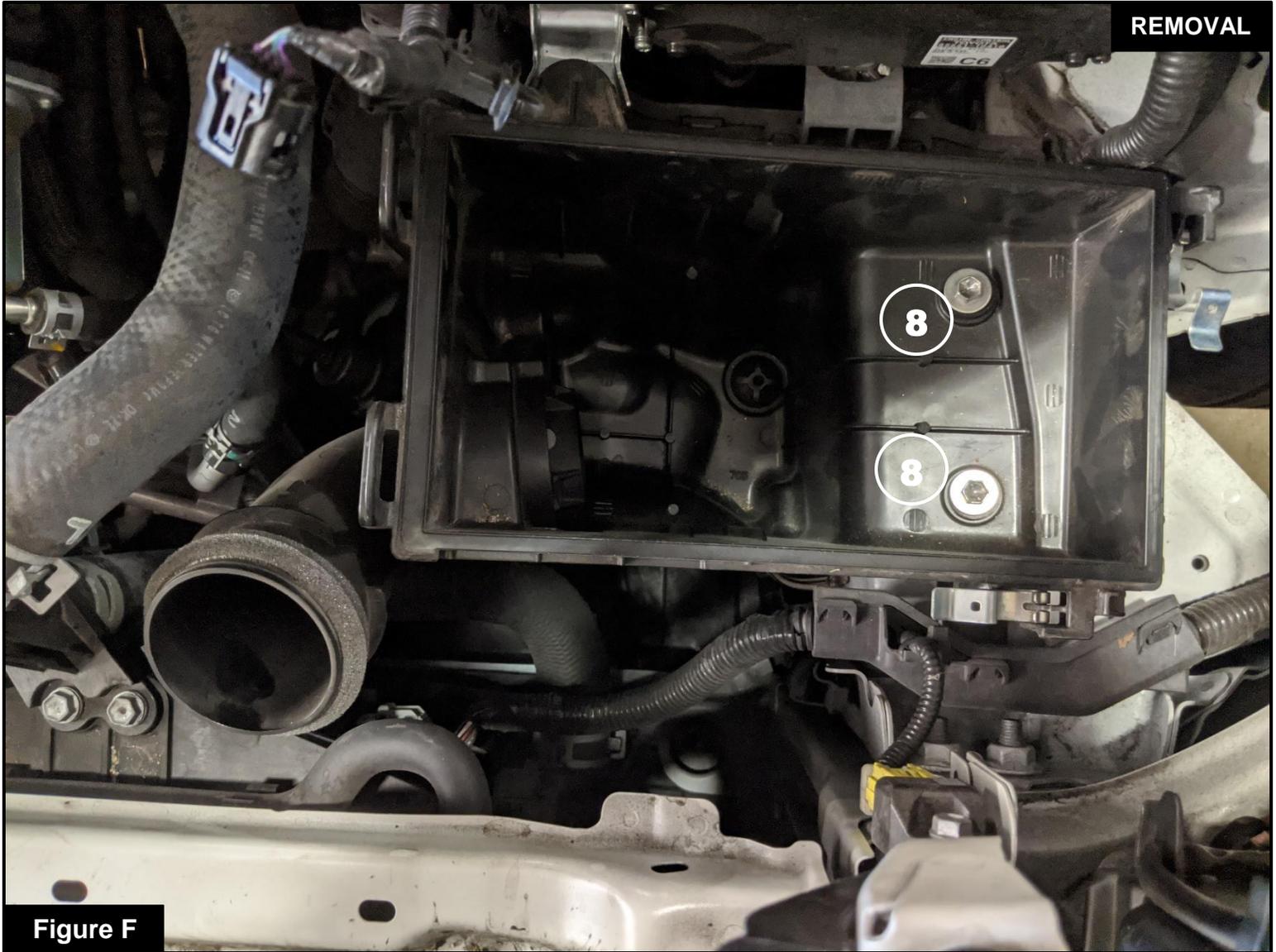


Figure F

**Refer to Figure F for Steps 10**

Step 10: Remove the housing from the vehicle by removing the two bolts (8) with a 10mm nut driver. Keep these bolts for reinstallation.

**Figure G****Refer to Figure G for Steps 11**

Step 11: Remove the two grommets from the bottom of the factory housing and insert them into the Takeda housing. ⑨



**Refer to Figure H for Step 12**

Step 12: Insert the provided air filter into the Takeda housing by angling it down, and then rotating it to allow the flange to come through the hole. Push it through the hole until it snaps into place.



Figure I

**Refer to Figure I for Step 13**

Step 13: Insert the Takeda housing into the engine bay. Ensure that the mounting peg slides into the mount as shown. ⑩



Figure J

**Refer to Figure J for Step 14**

Step 14: Secure the housing by inserting and tightening the 10mm bolts from Step 9.

**Figure K****Refer to Figure K for Step 15**

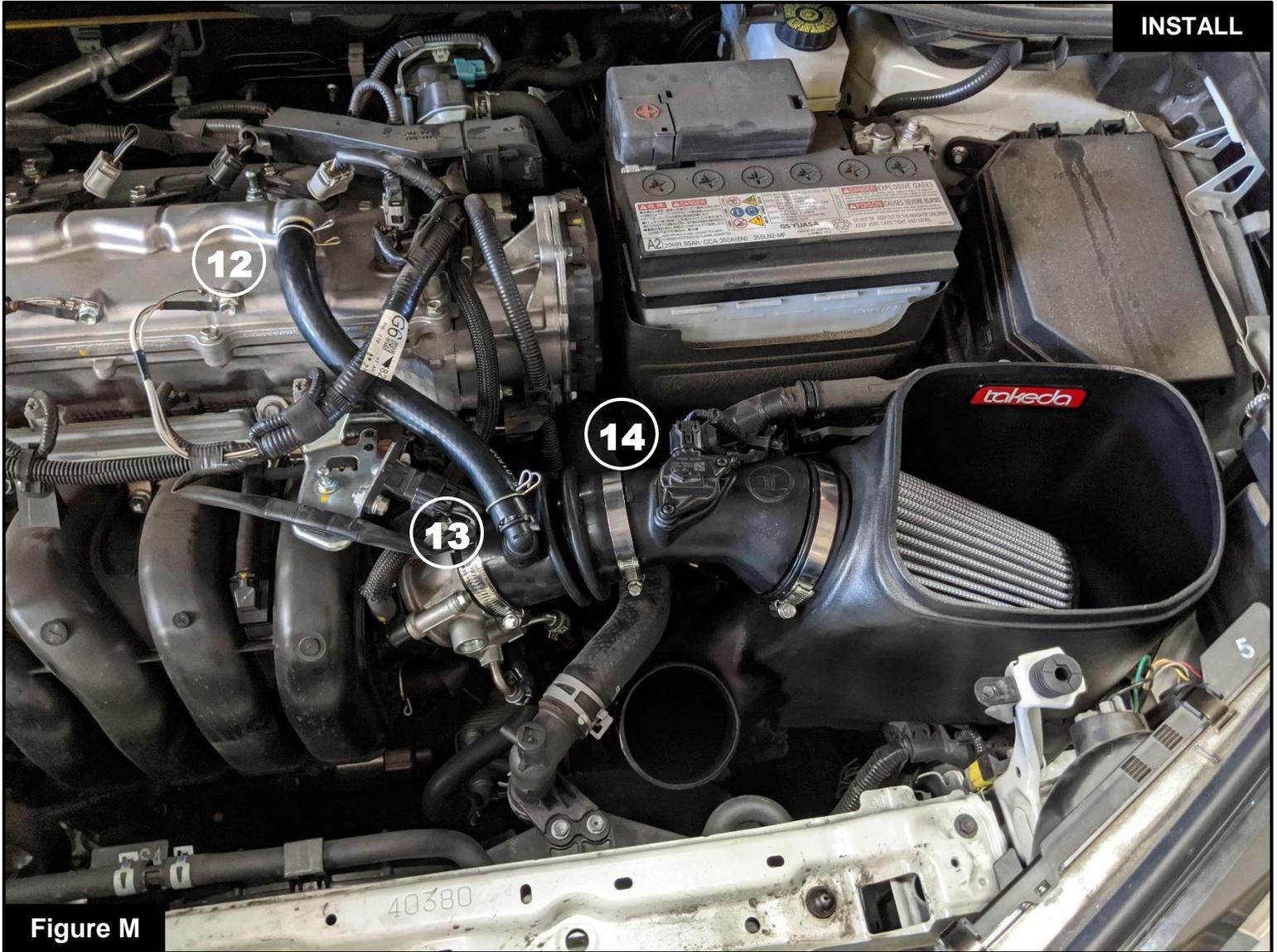
Step 15: Install the MAF sensor into the tube. Tighten it down using the provided M4 screws and a T20 Torx screwdriver.

**Figure L****Refer to Figure L for Step 16-18**

Step 16: Install the elbow fitting into the provided coupling. ⑪

Step 17: Install the coupling onto the throttle body. Secure it using the provided clamp, but do not fully tighten it at this time.

Step 18: Install the tube into the coupling and secure it using the other provided clamp. Do not fully tighten it down at this time.


**Figure M**

**Refer to Figure M for Step 19-22**

Step 19: Insert the tube into the filter and secure it with the remaining clamp. Do not fully tighten it at this time.

Step 20: Install the silicone breather hose onto the vent fitting on the valve cover and secure it using one of the clamps removed in Step 3. ⑫ Route it as shown to the vent fitting on the coupler and secure it with the other hose clamp. ⑬

Step 21: Plug in the MAF sensor harness. ⑭

Step 22: Tighten down all of the clamps.

**Figure N****Refer to Figure N for Step 23-26**

Step 23: Install the seal trim onto the top edge of the housing.

Step 24: Reinstall the air inlet, making sure the inlet falls into the scoop on the housing. Fasten the inlet using the screws removed in Step 2.

Step 25: Reinstall the front cover using the hardware removed in Step 1.

Step 26: Reinstall the engine cover.

Your installation is now complete. Thank you for choosing Takeda.

Pro DRY S Air Filter



P/N: TF-9028D

Pro 5R Air Filter



P/N: TF-9028R

Pro DRY S Restore Kit



P/N: 90-59999

Pro 5R Restore Kit



P/N: 90-50501

Pro DRY S Power Cleaner



P/N: 90-10101

Pro 5R Power Cleaner



P/N: 90-10201

Pre-Filter



P/N: 28-10083

Takeda Man Decal



P/N: TP-7003D

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 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, 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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