

advanced FLOW engineering

Instruction Manual P/N: TA-4107P & TA-4107B



Make: **Mazda** Model: **3** Year: **2010** Engine: **L4-2.5L**



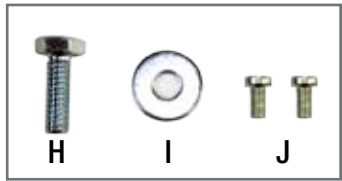
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine 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	RTF-9002D
B	1	Primary Intake Tube	05-T4107P1 or 05-T4107B1
C	1	Secondary Intake Tube	05-T4107P2 or 05-T4107B2
D	1	Elbow Coupler	05-00135
E	1	Straight Coupler	05-01162
F	2	Clamp 48	03-50007
G	2	Clamp 44	03-50019
H	1	Bolt	03-50057
I	1	Washer	03-50070
J	2	Screws	03-50034
K	1	Pre-Filter	TP-7011B

Installation will require the following tools:

Flat head screw driver, Phillips screw driver, 8mm socket, 10mm socket, Ratchet & 5/16 nut driver.

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 1-4**

Step 1: Unplug MAS harness (1) from the stock intake system

Step 2: Unplug the vacuum line (2) from the stock intake system

Step 3: Remove the bolt (3) from the stock air box using the 10mm socket

Step 4: Loosen the clamp (4) on the OE tube connected to the throttle body using the nut driver



Figure B

Refer to Figure B for steps 5-6

Step 5: Pull the housing air duct (1) from the radiator shroud by pressing and pulling. No tools needed

Step 6: Remove entire air box and air duct out of vehicle (2)



Refer to Figure C for steps 7-9

Step 7: Remove (7) black bolts (1) from the first cover

Step 8: Remove (7) grey bolts (2) from the second cover

Step 9: Remove both covers. put bolts aside, you will need them to reinstall covers.

**Figure D****Refer to Figure D for step 10**

Step 10: Remove the (2) clips ① from the driver's side fender lining, put clips aside. You will need them to reinstall fender lining.

**Figure E****Refer to Figure E for steps 11-12**

Step 11: Remove the transmission cooler shroud by unclipping (2) clips (1). There is a clip on the top and bottom

Step 12: Loosen the bolt connected to the horn and turn the horn counter clock wise. Make sure the horn (opening) still points down so water cannot enter the horn



Figure F

Refer to Figure F for step 13

Step 13: Connect the filter (A) to the secondary tube (C) using the 5/16" nut driver

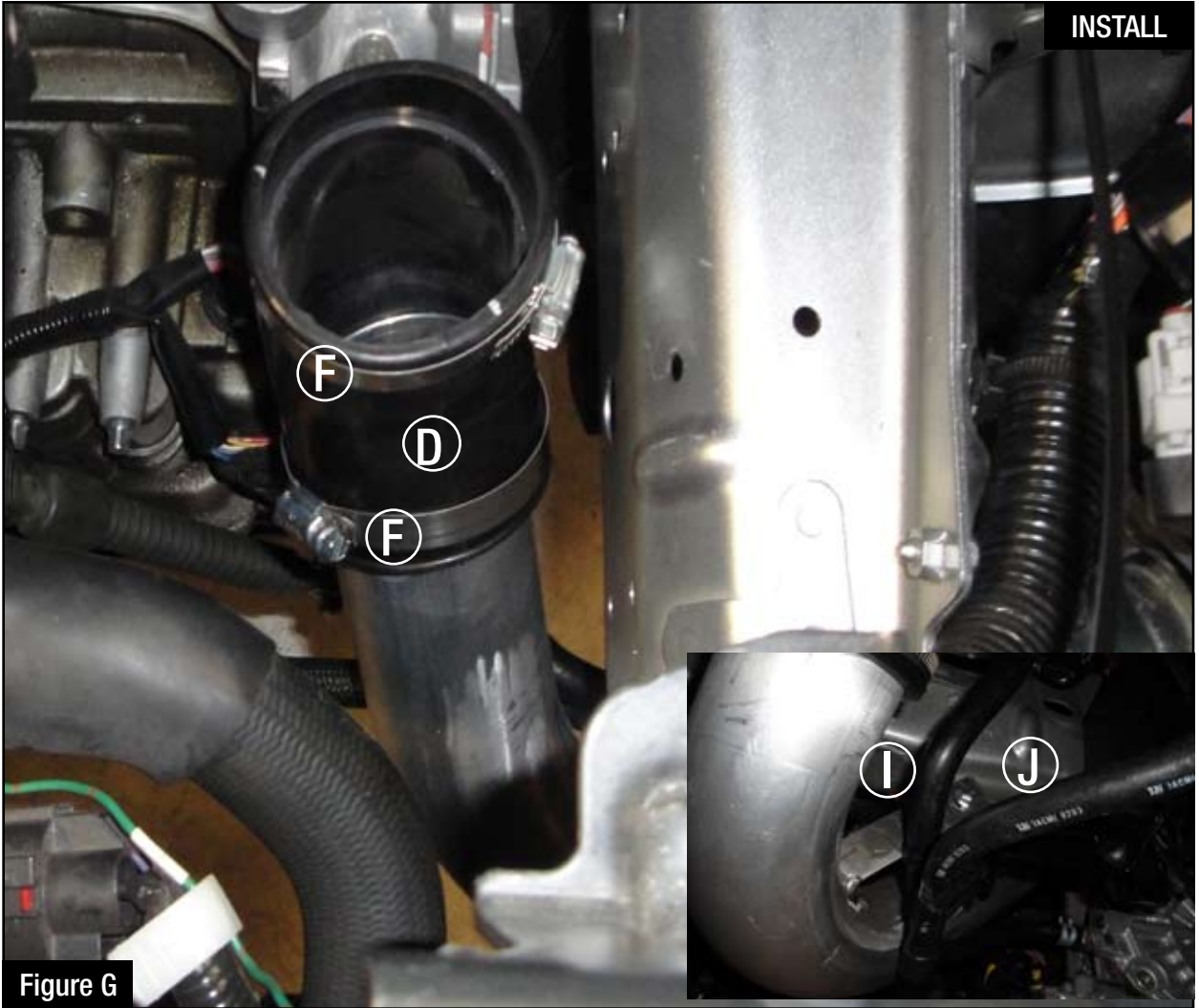


Figure G

Refer to Figure G for steps 14-16

Step 14: Install the secondary tube into place. Be sure to install from the bottom of the vehicle.

Use the bolt (I) and washer (J)

Step 15: Place the clamps (H) onto the elbow coupler (D) . Do not tighten

Step 16: Install the elbow coupler onto the secondary intake tube oriented as shown.



Refer to Figure H for steps 17-20

Step 17: Place the clamps (G) on the straight coupler (E)

Step 18: Place the straight coupler on the throttle body. Make sure the hole on the coupler is facing up

Step 19: Insert the vacuum line into the coupler by pushing it in

Step 20: Remove the MAF sensor from the stock intake and screw it into the primary tube using the (2) screws (K) provided

Step 20: Insert the primary intake tube into the straight coupler (E) and elbow coupler (D)



Refer to Figure C, D and G for steps 21-23

Step 21: Plug the harness back into the MAF sensor ①

Step 22: Tighten up all of the bolts and clamps once confirmed everything is aligned

Step 23: Refer to Figure C and D to connect the bottom covers and fender lining back onto the vehicle.

Installation is complete

Page Intentionally Left Blank



Pro DRY S Air Filter



P/N: TF-9002D

Pro DRY S Restore Kit



P/N: TP-7015C

aFe Power Hat



P/N: 40-10083

Takeda Tee



P/N: TP-7004T M
P/N: TP-7005T L
P/N: TP-7006T XL
P/N: TP-7007T 2XL

Key Chain

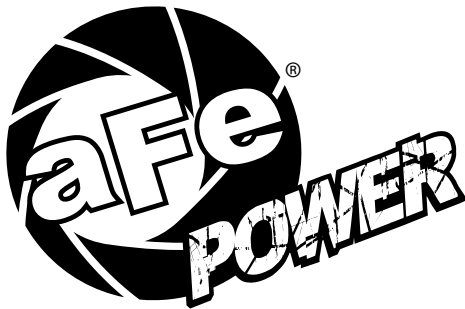


P/N: TP-7018K

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

Warranty

aFe warrants their intake systems to be free of defects from workmanship and materials for a period of two (2) years, provided the intake system was: A) installed in an aFe recommended application according to aFe installation instructions; and B) the air filter has been properly cleaned utilizing an aFe cleaning solution and oil (not applicable on Pro DRY S filters). Damage from abuse, improper cleaning, improper oil and improper installation or from open flame is not covered by this limited warranty. In the event of a defect of an aFe product within the period covered by this limited warranty, the purchaser can return the product to the dealer where it was purchased or send the product to aFe at the address listed on the back after obtaining a Return Good Authorization (RGA) number from aFe. The original register receipt will be required as proof of purchase. Purchaser will be entitled to a refund of the entire purchase price or a replacement of the product at aFe's discretion. Purchaser shall be responsible for the cost of shipping the defective product to aFe. An RGA number can be obtained by calling aFe customer service. Products shipped without an RGA number will be refused. A refund or replacement of the product shall be the sole remedy available under this limited warranty and aFe shall not be responsible for consequential or incidental damages. (Some states do not allow this exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply). This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.



advanced FLOW engineering, inc.

252 Granite Street Corona, CA 92879

TEL: 951.493.7100 • TECH: 951.493.7100 x23

E-Mail: Tech@aFepower.com