



advanced FLOW engineering™  
 P.O. Box 1719  
 Corona, CA 92878  
 Support: 951-493-7100  
 aFepower.com

## Intake Kit Installation Instructions: 2008 Scion xD L4-1.8L Stage 2

<b>Kit P/N:</b> 51/54-11322	<b>Tools Required:</b> 5/16" nut driver Flat head screwdriver Phillips screwdriver 10mm socket or wrench Ratchet w/extension	<b>Parts List:</b> 1 Air filter ( <b>Pro-5R™</b> 24-35010 or <b>Pro Dry S™</b> 21-35010) 1 Housing 1 Coupler, reducer w/ hole 1 7/16" trim seal @ 18" L 1 7/16" trim seal @ 12.5" L 1 Screw, M6 x1 x 25 5 Washer, flat M6	2 Screw, M6 x1 x 16 3 Washer, lock M6 3 Nut, M6 2 Clamp, #044
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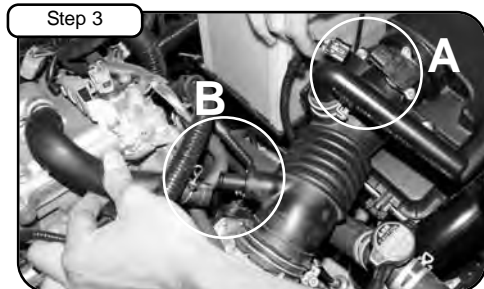
Complete Kit w/ Parts



**Step 1**  
**Complete Stock Intake.**  
 Disconnect battery before install.



**Step 2**  
 Remove engine cover by lifting up front of cover and pulling up.



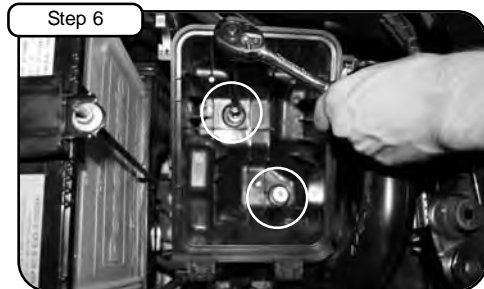
**Step 3**  
 A) Disconnect MAF sensor.  
 B) Pull back crank case line from tube.



**Step 4**  
 Loosen clamp on Throttle Body with phillips screwdriver or 10mm socket or wrench.



**Step 5**  
 Un-clip upper half of air box and remove with intake tube. Remove air filter.



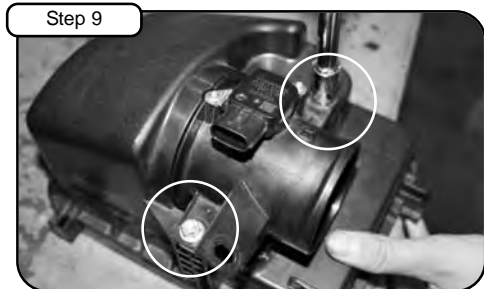
**Step 6**  
 Loosen the two 10mm bolts holding bottom half of air box.



**Step 7**  
 Remove bottom half of air box.



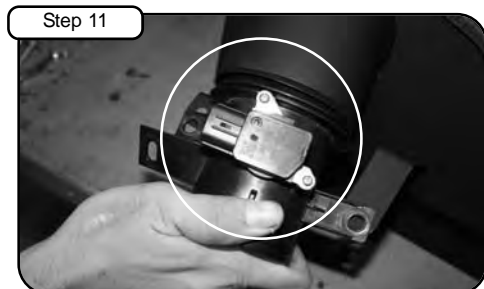
**Step 8**  
 Install 7/16 trim seal on housing.



**Step 9**  
 Remove the two 10mm bolts holding in MAF sensor.



**Step 10**  
 Gently pull out MAF sensor from air box.



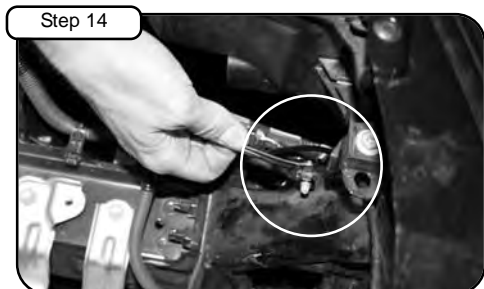
**Step 11**  
 Install MAF sensor into new tube on housing. Push to allow sensor seal to seat.



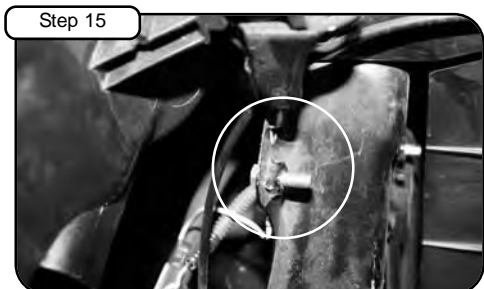
**Step 12**  
 With M6 screws, washers, lock washers, and nuts provided, tighten down MAF sensor to brackets on housing using 10mm socket or wrench.



**Step 13**  
 Loosen nut holding in battery bracket and set aside for later install of housing (see step 20).



**Step 14**  
 With 10mm socket or wrench loosen and remove bolt on radiator bracket support.



**Step 15**  
 Replace stock bolt with longer M6 x 1 x 25 screw provided and tighten (this will be used in step 21). Turn page over and continue to page 2



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### Accessories Available:

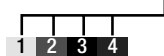


#### Restore Kits

90-50001 Blue Aerosol  
90-50501 Blue Squeeze  
90-59999 Pro Dry S™ Cleaner



#### Pre-filter 28-1009x



### Replacement Air Filter:



#### Pro-5R™ 24-35010 Blue Media



#### Pro Dry S™ 21-35010 White Media

Note: Filter Cleaning and Re-oiling: When cleaning your aFe filter, be sure to use only aFe's "Restore Kit" (aFe P/N: 90-50001 blue oil aerosol, aFe P/N: 90-50501 blue squeeze bottle oil, aFe P/N: 90-59999 Pro Dry S™ cleaner only.) Pro Dry S™ cleaning: see cleaning instruction sheet 06-00074. For replacement part(s) or "Restore Kit" please call aFe sales/tech support @ 951-493-7100

Step 16



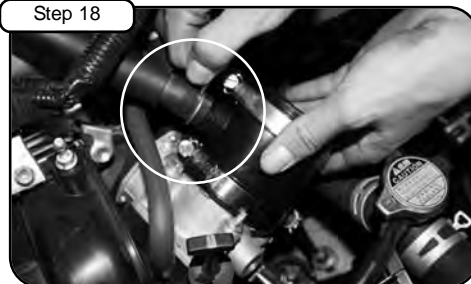
Remove plastic fitting from stock tube.

Step 17



Install fitting into coupler provided.

Step 18



Install coupler to throttle body with clamps provided. *Do not tighten.* Re-attach crank case line to fitting on coupler.

Step 19



Install housing into vehicle and position MAF to coupler.

Step 20



From step 13, re-install nut and tighten down housing.

Step 21



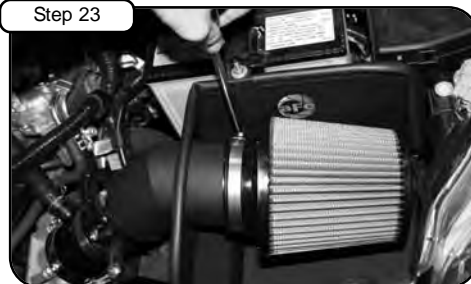
With housing tab in position with screw from step 15, tighten using washer, lock washer and nut provided with 10mm socket or wrench.

Step 22



Tighten all clamps using 5/16" nut driver. Connect MAF sensor harness.

Step 23



Install air filter and tighten using 5/16" nut driver.

Step 24



Re-install engine cover. Re-connect battery.

Step 25



Your installation is now complete. Make sure you tighten all clamps and check all electrical connections periodically. Thank you for choosing aFe!