

**advanced FLOW engineering**

**Instruction Manual** P/N: 51-11922 / 54-11922 / 75-11922 / 75-11922-0V

Make: **GM** Model: **2500/3500** Year: **2011-2012** Engine: **V8-6.6L (td) DURAMAX LML**



- 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
A1	1	PDS Air Filter	R21B91051 (Included in 51-11922 & 75-11922-0V)
A2	1	Pro 5R Air Filter	R24B91051 (Included in 54-11922)
A3	1	Pro GUARD 7 Air Filter	R75B91051 (Included in 75-11922 & 75-11922-0V)
B	1	Housing	05-11922B3
C	1	Tube 1	05-11922B1
D	1	Tube 2	05-11922B2
E	1	Insert, MAS Flow	05-01153
F	1	Coupling, Filter Adaptor	05-01158
G	1	Coupling, Hump	05-01255
H	4	Clamp, 80	30-50011
I	1	Seal Trim - 43"	05-00072
J	1	Rubber Edge Trim - 7.5"	05-00149
K	1	Coupling, Turbo Adaptor	05-01157
L	1	Injection Molded Adaptor	05-00611
M	1	Torx Bit - T20	03-50066
N	5	Button Head Screw	03-50113
O	1	MAS Gasket w/PSA	05-00118
P	1	Restore Kit	90-50500 (Included in 75-11922-0V)
Q	1	Pre-Filter	28-10033 (Included in 75-11922-0V)

Installation will require the following tools:

8mm Nut driver, 10mm Nut driver, Torx 20 (T20), and 4mm hex key.

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.





### **Refer to Figure A for steps 1-3**

- Step 1: Disconnect the Mass Air Flow (MAF) sensor harness and remove sensor with a Torx (T-20) driver.  
Save the 2 screws for use on the new intake tube.
- Step 2: Disconnect the temp sensor harness.
- Step 3: Loosen all tube clamps using an 8mm nut driver. Remove the tubes.

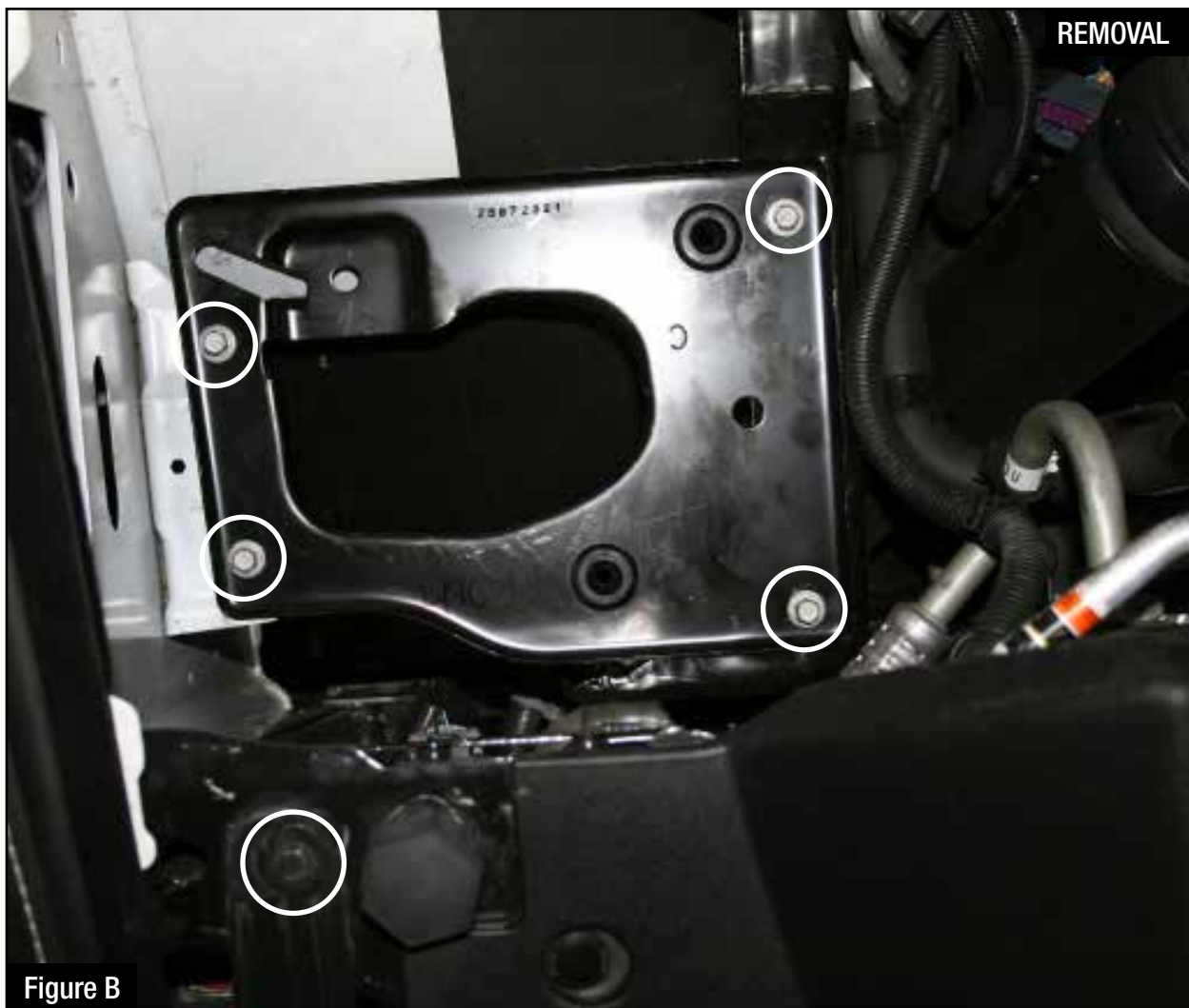


Figure B

**Refer to Figure B for steps 4-5**

Step 4: Remove the OE filter housing with an upward pull to release it from its mounting grommets.

Step 5: Remove the housing mounting tray with a 10mm nut driver.

Also remove the trim screw from the top of the core support with a 10mm nut driver, save the screws for reuse.

**Figure C****Refer to Figure C for steps 6-7**

- Step 6: Install the filter adaptor onto the housing with 5 button head socket screws and a 4mm hex key.
- Step 7: Install the trim seal along the top and side of the housing. A couple of tight bends will be needed rounding the corners.





Figure D

**Refer to Figure D for step 8**

Step 8: Lower the housing into place and secure with the original screws. This can be done without disconnecting the small coolant hose. Tighten with a 10mm nut driver.



**Refer to Figure E for step 9**

Step 9: Wipe down inside and outside surfaces of the filter adaptor coupler to remove slippery mold release agent. Install the filter adaptor coupler in position.





Figure F

**Refer to Figure F for step 10**

Step 10: Wipe down inside and outside surfaces of the turbo inlet coupler to remove slippery mold release agent. Install turbo inlet coupler over the turbo inlet.



Figure G

### **Refer to Figure G for steps 11-13**

Step 11: Install the MAS flow insert inside the turbo inlet tube near the MAF sensor location. (This MAS flow insert is an essential component for proper operation.) Install the MAF sensor using the original mounting screws and supplied gasket (tighten the sensor screws just snug enough to hold the sensor down. **DO NOT OVER TIGHTEN!**). Slip the hump coupler over this end of the tube & secure loosely with a provided hose clamp.

Step 12: Place hose clamps over the tube ends, assemble the tubes from front to rear, tighten all clamps.

Step 13: Install filter. It should be lowered into the housing and brought back up onto the filter adaptor.



Figure H

**Refer to Figure H for steps 14-15**

Step 14: The temp sensor harness should cross over the intake tube and reconnect to the sensor.

Also reconnect the mass air flow sensor.

Step 15: Check that all components are tight and secure. Your installation is now complete.

***NOTE: Retighten all connections after approximately 100-200 miles.***



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Pro DRY S Air Filter



P/N: 21-91051

Pro 5R Air Filter



P/N: 24-91051

Pro 5R Air Filter



P/N: 72-91051

Pre-Filters



P/N: 28-10031 Yellow  
P/N: 28-10032 Red  
P/N: 28-10033 Black  
P/N: 28-10034 Blue

Pro DRY S Restore Kit



P/N: 90-59999

Blue Aerosol Restore Kit



P/N: 90-50001

Blue Squeeze Restore Kit



P/N: 90-50501

Gold Aerosol Restore Kit



P/N: 90-50000

Gold Squeeze Restore Kit



P/N: 90-50500

aFe Power Hat



P/N: 40-10083

aFe Key Chain



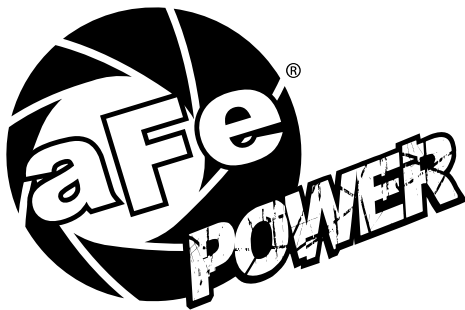
P/N: 40-10103

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



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