

advanced FLOW engineering BladeRunner – Charge Pipe Hot

Instruction Manual P/N: 46-20049

Make: GMC	Model: Sierra HD	Year: 2004.5-2005	Engine: V8-6.6L (td) LLY
Make: Chevrolet	Model: Silverado HD	Year: 2004.5-2005	Engine: V8-6.6L (td) LLY
Make: GMC	Model: Sierra HD	Year: 2006-2007	Engine: V8-6.6L (td) LBZ
Make: Chevrolet	Model: Silverado HD	Year: 2006-2007	Engine: V8-6.6L (td) LBZ
Make: GMC	Model: Sierra HD	Year: 2007.5-2010	Engine: V8-6.6L (td) LMM
Make: Chevrolet	Model: Silverado HD	Year: 2007.5-2010	Engine: V8-6.6L (td) LMM



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call 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.	UoM	Description	Part Number
A	1	Ea.	Tube, Hot Side: 46-20049	05-60028B
B	1	Ea.	Coupling, Silicone Reducer: (3" x 2.375")ID x 4"L	05-60047
C	1	Ea.	Coupling, Silicone Hump: 3"ID x 4"L	05-60012
D	1	Ea.	Clamp, Spring Loaded T-Bolt: (2.5" - 2.75") (ss)	03-50560
E	3	Ea.	Clamp, Spring Loaded T-Bolt: (3.25" - 3.5") (ss)	03-50530
F	1	Ea.	Bracket Adaptor: 46-20049	05-60049
G	1	Ea.	Plug, Hex Hd Socket: 1/8" NPT (Zn Plt)	03-50029
H	1	Ea.	Screw, Hex Hd: M8x1.25x12	03-50031
J	1	Ea.	Washer, Lock: M8, Zn Plt	03-50086

Installation will require the following tools:

7/16" deep socket or wrench, 13mm socket, ratchet and extension, torque wrench, flat tip screw driver or trim removal tool, teflon tape, grease.

Warranty Information available at <https://afepower.com/contact#warranty>

Emissions Disclaimer:

Some or all of the applications listed are 50-state exempt. Please see CARB EO# D-550-8 for details.

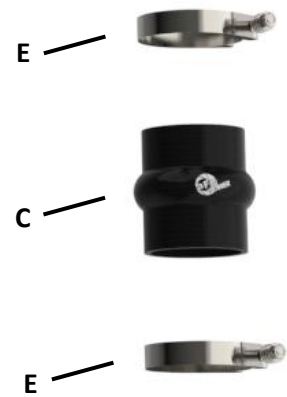
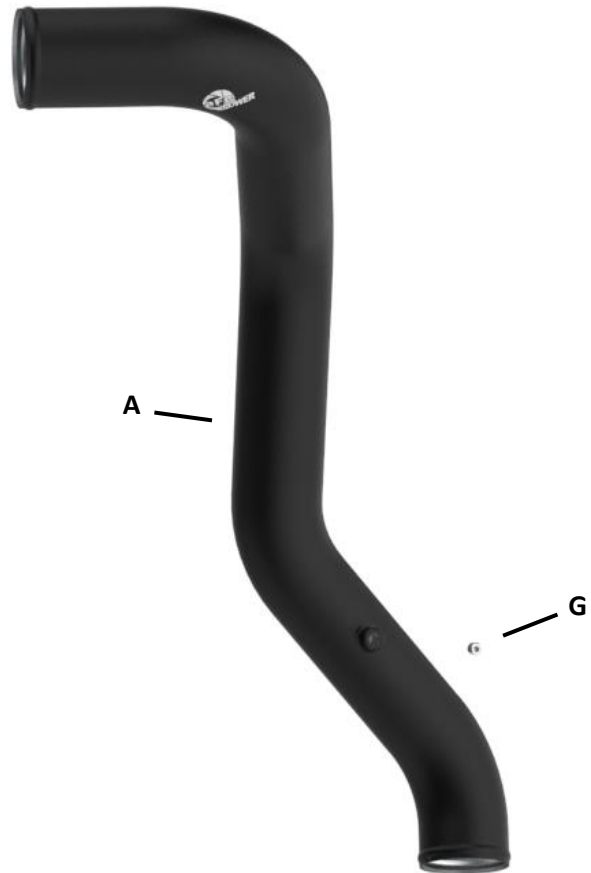
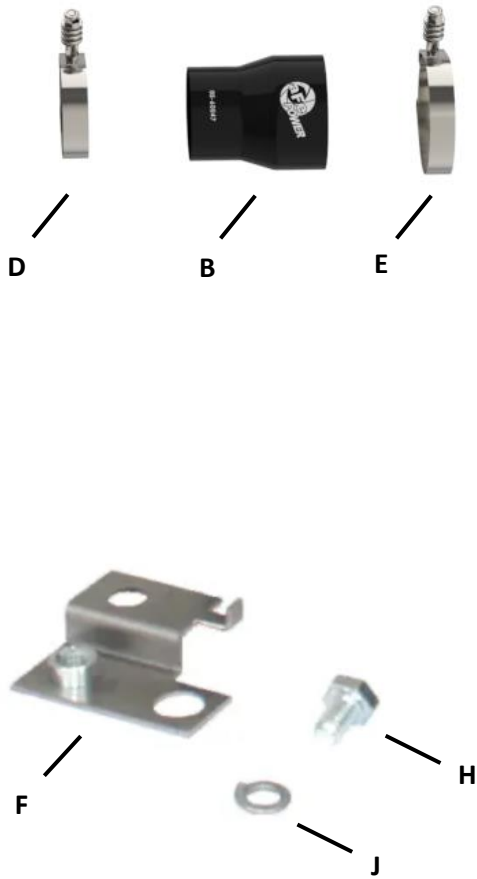


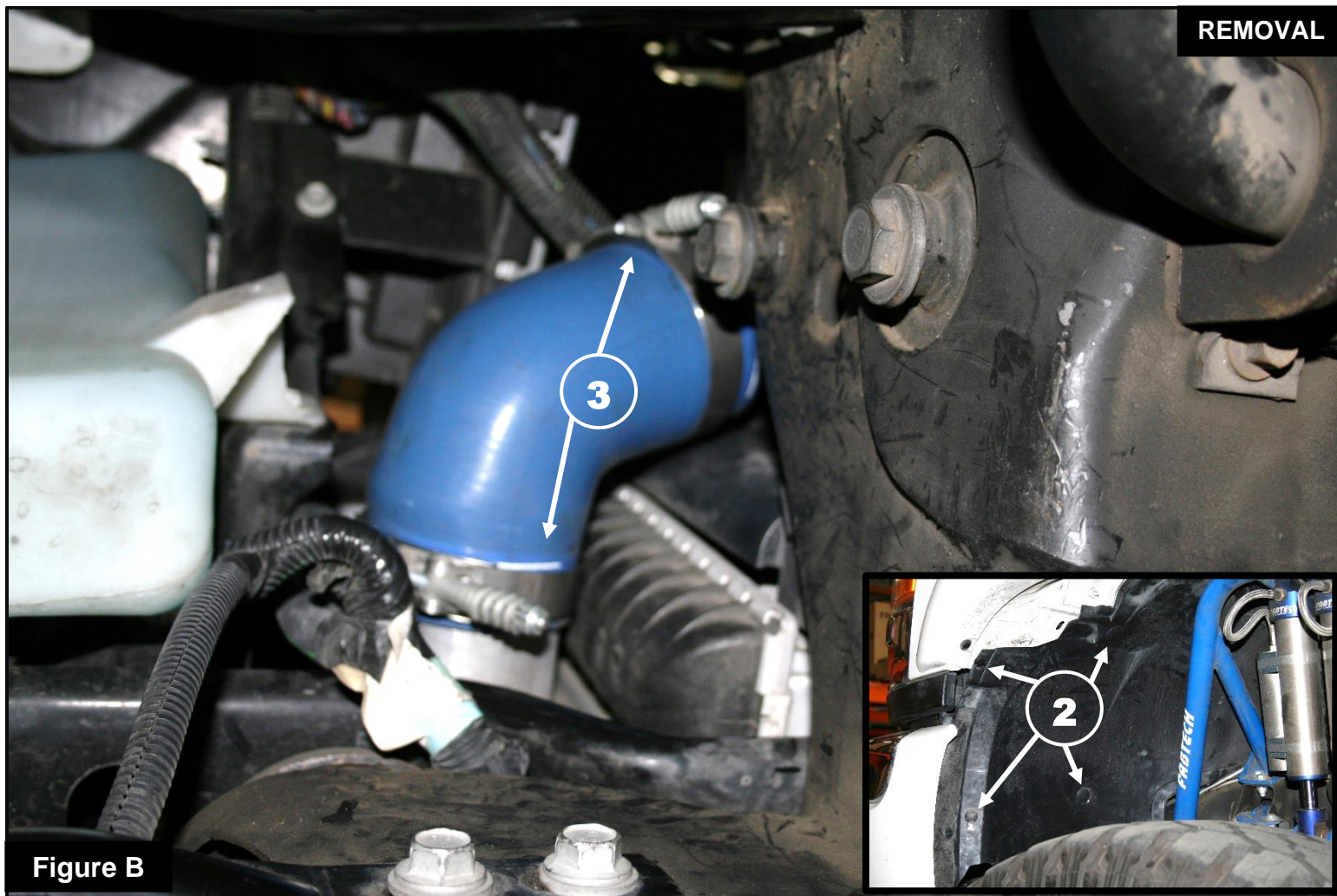


Figure A

Refer to Figure A for Steps 1 - 2

Step 1: Disconnect both negative battery cables.

Step 2: Loosen both hose clamps for turbocharger coupler ①.



Refer to Figure B for Steps 3 - 4

Step 3: Remove Fender clips for Driver's Side fender well and tie it out of the way with a strap or wire (2).

Step 4: Loosen both hose clamps for Intercooler coupler (3).



Figure C

Refer to Figure C for Step 5

Step 5: Remove the stock intercooler tube through the fender well ④.



Figure D

Refer to Figure D for Step 6

Note: Be sure to use thread sealant on the plug or sensor to prevent any leaking

Step 6: If you are not using any aftermarket sensors, install the supplied 1/8" NPT plug into the threaded fitting on the aFe POWER hot side charge pipe (5).



Figure E

Refer to Figure E for Steps 7 - 10

Step 7: Remove the stock brake line with bracket from the frame at the fender well.

Step 8: Install the new brake line Bracket Adaptor by reusing the stock screw (6).

Step 9: Install the stock brake line with bracket to new Bracket Adapter using the provided M8 screw and lock washer (7).

Step 10: Install the new aFe POWER charge pipe through the Driver's Side fender well (8).



Figure F

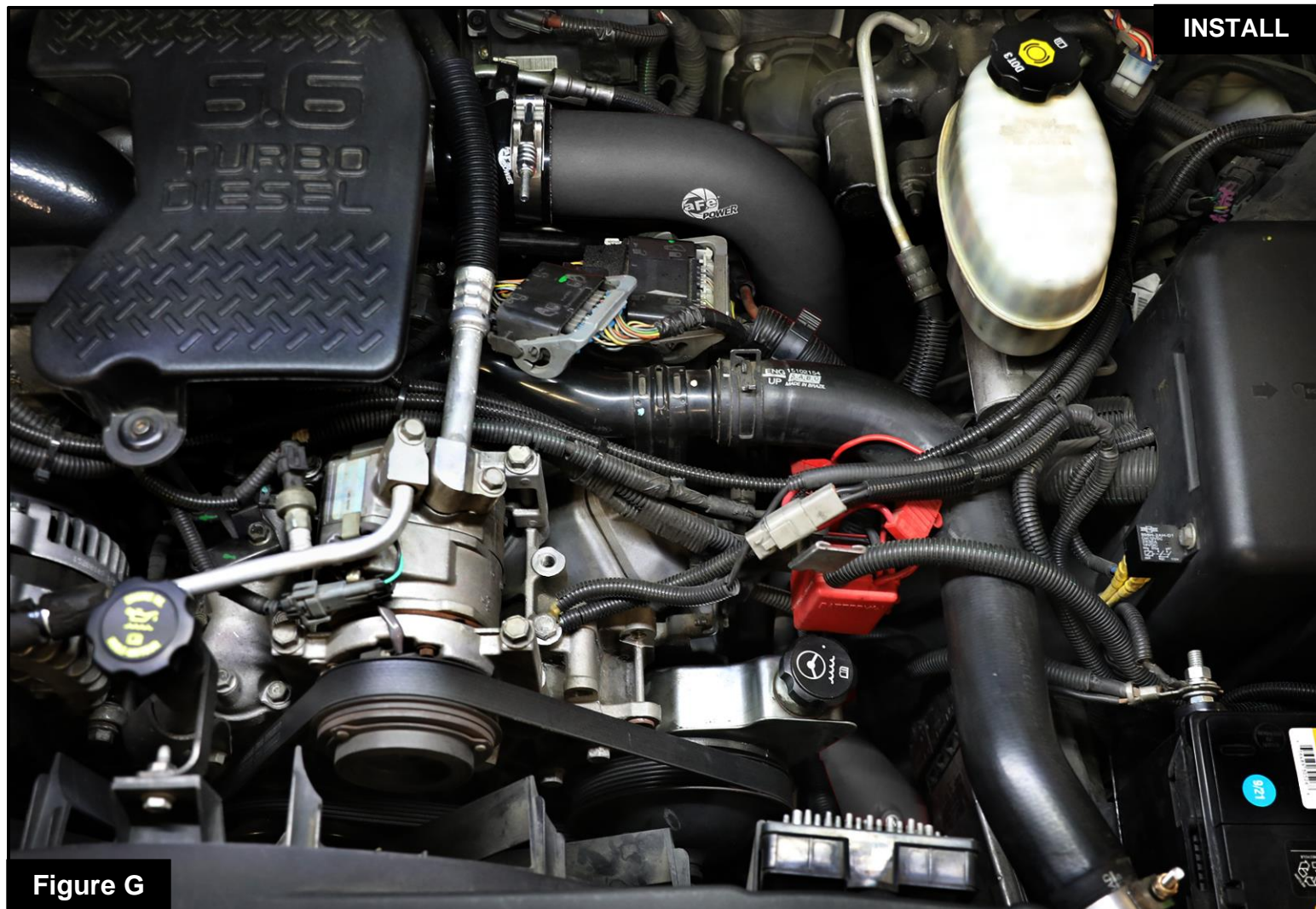
Refer to Figure F for Steps 11 - 14

Step 11: Install the 3" silicone reducer coupler, 2.5" T-Bolt clamp, and 3.25" T-Bolt clamp to the Engine Turbocharger; leave the T-Bolt clamps loose.

Step 12: Intall the 3" silicone hump coupler and 3.25" T-Bolt clamps flush to the aFe POWER charge pipe intercooler end; leave the T-Bolt clamps loose.

Step 13: Align the charge pipe turbocharger end to the silicone reducer and install the charge pipe tube; leave the T-Bolt clamps loose (9).

Step 14: Align the charge pipe intercooler end to the intercooler and slide silicone hump coupler onto the intercooler (10).



Refer to Figure G for Steps 15 - 18

Step 15: Ensure the aFe POWER hot side charge pipe is not touching anything, then tighten all of the clamps. Torque all spring-loaded T-Bolt clamps to 10 Ft-lbs. or until spring is completely collapsed.

Step 16: Reinstall the fender well and fender well clips.

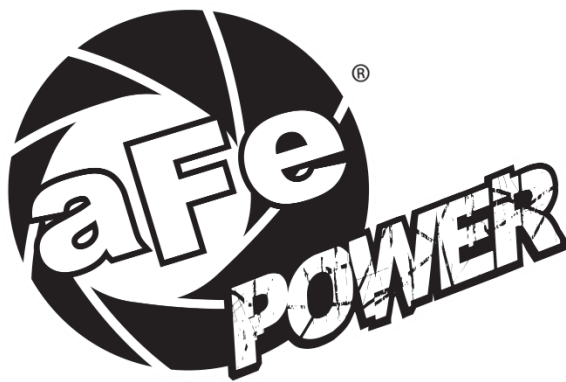
Step 17: Reconnect both negative battery cables.

Step 18: The installation is now complete.

NOTE: Check all clamps, and connectors are secure after 100-200 miles



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