



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

Intercooler Tube Upgrade Installation Instructions: 2004.5-2010 GM DURAMAX V8-6.6L (td) LLY/LBZ/LMM

Kit Part Number:

46-20049

Make: Chevrolet

Model:

Silverado HD '07.5-'10

Silverado HD '06-'07

Silverado HD '04.5-'05

Year:

'07.5-'10

'06-'07

'04.5-'05

Engine:

V8-6.6L (td) LMM

V8-6.6L (td) LLY/LBZ

V8-6.6L (td) LLY

Make: GMC

Model:

Sierra HD '07.5-'10

Sierra HD '06-'07

Sierra HD '04.5-'05

Year:

'07.5-'10

'06-'07

'04.5-'05

Engine:

V8-6.6L (td) LMM

V8-6.6L (td) LLY/LBZ

V8-6.6L (td) LLY

Tools Required:

7/16" deep socket or wrench

13 mm socket

Torque wrench

Ratchet w/ extension

Flat tip screw driver or pin pry tool

Steel wire or twine

New/clean motor oil

46-20049 Parts list

1 Intercooler tube

1 Coupler, Silicone hump, 3" Dia.

3 Clamps, Spring loaded T-bolt, 3.5" Dia.

1 Coupler, Silicone reducer

1 Bracket adapter

1 Screw, Hex head, M8 x 1.25 x 12

1 Washer, Lock, M8

Complete Kit
P/N: 46-20049



Step 1



Stock intercooler tube.

Step 2



Loosen clamps on the turbo outlet using 7/16" deep socket or wrench. Do not damage the clamp to the turbo housing, as it will be re-used.

Step 3



Remove the fasteners that attach the driver's side fender well forward portion. Pull back fender well and secure with steel wire or twine to access intercooler coupler.

Step 4



Loosen clamps on the intercooler elbow coupler using 7/16" deep socket with extension.

Step 5



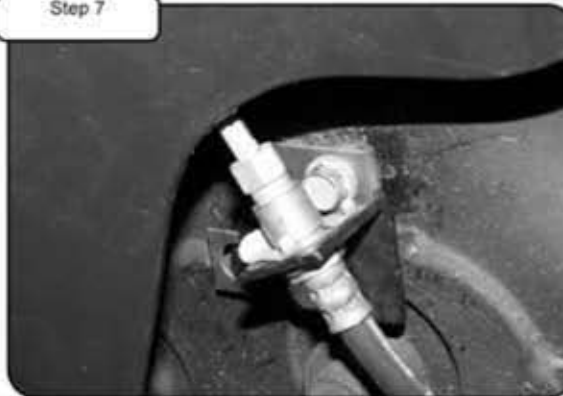
Remove the stock intercooler tube through the fender well.

Step 6



Remove brake line bracket from the frame at fender well using 13mm socket. Install bracket adapter supplied with original screw.

Step 7



Install brake line bracket to the bracket adapter with M8 hex head screw and lock washer supplied.

Step 8



Lightly coat inside surface of 3" DIA. silicone hump coupler with new/clean oil.



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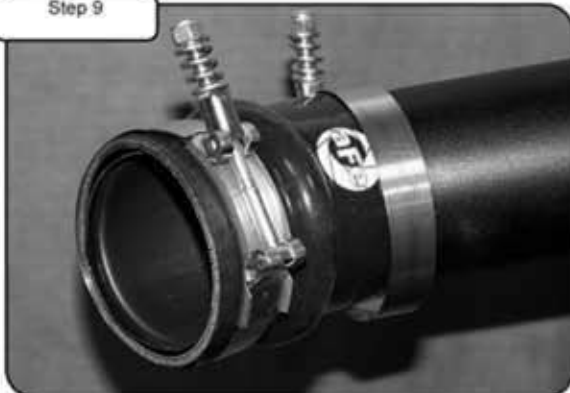
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Complete Kit
P/N: 46-20049



Step 9



Slide hump coupler and clamps onto intercooler tube end opposite aFe badge. Position coupler flush to tube end.

Step 10



Install the new aFepower intercooler tube through the fender well. A second pair of hands guiding intercooler tube from above is highly recommended.

Step 11



Install the silicone reducer coupler provided onto turbo housing. Install intercooler tube into coupler. Do not tighten clamps so the tube can move and flex to ease installation of coupler at intercooler inlet.

Step 12



Align tube end with intercooler inlet. Slide aFe coupler back off the tube to engage the intercooler inlet. Tighten and torque all clamps to 75 in-lbs. Re-install fender well.

Step 13



The charge air temperature may reach 400°F or higher at full load. Ensure wiring are routed away from intercooler tube. Your installation is now complete. Thank you for choosing aFepower!