



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

BladeRunner® Intercooler Installation Instructions: 2007.5-2009 Dodge Ram Cummins L6-6.7L (td)

Kit Part Number: 46-20031	Tools Required: 7/16" deep socket 10mm socket and wrench 13mm socket and wrench Torque wrench Ratchet w/ extension Steel wire	46-20031 Parts list 1 Intercooler 4 Screw, M8x1.25x12 4 Washer, lock, M8		
Make: Dodge				
Model:	Year:	Engine:		
Ram 2500	'07.5-'09	L6-6.7L(td)		
Ram 3500	'07.5-'09	L6-6.7L(td)		
Ram 4500	'08-'09	L6-6.7L(td)		
Ram 5500	'08-'09	L6-6.7L(td)		



Stock Intercooler. NOTE: Disconnect battery before install. Remove stock air box or intake system from vehicle for easier installation.



Remove plastic A/C line protector on passenger side. With 13mm socket or wrench. Now loosen the 4 bolts holding in A/C condenser.



Rotate the A/C condenser up and out away from vehicle. Take care to prevent damage to A/C lines.



With A/C condenser turned 90 degrees, secure to the vehicles lifted hood using steel wire.



With 10mm socket or wrench remove the 2 top intercooler attachment bolts connected to upper radiator support.



With 10mm socket and extension loosen the two bolts holding in radiator on back of upper radiator support.



Loosen and remove the 4 bolts holding in upper radiator support using 13mm socket or wrench.



Remove the upper radiator support and set aside on top of fan shroud.



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Step 9
Loosen clamps on intercooler tubes using 7/16" deep socket.



Step 10
Pull back coupler from intercooler. Now remove stock intercooler out of vehicle.



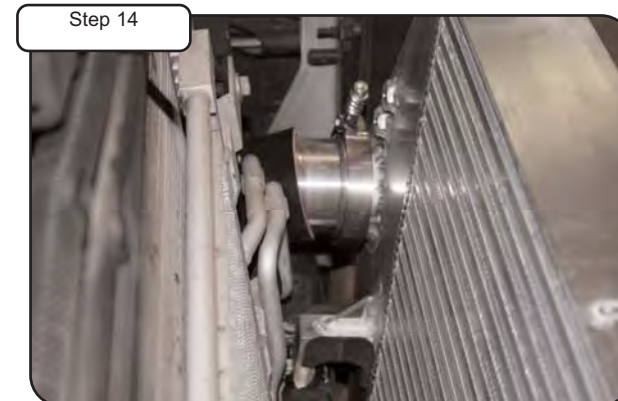
Step 11
Remove the two upper-rubber isolators with spacers from stock intercooler and install to new BladeRunner® intercooler.



Step 12
Remove the 2 U-shaped rubber isolators from stock intercooler and install to new BladeRunner® intercooler. **NOTE:** Tape isolators in place for easier installation.



Step 13
Now install BladeRunner® intercooler into vehicle.



Step 14
Position and make sure intercooler rubber U-shaped isolators sit square on cross beam and have not folded during installation.



Step 15
INTERCOOLER MAY NEED ALIGNMENT, TIGHTEN WHEN IN CORRECT POSITION & PROPER CLEARANCE. Re-install Radiator support (See reverse steps 5 through 8). Tighten and torque all clamps to 5 ft. lbs.



Step 16
Re-attach A/C condenser with supplied screws and lock washers. Re-install intake/ stock air box & re-connect battery. Your installation is now complete. Please check all screws and clamps periodically. Re-tighten if necessary. Thank you for choosing aFepower!