



advanced FLOW engineering™  
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# BladeRunner® Intercooler Installation Instructions: 2007.5-2009 Dodge Ram Cummins L6-6.7L (td)

<b>Kit Part Number:</b> 46-20031	<b>Tools Required:</b> 7/16" deep socket 10mm socket and wrench 13mm socket and wrench Torque wrench Ratchet w/ extension Steel wire	<b>46-20031 Parts list</b> 1 Intercooler 4 Screw, M8x1.25x12 4 Washer, lock, M8			
<b>Make:</b> Dodge					
<b>Model:</b>	<b>Year:</b>	<b>Engine:</b>			
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)			

Complete Kit  
 P/N: 46-20031



**Step 1**  
 Stock Intercooler. **NOTE:** Disconnect battery before install. Remove stock air box or intake system from vehicle for easier installation.



**Step 2**  
 Remove plastic A/C line protector on passenger side. With 13mm socket or wrench. Now loosen the 4 bolts holding in A/C condensor.



**Step 3**  
 Rotate the A/C condensor up and out away from vehicle. Take care to prevent damage to A/C lines.



**Step 4**  
 With A/C condensor turned 90 degrees, secure to the vehicles lifted hood using steel wire.



**Step 5**  
 With 10mm socket or wrench remove the 2 top intercooler attachment bolts connected to upper radiator support.



**Step 6**  
 With 10mm socket and extension loosen the two bolts holding in radiator on back of upper radiator support.



**Step 7**  
 Loosen and remove the 4 bolts holding in upper radiator support using 13mm socket or wrench.



**Step 8**  
 Remove the upper radiator support and set aside on top of fan shroud.

California vehicle code sections 27156 and 38391 prohibit the advertising, offering for sale, or installation of any device, which modifies a vehicle's emission control system unless exempted. Unless otherwise noted, aFePower have not received an exemption from these code sections and are not legal for sale or use in California on vehicles originally equipped with pollution-control devices. It is illegal, except for racing vehicles, which may never be driven upon a highway, to remove or otherwise render inoperative any emission control device on regulated motor vehicles. Check the aFe website to ensure proper application.





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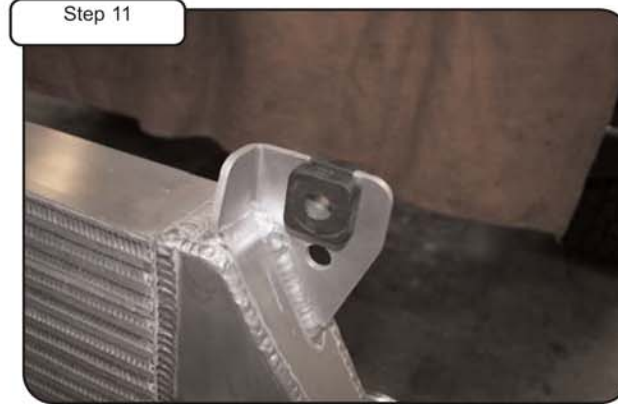
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Loosen clamps on intercooler tubes using 7/16" deep socket.



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



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



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



Now install BladeRunner® intercooler into vehicle.



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



**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.



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!

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