



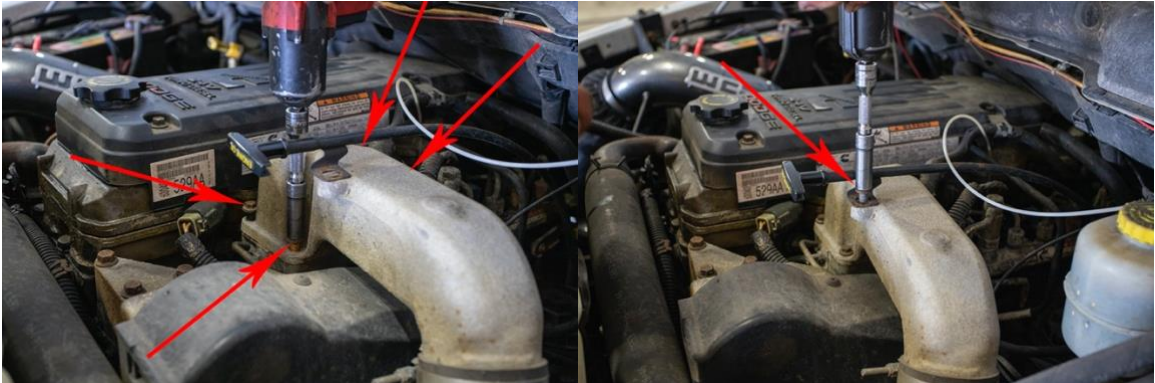
2003-2007 5.9L Cummins 3.5" High Flow Intake Horn & Intercooler Pipe Kit

Covers installation of PN: WCF100528

1. First, locate the packing list included with the kit and double check you have all items on the list.
2. Though it is not shown in these photos, we recommend leaving the bubble wrap on your piping until install is complete to help protect part finish from nicks and scratches during installation.
3. Disconnect the negative battery cables from both batteries.



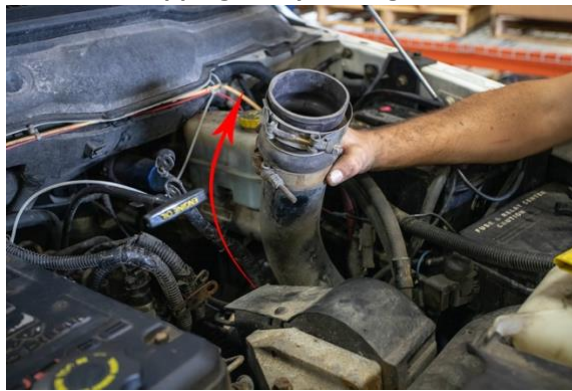
4. Loosen Clamps at intercooler outlet connection and at the intake horn connection.



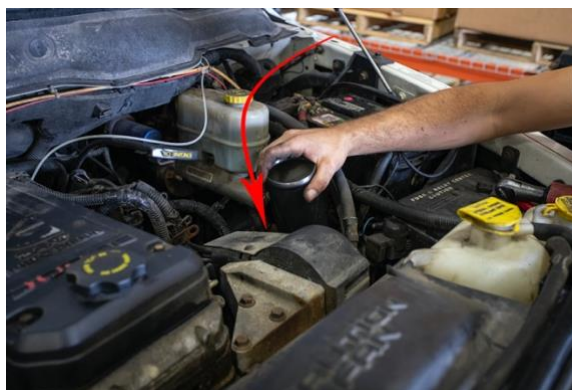
5. Using a 10mm socket and extension, remove intake horn bolts and disconnect dipstick support bracket.



6. Remove wire harness retainer from stud on back of intake horn and then remove intake horn.
NOTE: Before removal of horn make sure the area around the horn is clean and clear of debris to prevent foreign material from dropping into your engine.



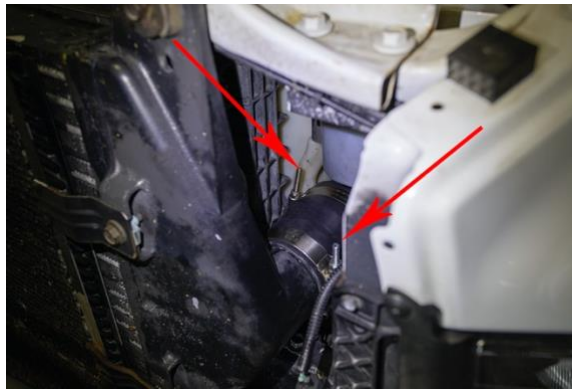
7. From front of truck, disconnect OEM pipe from intercooler outlet. Remove pipe through top of engine compartment by pulling towards firewall and lifting while rotating the top forward.
8. WCFab recommends use of transmission assembly lube (such as Trans-Jel or Dr. Tranny's Assemblee Goo) on the pipe and boots to aid fitment and prevent damage to components during installation.
9. Install 3" to 3.5" reducer boot onto intercooler outlet.



10. Install new intercooler pipe from the top of the engine bay reversing step 7 above. Note: Use care during this step, the new pipe is larger in diameter so there is less space around the piping.



11. Your new 3.5" diameter pipe and reducer boot make for tight quarters at the intercooler outlet connection. To install clamps, remove the clamp nuts and fully open the clamp assembly in order to slide them in from the front then reassemble onto the boot.



12. Install rear pipe clamp first matching orientation shown in the image above which is necessary for access to tighten clamps later. Next install intercooler clamp again matching above orientation. Adjust pipe as necessary to intercooler boot connection to ensure proper sealing and clamp placements to the pipe bead roll. Leave clamps loose for adjustment of upper pipe joint to meet the intake horn. Install upper boot and clamps on new intercooler pipe. Leave clamps loose for adjustment.



13. **2003-2004 Model Install Note:** *Your new intake horn is larger than the stock piece it is replacing. The smooth radius bend on the new part requires the plastic shroud over the throttle assembly on earlier trucks to be trimmed for fitment. Setting the horn in place, use a paint pen to mark the necessary trim area on your truck. Remember, you can always trim more but there's no going back once material is removed.*



14. Install new 3.5" Intake Horn. **Note: If you are using the WCFab grid heater plate, the supplied lead gasket will not be used.** The front right hole of the horn is slotted so the bolt may be started to locate the part. Slide horn into place and re-install reversing steps 5 and 6 outlined above. Make sure to seat into boot on intercooler pipe before tightening assembly. Wire harness retainer stud installs into rear most port under horn. Install supplied pipe plugs into any unused additional unused 1/8" NPT auxiliary ports (for boost, water meth, etc.). Adjust piping as necessary for proper joint, sealing, and clamp placement.
15. Tighten clamps at intake horn and intercooler connection to finish assembly.
16. Remove bubble wrap from piping and clean any fingerprints with damp microfiber cloth.
17. Reconnect battery cables.
18. Start truck and check for any leaks after some idle time. Boost testing is recommended after installation and service of this part.

Any Questions, Comments, or Feedback?

Reach us by Email- Sales@wcfab.com

Or the shop phone- 630-277-8239

Thank you for purchasing from Wehrli Custom Fabrication!