



2017-2024 6.7L Power Stroke Coolant Tank Kit with Battery Box

Covers installation of PN: WCF100203



1. Disconnect negative terminal on both batteries before starting install.



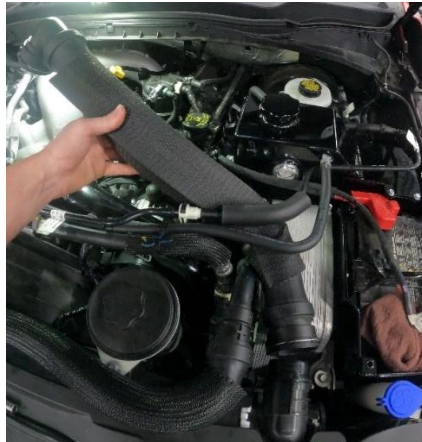
2. Remove battery hold down bracket and remove battery.



3. Drain primary cooling system through petcock located on lower driver side of radiator.



4. Remove upper coolant hose.



5. Release the locking clip at the hot side charge pipe turbo connection using two long flat blade screwdrivers.



6. Remove the 10mm bolt and 10mm nut holding dipstick in place and move it aside.



7. Disconnect sensor from hot side charge pipe (HO Models) and remove charge pipe starting at turbo side.



8. Disconnect coolant hose going to EGR.



9. Unclip vacuum line connector and remove clip from coolant tank. Then you can unclip vacuum solenoids from rear of tank and push back.



10. Unclip battery cable retainer from coolant tank and set cables to the side.



11. Disconnect lower coolant hose from tank.



12. Remove two 13mm mounting bolts from battery box to intercooler.



13. Lift intercooler up until lower tab clears its pocket, then push intercooler towards engine and away from battery tray.



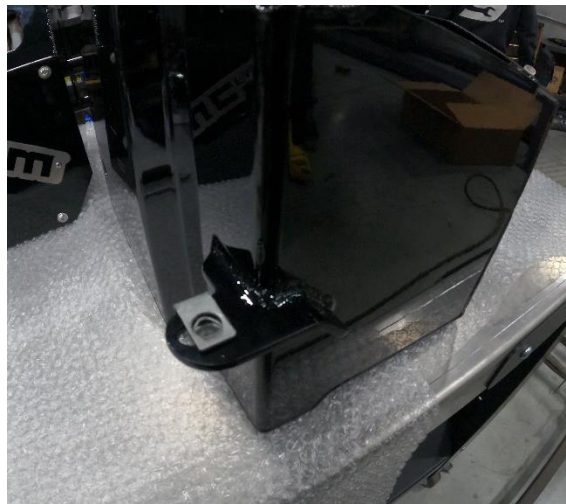
14. Remove four 13mm mounting bolts from battery box.



15. Lift battery box/coolant tank assembly up and out of truck.



16. Install new supplied M8 J nut onto battery box tab for intercooler.



17. Remove rubber bushing from intercooler mount on original battery box.



18. Install rubber busing into new battery box, then install supplied sleeve into rubber busing from the inside of battery box.



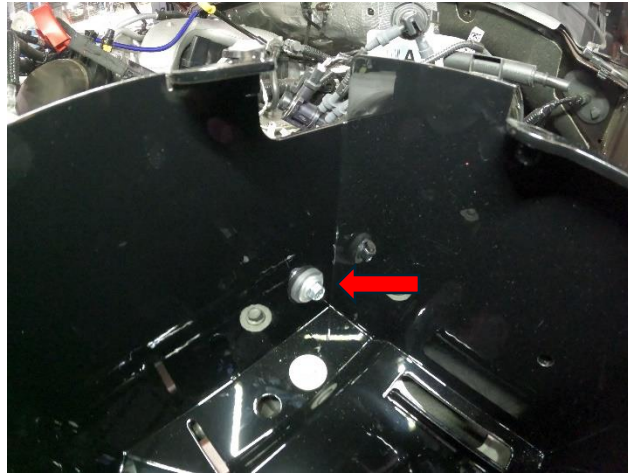
19. Drop new battery box into position and start all 4 bolts before tightening any down.



20. Lift intercooler back into position, making sure lower alignment tab is fully seated.



21. Secure intercooler to battery box with one OEM bolt and supplied 13mm M8 bolt through rubber bushing.



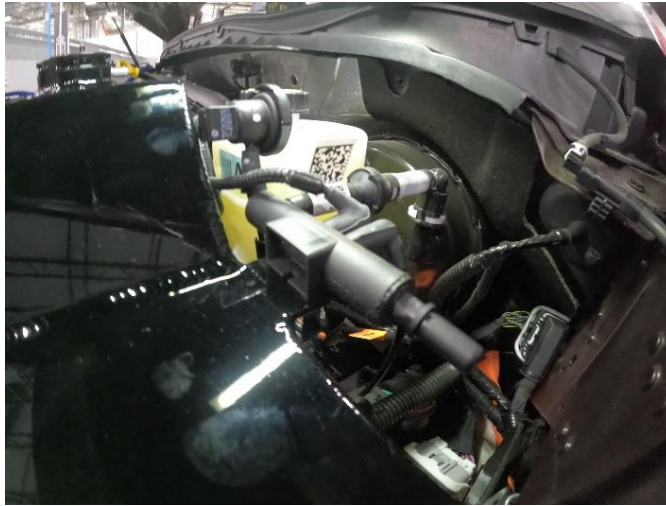
22. Install supplied M6 clip nut to outer tab on coolant tank.



23. Set coolant tank into position & use supplied M6 hardware to mount coolant tank, but don't fully tighten them yet.



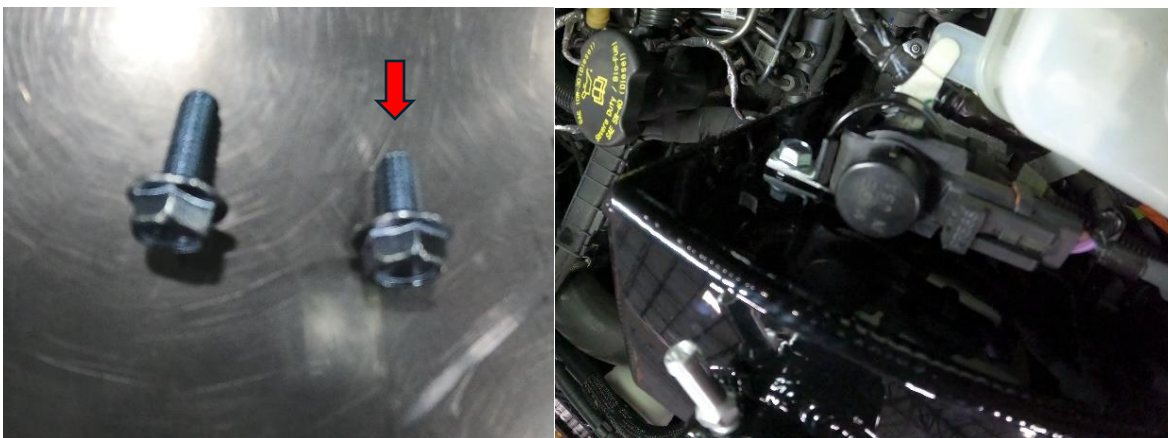
24. Tighten mounting bolts, starting with lower two on side of battery box.
25. Clip in vacuum at rear of coolant tank.



26. Wrap supplied larger isolator clamp around vacuum solenoid with tab facing engine.



27. Use shorter M6x12mm bolt to mount vacuum solenoid to back of coolant tank.



28. Reconnect lower coolant hose.



29. Install battery using factory bracket and nuts.



30. Remove plastic shield from battery cables.



31. Install small isolator clamp on battery cables & secure to tank with supplied M6 bolt.



32. Reconnect tank to EGR coolant hose.



33. Reconnect vacuum line to port behind coolant tank.



34. Install coolant overflow hose, some trimming may be required for perfect fitment.



35. Reinstall hot side charge pipe.



36. Reinstall upper radiator hose.



37. Reconnect battery terminals on both batteries.



38. Install battery box lid.



39. Top off the cooling system and start the engine. Run at idle for about 15 minutes to check for leaks and let air escape from the cooling system. Install the cap and test drive. **Please note you have to top off the cooling system a few times, as air may still be in the system.**



Any Questions, Comments, or Feedback?

Reach us by Email- Sales@wcfab.com

Or the shop phone- 630-277-8239

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