



## 2017-2026 L5P Duramax Y-Bridge Kit

Covers Installation of PN: WCF100171



1. Disconnect batteries before beginning install.



2. Disconnect MAF sensor from intake pipe.



3. Remove intake tube and filter.



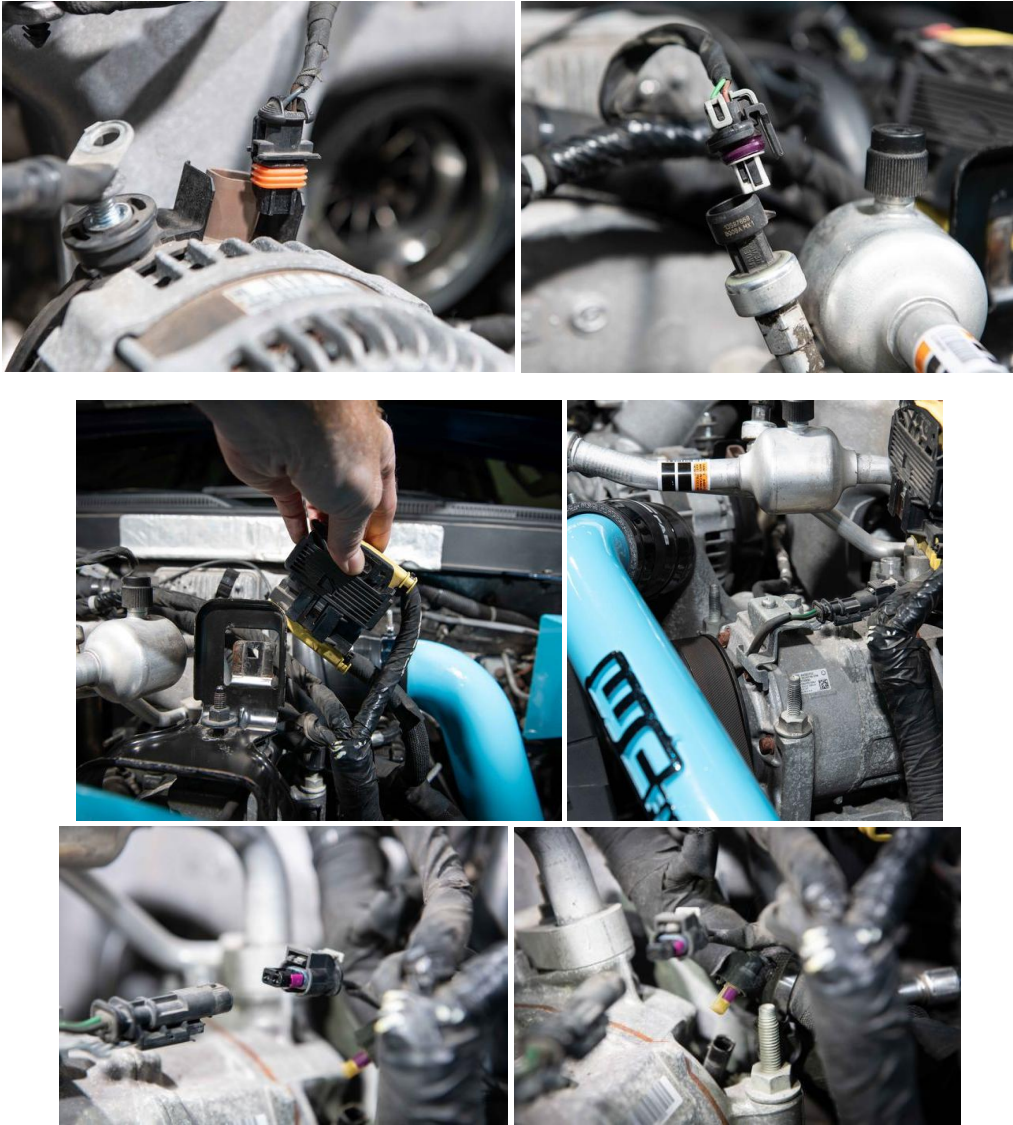
4. Remove PCV tube from intake horn.



5. Using a long 1/4" extension and swivel socket, remove two 13mm nuts holding intake horn in place and remove intake horn from engine.



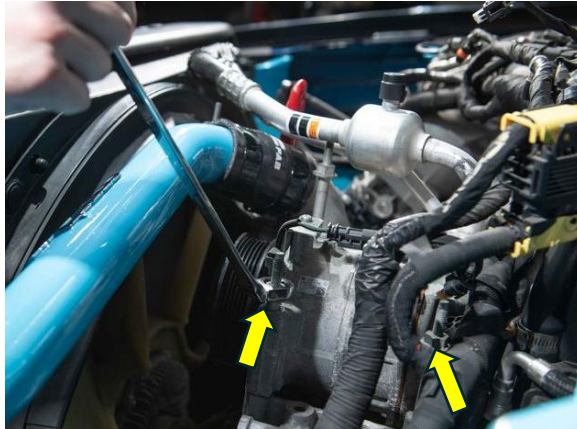
6. Disconnect wiring from alternator and AC compressor before removing wiring harness bracket hardware (10mm & 13mm).



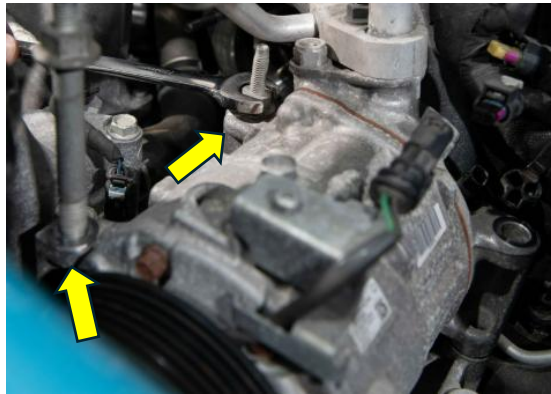
7. Remove serpentine belt from alternator and AC compressor.
8. Remove two 15mm bolts before removing alternator.



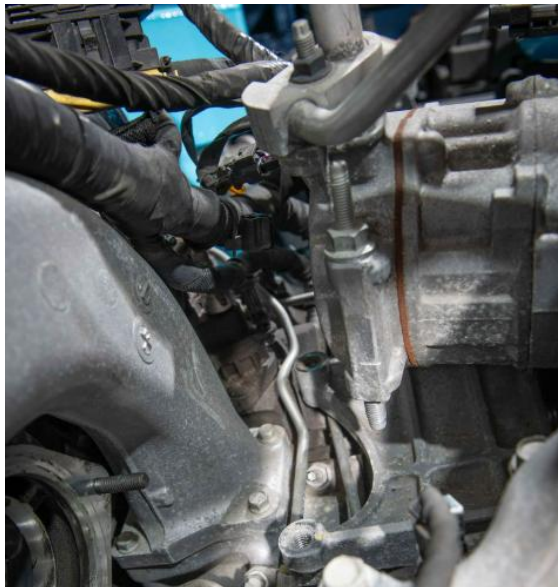
9. Remove two 15mm driver side AC compressor bolts.



10. Loosen rear passenger side 15mm bolts & hold AC compressor to ensure AC line isn't damaged.



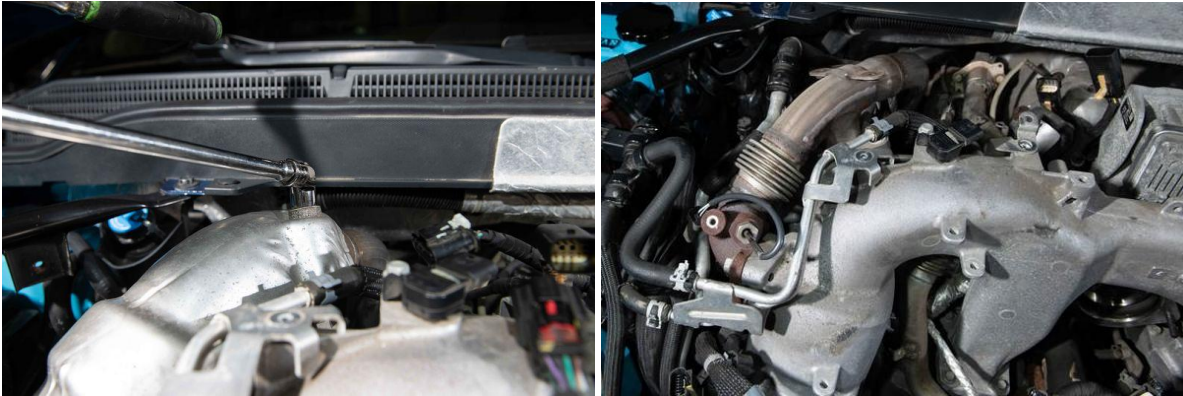
11. Leave two passenger side bolts in compressor and slide it forward out of the way.



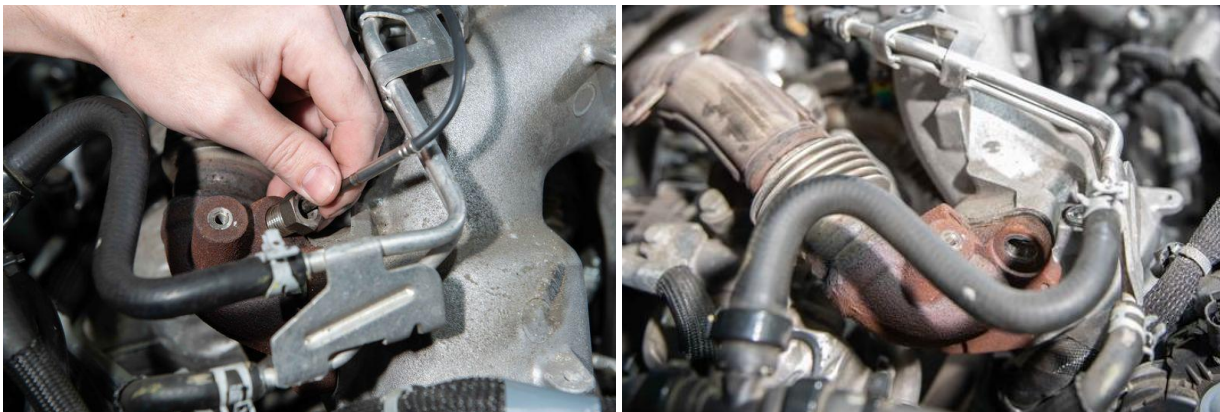
12. Remove all electrical connectors from y-bridge and move out of the way.



13. Remove heat shield from EGR pipe by removing 10mm hardware.



14. Remove sensor from EGR pipe and remove two mounting bolts (17mm & 13mm).



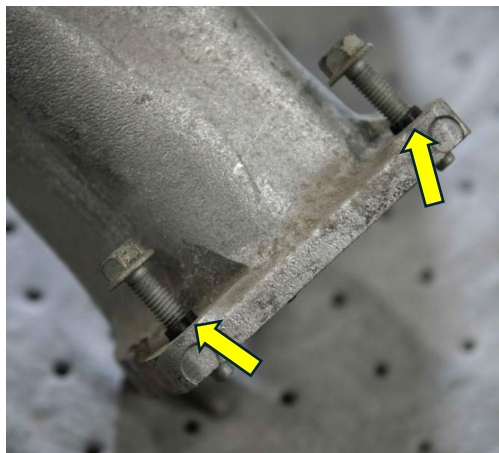
15. Loosen clamp/clip (depending on pipe installed) at passenger intercooler pipe to throttle valve.



16. Remove eight 10mm bolts holding y-bridge in place and lift out of engine bay.



17. Remove rubber retainers from old intake to be used with supplied hardware to install new WCFAB y-bridge.



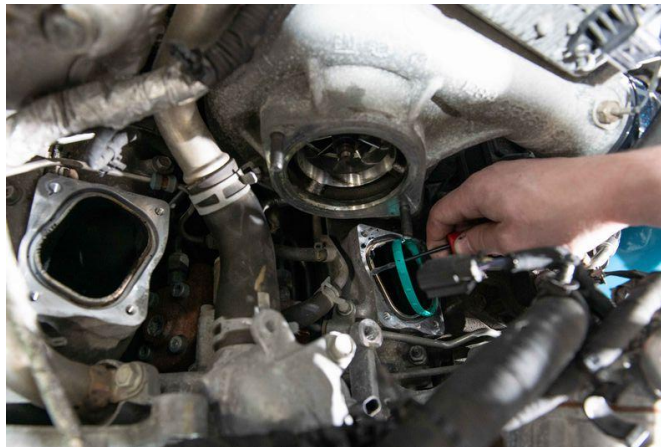
18. Swap MAP sensor into WCFA y-bridge & install supplied bung in second port if needed (3mm).



19. Install supplied o-ring into intake air valve portion of y-bridge and install intake air valve using factory torque specs (89IN-LBS) on 10mm bolts.



20. Install new supplied y-bridge gaskets on engine side after removing old ones.



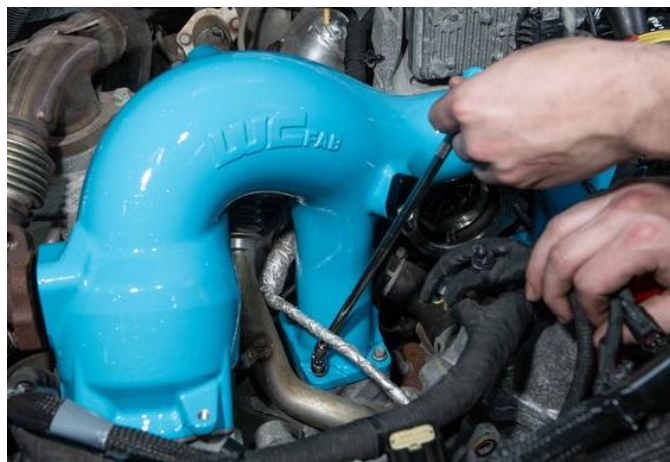
21. Remove pins from factory EGR tube using a small punch and remove gasket. Pins and gasket WILL NOT be reused.



22. Set y-bridge down into engine bay while lining up intercooler pipe.



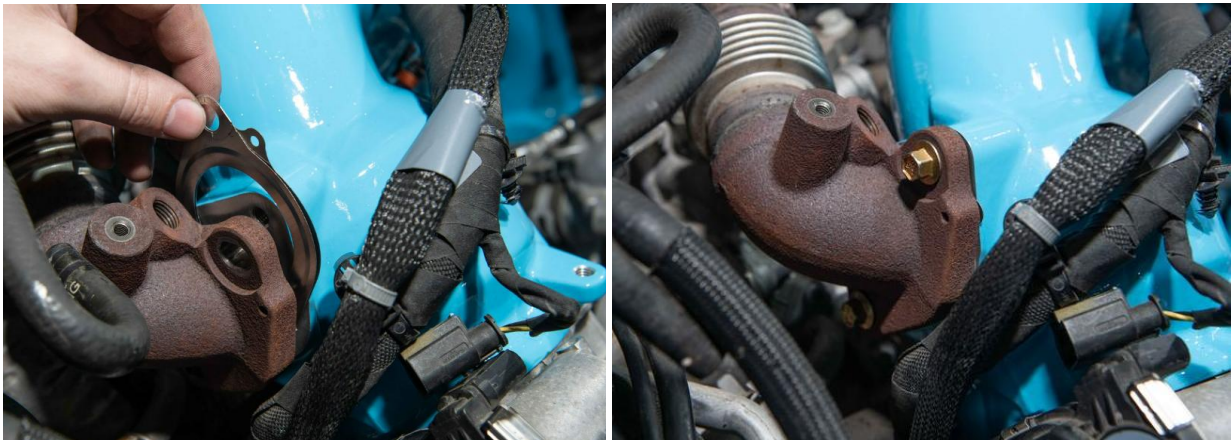
23. Install all eight 10mm factory bolts and torque to (89IN-LBS).



24. Fully seat passenger side intercooler pipe onto throttle valve with either clip or boot/clamp connection depending on which pipe you have installed.



25. Slide new EGR gasket into place & secure with two included 10mm bolts torqued to 89IN-LBS.



26. Reinstall alternator and fasten with 15mm bolts torqued to 37FT-LBS.



27. Reinstall AC compressor and serpentine belt & connect plugs on AC compressor and alternator.



28. Reinstall intake horn with 13mm hardware torqued to 18FT-LBS and reconnect PCV hose.



29. Reinstall bracket on AC compressor with 13mm bolts torqued to 37FT-LBS.



30. Reconnect main harness connections around y-bridge & EGR sensor.



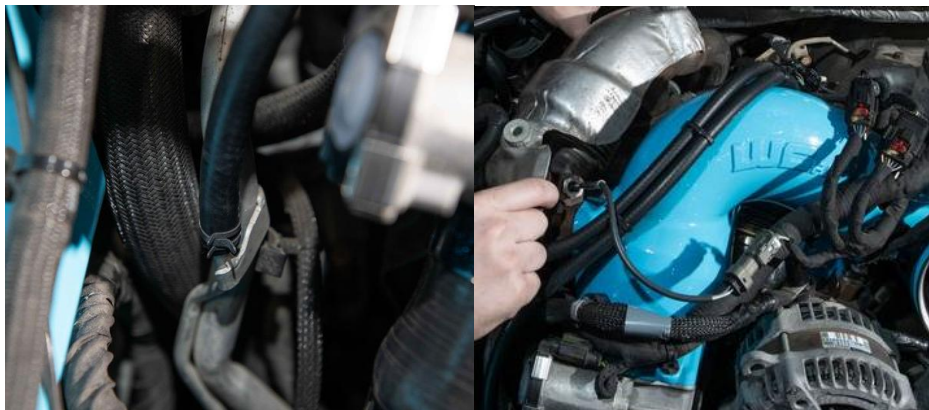
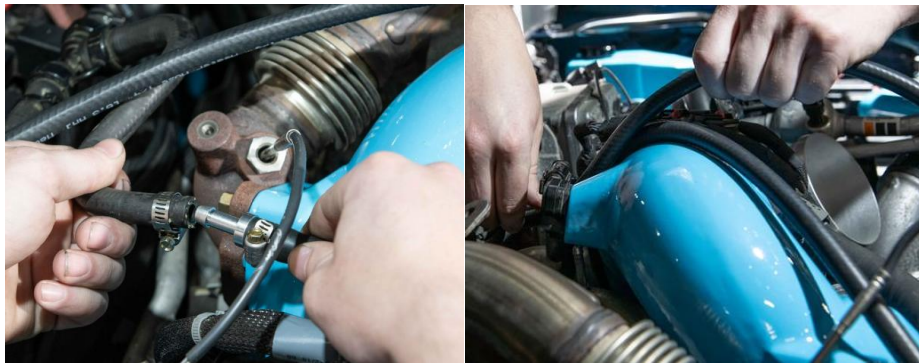
31. Drain coolant from petcock on bottom passenger side of radiator.



32. Remove OEM coolant hard pipe & hoses.



33. Using supplied hoses, barb fittings and clamps, run new rubber hoses around and towards back of new y-bridge. Once routed cleanly, trim hoses to desired length and zip tie together.



34. Reinstall EGR tube heat shield with 10mm bolts torqued to 89IN-LBS.



35. Reinstall air intake tube & airbox lid.



36. Refill coolant system.

37. Reconnect batteries and start truck to check for any leaks and top off coolant as needed. Leave coolant tank cap off for around 20 minutes while letting the truck idle and purge air out of the system. After the first drive, check coolant level again and top off if needed, making sure no leaks are present.

38. At this point, it is strongly recommended to complete a boost test to ensure there are no active leaks in the newly installed piping. If you don't have one, we offer one on the website (Part #CPS200598) shown below. After the first heat cycle, we recommend doing a final check over to ensure no leaks are present still.



Any Questions, Comments, or Feedback?

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Or the shop phone- 630-277-8239

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