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I N J E C T I O N

— DIESEL PERFORMANCE —

1994-2002 Dodge Cummins
12/24 Valve Twin Turbo Install Instructions



1-800-955-0476
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Parts list

- 1. S400 TURBO CHARGER
- 2. 4" WRAPPED DOWN PIPE
- 3. HOT PIPE WRAPPED WITH SUPPLIED HARDWARE
- 4. COLD PIPE WITH CLAMP AND O-RING
- 5. TURBO SUPPORT BRACKET AND HARDWARE
- 6. HOSE KIT
- 7. Y OIL DRAIN AND O-RING
- 8. 5" INTAKE AND FILTER
- 9. BATTERY TRAY AND HARDWARE
- 10. HEAT SHEILD
- 11. 4" 45 degree Pipe
- 12. 4" Band Clamp
- 13. 5" Exhaust Clamp

Inspected By:

Dodge 12/24 Twin Turbo Kit

1. Disconnect both batteries and remove battery & tray on passenger side of the truck.
2. Remove air filter assembly and down pipe out of the vehicle.
3. Remove oil filter.
4. Remove motor mount bolt using a 15mm.
5. Remove negative ground wire from block.
6. Disconnect and remove oil drain from block and replace with new double oil drain and new O-ring make sure to grease new oil rings.
7. Drain Antifreeze from engine and radiator
8. Install turbo support bracket tight snug ,DON'T TIGHTEN TIGHT. 12v trucks use the supplied spacer and new bolt 24v does not need spacer behind bracket use stock bolt
9. Remove both upper coolant tubes and hoses from firewall.
10. Cut stock insulation off firewall above new turbo and install new heat shield cut in half and stick in place save the other half for battery box.
11. Install new steel braded coolant lines with new clamps.
13. Install hot pipe using stock clamp and T6 gasket and supplied bolts NOTE: install one bolt up through the exhaust housing as shown in picture.
14. Once hot pipe bolts are tight and is adjusted away from the firewall tighten both exhaust housing clamp and clamp on stock turbo then tighten turbo support bracket bolt tight.

16. Remove plug from top of oil filter housing and install new oil feed line fitting using Teflon tape.
17. Install 45 Degree fitting into top of new turbo using Teflon tape.
18. Install oil filter.
19. Install 4" cold pipe using rubber boot and clamps make sure to install rubber O ring in flange and adjust pipe and compressor housing and tighten clamps.
20. After 4" cold pipe is tight and adjusted tighten compressor housing clamp.
21. Install air filter Assembly using 5" boots and chrome 90 degree and new clamps. Note some application require you to relocate horn in the bottom of passenger truck so there is more room for filter.
22. Install down pipe using supplied 5" clamp. Using the 45 degree 4" pipe you may need to cut to proper length for precise fit and tighten using band clamp.
23. Install battery box using stock bolt in the fender and using the stock nut. Using the remaining heat shield put on the face of the batter box. Connect and route ground and positive battery cables as needed away from turbo.
24. Install battery using stock battery bracket along with new battery bracket and bolts and using stock clips off stock batter tray and secure battery.
25. Add coolant and check for oil at the turbo feed line on new turbo when tuck is first started. Check for leaks





1. Disconnect both batteries and remove battery & tray on passenger side of the truck.
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4. Remove motor mount bolt using a 15mm.



5. Remove negative ground wire from block.



6. Disconnect and remove oil drain from block and replace with new double oil drain and new O-ring make sure to grease new oil ring.



7. Drain Antifreeze from engine and radiator



8. Install turbo support bracket tight snug ,DON'T TIGHTEN TIGHT. 12v trucks use the supplied spacer and new bolt 24v does not need spacer behind bracket use stock bolt





9. Remove both upper coolant tubes and hoses from firewall.
10. Cut stock insulation off firewall above new turbo and install new heat shield cut in half and stick in place save the other half for battery box.



12 Valve Coolant Lines



11. For 12 valves install new steel braded coolant lines with new clamps.



24 Valve Coolant Lines



11. For 24 valves install new steel braded coolant lines with new clamps.





12. Install big turbo on support bracket with exhaust and compressor housing clamps loose so housing can rotate use new oil drain gasket and bolts supplied and tighten tight.



13. Install hot pipe using stock clamp and T6 gasket and supplied bolts NOTE: install one bolt up through the exhaust housing as shown in picture.



14. Once hot pipe bolts are tight and is adjusted away from the firewall tighten both exhaust housing clamp and clamp on stock turbo then tighten turbo support bracket bolt tight.

15. Install new steel braded oil drain and stock turbo drain and tighten clamps. NOTE: Some applications may need to cut hose to proper length make sure drain hose has enough slack to flex with motor.



16. Remove plug from top of oil filter housing and install new oil feed line fitting using Teflon tape.



17. Install 45 Degree fitting into top of new turbo using Teflon tape. Install oil feed line.
18. Install oil filter.

19. Install 4" cold pipe using rubber boot and clamps make sure to install rubber O ring in flange and adjust pipe and compressor housing and tighten clamps.



20. After 4" cold pipe is tight and adjusted tighten compressor housing clamp.



21. Install air filter Assembly using 5" boots and chrome 90 degree and new clamps. Note some application require you to relocate horn in the bottom of passenger truck so there is more room for filter.



22. Install down pipe using supplied 5" clamp. Using the 45 degree 4" pipe you may need to cut to proper length for precise fit and tighten using band clamp.

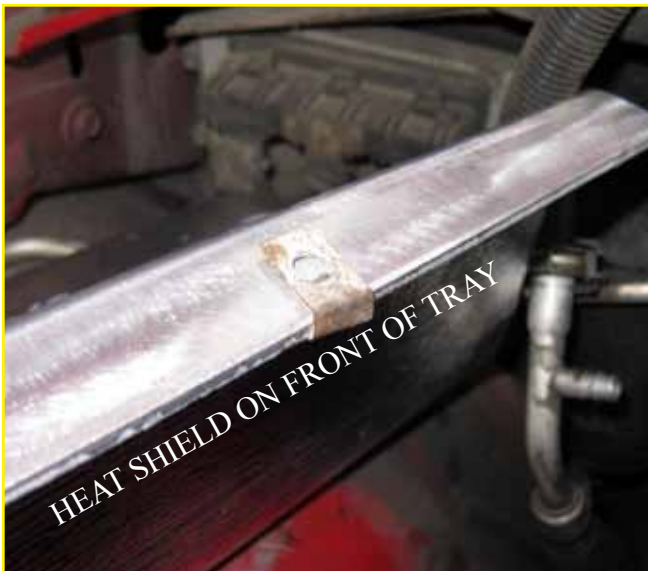


23. Install battery box using stock bolt in the fender and using the stock nut. Using the remaining heat shield put on the face of the batter box. Connect and route ground and positive battery cables as needed away from turbo.



Note: Use this stud and nut for battery tray

24. Install battery using stock battery bracket along with new battery bracket and bolts and using stock clips off stock batter tray and secure battery.



25. Add coolant and check for oil at the turbo feed line on new turbo when truck is first started. Check for leaks





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