



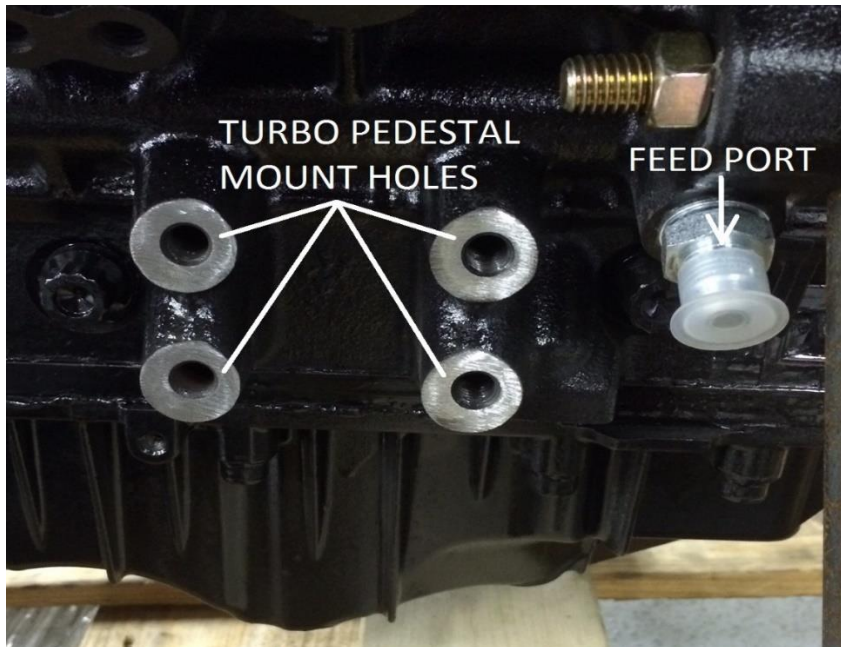
## Single Turbo Oil Line Install

Overview- Installation instructions for single turbo oil feed and drain line. These instructions compliment all WCFab single turbo install kits as well as s300/s400 twin turbo kits for 2001-2016 Duramax.

1. First check over the included packing list to be sure you have all items on the list in the bag.

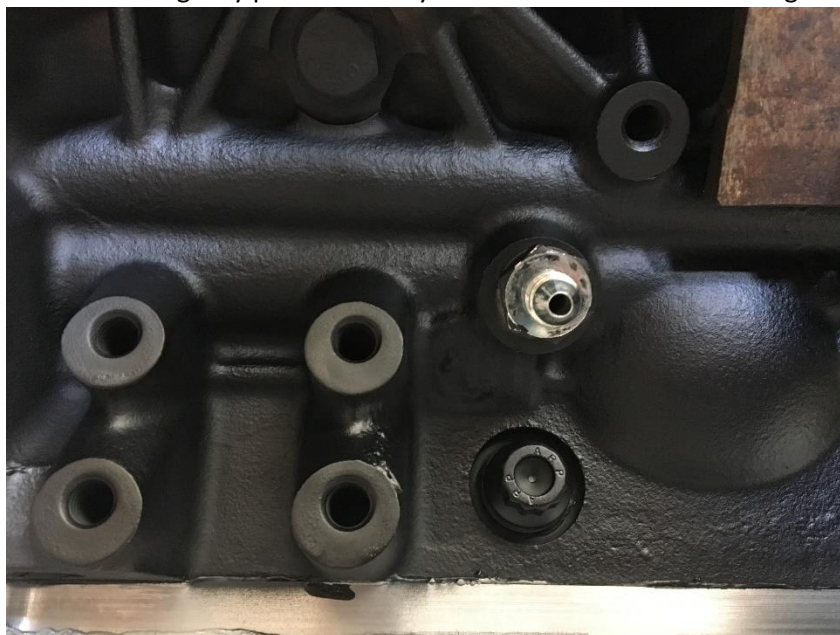


2. On the passenger side front of the engine block you will see four bolt holes, the two forward most holes will have ground cables connected to them. Just in front of the upper right hole is a 19mm hex head oil galley plug. Remove the oil galley plug and a small amount of oil will drain from the hole. You can now install the Supplied 14mm O-ring Boss fitting supplied in the bag. Snug up the fitting, do not over tighten!



3. *(Single Turbo Install skip to step 4)*

On Twin Turbo applications, the high pressure (Valley) turbo will get its oil feed from the driver side of the engine block in the same form as the large turbo does from the passenger side. You will see four holes on the driver side with the oil galley plug just behind them, as shown below. This oil galley port is where you will install the 14mm O-ring boss fitting.



4. Next locate the 1/4" NPT X #4 JIC straight fitting. Apply Teflon Paste (**DO NOT use teflon tape!**) to the threads and install into the turbo's center section feed port.
5. Moving to the drain line installation; Locate the rear cover billet oil drain fitting and install fitting with gasket to rear engine cover and then connect drain line as shown below. Snug the drain line in position so that the "natural bend" of the stainless hose points the opposite end up towards the cowl. This picture also shows the 16mm block off plug that is installed



just next to the drain port to block off the OEM turbo feed location for 2011-2016 models.  
(2001-2010 models see next step for feed port block off location)



6. On 2001-2010 models, the OEM turbo feed line is in the valley center of the block. You will install the supplied m12 fitting here to block this port.



7. Next locate the billet turbo drain flange. The drain flange can be installed on the turbo center section with the supplied Allen head or hex head flange bolts and gasket as shown.



8. Your turbo pedestal and exhaust housing can be installed on the engine block. When installing the turbo center section into the exhaust housing is the best time to connect and tighten the drain line to the bottom of the turbo.
9. The oil feed line can now be installed from the port on the engine block to the Turbo center section. Be sure to pre-lube the turbo with oil before installing the oil line to turbo.

Any Questions, Comments, or Feedback?

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