

## INSTALLATION INSTRUCTIONS

### PRODUCT: CUMMINS TURBO DRAIN TUBE KIT FOR S400 TURBOCHARGERS

FPE-2023-95  
May, 2023

**FITMENT:** Universal – Intended for use on Cummins engines with an S400 style turbocharger (verify fitment and required length for your application)

**KIT P/N:** FPE-CTDT-KIT

#### KIT CONTENTS:

Item	Description	Qty
1	Drain Tube (20" end-to-end)	1
2	Cummins turbo drain tube adapter (FPE-CTDA-10AN	1
3	Turbo drain flange adapter (FPE-78-14-TDA)	1
4	7/8-14 to -10AN fitting (FPE-34805-A)	1
5	M10 x 1.5 flange head bolts	2
6	M8 x 1.25 flange head bolts	2
7	3/8"-16 flange head bolts	2



#### APPLICATION NOTES:

- This is a universal turbo oil drain tube with a total length of 20". Verify it will work for your application prior to attempting installation.
- The engine block port where the oil drain tube inserts has a high tendency to corrode over time. Thorough cleaning with Scotchbrite or sandpaper is required to create a clean sealing surface for the turbo drain adapter to install into the block.
- Reference the images on page 2 for proper orientation of the adapter fitting and adapter flange.
- Do not use an additional gasket between the turbo drain flange and turbocharger housing.

If your Cummins application uses a stock turbocharger or aftermarket replacement style turbocharger, then this is not the proper kit for your application. The following kits are available for Cummins equipped Ram trucks:

- MY 2003-2007, P/N: FPE-CTDT-CW-KIT
- MY 2007.5-2018, P/N: FPE-CTDT-VGT-KIT
- MY 2019-2022, P/N: FPE-CTDT-19-KIT

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DRAIN TUBE LAYOUT. SELECT THE APPROPRIATE BOLT AND THREAD SIZE FOR YOUR APPLICATION, THREE OPTIONS ARE INCLUDED IN THE KIT. ONLY TWO BOLTS WILL BE UTILIZED TO ATTACH THE TURBO DRAIN FLANGE ADAPTER TO THE TURBOCHARGER HOUSING. THE SEALRING SIDE OF THE FLANGE WILL BE TOWARDS THE TURBOCHARGER.



ENSURE THAT THE O-RING SIDE OF THE ADAPTER FITTING IS THREADED INTO THE TURBO FLANGE ADAPTER. THE FLARE SIDE OF THE ADAPTER FITTING WILL BE TOWARD THE DRAIN LINE. IF THE FITTING IS REVERSED, THE LINE WILL LEAK.



THOROUGHLY CLEAN THE BORE IN THE ENGINE BLOCK WITH SCOTCHBRITE PRIOR TO INSERTING THE DRAIN TUBE ADAPTER. LUBRICATE THE ORINGS AND FITTING LIGHTLY WITH GREASE PRIOR TO INSERTING.

