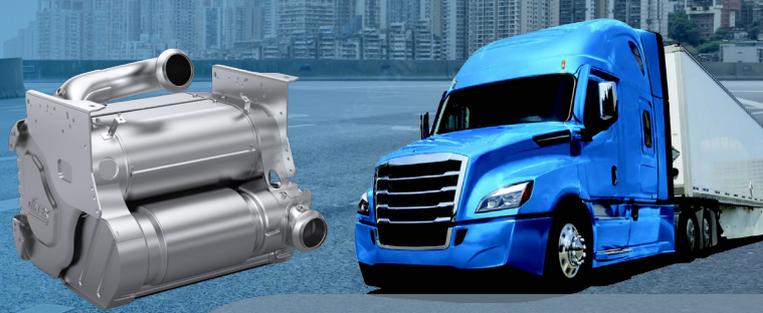


DPF Installation Guide



going the extra mile

Your Partner in Exhaust and Emission



NOTICE: This guide is intended to be used for all Freightliner and Western Star EPA 10/14/17 model trucks that have a OneBox Aftertreatment System.

Service tools used in the procedure:

- Torque Wrench
- 6 mm Hex bit Socket (V-Band DINFIT- Dinex Clamp)
- 8 mm Hex bit Socket (Flat-Band DINFIT- Dinex Clamp)
- Pry Bar or Long Screwdriver

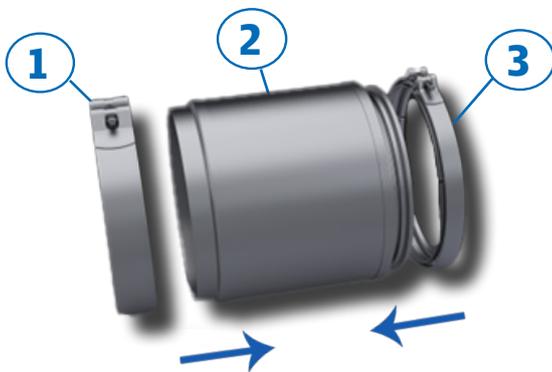


• STEP 1:

Clean mating surface for the Diesel Particulate Filter (DPF) and OneBox, flat band, and V-band clamp areas.

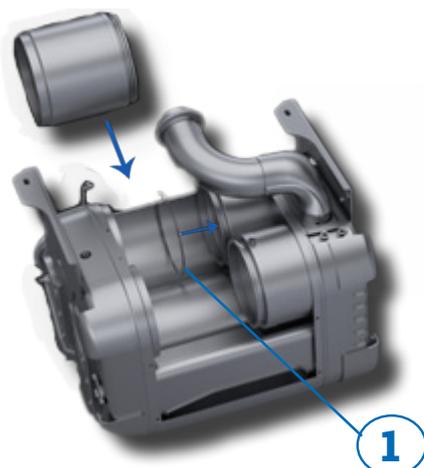
• STEP 2:

Slide the new V-band (3) and the flat band clamp (1) inward on the inboard DPF (2).



• STEP 3:

Install a new V-band gasket (1) on the Diesel Oxidation Catalyst (DOC) outlet.



Ensure the gasket is correctly located between the flanges at the V-band DPF/OneBox joint position.

• **STEP 4:**

Slide the flat band clamp (Integrated Gasket) to the correct location at the DPF/OneBox joint location. **IMPORTANT:** Ensure the flat band clamp is correctly positioned in the center of the joint interface; refer to the pictures below for reference.



• **STEP 5:**

The flat band clamp should be the first clamp to be tightened and torqued to set desired DPF alignment to ensure a leak proof install. Slide the inboard V-band clamp into the correct location (DOC Outlet), then start to hand tighten the nut on the V-band clamp. You should maintain alignment on the V-band side using the pry bar.



Once the V-band and flat band clamps are correctly located and all the components are aligned; torque both clamps to the specified torque specs below. Torque specs are also stamped on the body of the clamp.

V-band 24 to 27 N-m (18 to 20 lb.-ft) for DINFIT Dinex Clamp.

Flat-band clamp 51 to 54 N-m (38 to 40 lb.-ft) for DINFIT Dinex Clamp.

• **STEP 6:**

Repeat the same process for the DPF which located in the 2nd lane.

• **STEP 7:**

Install the heat shields, (1) and (2). Torque 10 bolts to 10 to 12 Nm (88 lb.-in to 106 lb.-in).

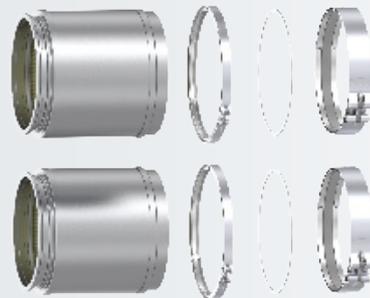


• **STEP 8:**

If you are replacing DPF's with a new or remanufactured core, use DiagnosticLink to reset the ash accumulator. This ensures the synchronization of ash volumes between the common power-train controller (CPC) and the motor control module (MCM) while also resetting the accumulators for Diesel Particulate Filter (DPF) / Diesel Oxidation Catalyst (DOC) temperature.

For Dinex DPF's, please use the below serial numbers.

EPA 10, 14, 17 DD Platform
124 xxxxxxxxxxx (replace 11 digits with "0")



Please contact our technical support for assistance.



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