

FLA COE
FLB COE
FLD Conventional
Business Class
FLC 112 Conventional

Century Class Conventional
Argosy COE
Cargo
Columbia
122SD and Coronado

Business Class M2
> Cascadia
108SD/114SD
New Cascadia

Freightliner
Service Bulletin

Overview

The DT12 transmission is available with a rear mounted PTO prep option. The option includes all the vehicle wiring and transmission elements needed to support the PTO without the addition of the PTO hardware on the transmission. Check the information in PartsPro MOD 362, to confirm the vehicle being fitted with the PTO was ordered with the prep option.

WARNING

Mounting a PTO to a DT12 transmission is supported only for GHG17 vehicles. Adding a PTO to older models, or current models that were not ordered with PTO or PTO prep, will not work or may function incorrectly. Vehicle and transmission warranty will be affected by installing an unsupported option, and could be dangerous.

The additional hardware needed to complete the installation includes the PTO, a transmission oil pump drive shaft, and a selection of shims. All the required components are available as three separate kits:

- PTO assembly (includes the PTO service part)
- PTO installation kit (includes the bolts, seals, oil pump driveshaft assembly, and oil pump thrust plate)
- Oil pump shim kit (includes the five most common shims required)

NOTE: Some chassis air system components may also be required.

Installation Information

Transmission

The installation process includes removing the non-PTO oil pump cover and oil pump driveshaft, determining the oil pump shim needed, and installing the PTO. For the detailed procedure, refer to www.DDCSN.com, under the *Transmission* category.

Chassis

The wiring and air line connections are detailed in MODs 906 and 372, and in PartsPro for VINs spec'd with PTO and PTO prep.

Parts

The PTO part numbers are included in the transmission Bill of Material (BoM) for the PTO equipped VINs, MOD 342. See [Table 1](#) to find the BoM table that provides the PTO version of each non-PTO transmission, which is used for PTO prep vehicles.

BoMs	
Non-PTO BoM	PTO BoM
342-C92292	342-C93063
342-C92772	PTO parts from 342-C92880
342-C92720	PTO parts from 342-C92880
342-C92058	342-C92880

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BoMs	
Non-PTO BoM	PTO BoM
342-C92058	342-C93241
342-C92721	342-C93327
342-C92290	342-C92882
342-C92660	PTO parts from 342-C92882
342-C92042	342-C92954
342-C92046	342-C92963
342-C92048	342-C92905
342-C92047	PTO parts from 342-C92882
342-C92054	342-C93159
342-C92114	PTO parts from 342-C92882
342-C92826	PTO parts from 342-C92882
342-C92442	PTO parts from 342-C92882

Table 1, BoMs

Mechanical

The PTO has length, speed, and pump requirements that need to be well understood by the equipment installer and the customer. Inform the customer of the web-based information available on the DDCSN website, and make sure they have access to the *DT12 PTO Installation Guide* (<https://ddcsn-ddc.freightliner.com/cps/rde/xchg/ddcsn/hs/6229.htm>).

Parameters

The parameters needed to make the PTO function are included in the order specifications, and no changes should be required when the PTO is installed. However, if the customer requires changes to the parameters, refer to *GHG14/GHG17 DDEC13 Electronic Controls Application and Installation* manual on the DDCSN website for available options (<http://ddcsn-ddc.freightliner.com/cps/rde/xbcr/ddcsn/ddc-svc-man-0127.pdf>).

VIN Update

Record the changes to the VIN information, using the global annotation tool on PartsPro. Refer to **Parts Technical Bulletin 00-009** for the global annotation procedure, and add a note to document the new transmission BoM or parts that are needed for repairs after the conversion.

Warranty

This is an informational bulletin only. Warranty does not apply.