

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

**Description of Revisions:** *This bulletin replaces the version dated February 2017. Instructions for finding transmission and PTO procedures are revised. The MODs for the wiring and the air system have been updated. Tables 1, 2, 4, and 5 are added.*

## 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 procedure, log into [www.DTNACconnect.com](http://www.DTNACconnect.com), under My Applications select *PSL (Power Service Literature)*, then select the *Transmission* category.

### Chassis

The wiring is detailed in MOD 885 and in PartsPro for VINs spec'd with PTO and PTO prep.

The air system is detailed in MOD 372, MOD 46D, and in PartsPro for VINs spec'd with PTO. See [Table 2](#), [Table 4](#), and [Table 5](#) for parts update and BOM reference information on installing the new equipment.

### 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>).

## Freightliner Service Bulletin

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

## 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>).

## Parts

See **Table 1** and **Table 2** for parts that are required to upfit a PTO to a vehicle equipped with the PTO prep option. Parts can be ordered through the PDCs.

Transmission Parts		
Part Number	Description	Qty.
A 947 260 06 05	PTO, DT12, ASSEMBLY	1
A 947 260 24 92 or A 947 260 21 92	SHAFT, OIL PUMP, PTO INST, KIT, DT12 A SHAFT, OIL PUMP, PTO INST, KIT, DT12 B	1
A 389 262 50 56	SHIMS, TRANS OIL PUMP, TOP 5, KIT	1
<i>Optional (used for a driveline output from the PTO)</i>		
A 947 260 04 17 or A 947 260 03 17	FLANGE, SPICER 1300, 89 PTO, KIT FLANGE, SPICER 1400, 89 PTO, KIT	1

**Table 1, Transmission Parts**

Air System Parts		
Part Number	Description	Qty.
23-13481-000	STRAP-TIE, ANTI-VIB, M6.3, FIR TR	5
48-25855-010	TUBE-NYL 12, 1/4", BLACK	15 ft.
SMCKV2L07 36S	ELB-90, 1/4PC+3/8MPT, GRY	1

**Table 2, Air System Parts**

## 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 showing the PTO-equipped Bill of Material (BoM), listed in the right-hand column of **Table 3**, **Table 4**, and **Table 5**.

Sales Code 342 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

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

Sales Code 342 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 3, Sales Code 342 BoMs

Sales Code 372 BoM	
Non-PTO BoM	PTO BoM
372-C01028	372-C01029

Table 4, Sales Code 372 BoM

Sales Code 46D BoM	
Non-PTO BoM	PTO BoM
46D-XXXXXX	46D-D61401

Table 5, Sales Code 46D BoM

## Warranty

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