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Product Bulletin #00099

Subject: Detroit Diesel DT-12 8-Bolt Adapter Gear Availability

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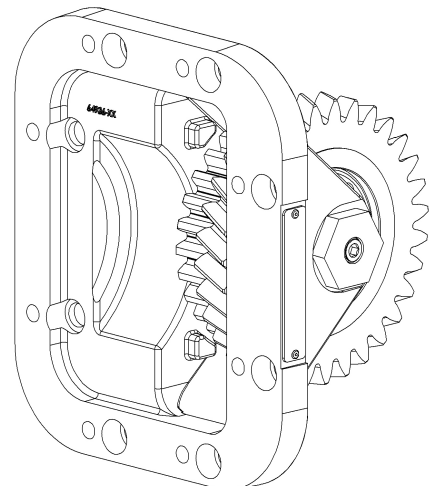
Adapter gears for the new Detroit Diesel DT-12 transmissions with 8-bolt openings are now available. **Please note that the PTO Prep Package MUST be ordered on the truck if a PTO is to be used!**

PTO PREP CODE	Description	PTO Model Used
362-1U1	Customer Installed Muncie TG8 Series	TG8S-U68**-P4**
362-805	Customer Installed Muncie 828 Series	828S-U68**-T4**

There are two adapters, each of which is unique to the transmission model. The below table shows which adapter to use with which transmission. **It is critical that the correct adapter be used! Using the wrong adapter will result in damage to the transmission!**

Transmission	Application Page	Adapter Assembly P/N	Adapter Cluster Gear P/N
DT-12DC (DHE & DV)	N/A	No Option Available	N/A
DT-12OC (OHE & OV)	DETR-03	40TA6479	05T64697
DT-12OD (OVX)	DETR-04	40TA6480	05T64698

Both adapters are marked on the edge that faces the rear of the transmission, and can be read with the PTO installed. The cluster gear in the adapter is also marked. The adapter is installed using standard 8-bolt mounting gaskets. Backlash must be set to .006"-.012" between the adapter and transmission.



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PTOs that can be used with the adapter include the TG8 Series, and the 82 Series. A “4” assembly arrangement will be required for both. The adapters are designed to accept a U68 PTO input gear.

Example PTO P/Ns: TG8S-U68**-P4**, 828S-U68**-T4**

CS8 Series PTOs will be offered eventually, pending approval of clutch shift units on the transmissions by the manufacturer.

Installation of the PTO on the adapter requires a special edge molded gasket, which is used between the PTO and adapter, or between the first spacer plate and the adapter, where applicable. Setting backlash is not required between the PTO and adapter, unless spacer plates are required. If spacers are required, standard 8-bolt gaskets are used to adjust backlash between the adapter plate and the PTO.

PTO activation is accomplished by connecting to the appropriate air solenoid(s) on the chassis. These are included from the factory on trucks ordered with the PTO Prep Package. A PTO activation switch is included in the cab.

Adapter specific literature is listed in the table below. The basic PTO installation is covered in IN84-03.

Document #	Description
IN20-07	Adapter Installation Instruction
DETR-03	Application page for DT-120C (OHE & OV)
DETR-04	Application page for DT-120D (OVX)

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