

# Technical Bulletin

Bulletin No.: TCH-001-030 Effective Date: 10/28/87 Cancels: PRO-01-30 Dated 3/2/87 Page: 1 of 2

Subject: **Compressors for D.D.A.D. Series 60 Engine**

This Bulletin has been revised to include additional Tu-Flo 501 and 700 compressor part numbers for the D.D.A.D. Series 60 engine.

## IMPORTANT COMPRESSOR APPLICATION INFORMATION FOR THE D.D.A.D. SERIES 60 ENGINE

Detroit Diesel has released their new four cycle, Series 60 engine. Because of the increased torsional vibration generated in the accessory gear train of this engine, a stronger compressor and drive hub is required.

### IMPORTANT

Only the specially strengthened and redesigned drive hub and compressors listed in this bulletin can be installed on the Series 60 engine. Installation of part numbers other than those listed may result in drive hub, compressor and/or engine damage.

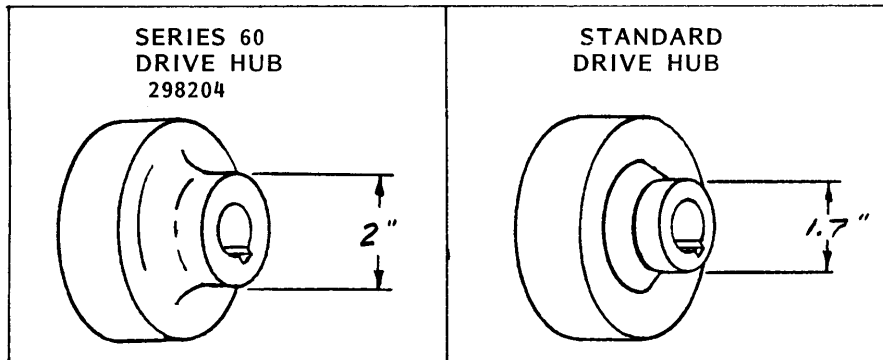
COMPRESSOR DRIVE HUB PART NUMBER FOR SERIES 60 - **298204**

### COMPRESSORS FOR SERIES 60

Compressor Model	Customer ID w/Drive Hub	Bendix ID w/Drive Hub	Reman Basic w/Drive Hub	Reman Basic w/o Drive Hub
Tu-Flo 501	106290	106240	286623	286619
Tu-Flo 501	106374	106240	286623	286619
Tu-Flo 700	106265	106287	106780	106268
Tu-Flo 700	106381	106287	106780	106268

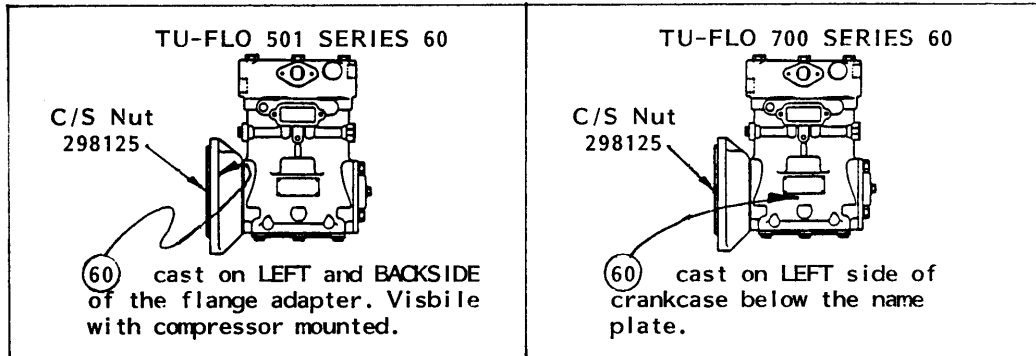
All compressors above have a 0° tilt mounting flange and left inlet and discharge ports.

**Series 60 Drive Hub Identification** - The new Series 60 drive hub 298204 can be distinguished from the standard drive hub by measuring the rear outside diameter.



**Series 60 Compressor Identification** - Compressors designed for installation on the Series 60 engine CAN BE POSITIVELY IDENTIFIED WITHOUT THE PART NUMBER by the embossed number sixty inside a circle, (60), located on the crankcase or mounting flange. The symbol is approximately 3/4" in diameter.

In addition, the crankshaft drive end of all Series 60 compressors has an M-20x2.5 metric thread and a flanged nut rather than the standard 3/4"-16 English thread and marsden locking nut. The Series 60 flanged nut part number is 298125.



**Series 60 Drive Hub Installation** - When installing drive hub 298204 on the Series 60 compressor, CRANKSHAFT NUT 298125 MUST BE TORQUED TO 220-254 LB.FT. to properly secure the hub. Depending upon the fit, use either 29 or 30 mm socket. **Caution:** This torque is for Series 60 compressors only and is more than double the maximum specified for the standard D.D.A.D. crankshaft nuts.

**Series 60 Compressor & Drive Hub Interchangeability** - The Series 60 compressors with drive hub 298204 installed may be used on other D.D.A.D. engines to replace an equivalent configuration standard compressor and drive hub.

**Catalog References** - Information contained in this bulletin should be recorded on pages 01-E-16 & 17 and 01-K-4 & 5 in the Service Parts Remanufactured Exchange Catalog.

