

Technical Bulletin

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Subject: Cummins to Bendix Compressor Changeover

When changing over from a Cummins manufactured compressor to a Bendix compressor on the Phase III engine, some of the drive components must also be changed. Make certain that adequate clearance is available on the engine for the Bendix compressor model selected.

Cummins recommends when changing any compressors at any time to always replace the spider coupling Cummins Part No. 162426.

When installing the 501 compressor on the Cummins in-line engine, always be certain the sleeve coupling stop, piece number 290582, is installed between the coupling and crankshaft at the driven end of the compressor. The sleeve coupling stop is part of the compressor assembly.

One important point we want to bring to your attention; when pressing the gear on the crankshaft of the Tu-Flo 501 compressor, the maximum load permissible is 5,800 pounds. Do not exceed this load or you will damage the crankshaft.

The following is a listing of Cummins drive components required for various compressor and engine combinations:

FOR CUMMINS IN-LINE SIX CYLINDER ENGINES

The following parts are required when changing over to the Bendix Tu-Flo 501:

Description	Quantity	Part Number
Drive Coupling	1	Cummins Pc. No. 199358
Compressor Drive Gear	1	Cummins Pc. No. 200398
Mounting Flange Gasket (PT end)	2	Bendix Pc. No. 249243
Mounting Flange Gasket (drive end)	1	Bendix Pc. No. 290848
Spider Coupling	1	Cummins Pc. No. 162426



The following parts are required when changing over to Bendix Tu-Flo 500, 600 and 700 compressors:

Description	Quantity	Part Number
Drive Coupling	1	Cummins Pc. No. 200824
Compressor Drive Gear	1	Cummins Pc. No. 200398
Mounting Flange Gasket (PT end)	2	Bendix Pc. No. 249243
Mounting Flange Gasket (drive end)	1	Bendix Pc. No. 290848
Spider Coupling (PT end)	1	Cummins Pc. No. 162426
Die Cast Coupling (compressor PT end)	1	Cummins Pc. No. 101918
Key	1	Cummins Pc. No. 68174
Screw	1	Cummins Pc. No. 69793
Washer	1	Cummins Pc. No. S-604
Lockwasher	1	Cummins Pc. No. S-602

FOR CUMMINS V-903 ENGINES

The following parts are required when changing over to the Bendix Tu-Flo 501 and 700 compressors:

Description	Quantity	Part Number
Mounting Flange Gasket (drive end)	1	Cummins Pc. No. 169992
Mounting Flange Gasket (PT end)	1	Bendix Pc. No. 249243
Compressor Drive Gear	1	Bendix Pc. No. 211083
Spider Coupling (PT end)	1	Bendix Pc. No. 162426

The following additional parts are required for the Bendix Tu-Flo 500 compressor:

Description	Quantity	Part Number
Die Cast Coupling (PT end)	1	Cummins Pc. No. 101918
Key	1	Cummins Pc. No. 68174
Key	1	Cummins Pc. No. S-316
Screw	1	Cummins Pc. No. 69793
Washer	1	Cummins Pc. No. S-604
Lockwasher	1	Cummins Pc. No. S-602

All Cummins drive components listed should be obtained from Cummins.