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TORQUE CONVERTER PARTS

FD-WA-21, FD-WA-22 & FD-DJ-1

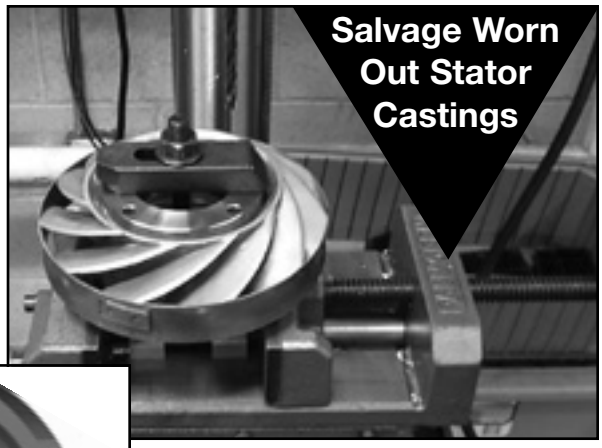
STATOR CAPS/BEARING ADAPTERS & TOOL

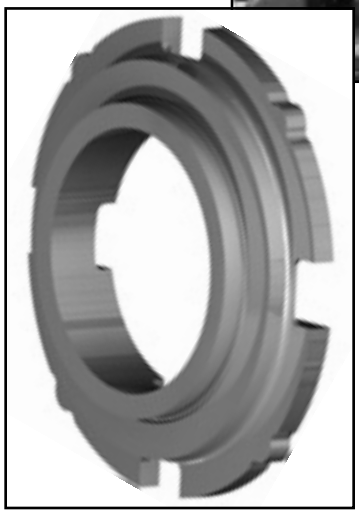
Application:
- Ford 4R100, E4OD, AOD/E, C4, C5 & C6

FD-WA-21 Details:
- Impeller side
- Uses **GM-N-8HLT** Bearing
- 3.600" (91.44mm) O.D.
- 2.000" (50.80mm) I.D.
- .375" (9.53mm) thickness of bearing adapter only
- .594" (15.09mm) total thickness including thrust bearing

FD-WA-22 Details:
- Turbine side
- Uses **CH-N-1** Bearing
- 3.600" (91.44mm) O.D.
- 1.930" (49.02mm) I.D.
- .407" (10.34mm) thickness of bearing adapter only
- .594" (15.09mm) total thickness including thrust bearing

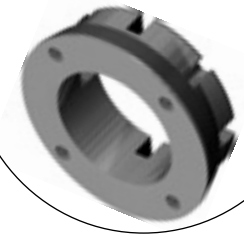
FD-DJ-1 Details:
- Allows salvage of the OEM stator
- Case hardened steel
- Used for both impeller & turbine side of stator





Special tool required

FD-DJ-1 Drill Jig



Please refer to our
TORQUE CONVERTER PARTS CATALOG VOLUME 6 & ONLINE CATALOG AT WWW.SONNAX.COM

FD-WA-21 (impeller side) and FD-WA-22 (turbine side) are:
Item Number 7 for Ford 4R100, E4OD, AOD/E, C4, C5 & C6 on Pages 60, 64, 94, 96, 98 & 100.

In 4R100, AOD/E, C4, C5 & C6 converters, if the inner tabs of the stator are worn at the ends, the stator caps are not held in place and can rotate. Sonnax now offers two aluminum stator cap/bearing adapters for use with stators with worn tabs: FD-WA-21 for the impeller side and FD-WA-22 for the turbine side. These stator caps, when used in conjunction with FD-DJ-1 stator repair drill, allow salvage of the worn OEM stator. Detailed instructions are required and can be downloaded from the Sonnax website www.sonnax.com, or contact your sales representative for a copy.

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TORQUE CONVERTER PARTS

FD-WA-21, FD-WA-22 & FD-DJ-1

STATOR CAPS/BEARING ADAPTERS & TOOL INSTRUCTIONS

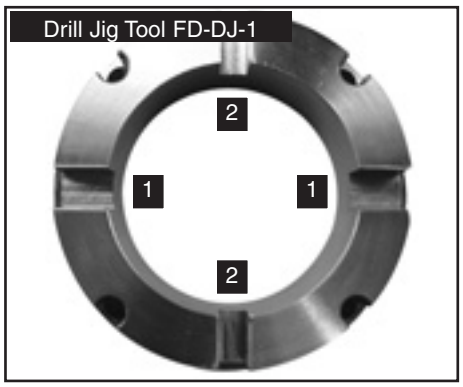

Figure 1

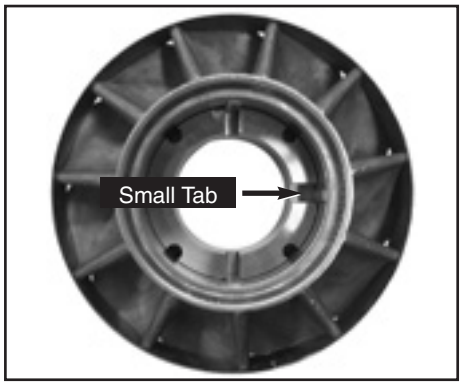

Figure 2

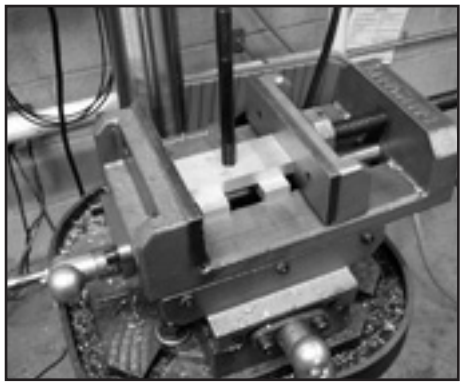

Figure 3

Figure 1

Wide slots "1" are for clearance with stator tabs and narrow slots "2" locate with stator tabs. It is recommended to align clearance slots "1" with small stator tab as shown in Figure 2.

Figure 3

Create a fixture for your drill press similar to the one pictured. This will securely hold the stator while the holes are drilled.

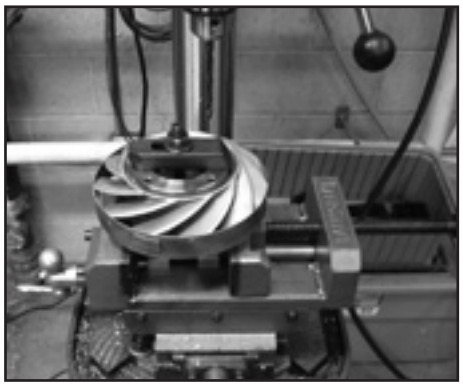

Figure 4

Figure 5

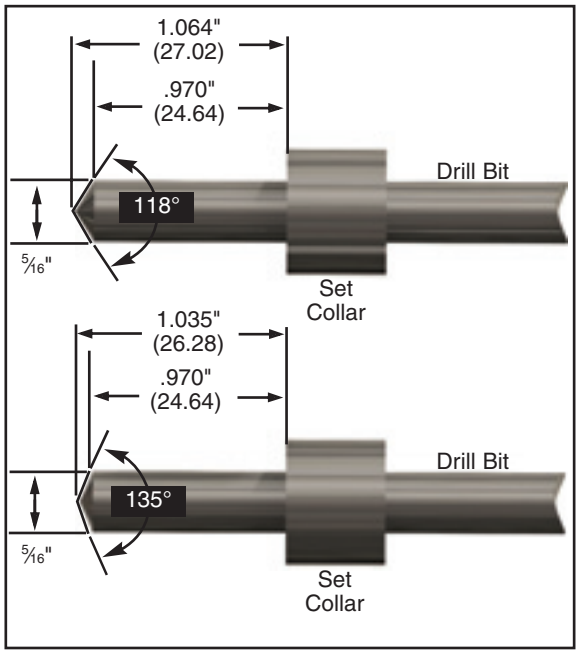

Figure 6

Figure 4
Final assembly

Figures 5 & 6
Set collar drill depth

CAUTION: Failure to set the drill depth as described below, will result in a shallow hole in which the stator cap will sit on the drilled step verses the outer race. Likewise, the hole could be too deep and break through the wall of the stator.

To set drill depth, two methods can be utilized. The first would be to use a 5/16" bore sized shaft collar on a 5/16" diameter drill bit to set the drilled depth. Please see Figure 6 for depth dimension.

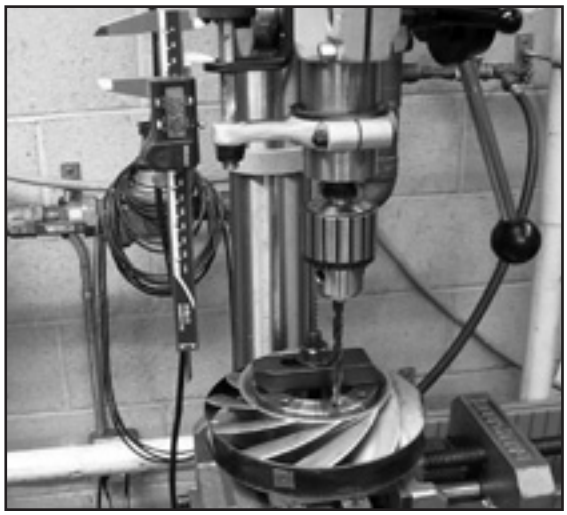

Figure 7

Figure 7

The second method is to use the drill stop on the drill press in combination with a pair of calipers. Make sure the drill bit is bottomed out on the top surface of the drill jig before setting the drill stop.

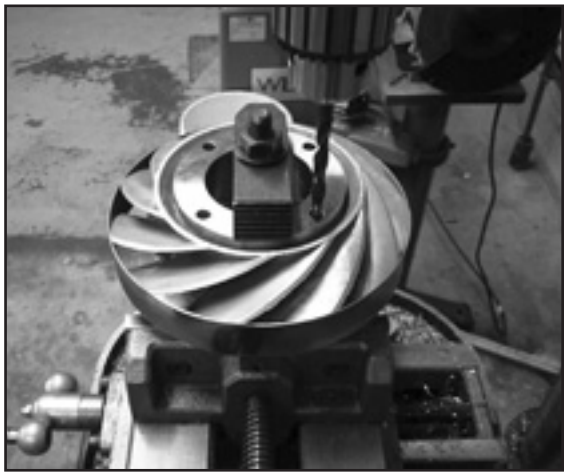

Figure 8

Figure 8

Adjust drill press vice until the 5/16" drill bit slides in and out of the jig easily. Drill all 4 holes to the depth specified in Figure 6.

CAUTION: Failure to do so will result in the drill breaking through the side wall of the stator.

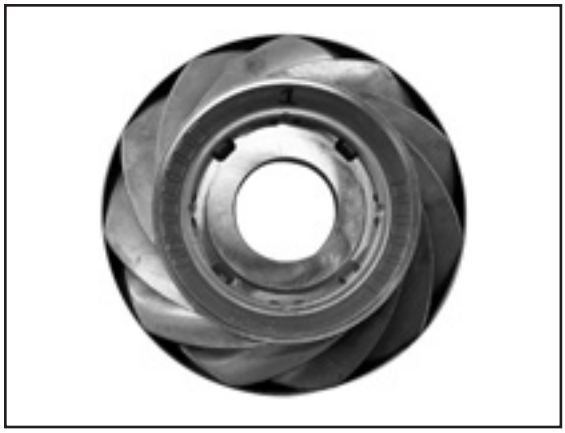

Figure 9

Figure 9

Place stator cap (either FD-WA-21 or FD-WA-22) into the stator and make sure the stator cap tabs slide easily into the drilled slots.

NOTE: Each stator cap/bearing adapter is specially designed to work with their specific associated bearing for each side of the stator and are NOT interchangeable from one side to the other.