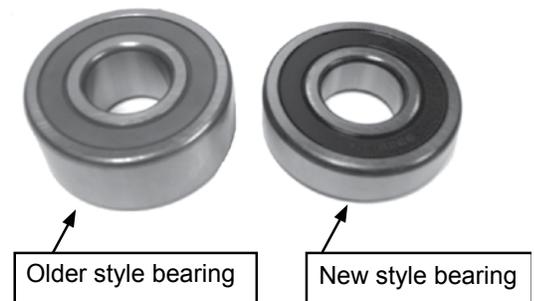


Source: Leece-Neville Heavy Duty Systems Division - Arcade, NY USA  
Date: July 7, 2017  
Bulletin No: TSB-1051  
Models: 4800/4900 Series Alternators  
Subject: Front Bearing Change

A change has been made to the front bearing from a double width cartridge to a single width cartridge bearing. This procedure will explain how to change alternators that used the old style bearing to the new style bearing. Figure 1 is an illustration showing the differences between these two bearings.

Fig. 1



1. Disassemble alternator and press rotor from front housing.
2. Remove screws that hold the bearing retainer to the front housing. See Figure 2
3. Remove bearing and bearing retainer from front housing. See Figure 3

Fig. 2

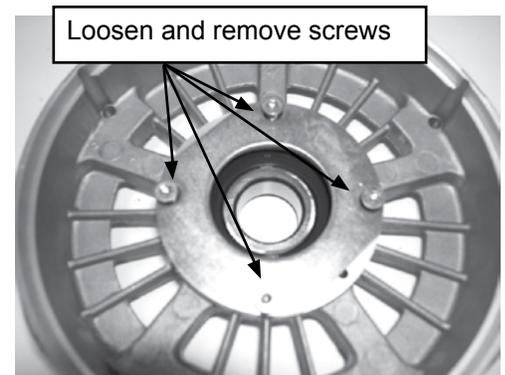
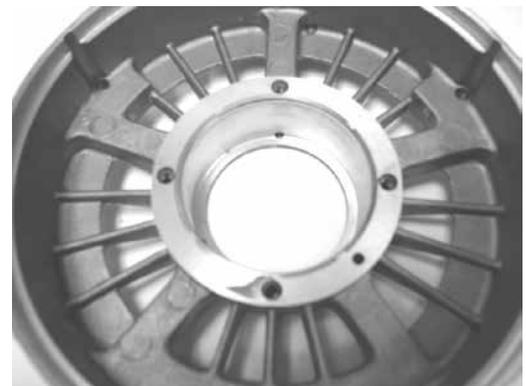


Fig.3



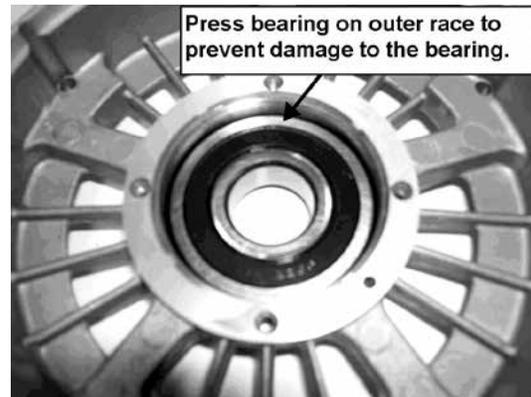
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4. Insert bearing into front housing.  
See Figure 4

Fig. 4



**Note:** To prevent damage to front bearing, press on the bearing's outer race. Use of an appropriate bearing press adaptor, socket or pipe that contacts the entire diameter of the bearing outer race is recommended.

Fig. 5

5. Place bearing spacer into front housing.  
See figure 5

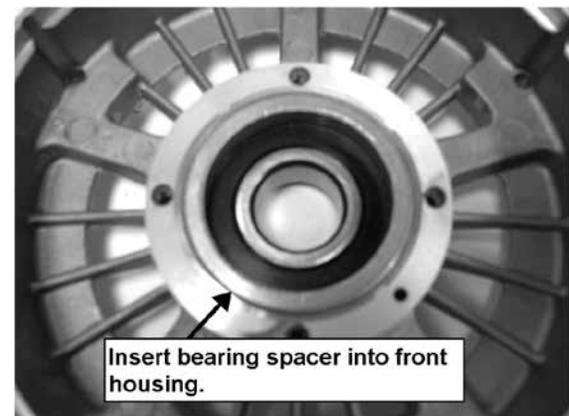
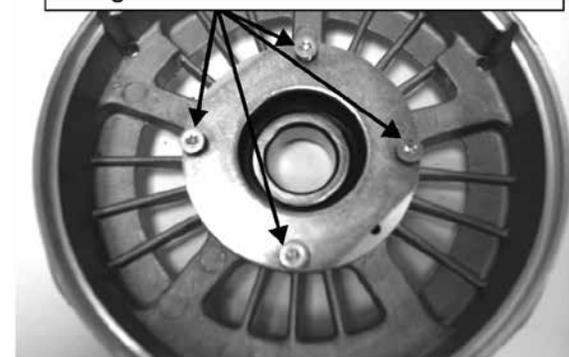


Fig. 6

6. Place bearing retainer into front housing and tighten mounting screws to 33-39 in-lbs. See figure 6

Apply "Blue" 242 Locktite to mounting screws and tighten to 33-39 in-lbs.



**Note:** Apply "Blue" 242 Locktite ® to mounting screws before assembly.

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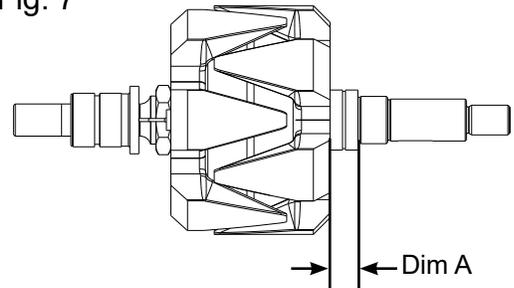
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7. Measure your existing rotor per Figure 7.

If Dim A measures .5" (1/2") continue to step 9.  
Spacer in step 8/ Fig 8 is not needed.

If Dim A measures .25" (1/4") continue to step 8.

Fig. 7



8. Slide spacer on to rotor shaft.  
See Figure 8

9. Press rotor into front bearing.

**Note:** To prevent damage to front bearing, press on the bearing's inner race.

**Note:** Use of a brass or copper block between the press and the rotor shaft will prevent damage to the end of the rotor shaft.  
See Figure 9

Fig. 8

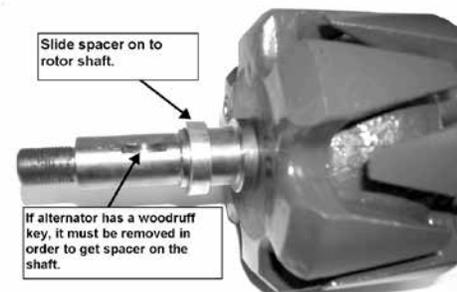
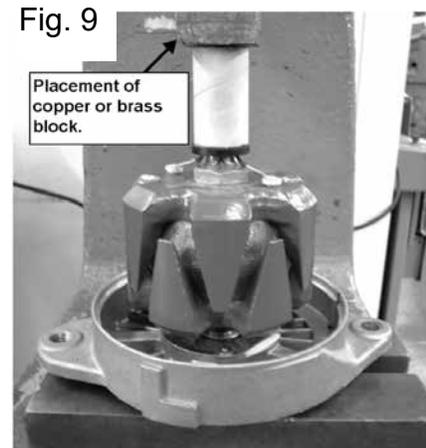


Fig. 9



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