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## FIELD SERVICE BULLETIN

### Spindle Shield Replacement

#### Applicability

This service bulletin is applicable to all models of Quadramatic centrifuges.

#### Procedure

1. When installing a new spindle shield on a Quadramatic model centrifuge, it is important to understand that the seal will require a period of wearing in to properly seat against the bottom of the basket hub. This wearing in period will produce dust from the seal material.
2. The basket should be run for approximately 8 hours to adequately wear in the spindle shield.
3. After the wearing in period, the basket spindle nut should be retightened as it will loosen as the spindle shield wears in and the basket seats on the spindle taper.
4. Dust created during the wear in period can be removed by using the optional CIP system if installed, or manually cleaned out by removing the basket to clean all surfaces.