

# Rotary Sieve End Cap Installation

## 1. Introduction

When replacing the end cap seal on a Nordson rotary sieve, make sure the seal is installed correctly. If the seal is installed backwards, powder can get past the seal and contaminate the bearing. An incorrectly installed seal will cause the end of the impeller shaft to heat up causing powder to cure on the shaft end.

## 2. Installation

See Figure 1. Use the following procedures to correctly install a new seal in the end cap.

1. Remove the new seal from its packing and examine for defects. The metal housing should be smooth and free from scratches and burrs.
2. Examine the inner rubber seal. Sealing surfaces should be free of defects.

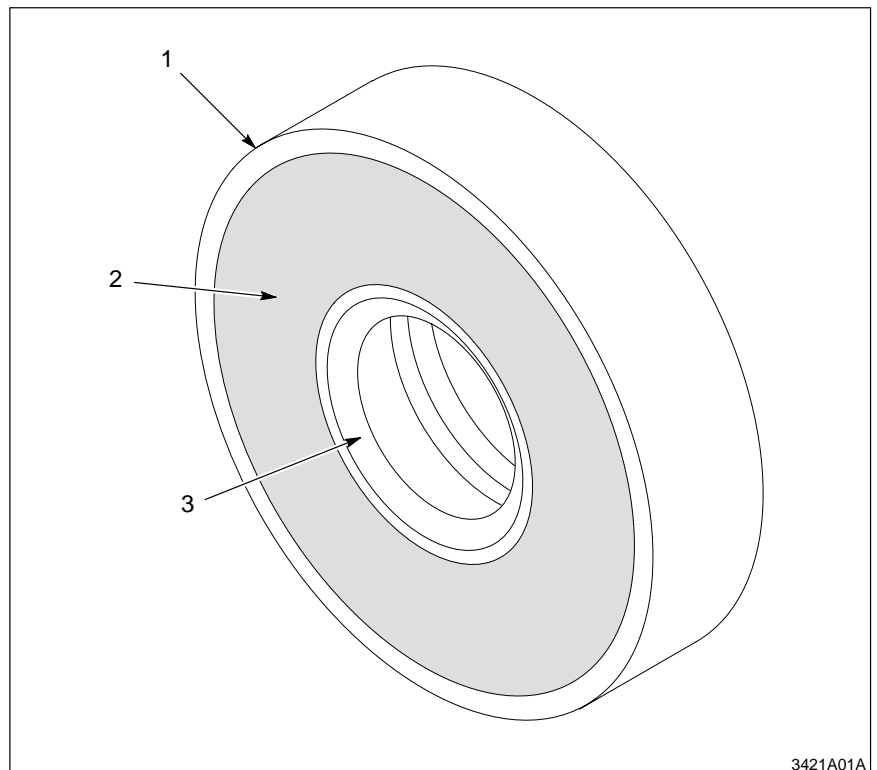


Fig. 1 End Cap Seal

1. Rolled edge of metal housing
2. Lip shield

3. Seal lip

### 2. Installation (contd.)

3. Locate the lip shield (2). When installed in the end cap, this side of the seal faces away from the bearing towards the inside of the sieve housing. The lip shield is a separate piece, welded to the rolled edge of the metal housing (1).
4. Fold back the seal lip (3) and remove the spring, if present.
5. Press the seal into the end cap with the shield side away from the bearing.

**NOTE:** A hand-operated arbor press can be used.

**NOTE:** Figure 2 illustrates the proper orientation of the bearing and seal when installed in the end cap.

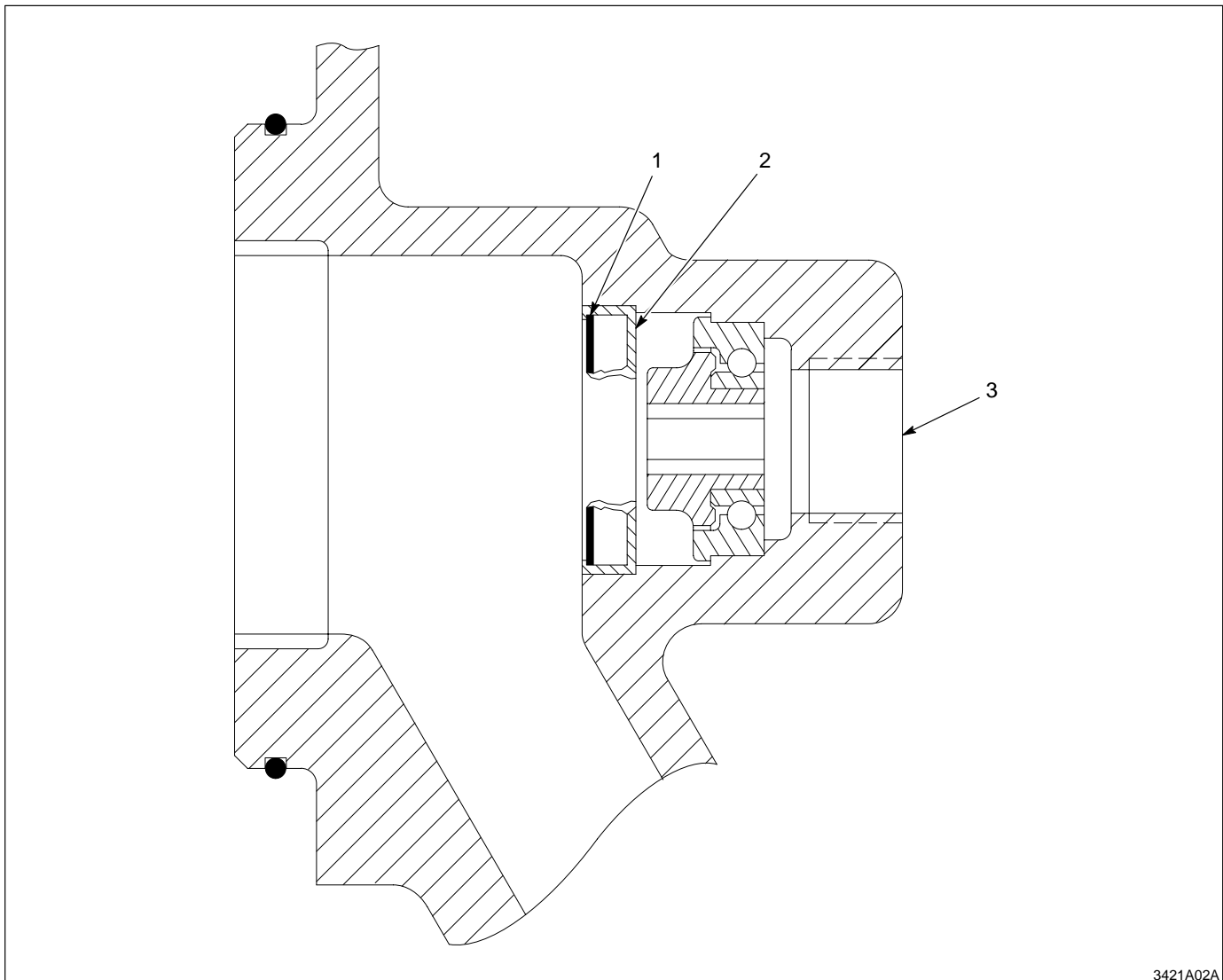


Fig. 2 End Cap Cutaway View

1. Lip shield

2. Seal assembly

3. Bearing

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