

Greensmaster® 1000

<u>Model/Serial Range:</u>	<u>Model Number:</u>	<u>Serial Numbers:</u>
	04051	30001-50339
	004052	50001-52551

Subject: Servicing worn Drum Bushings.

Drum Bushing Tool Kit (TOR4060) for repair of Drum Assembly (88-7280) is available through your local Toro Distributor and OTC (Owatonna Tool Company). The kit contains all the tools required to install and properly size the bushing to factory standards. Contents of the kit and instructions for their use are illustrated on this bulletin.

OTC
 A division of SPX Corporation
 655 Eisenhower Drive
 Owatonna, MN 55060-0995
 Phone: (507) 455-7000
 Tech. Serv.: (800) 533-6127
 Fax: (800) 955-8329
 Order Entry: (507) 455-1480
 Fax: (800) 283-8665
 International Sales: (507) 455-7223
 Fax: (507) 455-7746

Form No. 105965

Operating Instructions for:

TOR4060

Drum Bushing Tool Kit

**Reamer
TOR4061**

Bushing Driver
TOR4062-1

Pilot
TOR4062-2

**Bushing & Seal Installer
TOR4062**

Adapter Sleeve
TOR4062-3

Operating Instructions

Caution: To prevent eye injuries, wear eye protection that meets the requirements of ANSI Z87.1 and OSHA.

Step 1 Bushing Removal

1. Remove the adapter sleeve (TOR4062-3) and pilot (TOR4062-2) from the bushing and seal installer (TOR4062).
2. Insert the bushing driver (TOR4062-1) against the bushing in the drum.
3. Drive the bushing out of the drum by striking the end of the bushing driver with a hammer or mallet.
4. Repeat Steps 1 – 3 to remove the bushing and seal from the other end of the drum.

Bushing Driver

Figure 1

Figure 2

Step 2 Outer Bushing Installation - Figure 2

1. Remove the pilot from the bushing and seal installer.
2. Install the adapter sleeve on the bushing driver so the counterbore of the sleeve will be facing the bushing.
3. Install the new bushing (88-7650) on the bushing driver.
4. Install the pilot on the end of the bushing driver.
5. Insert the pilot into the bushing bore, and install the bushing in the outer race until the adapter sleeve meets the drum.

Figure 4

Step 4 Sizing the Bushing - Figure 4

1. Attach the reamer to a tee handle.
2. Use the reamer to size the bushings. **Note:** Size only one bushing at a time.

Figure 3

Step 3 Inner Bushing Installation - Figure 3

1. Remove the pilot from the bushing and seal installer.
2. Install the adapter sleeve on the bushing driver so the counterbore of the sleeve seats 3/16" beyond the step on the driver. (This 3/16" allows the bushing to be inserted deep enough for seal installation.)
3. Install the new bushing (88-7650) on the bushing driver.
4. Install the pilot on the end of the bushing driver.
5. Insert the pilot into the bushing bore, and install the bushing in the inner race until the adapter sleeve meets the drum.

Figure 5

Step 5 Dust Seal Installation - Figure 5

1. Install the adapter sleeve on the bushing driver so the counterbore of the sleeve will be facing the dust seal.
2. Install a dust seal (253-84) on the bushing driver.
3. Use the bushing driver to install the dust seal into the bushing bore until the adapter sleeve meets the drum.