



Customer Service Bulletin Commercial Business Group

Greensmaster® Flex 21

Date: June 8, 2004

<u>Model/Serial Range:</u>	<u>Model Number:</u>	<u>Serial Numbers:</u>
	04021	210000101-240000999

Subject: Sealed bearing improvements for the traction drive system.

Drum Drive Update Kit (107-9025) is now available for purchase to enhance the performance life of the traction drive system. This kit contains sealed bearings with improved sealing capability and additional seals for protection of the bearings in the center drum location. Units produced after serial number 240000999 already contain these improvements. Contact your Toro Commercial Products Distributor if you are interested in this improvement.

Note: Units with serial numbers 210000101-210009999 also need Drum Cover Update Kit (107-9026) to be able to install the Drum Drive Update Kit.

Facts about Sealed Bearings

Sealed Bearings rarely fail from defects in materials or workmanship. The most common reason for failure is moisture and contamination working its way or being forced past the protective seals. Sealed bearings rely on an initial fill of special grease and a robust integral seal to keep contaminants and moisture out of the rolling elements. Bearings that are greased rely upon regular maintenance to purge harmful debris from the bearing area.

A primary benefit of a sealed bearing is that it requires no additional lubrication or short term maintenance. This reduces labor costs by extending the routine service time period and in addition reduces the potential of turf damage from excess grease.

Sealed bearing packages provide good performance and life; however, periodic inspections of the bearing condition and seal integrity should be conducted to avoid downtime. These bearings should be inspected seasonally and replaced if damaged or worn. Bearings should operate smoothly with no detrimental characteristics such as high heat, noise, looseness or rust weeping. Turf applications expose bearings to outside influences such as sand, turf chemicals, water, impacts, etc. As a result, they are considered normal wear items. Bearings that fail due to other than defects in materials or workmanship are typically not covered under warranty.

Note: Bearing life can be negatively affected by improper wash down procedures. Do not wash down the unit when it is still hot and avoid directing high-pressure or high volume spray at the bearings.