

# HARSCO

## RAIL

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### SERVICE BULLETIN

### MAINTENANCE OF WAY EQUIPMENT

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**DATE:** 11-2016

**BULLETIN NO:** 16-009

**TITLE:** Air Compressor Enclosure, Drive Belt, Drive Belt Sprockets Maintenance

**RATING:**

<input checked="" type="checkbox"/>	<b>DIRECTIVE</b> (Action Is Required)	<input type="checkbox"/>	<b>ALERT</b> (Potential Problem)
<input type="checkbox"/>	<b>INFORMATION</b> (Action Is Optional)	<input type="checkbox"/>	<b>PRODUCT IMPROVEMENT</b> (Enhance Product)

**PRODUCT SERIES / MODEL:** GO4S-III-CN-SH UNDERCUTTER

**SERIAL NO:** 4711654

**SUMMARY:** Instructions to inspect the drive belt and drive belt sprockets weekly, to clean the accumulated debris from air compressor enclosure weekly, and to replace the drive belt and drive belt sprockets every 300-500 hours.

**OPERATIONAL IMPACT:** Removing accumulated dirt and debris from the air compressor enclosure weekly will prolong the life of the drive belt and the drive belt sprockets. Replacing the drive belt and drive belt sprockets at the suggested intervals will help prevent premature failure of these components.

**ACTION:** Follow the instructions in this Service Bulletin to maintain the air compressor enclosure and the drive belt and drive belt sprockets at the suggested maintenance intervals.

**CONTACT:** Harsco Rail Service Department  
Columbia, SC Facility  
(803) 822-7546

#### SAFETY INFORMATION



- FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO DISABLE ENERGY SOURCES WHEN PERFORMING MAINTENANCE, MAKING ADJUSTMENTS OR REPAIRS TO THE EQUIPMENT. FAILURE TO HEED THIS WARNING COULD RESULT IN SEVERE BODILY INJURY.

**INSPECTING AIR COMPRESSOR BELT AND DRIVEN BELT SPROCKET**

- See Figures 1 and 2

Every 50 hours or once a week, whichever comes first, access the interior of the air compressor enclosure and inspect the drive belt for wear, glazing, cracks, missing teeth or any other damage. If you find damage, replace belt. At the same interval, inspect both drive belt sprockets for wear, cracks, signs of abrasion or other damage. If any damage is evident, replace the sprocket(s).

**CLEANING THE AIR COMPRESSOR ENCLOSURE**

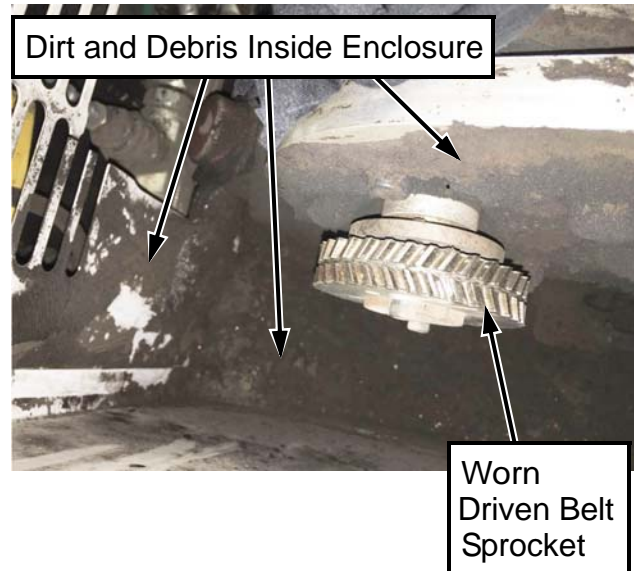
- See Figure 2

Every 50 hours or once a week, whichever comes first, access the interior of the air compressor enclosure and thoroughly clean the enclosure of all dirt, dust, or other debris. Inspect the other components inside the air compressor assembly for damage or wear. Repair or replace any component that is worn or damaged.

FIGURE 1  
WORN DRIVE BELT



FIGURE 2  
DIRT ACCUMULATION INSIDE  
ENCLOSURE / WORN SPROCKET



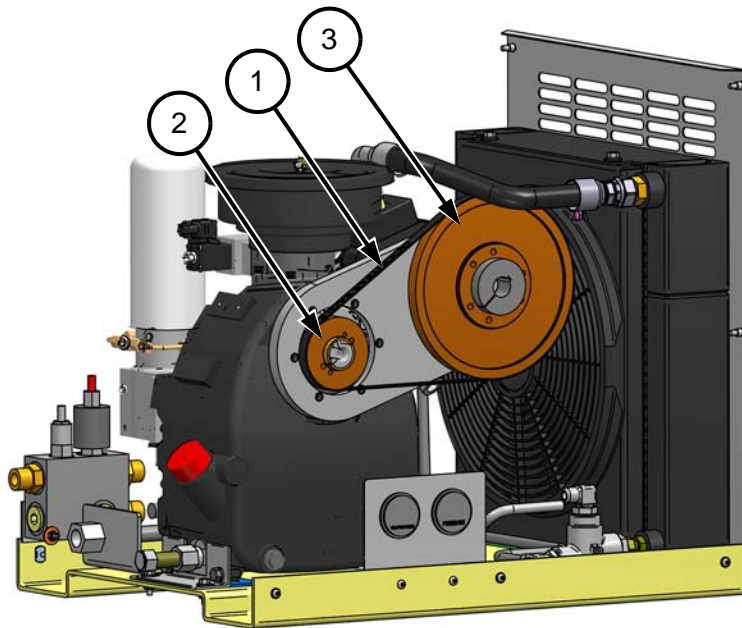
**REPLACING AIR COMPRESSOR BELT AND DRIVE BELT SPROCKETS**

- See Figure 3

Every 300-500 hours remove the drive belt and drive belt sprockets and replace with new components.

ITEM	PART NO	DESCRIPTION	QTY
1	5037699	BELT.....	1
2	5067581	SPROCKET, COMPRESSOR END.....	1
3	5067591	SPROCKET, HYD. MOTOR END.....	1

FIGURE 3  
AIR COMPRESSOR -  
REPLACING BELT AND SPROCKETS



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