PC3000 Heavy-duty Guard for Safety Curtain Laser Assemblies Upgrade

Models Impacted

This Product Bulletin applies to the Canrig Automated Catwalk PC3000 series with serial numbers PC300001 through PC300384.

Issue

When the catwalk ramp is used as a traditional V-door for raising and lowering equipment to and from the rig floor, mishandled heavyweight items may impact the existing laser curtain guards and damage the laser transmitter. Canrig has developed a heavier-duty guard and larger mounting hardware to better protect the safety curtain laser assemblies from damage.

Recommendation

Canrig PC3000 Heavy-duty Guard for Safety Curtain Laser Assemblies Upgrade Kit No. AY51082 is available with the necessary guards, hardware, drill bit, and tap to perform the modification. Contact RigLine 24/7™ Support to order the kit and arrange installation.

Parts List

Table 1: Parts List Canrig Kit No. AY51082

Item	Qty	U/M	Canrig Part No.	Description
1	2	EA	DT51016	GUARD, LASER, SAFETY CURTAIN, PC3000
2	8	EA	LW-0375-NL-SP	LOCKWASHER, 3/8-SP, NORD-LOCK
3	8	EA	SH-0375NC-0100	CAPSCREW, HEX SOC HD, 3/8-18 UNC x 1.00
R01	1	EA	EP-1000173	LOCTITE® THREADLOCKER BLUE 242®
R02	1	EA	M10348	DRILL BIT, 5/16
R03	1	EA	M10349	TAP, 3/8-16 UNC-2B

RigLine 24/7™ Support Line: 866.433.4345 | International: +1 281.774.5649 | Fax: 281.774.1940 | E-mail: riglinesupport@canrig.com

Document ID 13-132 v 1.0 | Copyright © 2013 Canrig Drilling Technology Ltd. All rights reserved.

1 of 3

Installation

The upgrade involves enlarging the existing tapped mounting holes to install the new guards.

1. Before beginning the installation, disconnect catwalk electrical power and follow local lockout/tagout procedures.

2. Remove the two existing safety curtain laser guards on the ramp end.

3. Match drill and tap the existing 1/4-20 UNC-2B hole patterns to 3/8-16 UNC-2B on the two ramp ends (Figure 1).

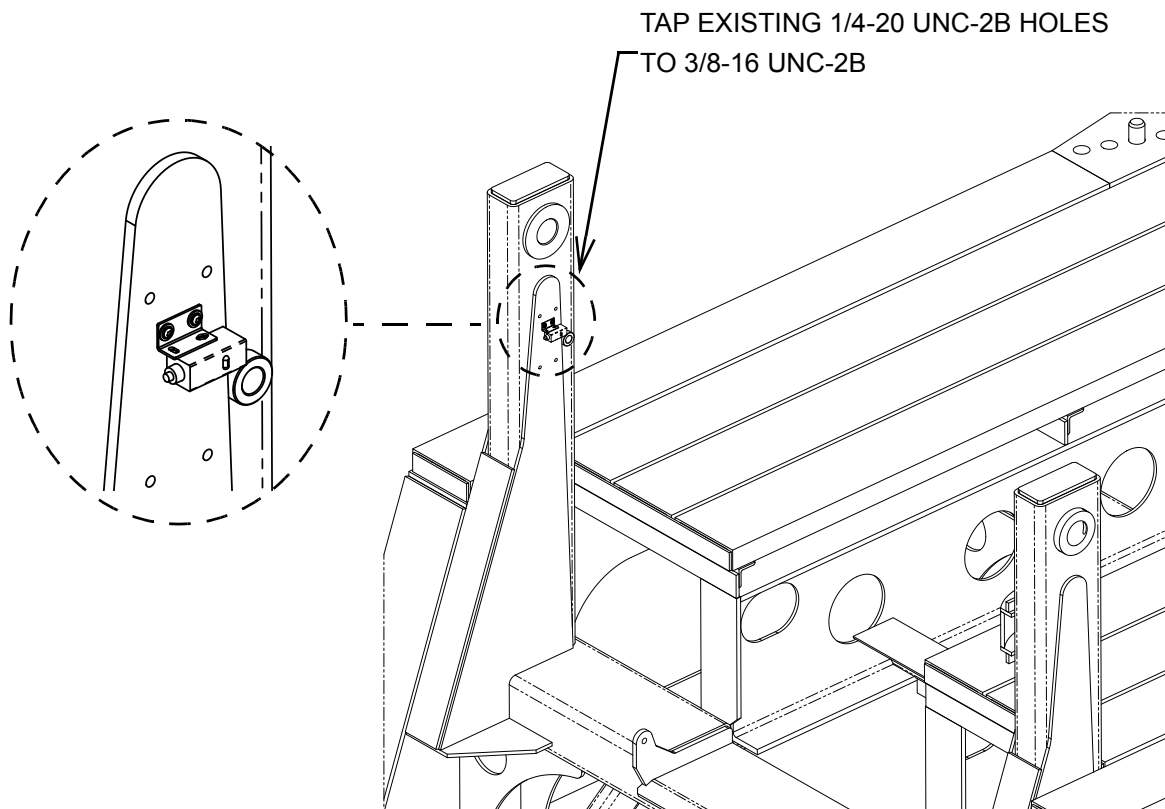TAP EXISTING 1/4-20 UNC-2B HOLES TO 3/8-16 UNC-2B

Figure 1: Ramp End Upright Post Before Upgrade

4. Ensure the sensors are aligned, and install the safety curtain laser guard using the provided hardware and thread locking compound (Figure 2).
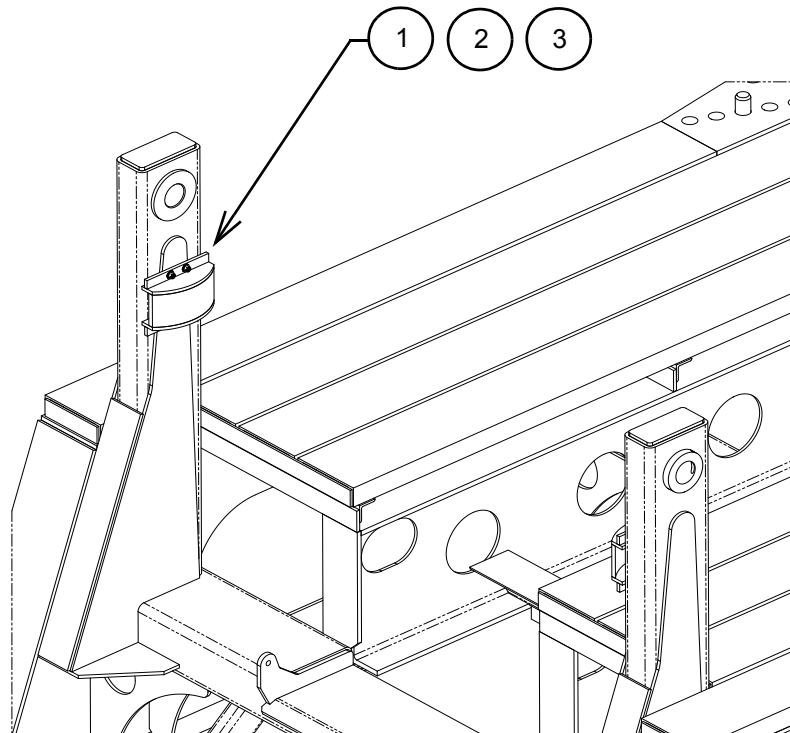

Figure 2: New Heavy-duty Guard Installed

5. Follow local procedures for removal of lockout/tagout status.