

Bulletin 009/2013

Subject: Failure of Hoist Rope Roller Bracket

Affected Product: 8750 Dragline located at BMA Peak Downs

Serial Number: 141428 (Caterpillar Serial No.JKZ41428)

Risks Identified: Hoist Rope can fall into the machinery house

Problem Overview:

Hastings Deering has become aware of a failure of the mounting brackets for the hoist rope rollers on the machinery house roof. This resulted in the roller falling into the machinery house presenting a severe falling object risk.

To fix this problem, the manufacturer has revised the mounting bracket design. The original bracket, drawing number S051907 / part number PRI 20122053015, has been superseded by the 4147231 Welded Bracket. The updated parts need to be installed on the above listed machine.

Corrective Actions Required:

Hastings Deering is requesting the rework outlined in this bulletin be performed immediately.

Rework Procedure:

Refer to the original machine specific GA drawing / Item No. as noted below for additional information not contained in this bulletin.

Identification number	House Roof	Tri-Structure
141428 (JKZ41428) BMA	S107297/Item 4	E023340/Item 7

Approximate Weight Information:

Welded Bracket: 168 kg each
 Roller Assembly Short (53.43"): 168 kg each
 Roller Assembly Long (83.43"): 377 kg each

Suggested rework sequence:

1. Perform individual and job specific risk and hazard analysis.
2. Utilise appropriate lifting devices and support one end of the roller.
3. Loosen mounting bolts for the roller and bracket at both ends.
4. Raise the roller slightly to take the weight off the bracket
5. Remove bolts for the roller and bracket.
6. Remove the bracket.
7. Install the new bracket and bolt into location
8. Loosely bolt roller to bracket. Remove lifting device and position on opposite end.
9. Repeat above steps 4 – 7.
10. Tighten all mounting bolts for the roller and bracket per the General assembly drawing.

Parts Required:

Qty	Part Number	SAP Part Number	Description
8	4147231	4147231	Welded Bracket
8	1201454 (MP357099)	1201454	Tapped Bar
16	1232475 (03301280)	1232475	Screw Hex 1x4.00" UNC
48	0963193 (03952150)	963193	Washer Hardened Flat 1"
4	1053841 (03301580)	1053841	Screw Hex 1x5.50" UNC
4	1047785 (02716050)	1047785	Nut Hex 1" Full UNC
8	1427577 (S078186)	1427577	Bar 2.00 x 2.00
4	1232491 (03301775)	1232491	Screw Hex 1x7 UNC Gr 8
4	1231697 (02786552)	1231697	Nut Flexloc 1.00
16	1232479 (03301441)	1232479	Screw Hex 1x4.5 UNC Gr 8

Contact Details:

Please contact the Service Department at the Hastings Deering Excavation and Underground Support division if you require assistance.

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