Product Notice	PN 620

DATE: ***4/6/16*** **REVISED:**

TO: Owners, Users, Dealers, and Installers

Models Affected: TLM WITH END MOUNTED PLATFORM

SUBJECT: ***TLM Master Leveling Cylinder Clearance***

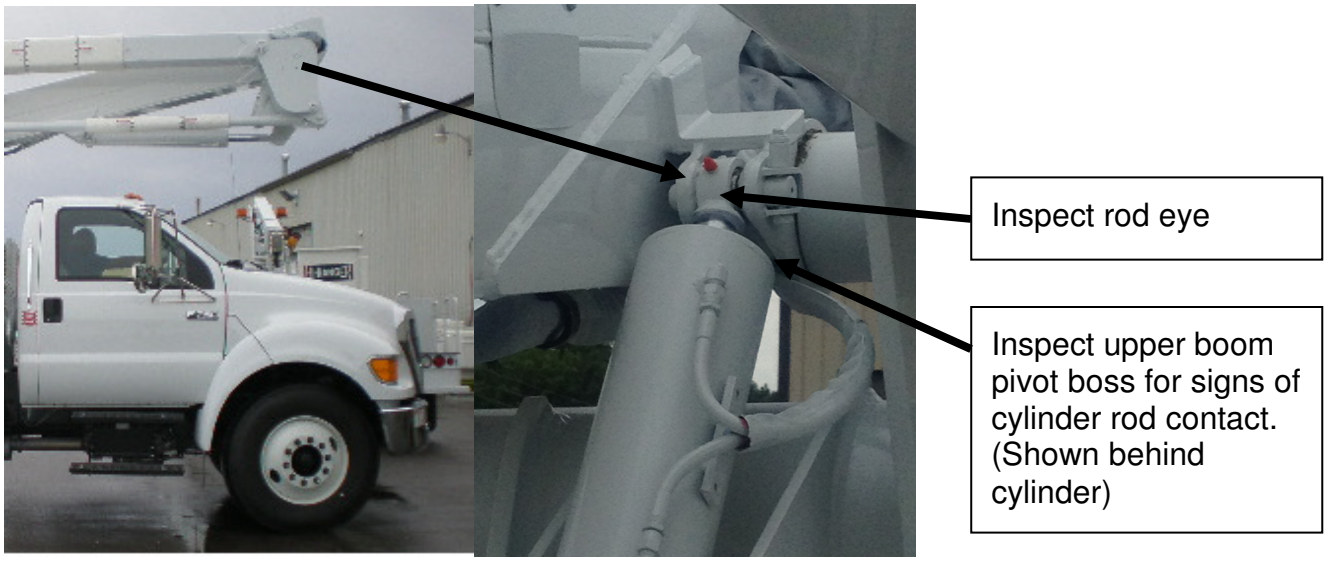
Issue:

Terex Utilities has become aware that wear of pivot bushing on TLM units built from August, 9, 2007 to September 30, 2015 allows an increase in boom movement which may allow the Master Leveling Cylinder rod and the Upper Boom Pivot boss to contact. This can occur when the boom is fully raised at full speed to the lift cylinders full stroke. Repeated contact may cause the master cylinder rod eye to crack. **Failure of the master cylinder rod eye will cause the platform to lock in position and stop leveling.**

Action:

Immediately inspect for cracks on the master cylinder rod eye, as shown below, before further use of the machine.

1. Perform a visual inspection for cracks in the master cylinder rod eye areas shown below. Look especially around the area were the rod eye is welded to the rod.
2. Inspect the upper boom pivot boss for signs that the master leveling cylinder rod has made contact. Also, inspect the cylinder rod for chrome damage to determine if contact is evident.



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3. If cracks are detected take the machine out of service and contact your local Terex dealer or Terex Utilities Service Department at 1-800-982-8975 or email machine information to utilities.warranty@terex.com to schedule an appointment for repair.
4. Terex Utilities recommends you perform this action as soon as possible. This action shall be completed no later than 60 days from receipt of this bulletin

Continued Use:

All machine users and operators must be notified of these continued use requirements. If no cracks are detected you may continue to use the unit provided:

1. The master leveling cylinder rod eye is inspected for cracks weekly.
2. When operating at high boom angles approach maximum elevation slowly and not at full upper boom speed.
3. If cracks are detected take the machine out of service and contact your local Terex dealer or Terex Utilities Service Department at 1-800-982-8975 or email machine information to utilities.warranty@terex.com to schedule an appointment for repair.
4. If the master leveling cylinder rod eye fails while elevated, use the level control at the upper or lower control stations to manually level the platform while stowing the boom. Refer to the operator's manual for operation. Remove the machine from service and repair it before returning to service.

Always follow all maintenance and inspection requirements as specified in the manuals. Inspect the wear of the bushings and replace as needed.

What Terex will do:

Because Terex Utilities wants your product to perform as you would expect please respond to this bulletin so Terex can repair all affected units.

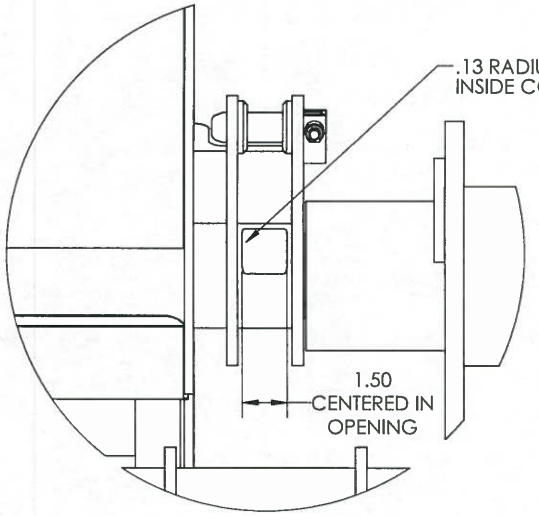
Dealers and Installers: A letter is being sent to owners of affected units. If an owner contacts you about this bulletin contact Terex Utilities Service Department at 1-800-982-8975, for further instructions. You will be sent a form to complete for reimbursement. If the unit does not have cracks instruct the owner they may continue to operate following the frequent and periodic inspection requirements as instructed in manuals and instructions above for continued use are followed. The repair will take less than 2 hours to complete.

Important: Some of the involved units may be in rental fleets. Terex requires owners to complete the service on these units before renting, or to inform the renters within 10 days of receipt of this bulletin.

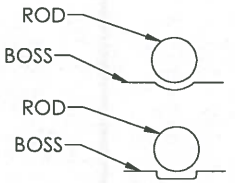
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(B) 1. RAISE THE UPPER BOOM AS HIGH AS POSSIBLE. CHECK CLEARANCE BETWEEN MASTER CYLINDER ROD AND UPPER BOOM PIVOT BOSS. IF CLEARANCE IS GREATER THAN .25" THEN NO REWORK IS REQUIRED.
2. REMOVE THE RETAINING PIN ON THE ROD END OF THE MASTER CYLINDER AND ALLOW THE CYLINDER TO HANG DOWNWARD
3. IF YOU MOVE THE UPPER BOOM WITHOUT THE MASTER CYLINDER CONNECTED BE SURE TO WATCH THE POSITION OF THE PLATFORM BECAUSE LEVELING WILL BE DISABLED DURING THAT TIME.
4. PLACE A STRAIGHT EDGE AS CLOSE TO THE INSIDE QUADRANT OF THE CHAMFER ON THE MASTER CYLINDER ROD END ANCHOR POINT AND ALLOW IS TO REST ON THE UPPER BOOM PIVOT BOSS.
5. MARK THE POINT WHERE THE STRAIGHT EDGE RESTS ON THE UPPER BOOM PIVOT BOSS.
6. GRIND A NOTCH IN THE UPPER BOOM PIVOT BOSS 1.50" WIDE AND .25" DEEP. MAKE SURE THERE ARE NO SHARP CORNERS ALONG THE INSIDE CORNERS OF THE NOTCH.
7. PUT THE MASTER CYLINDER BACK IN PLACE AND PIN IT. CHECK FOR CLEARANCE TO ENSURE THE NOTCH IS LOCATED PROPERLY AND HAS EVEN CLEARANCE OF THE CYLINDER ROD.
8. IF THE CLEARANCE IS GOOD REMOVE THE PIN AND SWING THE CYLINDER OUT OF THE WAY AND PAINT THE AREA THE WAS GROUND OUT.
9. INSPECT THE CYLINDER ROD FOR ANY DAMAGE TO THE CHROME FINISH. INSPECT THE ROD EYE FOR ANY CRACKS OR DISTORTION. IF THERE ARE SIGNS OF DAMAGE REPLACE THE MASTER CYLINDER.
10. INSTALL THE MASTER CYLINDER AND REPLACE THE RETAINING HARDWARE.

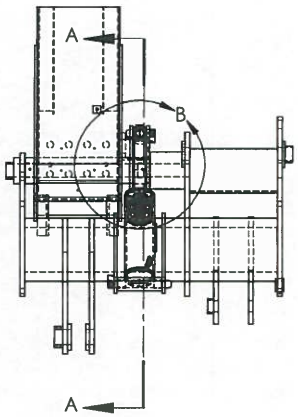
REVISIONS					
REV	DESCRIPTION	ECN	DATE	CHG BY	APP BY
A	ORIGINAL	72125	07/22/2015	KJW	KJW
B	REVISED NOTE	72946	04/18/2016	MJH	JKM

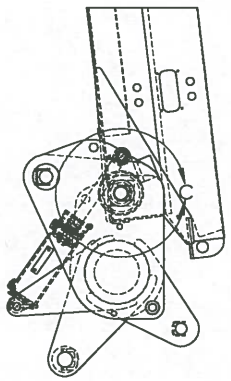


DETAIL B
1 : 4

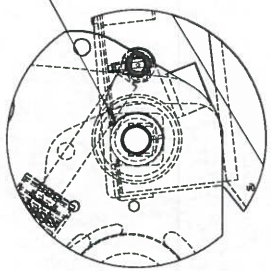


ACCEPTABLE NOTCH OPTIONS

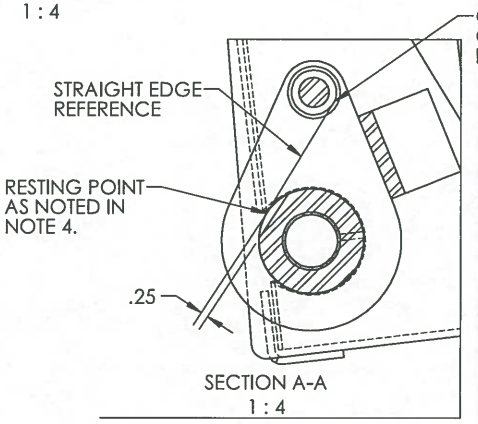




NOTE 4 IS TO LOCATE THE CLOSEST POINT FROM THE CYLINDER ROD TO THE PIVOT BOSS



DETAIL C
1 : 8



SECTION A-A
1 : 4

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SEE 403948 FOR WELD REQUIREMENTS, UNLESS OTHERWISE NOTED.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED
3RD ANGLE PROJECTION

DO NOT SCALE THIS DRAWING WORK TO FIGURES BREAK ALL SHARP CORNERS UNLESS OTHERWISE SPECIFIED
TOLERANCE UNLESS OTHERWISE SPECIFIED
ANGLES: ±2°
WELDMENTS ±.060
.X ±.060
.XX ±.030
.XXX ±.010

TEREX.

DRAWING #: 9157384 REV: B
SHEET 1 OF 1

PART NAME: INSTRUCTIONAL DRAWING
PRODUCT: TLM | ASSY: Z1355 | MASS: 1269.26 LBS
MATERIAL: | STOCK SIZE:
DRAWN BY: JAB | DATE: 07/09/2015 | NOT TO SCALE | FORM# 3469B