

Safety Alert

End Facing Attachment

THERE WERE TWO DESIGN FLAWS DISCOVERED ON ACP SPREAD 8 OF THE SWIVEL ATTACHMENT FOR THE ENDFACER WHICH ATTACHES TO THE EXCAVATOR STICK AT THE END PIN HOLE.

THERE IS NOT ENOUGH CLEARANCE FROM THE HOLE CENTER TO THE TOP OF THE PLATE THAT THE RIGGING ATTACHES. IN ADDITION THIS LACK OF CLEARANCE HAS CAUSED A LOCK NUT TO BE USED IN LIEU OF THE CORRECT MACHINE NUT. THE THINNER LOCKING NUT STILL CONTACTED CATERPILLAR EXCAVATORS DUE TO THE FACT THE DIMENSION FOR THE END OF THE STICK TO THE CENTER OF THE PIN HOLE IS GREATER THEN ON OTHER EXCAVATORS. THIS "BOTTOMING OUT" ON THE LOCK NUT DAMAGES THE NUT CAUSING POTENTIAL FAILURE AND DROPPING OF THE END FACER.

Path Forward

A THREE INCH RISER WAS INSTALLED ON TOP OF THE ORIGINAL SWIVEL PLATE TO ALLOW FOR SUFFICIENT CLEARANCE AND A PROPER MACHINE NUT. THERE IS NO POSSIBLE POTENTIAL FROM CONTACT OF THE BOLT OR NUT USING THIS DESIGN. AS AN ADDED PRECAUTION THE NUT IS TACK WELDED.



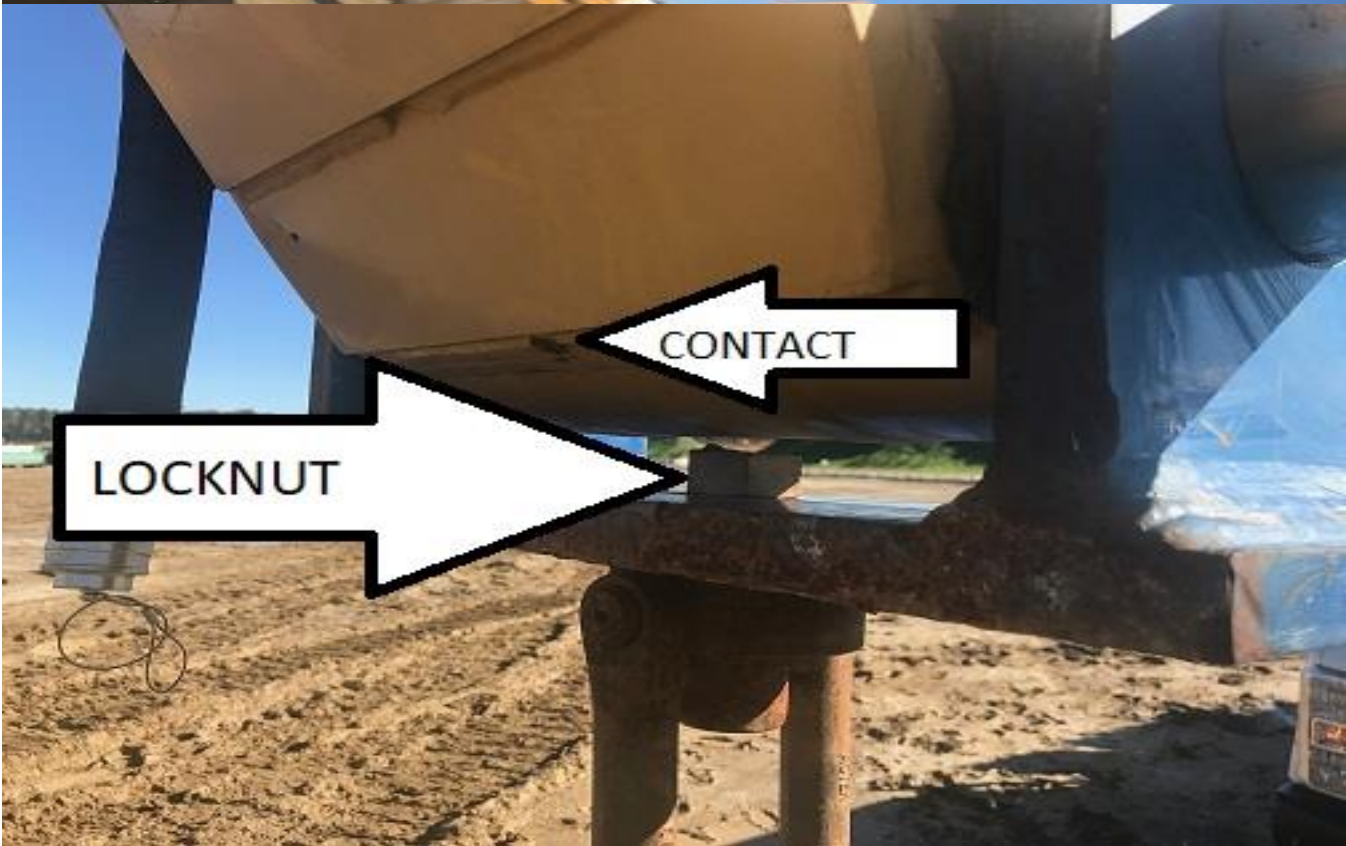
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SWIVEL STOPPED BY LOCKNUT



CONTACT

LOCKNUT



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THREE INCH RISER ADDED TO TOP PLATE OF SWIVEL WITH CLEARANCE HOLE TO ACCESS CORRECT NUT WITH A SOCKET.



VIEW OF THROUGH HOLE TO ALLOW ACCESS TO CORRECT NUT WITH SOCKET.



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REPAIRED SWIVEL IN USE



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