



Product Support Bulletin 2009-004

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Maintenance of Way ~ Work Equipment Bulletin

DATE: June 23, 2009

SUBJECT: Spike Puller Workhead Manual Lock Pin Kits
Standard Workhead (1" Pin) – 98350044
Lewis Bolt Workhead (1-3/8" Pin) – 98350045

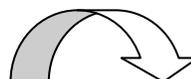
RATING:	<input type="checkbox"/> DIRECTIVE (Action is required)	<input checked="" type="checkbox"/> ALERT (Potential Problem)
	<input type="checkbox"/> INFORMATION (Action is optional)	<input type="checkbox"/> PRODUCT IMPROVEMENT (Enhance Product)

MACHINE MODEL(S): Super Claws Spike Puller
Grabber Spike Puller
SP2R Spike Puller

SERIAL NUMBER(S): Super Claws: 101-350548
Grabber: All
SP2R: All except machines equipped with Power-operated Lock Pins

SUMMARY: The original Manual Workhead Lock Pin, p/n 54261101 and 54266240, is retained in the Workhead while pulling spikes by a Roll Pin or Capscrew that engages a detent slot in the Retainer on the Workhead Roller Frame. See Figure 1 on Page 2. While the machine is working, it is possible for the Lock Pin to rotate and move into the locked position. The Spike Pulling Head can hit the Lock Pin and cause it to bend or be forced back into the unlocked position. This can bend or break the Lock Pin Retainer. See Figure 2 on Page 2.

New Lock Pins, p/n 54262375 (1" dia.) and 54266236 (1-3/8" dia.), have been designed to prevent this problem. These pins use an allen wrench which fits into a hole in a square boss that is bolted to the Workhead Roller Frame. This prevents the Lock Pin from rotating and keeps it engaged with the Retainer. The Lock Pin cannot move into the locked position preventing it from being hit by the Pulling Head. See Figure 3 on Page 3.



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OPERATIONAL

IMPACT:

If the Lock Pin Retainer is damaged or broken, and the Lock Pin falls out, it is impossible to pin up the Workhead for travel.

ACTION:

The new Lock Pins are available in a kit containing all the parts required to install the new pins on one Workhead. There are 2 kits available: 98350044 with 1" diameter pins for the Standard Workhead, and 98350045 with 1-3/8" diameter pins for the Lewis Bolt Workhead. Check the pin diameter of your machine to make sure you order the correct kit. See the chart below for a list of the parts contained in each kit.

PARTS INCLUDED IN KITS 98350044 & 98350045		
Part Description	Kit 98350044	Kit 98350045
Lock Up Bracket	21300013	21300012
Workhead Pin	54262375	54266236
Spring Pin	3385029	3385045
Capscrew	2775381	2775381
Locknut	3042025	3042025

Two holes must be drilled in each side of the Roller Frame to mount the new Lock Up Bracket.

WARRANTY: None

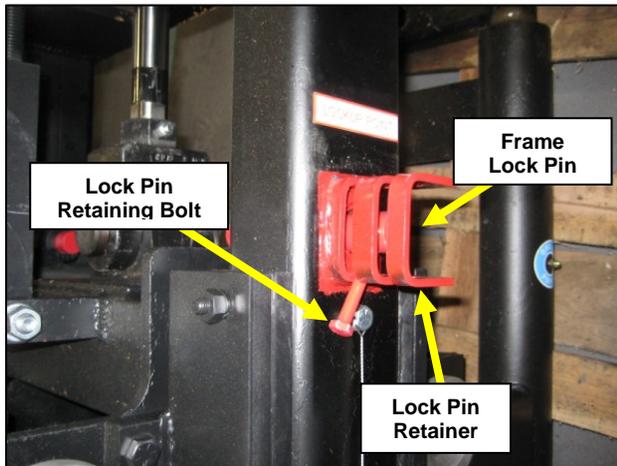


Figure 1

Original Roller Frame Lock Pin
P/N 54261101(Standard) or 54266240 (Lewis Bolt)



Figure 2

Damaged Lock Pin Retainer

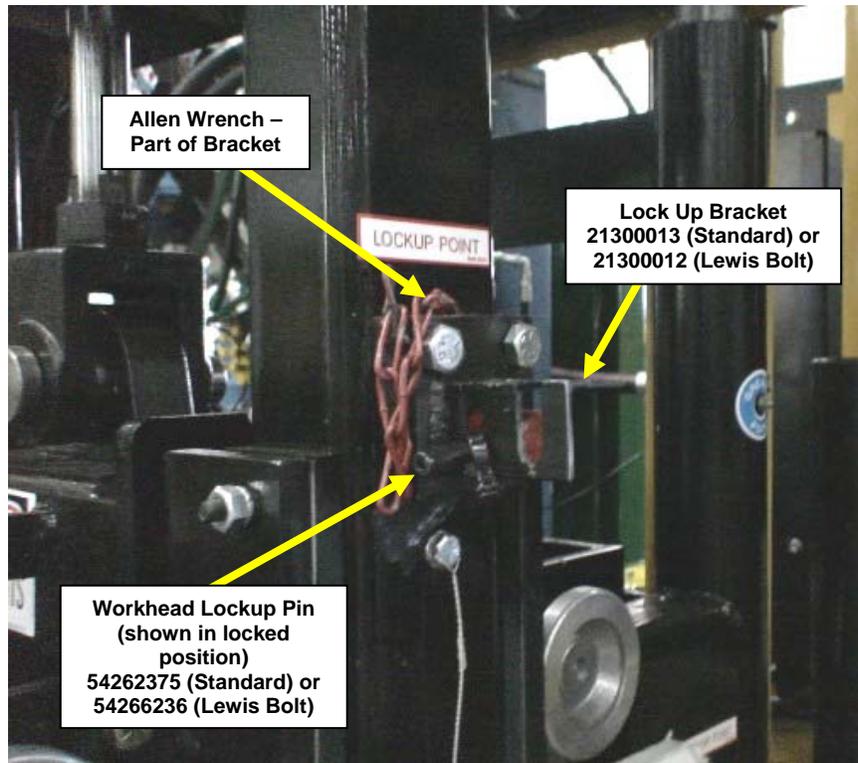


Figure 3

New Lockup Pin and Lock Pin Retainer installed on Roller Frame Kit 98350044 or 98350045