Product Support Bulletin 2009-014

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Maintenance of Way ~ Work Equipment Bulletin

DATE: June 23, 2009

SUBJECT: Heavier Brake Spring – 3627950

RATING:

- [ ] **DIRECTIVE** (Action is required)
- [X] **ALERT** (Potential Problem)
- [ ] **INFORMATION** (Action is optional)
- [ ] **PRODUCT IMPROVEMENT** (Enhance Product)

MACHINE MODEL(S):
SP2R Spike Puller
NSCA Spring Clip Applicator
NVCAR Vossloh Clip Applicator/Remover

SERIAL NUMBER(S):
SP2R: 310001-310154
NSCA: 290026-290027
NVCAR: 140300-140301

SUMMARY: A heavier Brake Spring, p/n 3627950 is available to increase the braking force applied to the wheels. The 3627950 Brake Spring is also used on all Model C Spikers and CX Hammers and has a wire diameter of 13/16". The original 3626150 Brake Spring has a wire diameter of 5/8"

OPERATIONAL IMPACT: Installing the 3627950 Brake Spring on both axles will decrease the stopping distance of these machines. SP2R machines s/n 310155 and higher, NSCA machines s/n 290028 and NVCAR machines s/n 140302 and higher have had the heavier springs installed at the factory.

ACTION: The 3627950 Brake Spring is directly interchangeable with the original 3626150 Brake Spring. Follow these instructions to replace the Brake Spring:

1. The complete Brake Cylinder Assembly must be removed from the machine. See Figure 1 on Page 2.
2. Remove the Clevis from the Cylinder Rod. The clevis is secured to the rod with Locktite Red 268 and may have to be heated to allow removal of the Clevis.
3. Install ½" diameter threaded rods through the holes in the Brake Spring Retainer. Thread a nut onto the cylinder end of each threaded rod and thread the threaded rod into the threaded holes in the Brake Cylinder flange. Tighten

the nuts against the flange on the Brake Cylinder to prevent the threaded rods from turning.

4. Thread nuts onto the threaded rod until they are against the Brake Spring Retainer.
5. Tighten the nuts until the spring tension is relieved from the retaining bolt.
6. Remove the spring retainer bolt. **CAUTION!** The Brake Spring is under high tension. Personal injury may result if the spring tension is not released during spring replacement. After the spring tension is relieved, the nuts and Brake Spring Retainer may be removed.
7. Loosen the nuts on the threaded rods evenly until the Brake Spring tension is entirely relieved.
8. Remove the nuts and Brake Spring Retainer.
9. Remove the old Brake Spring and replace with the new spring.
10. Install the Brake Spring Retainer over the Cylinder Rod and threaded rods.
11. Thread the nuts onto the threaded rods until they touch the Spring Retainer.
12. Tighten the nuts evenly to compress the Brake Spring. Compress the Brake Spring until the Spring Retainer Bolt can be installed.
13. Install the Spring Retainer Bolt and nut.
14. Remove the nuts from the threaded rod and remove the threaded rods from the Brake Cylinder.
15. Apply Locktite Red 268 to the Cylinder Rod threads and reinstall the Clevis on the Brake Cylinder Rod.
16. Reinstall the Brake Cylinder Assembly on the machine.

WARRANTY: None

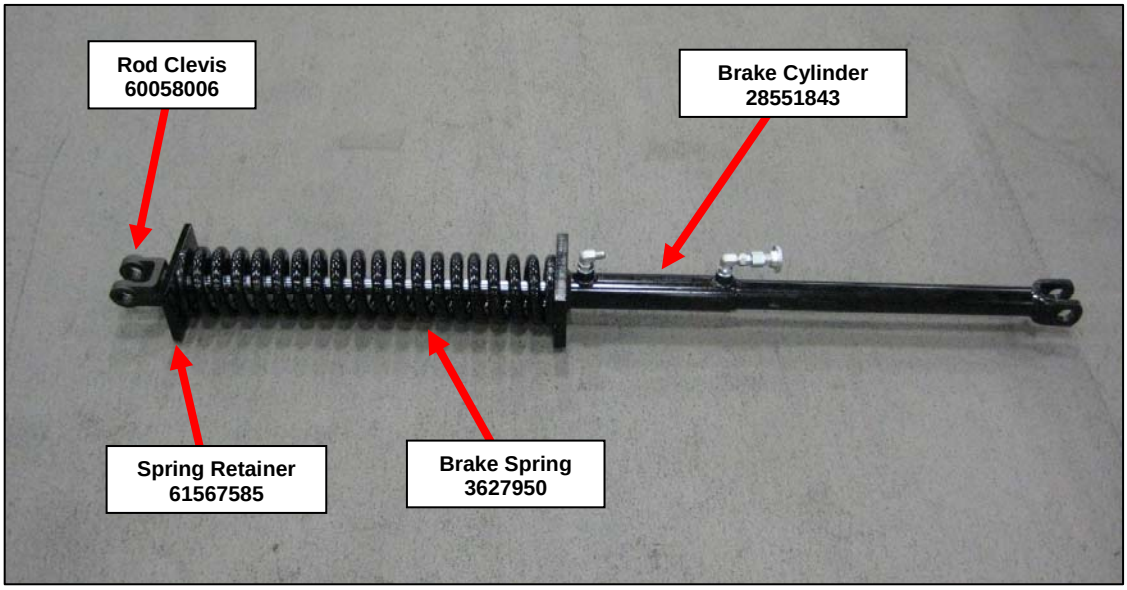

Figure 1