



S & S POWER, INC.
350 West 2500 North Logan, Utah 84341 USA
Phone: (435) 752-1987 Fax: (435) 752-1948
<http://www.s-spower.com>

SERVICE BULLETIN No. 02.10.30

DATE: October 28, 2002
TO: Owners and Operators of Space Shots, Turbo Drops, Double Shots,
Turbo Drop/Space Shot Combinations
ATTN: Maintenance Personnel
FROM: Service & Installation Department
SUBJECT: New Shear pin and Shear pin service life criteria.

In an effort to improve the quality and safety of S & S tower rides we have designed, tested, and approved a new shear pin. The new shear pin will be the only one approved for use on S & S tower rides for the 2003 season forward.

The new shear pin is heat-treated, machined and has an SS mark on the head. This makes it easy to distinguish from a normal bolt and will eliminate any confusion concerning what should be used as a "Shear Pin". The heat treating and machining ensures a precise shearing force needed to shear the pin. Each lot of pins are tested to ensure the shearing force is within engineering specifications.

Currently the wire ropes are changed every 50,000 cycles or one year which ever comes first. The new shear pins will have the same retirement criteria. A new shear pin and locknut will be shipped with each new upper wire rope ordered and must be installed when the new wire rope is installed. **The locknut must be replaced whenever removed for piston inspections ect... and must not be torqued when installed.**

The head and the thread ends of the shear pin should be safety wired back to the cart in order to retain the pieces in the event that the shear pin is sheared.

If you have spare wire ropes in your inventory or new wire ropes on your rides please contact S & S and order new shear pins. Make sure to order one shear pin for each upper cable.