



SERVICE BULLETIN SB0201

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Spindle Steering Arms # SPI 8054

This bulletin covers the front spindle steering arms sold by McKinney Corp. used on dragster applications. There have been incidents recently of the arm bending down when the car backs up. This is due to, but not limited to, the severe caster used on a dragster, improper toe in settings, backing up to fast, improper handling of the car in the pit area, allowing the spindles to turn too far to the right or to the left, and most recently seems to be compounded by the new front tire that is now available.

The Original Steering Arm

The original steering arm (see Fig.1) is machined from 4140 material, bent 26 degrees at the edge of the spindle area, to accommodate for the caster, then bent again 7.5 degrees to accommodate the kingpin inclination. This configuration then allows the spherical ball in the end of the arm to be 90 degrees to the ground in the neutral position. The steering arms that have been returned to us have shown that the arm bends down at the edge of the spindle area. **DO NOT WELD ON THESE ARMS. 4140 MATERIAL IS NOT CONDUSIVE TO STRUCTURAL WELDING!**

The New Steering Arm

The new steering arm, part number SPI 8055 (see Fig. 2 & Fig. 3) is designed as a direct replacement, machined from 4130 material, and made in two pieces. The cap is machined with a lip / gusset for the attachment of the arm. The arm is then machined from 4130, with the same spherical ball in the end, and a web machined into the arm itself. The arm is then welded to the cap with the two compound angles achieved at the joint, eliminating the need to bend the arm.

Replacement

McKinney Corp. recommends that the original steering arms be replaced with the newly designed steering arms immediately.

Cost

McKinney Corp. will exchange the arms for **\$50.00** pr. to get the new steering arms into service and get the old arms out of service. Please call 800-542-3088 for current SPI 8055 sell price.



Fig. 1
SPI 8054 Original Steering Arm



Fig. 2
SPI 8055 New Steering Arm



Fig. 3
SPI 8055 on Spindle