

Dartron

**Issuing Entity:**  
Dartron Industries, Inc

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**Bulletin #** BU-933

**Release Date:** June 14, 1993

**Effective Date:** June 14, 1993

**Supersedes:** None

**Completion Date:** N/A

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## SERVICE BULLETIN

Ride Manufacturer: Dartron Industries, Inc.

Affected Production Dates: 1991-1993

Ride Name: StarTrooper

Affected Serial #'s 11141-5S, 206061-5S, 210211-5S,

210301-5S, 210091-5S, 212081-5S, 212071-5S, 301181-5S

Model #

**Summary of Issue:** StarTrooper Sweep Cotter Pin Bulletin.

**Reason for release:** During transport, if excessive upward pressure is exerted on the sweeps by the sweep support bracket, sweeps could be forced upward on the pin and damage the cotter key.

**Action to be taken:** Sweeps are attached to the upper and lower hub plates by sweep pins. The lower hub plate pin was manufactured with a cotter key located above the sweep on the lower hub pin. Remove the cotter key and replace it with a 1/4" NC grade 8 plated bolt x 2 1/2" LG. Secure the bolt with a Nyloc or Stover type nut.

**Parts required:** 10 grade 8 1/4" NC bolts x 2 1/2" LG.  
10 Nyloc or Stover nuts.

**Directions:**

1. Cotter keys should be removed with the wheel in the open or ride operational mode.
2. Use 1/4" bolt to drive out cotter key.
3. Insert bolt in existing hole and tighten locking nut against pin.