

Dartron

Issuing Entity:  
Dartron Industries, Inc

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Bulletin # ST-080101

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Supercedes: None

Completion Date:

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## SERVICE BULLETIN

Ride Manufacturer: Dartron Industries, Inc.	Affected Production Dates: All
Ride Name: StarTrooper	Affected Serial #'s All
Model # All	

**Abstract of Issue:** An undetected failure of a spherical bushing located at the lower mount for the boom lift cylinder can result in a very expensive repair.

**Reason for release:** Reports have been received concerning failures due to lack of lubrication of the lower boom lift cylinder mount bushing. Some of the failures have been very expensive and difficult to repair because the StarTrooper operated for an extended period after the bushing failed. Continued operation of the ride with a failed bushing can result in progressive damage to the cylinder mounting pin, the bushing housing and possibly the cylinder base.

**Action to be taken:**      **Daily-**Add lubrication to both bushings  
   **Weekly-** Supervision to inspect bushing to insure proper functioning.

**Detail of issue:**

**Daily lubrication**

- Raise boom to full up position.
- Pump grease into bushing until grease is observed exiting bushing.

**Weekly Supervisor inspection**

- Observe bushing being lubricated.
- Be sure bushing takes the grease.
- Raise and lower boom. Listen and watch for indications of a bearing failure.
- Listen for audible squeal caused by the metal of a failed bushing rubbing against its housing.
- Observe lower cylinder base to be sure it is rotating freely around bushing housing as the boom is raised and lowered.