Dartron

Issuing Entity: Dartron Industries, Inc

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Bulletin # SR-5K-005

Release Date: April 29, 2005

Effective Date: May 1, 2005

Supercedes: N/A

Completion Date: Annually

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SAFETY BULLETIN

Ride Manufacturer: Dartron Industries, Inc.	Affected Production Dates: All Portable Cliff Hangers
Ride Name: Cliff Hanger	Affected Serial #'s: All Portable Cliff Hangers
Model #'s: All Portable Cliff Hangers	

Abstract of Issue: An incident occurred on a Cliff Hanger ride operating in Florida during 2004. The incident resulted from a failure in the Car Hanger Stem at the location of the four gussets that are welded to the Stem and the Arch Assembly. As a result of investigations into the incident Dartron Industries, Inc. is requiring that an annual inspection of the Cliff Hanger ride be conducted.

Reason for release: The requirements for the Cliff Hanger inspection that Dartron is requiring all Cliff Hanger owners to undertake annually are included in this Bulletin. Dartron Industries, Inc. does not require an MT inspection but does require a visual inspection in the four locations described below:

Action to be taken:

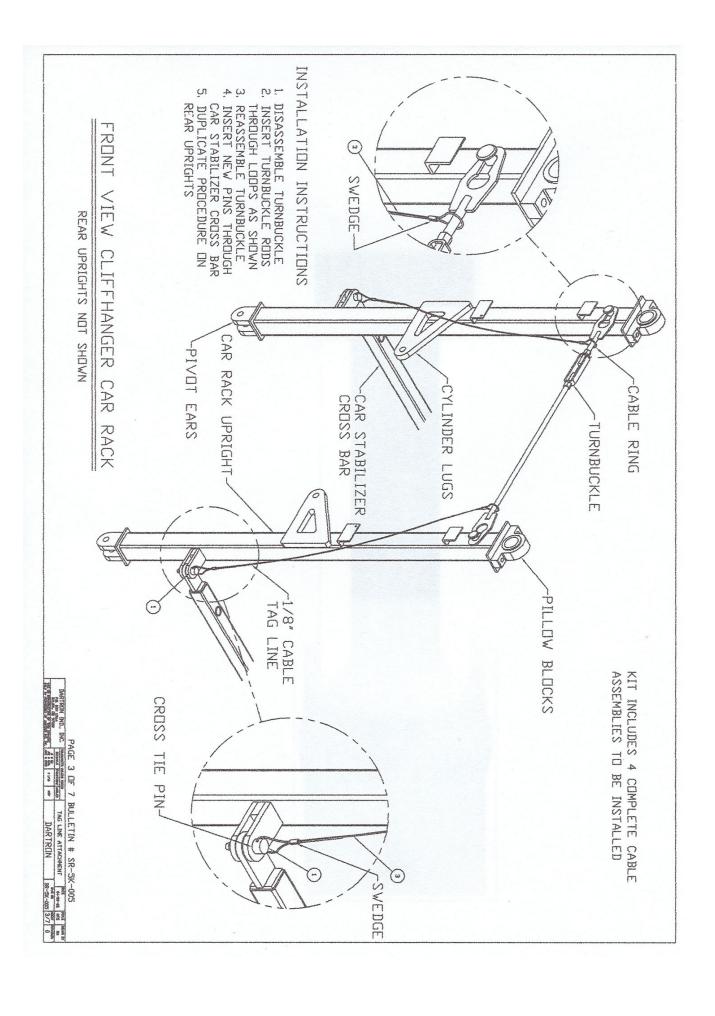
- 1. No Cliff Hanger is to be operated in a new calendar year until the requirements of steps 3 through 6 are satisfied.
- 2. The results of the inspection must be attested to by the owner of the Cliff Hanger Ride and recorded on the attached form. During the calendar year following the inspection the Inspection Record form must be available at the ride location and when requested shall be presented to inspecting authorities.
- 3. A visual inspection must be performed to ensure that the Cliff Hanger is using four Car Stabilizer Bar pins with cables attached. The cables must be attached to the car rack turnbuckles as shown on Page 3 of this Bulletin. The Cliff Hanger car racks **must not** be operated unless the Car Stabilizer Cross Bar pins are attached to the turnbuckles as shown on Page 3.
- 4. Car Hangers Stems must be visually inspected for damage caused by lowering the rack without removing the Car Stabilizer Cross Bar pins. See Page 4. Damaged Car Hangers <u>must not</u> be used if two or three individuals manually lifting the car cannot insert the Stem into the Lower Hanger Block.
- 5. All car hangers must be visually inspected for any indication of cracking or other damage. Particular attention should be paid to the welds and their heat affected zones of the four gussets that are welded between the Stem and the Arch Assembly. See Page 4.

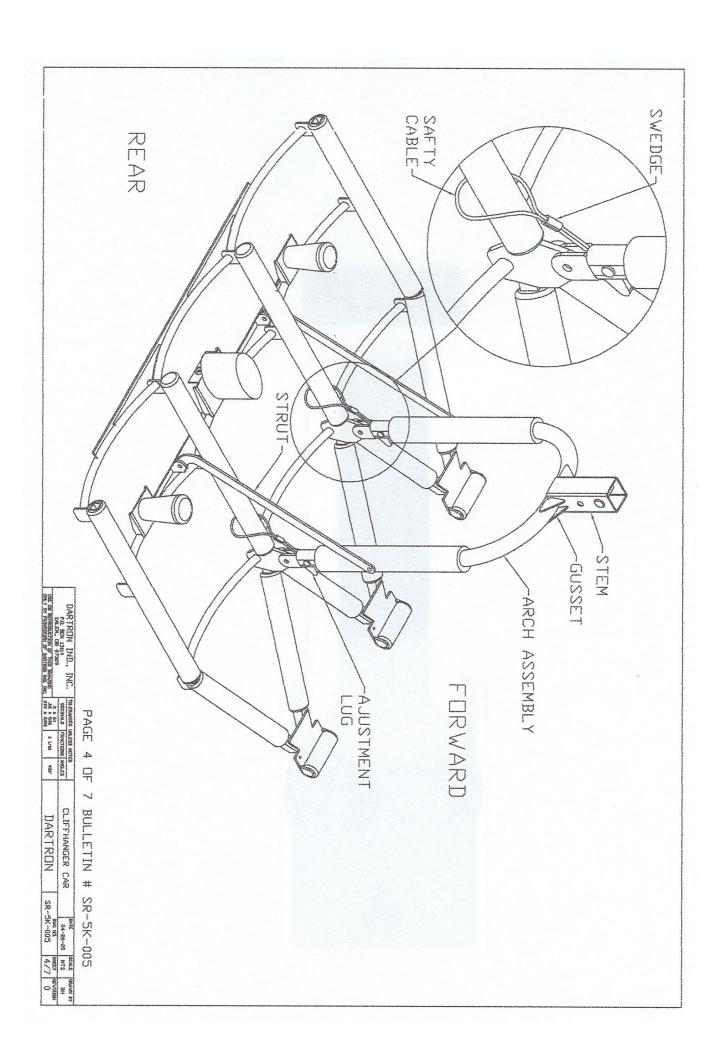
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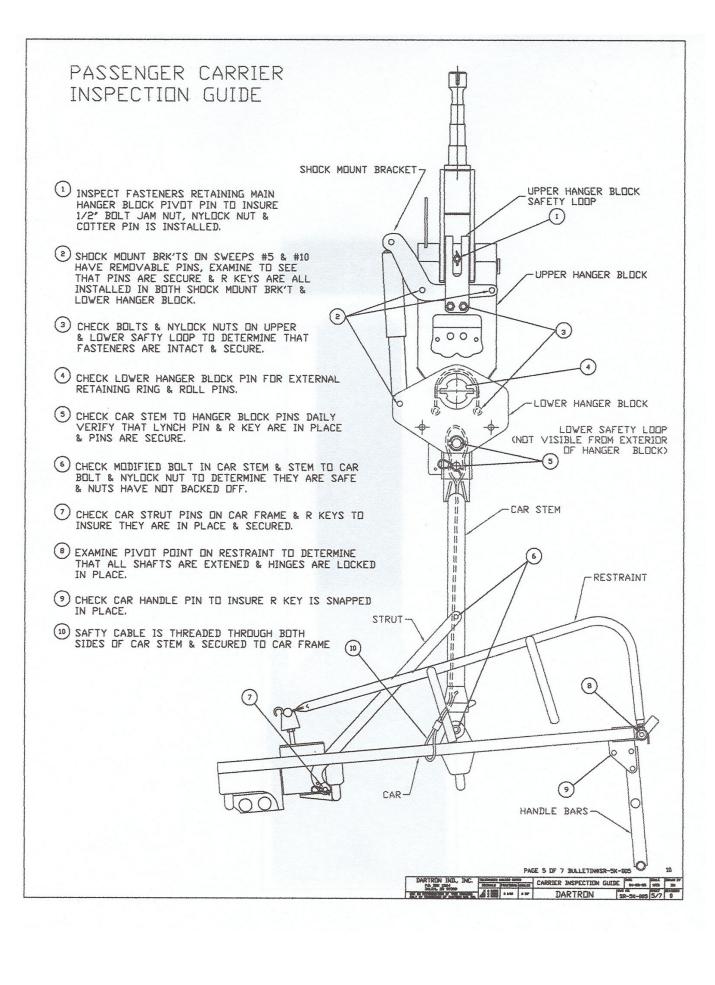
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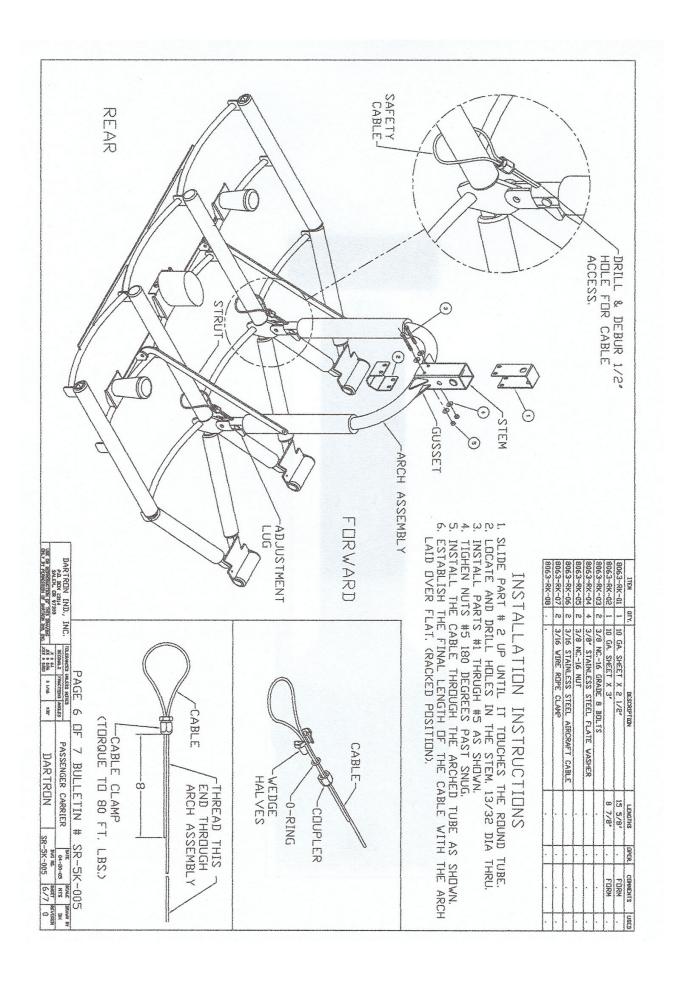
6. Each Car Hanger Stem must be inspected to ensure that one of the two Dartron approved back-up systems is installed on each car hanger stem. Dartron approved back-up systems include; 1) a cable inserted inside the Arch Assembly and Stem and attached to both sides of the passenger carrier. The cable can be visually inspected in the Stem by looking into the top of the Stem when the Car Hanger is not attached to the Hanger Block. 2) A cable inserted inside the Arch Assembly and attached to both sides of the passenger carrier but not routed through the stem combined with a Dartron supplied formed stainless steel safety strap around the Stem and Arch Assembly. See Pages 5 and 6.

7. An Annual Inspection Form is attached. See Page 7. Contact Dartron at 800-421-5752 for additional Annual Inspection Forms.











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Cliff Hanger Annual Inspection Form

	1	2	3	4	5	6	7	8	9	10
No Cracking										
No Impact										
Damage										
No Other Domeses										
No Other Damage										
Safety Backup										
Intact										
Easily Inserted										
Into Lower										
Hanger Block										
Car Rack Stabilizer Cliff Hanger S/O #	Bar I	Pins V	Vith C	ables .	Are Ins	talled aı	nd Intac	t		_
Date Of Inspection										
Inspectors Name (Print)										
Inspectors Signature Inspectors Title	=									