

Dartron  
Salem, Oregon 97309

Issuing Entity:  
Dartron Industries, Inc

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Bulletin # PI-04020K-02

Release Date: February 27, 2004

Effective Date: February 26, 2004

Supercedes: N/A

Completion Date: April 1, 2004

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## PRODUCT IMPROVEMENT

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

**Abstract of Issue:** Dartron has designed a more robust car hanger for the Cliff Hanger ride. The more robust car hanger locates the gussets on the front and rear faces of the square and round tubes. At one location in the car transport rack this gusset configuration creates an interference with the car transport rack. The only location where this interference is experienced is the third position in on both the driver and passenger side car transport racks. To be able to transport the more robust car hanger in the third position in either transport rack a modification must be made to the rack.

**Reason for release:** To inform Cliff Hanger owners who receive the more robust car hanger of the interference problem and to provide information on the procedure to be followed to correct the interference.

### **Action to be taken:**

1. Dartron will provide a template to be used to identify the material that should be removed from the car transport rack.
2. Place the template on the web of a transport rack. See Page two.
3. Align the hole in the template with the hole in the web and align the bottom point of the template with the similar point on the web. See Page two.
4. Mark the material to be removed.
5. Material can be removed by use of a grinder or by either an Oxygen Acetylene or Plasma arch cutting system.
6. The edge that is cut must be ground or sanded smooth to remove any slag or gouging from the cutting process.
7. A clean smooth surface of the cut area is essential to avoid stress risers that, over time, could result in cracking.

REAR OF RACK

-ALIGN HOLE IN TEMPLATE WITH HOLE IN WEB.

DO NOT REMOVE ANY MATERIAL  
FROM THE RADIUS ON THIS  
SIDE.

FRONT OF RACK

REMOVED MATERIAL

-ALIGN THESE POINTS.

TEMPLATE

(AVAILABLE UPON REQUEST.)

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DARTRON IND., INC. P.O. BOX 1914 SHELBY, OH 45209	DIMENSIONS UNLESS NOTED		CH CAR RACK GLUSSET INTERFERENCE	DATE 02-25-84	SCALE N/A	DRAWN BY JW
	DECIMALS	FRACTIONS/ANGLES				
SEE "DIMENSIONS" OF THIS DRAWING	ALL DIM.	0.000	0.00			
DARTRON			P104020K-02	2/2	0	