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DATE: MAY 16, 1990

SUPERSEDES: B61-0217-00  
B61-0273-00

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## SERVICE BULLETIN

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Effective Serial Number: All Units - Chance Rides, Inc.  
All Units - Chance Manufacturing Co., Inc.

Chance Rides, Inc. SPECIFICALLY DISCLAIMS ANY  
LIABILITY for losses associated with rides  
produced by Chance Manufacturing Company, Inc.

Ride: YO-YO

Subject: Sweep Cylinder

Chance Rides, Inc. requires inspection of all YO-YO amusement ride sweep cylinders to be completed within five (5) years after the ride was originally put into service and every five (5) years thereafter, as outlined in this bulletin.

To complete the five (5) year inspection procedure all YO-YO owner/operators must remove the sweep cylinders from their rides as outlined in SECTION II of this bulletin. Upon removal, the cylinder shall be returned to Chance Rides, Inc. for inspection, rework and certification.

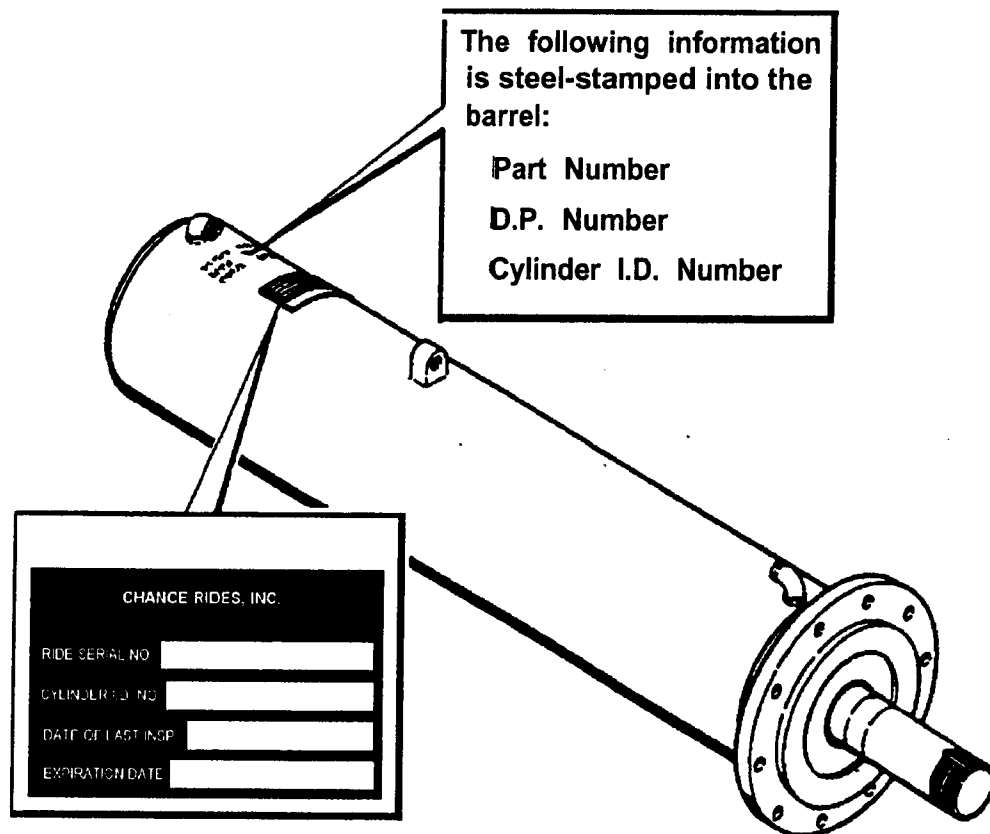
Chance Rides, Inc. rework consists of the following new parts:

1. New rod
2. New piston
3. New seal kit

Upon inspection, if the bore of the cylinder is greater than the manufacturer's specifications, the cylinder must be replaced.

DO NOT OPERATE THE RIDE AFTER THE EXPIRATION DATE OF THE CYLINDER.

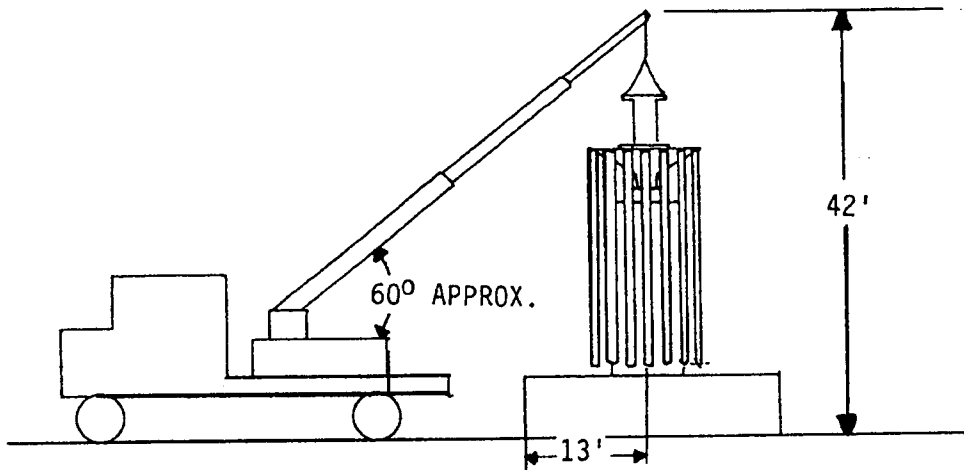
NOTE: If the cylinder identification markings are damaged, removed or are otherwise illegible, contact the Chance Rides, Inc. Customer Service Department,



## SECTION II

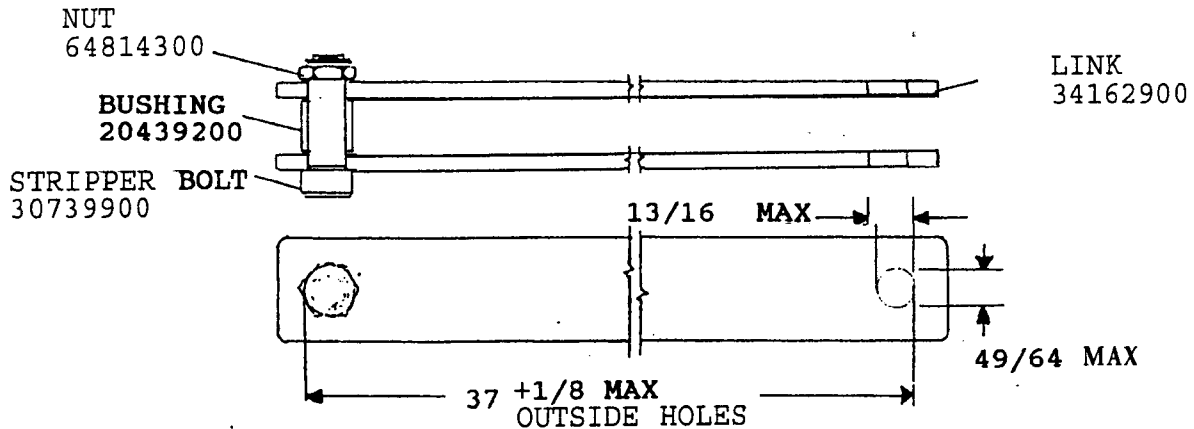
### REMOVAL OF SWEEP CYLINDER FROM THE RIDE

1. With the ride erected and the sweeps folded against the tower, remove the seats and 'T' bars.
2. Disconnect the bar linkage stripper bolts at the sweeps. Select two linkage bars 180 degrees and connect them together at the top with a stripper bolt, for use as a pick up. Bundle the remaining bars together with a rope.
3. Remove the 1" bolts, nuts and lockwashers holding the cylinder in the ride. Retract the cylinder rod by engaging the raise switch, stopping the retraction about 6" short of full retract.
4. Remove hoses from cylinder, and cap all open hoses and fittings. Remove handle from valve at base of cylinder and turn all fittings against the side of the cylinder body for removal clearance through the mounting hole.
5. Select a mobile crane with a capacity of 1500 pounds at boom angle and elevation as illustrated for removal of the cylinder.



6. Raise cylinder out of the top of the ride, observing clearance of plumbing, through mounting hole, as it is removed. Lower cylinder to a pallet on the ground, protecting the plumbing and bar linkage as it is being placed onto the pallet.

- Remove bar linkage from spider and inspect all stripper bolts and steel bushings for wear. Holes in bar linkage should not be elongated more than shown on illustration.



- Return cylinder to Chance Rides, Inc. for a five (5) year reconditioning and replacement of the rod.
- Sweep bearings should be inspected at this time by swinging each sweep out away from the tower four (4) to six (6) feet, with the aid of a 2x4 timber or bar. The sweep should free fall back into place without help. Sweeps that are bound up require new sweep bearings.

All work must be performed by qualified personnel, capable of understanding the function of the parts and their proper installation.

#### NOTICE

Use only those components authorized, specified or provided by Chance Rides, Inc.

Chance Rides, Inc. SPECIFICALLY DISCLAIMS ANY LIABILITY for losses associated with any unauthorized alterations and/or modifications or additions and installations of unauthorized components.