



ALLAN HERSCHELL

CHANCE
MANUFACTURING CO., INC.

Number: #77
Date: 9-12-74

Superceeds:
Number:
Date:

Service Information

Ride: YO YO

Subject: GUSSET PLATE ADDITION

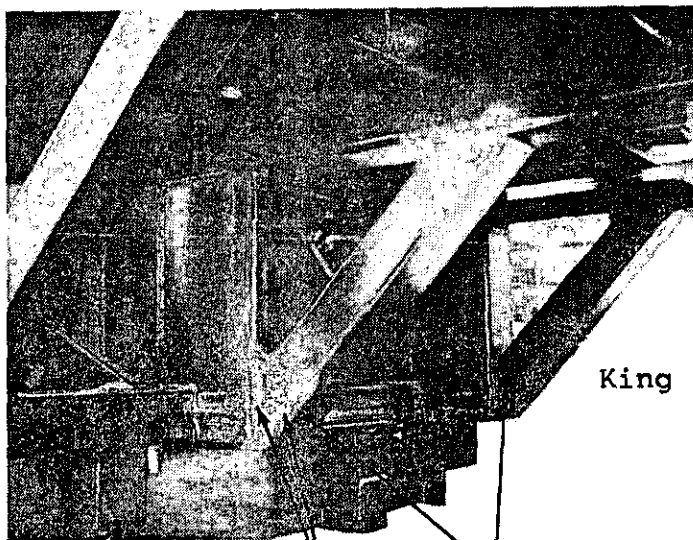
SERIAL NUMBERS: 74-3300 THRU 74-3316, 74-3318

Because of a combination of factors, among them rough road conditions, one area of the YO YO trailer is receiving a higher degree of stress than was expected. This has resulted in the partial failure of the weld joints.

As soon as we receive the enclosed card from you, we will ship eight gusset plates which should be added to the trailer as shown.

It is important that these gusset plates be added even though your trailer presently shows no signs of fatiguing.

PART NUMBER	DESCRIPTION	NO. REQ'D.
376-550-133	Gusset Plate	8



King Pin Section of Trailer

3/8 inch Fillet Weld-two sides-
E70XX Rod

Weld gusset plates on both
side of tube

Factory and General Office, 4219 Irving, Box 2397 Wichita, Kansas 67201

Area Code (316) 942-7411

Sales Office:

103 Ross Ave., Dallas, Texas 75202

Area Code (214) 742-3802



Number: 94

Date: 12-5-74

Supersedes:

America's Largest Manufacturer of Amusement Rides

SERVICE BULLETIN

Effective Serial Numbers:

Ride: Y0 Y0

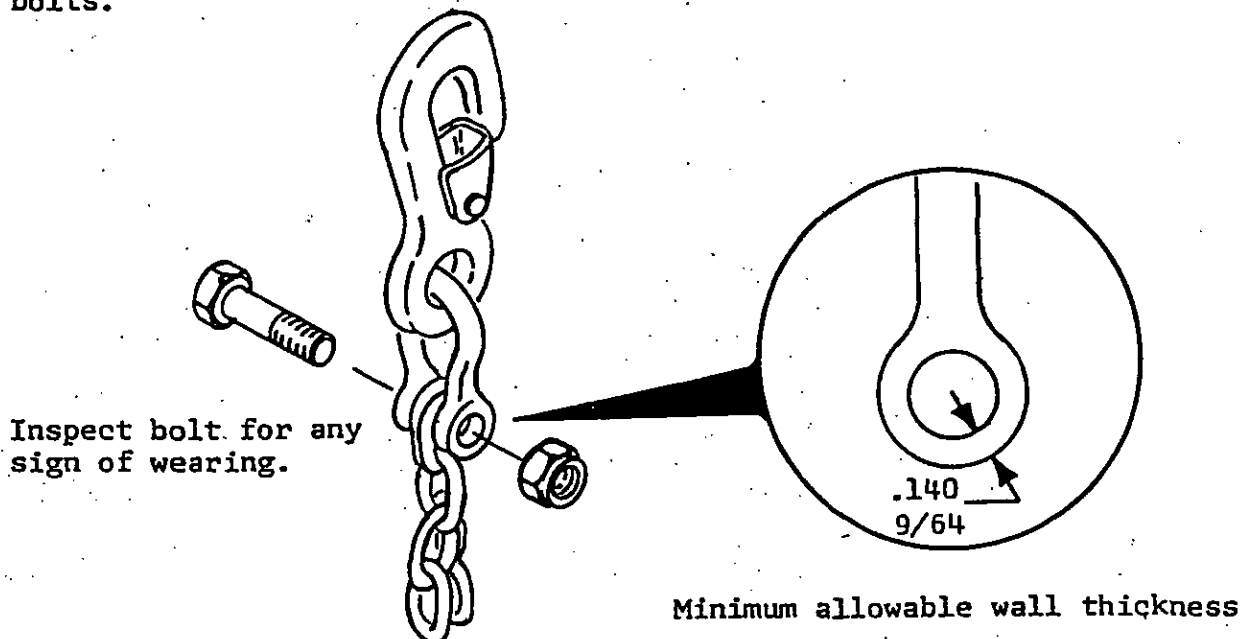
Subject: CHAIR CHAIN SHACKLE INSPECTION AND
BOLT REPLACEMENT

As a safety precaution, all Y0 Y0 owners are being asked to inspect the Shackles securing the chair support chain to the Snap Hook.

Because of manufacturing tolerances in the Shackles, the wall thickness of the eyes will vary. As a result of this condition, it has become necessary to specify a minimum wall thickness to insure an adequate safety factor.

All Y0 Y0 owners should check each Shackle, replacing any not meeting the minimum wall thickness requirements.

As the bolts are removed, they should be checked for any sign of wear. If wear is indicated, they should be replaced with 3/8-16 x 2" long Grade 5 bolts.



Shackles not meeting minimum wall thickness will be replaced, upon notification of factory.



ALLAN HERSCHELL

CHANCE
MANUFACTURING CO., INC.

102

5-29-75

Number:

Date:

Superceeds:

Number:

Date:

Service Information

YO YO

Rear Erection Cylinder Mount

Ride:

Subject:

URGENT

Recently we have become aware of a condition on the YO YO Ride that could cause a serious accident. The problem is in the area of the tower erection cylinder mount, shown on the back of this sheet. If your ride personnel reverse the direction of the tower lift cylinder with the tower stiff leg brace pinned in position, it may tear the rear erection cylinder mount off the trailer frame. This will allow the tower to fall when the pin is removed, which would have catastrophic results.

It is imperative that you check the rear erection cylinder mount immediately to see that it has not been broken or cracked. Also, you must alert your ride personnel as to this condition so they will not reverse the direction of the erection cylinder until the tower stiff leg pin has been removed.

In order to eliminate the possibility of this condition occurring, we are making a change in the hydraulic circuit that operates the tower erection cylinder. Please contact Richard G. Chance at the factory so we can schedule a service representative to make this change on your ride. This change will be made at no cost to you, and it is very important that you contact us immediately.

Factory and General Office, 4219 Irving, Box 2397 Wichita, Kansas 67201

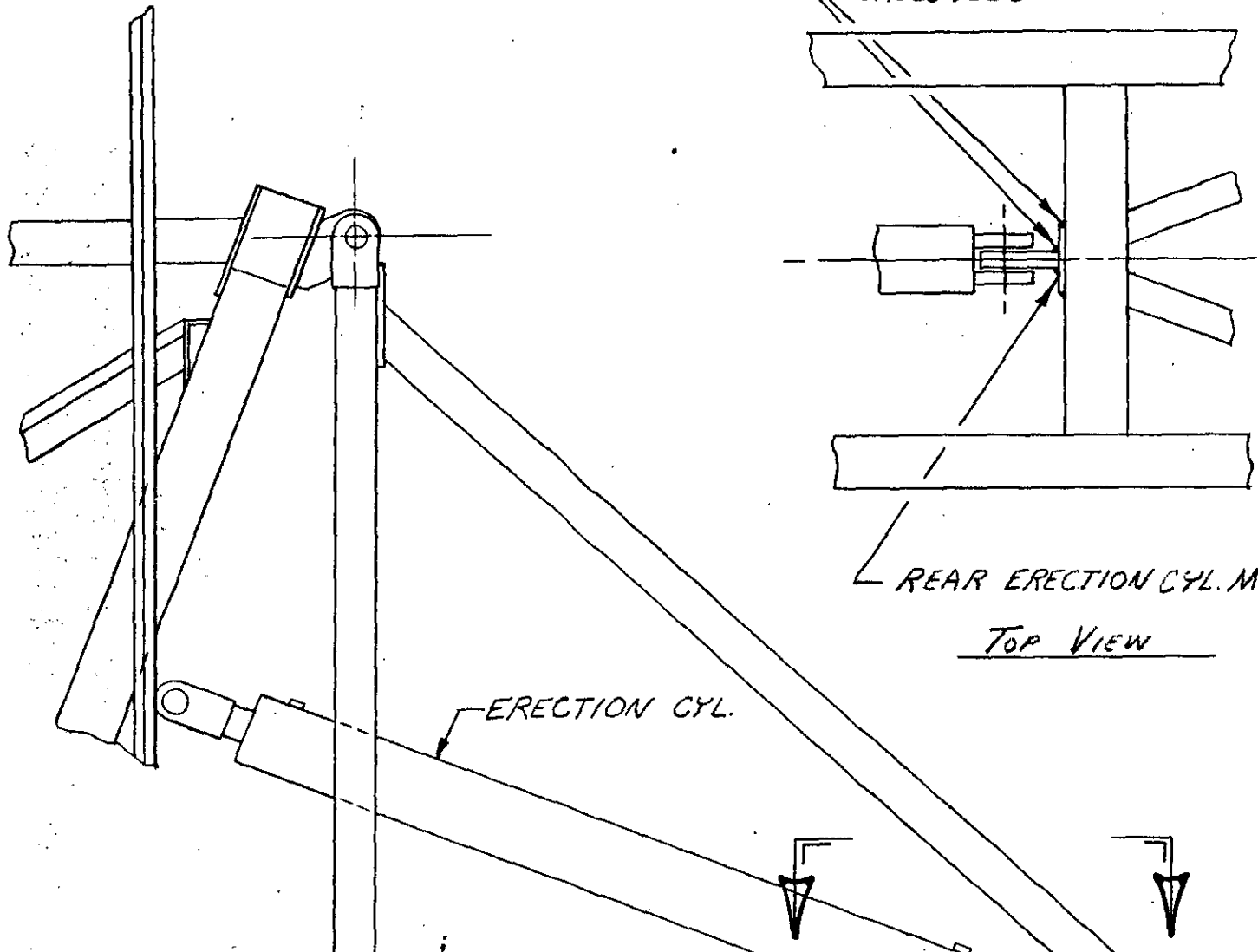
Area Code (316) 942-7411

Sales Office:

103 Ross Ave., Dallas, Texas 75202

Area Code (214) 742-3802

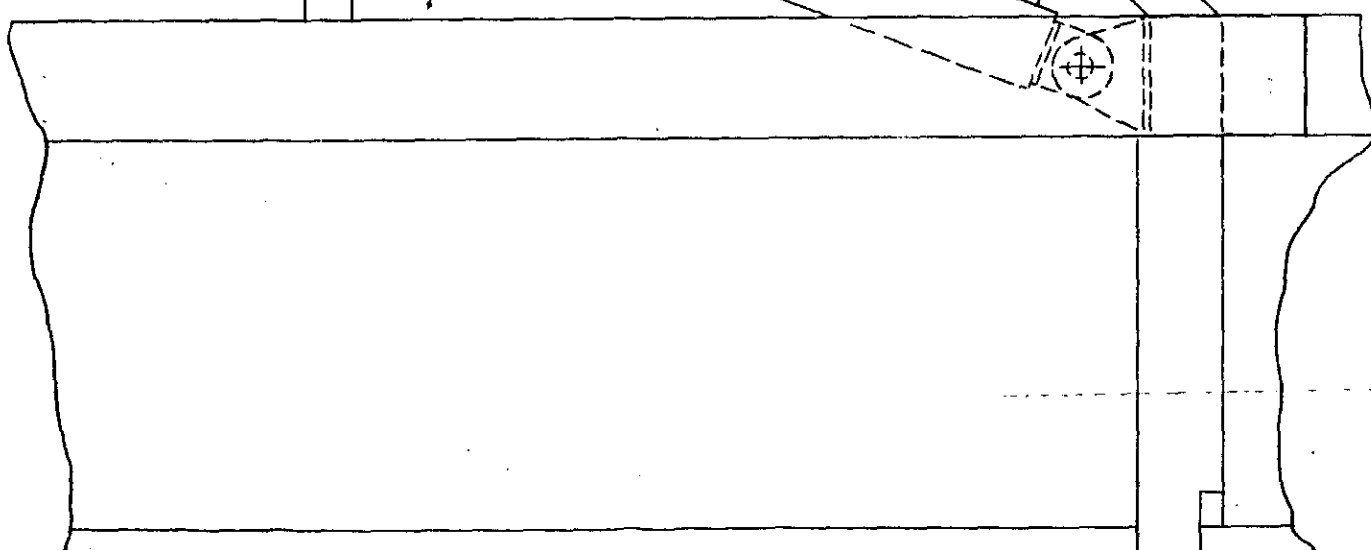
CHECK ALL WELDS AROUND
EAR & DOUBLER PLATE FOR
CRACKS & BULGING OF 6"x10"
CROSS TUBE



REAR ERECTION CYL. MOUNT

TOP VIEW

ERECTION CYL.



SIDE VIEW TRAILER



ALLAN HERSCHELL

CHANCE
MANUFACTURING CO., INC.

124

Number: 6-29-76

Date:

Superceeds:

Number:

Date:

Service Information

Ride: Y0 Y0 RIDES 74-3300 THROUGH
76-3342

Subject: CYLINDER END CAP CHECK AND
REPLACEMENT

Due to a sweep lift cylinder end cap having blown out on a Y0 Y0, we have had tests performed by an outside testing firm. The failure was determined to be due to an overloading of the hydraulic system. To prevent further incidents, maximum hydraulic pressure settings should not be exceeded and a new cylinder end cap installed. There is a hydraulic schematic for your ride attached to this bulletin. Rides 74-3300 through 75-3333 have had a temporary kit installed on the end cap which should serve through the remainder of the season. Rides 75-3333 through 76-3342 have been operating less than one season and should serve until the new design end cap can be installed at the end of this season.

New stronger design end caps will be available from the cylinder manufacturer for all rides through 76-3342 by mid-July. Make appointments for installation of these kits with Dick Chance as soon as possible. If you are in our area, installation is available at the factory. This installation will be much faster than road service, which is also available.

SEE REVERSE SIDE FOR DRAWING

Factory and General Office, 4219 Irving, Box 2397 Wichita, Kansas 67201

Area Code (316) 942-7411

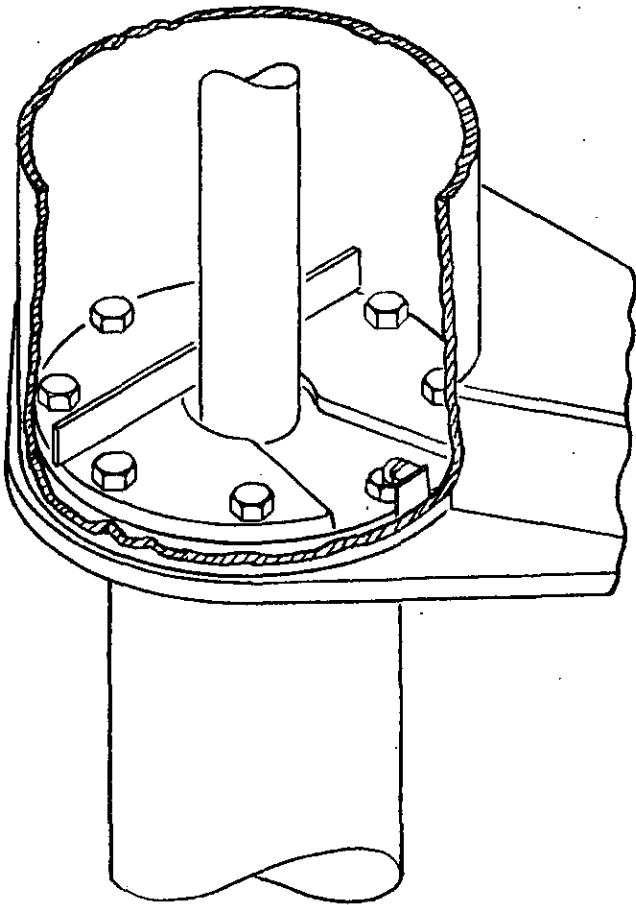
Sales Office:

103 Ross Ave., Dallas, Texas 75202

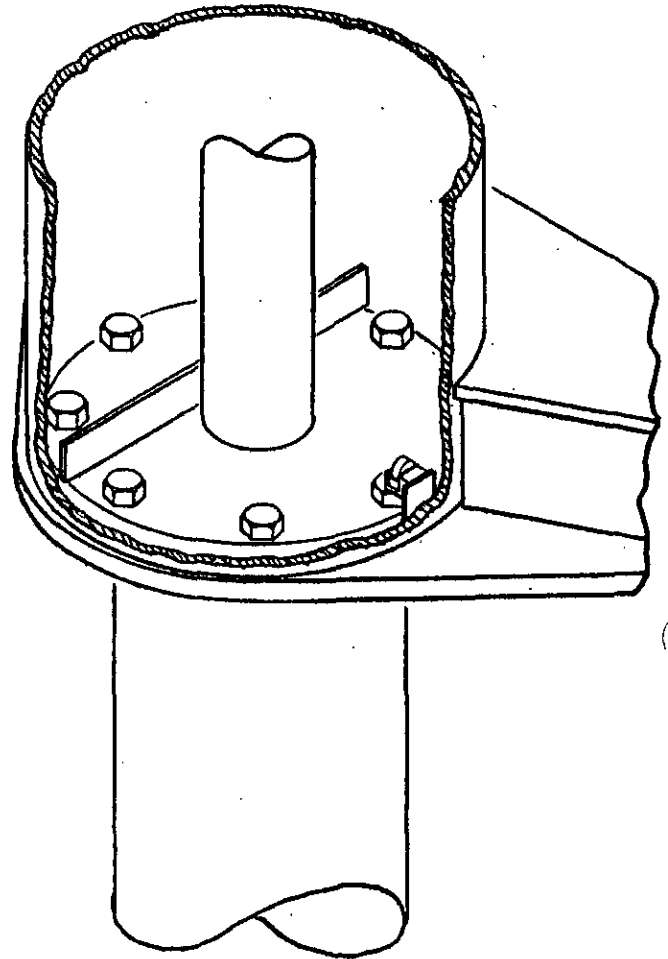
Area Code (214) 742-3802

To insure safe operation until the new design end caps are installed, cylinder end caps on all rides should be checked weekly as follows:

Place a straight edge across the end cap as shown in drawing. Check in at least two positions, 90° apart. Try to insert a 1/16" feeler gauge under straight edge. If end cap shows more than 1/16" gap, notify factory at once.



WITH TEMPORARY KIT



WITHOUT TEMPORARY KIT



ALLAN HERSCHELL

CHANCE
MANUFACTURING CO., INC.

Number: 125

Date: 6-29-76

Superceeds:

Number:

Date:

Service Information

Ride: YO YO

Subject: MAINTENANCE

During the recent inspection of YO YO's, several problems have been brought to our attention:

During set-up, pins securing sweep ends to tower must be removed before raising sweeps. Failure to do this has resulted in bent sweeps. If you cannot trust your help to remove the pins, leave them out when tearing ride down and wrap a chain around the sweeps securely.

On some rides the safety interlocks have been removed because of interference from bent sweeps. The interlocks are installed at the factory to help insure safe operation and should never be removed or altered.

The links and stripper bolts connecting the hub to the sweeps should only be replaced with factory purchased parts or parts meeting factory specifications.

The sweep pivot bearings should be greased weekly with the sweeps in full up, full down and several intermediate positions to grease the entire bearing. Teflon bearings which require no lubrication are available from the factory.

SEE REVERSE SIDE FOR DRAWING

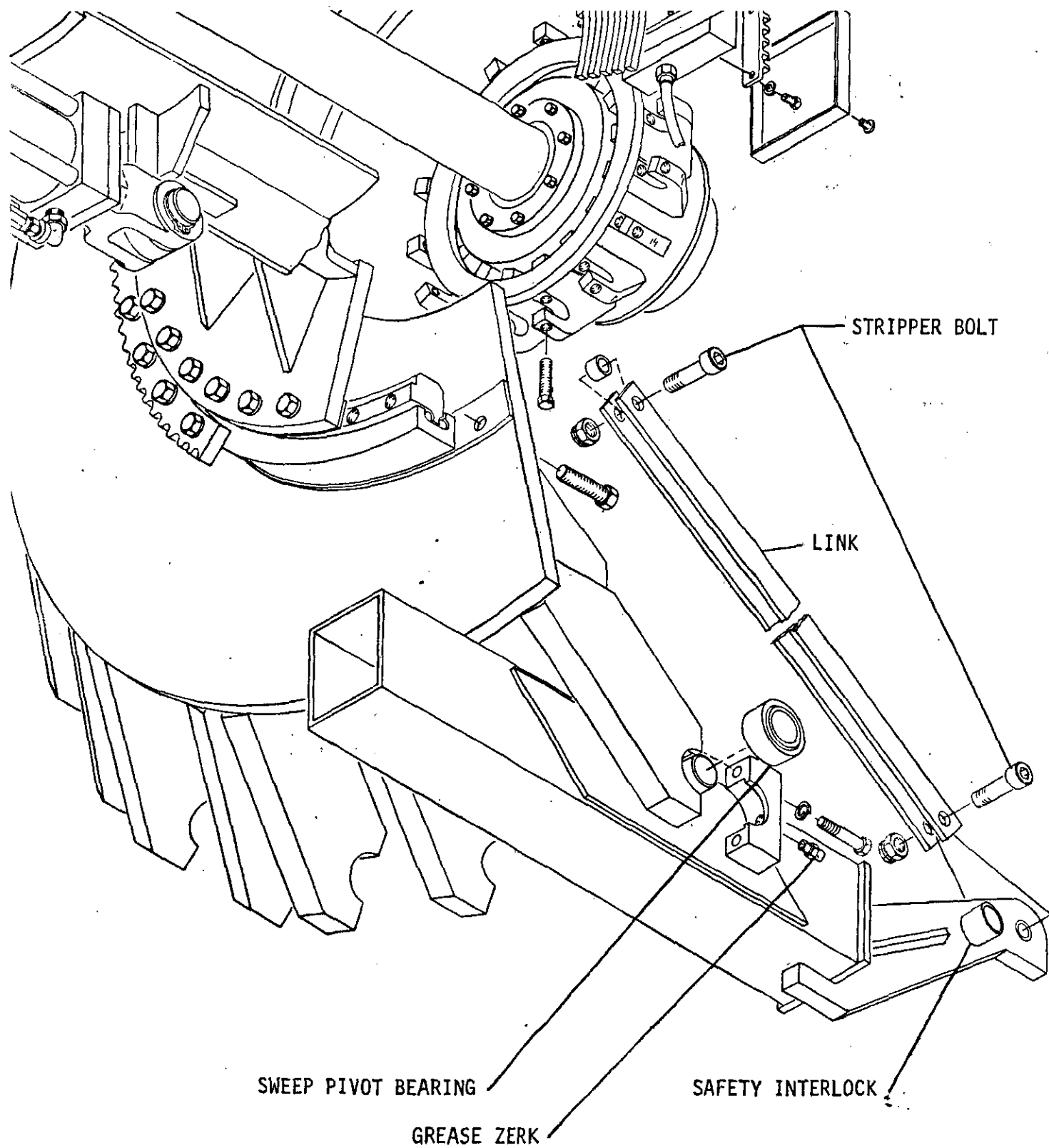
Factory and General Office, 4219 Irving, Box 2397 Wichita, Kansas 67201

Area Code (316) 942-7411

Sales Office:

103 Ross Ave., Dallas, Texas 75202

Area Code (214) 742-3802



Superseded B376R1077-0



Number: B61-0217-00

Date: 1-21-81

Supersedes:

America's Largest Manufacturer of Amusement Rides

Effective Serial Numbers: ALL UNITS

Ride: YO YO

Subject: SWEEP CYLINDER

Chance Manufacturing Co., Inc. has determined that inspection of all Yo-Yo cylinders is necessary on a regular basis as follows:

Rides 74-3300 through 77-3347 inspected immediately, and under no circumstances later than December 31, 1981.

Rides 77-3348 through 78-3352 inspected no later than December 31, 1982.

Rides 80-3353 and on, inspected no later than five (5) years after ride was put in service.

We ask that all YO-YO owner/operators, remove the sweep cylinders from their rides as outlined in SECTION II of this bulletin. Upon removal, the cylinder shall be inspected by qualified third party hydraulics and non-destructive testing organizations, as in SECTION III of this bulletin and re-inspected each two years thereafter, until they are ten years old.

Should the owner/operator desire a longer period between inspections, return of the cylinder to Chance Manufacturing Co., Inc. for inspection and replacement of the rod, piston, piston nut, wear ring and seals, will allow the operation of the cylinder for five years before it is necessary to begin the two year inspection intervals. This reconditioning will be performed during 1981 for \$1,572.00, which is our cost.

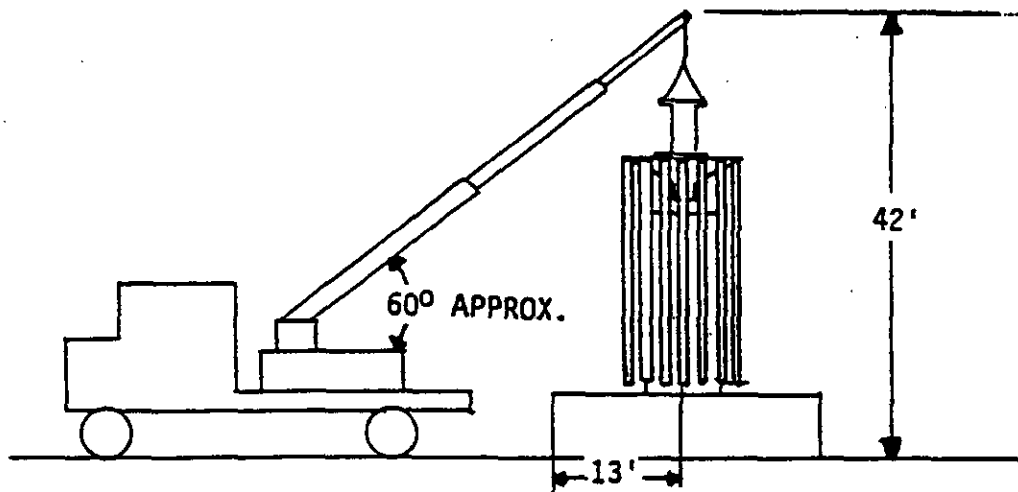
Inspections made by owner/operator selected third party organizations must be documented by these organizations with certified acceptance forms identifying the ride, and owner/operator as outlined in SECTION III, and forwarded to Chance Manufacturing Co., Inc. When certification is received by Chance, a metal tag will be sent to the owner/operator for attachment to the cylinder, indicating the certification of the cylinder for a period of two years, at which time the cylinder must be re-inspected or sent to Chance Manufacturing Co. for five (5) year reconditioning.

All YO-YO cylinders must be reconditioned by replacement of the rod, when the rod is ten years old.

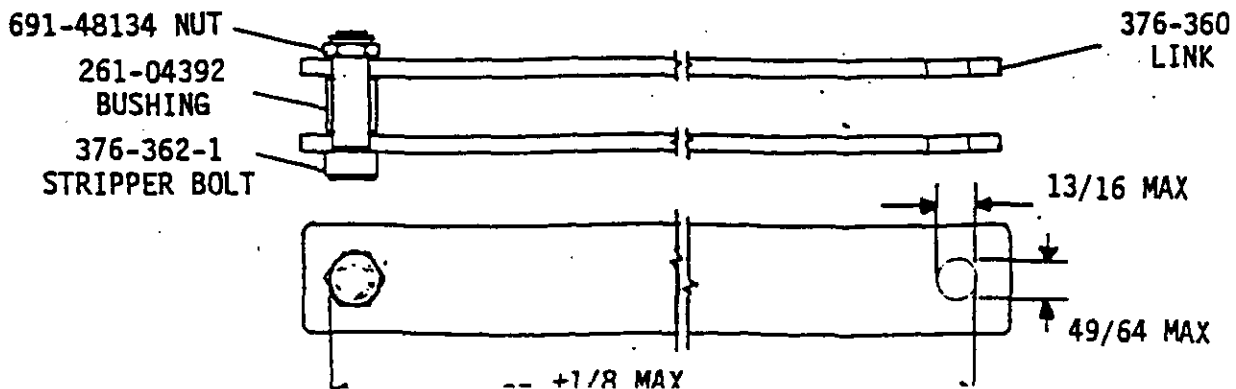
SECTION II

REMOVAL OF SWEEP CYLINDER FROM THE RIDE

1. Starting 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° apart 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.
7. 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.



8. Transport cylinder to qualified third party hydraulics and non-destructive testing organization for two (2) year inspection as in SECTION III of this bulletin, OR Return cylinder to Chance Manufacturing Co., Inc. for a five (5) year reconditioning replacement of the rod.
9. 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. New spherical roller bearings are recommended rather than the ball bushings used as original equipment. Kit number K61-174 is for replacement of bearings in one sweep. 16 kits are needed to replace all sweep bearings, total replacement is recommended rather than selective replacement.

SECTION III

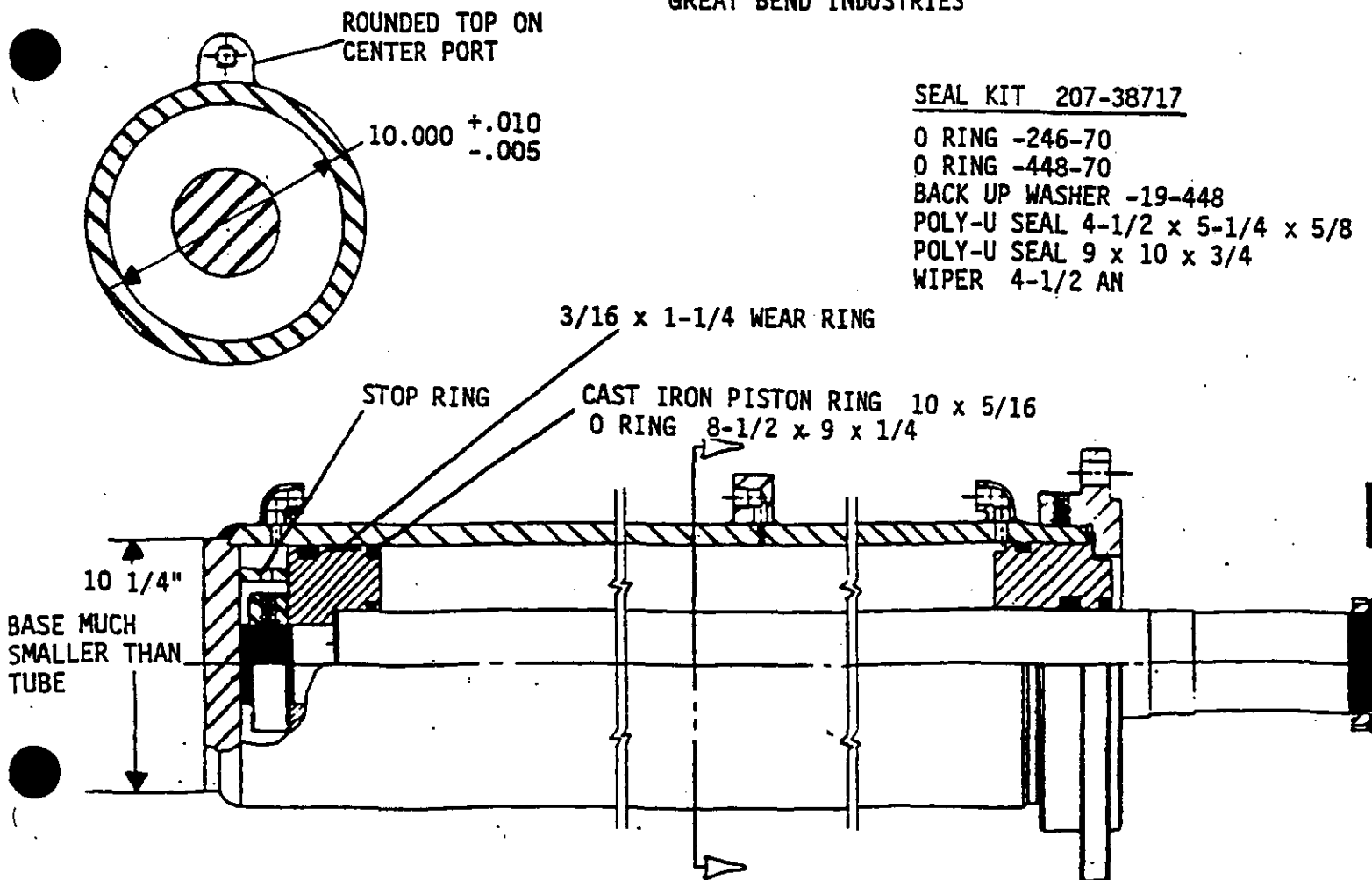
CYLINDER DISASSEMBLY

1. A competent third party hydraulic organization must be selected for disassembly and pressure testing of the cylinder.
2. Identification of the cylinder as to original Manufacturer is necessary to order the proper seal kits or other repair parts. Exterior examination will identify the cylinder as follows:

GREAT BEND INDUSTRIES

SEAL KIT 207-38717

O RING -246-70
 O RING -448-70
 BACK UP WASHER -19-448
 POLY-U SEAL 4-1/2 x 5-1/4 x 5/8
 POLY-U SEAL 9 x 10 x 3/4
 WIPER 4-1/2 AN



TEXAS HYDRAULICS

SQUARE TOP
CENTER PORT

10.040 \pm .010

SERIAL NUMBER
STAMPED ABOVE
LOWER PORT

1/8 x 1 WEAR RING.

STOP RING

BASE
ABOUT
SAME
SIZE
AS
TUBE

CAST IRON PISTON RING 10 x 5/16
O RING 8-1/2 x 9 x 1/4

NOT USED ON
3" LONG PISTON

SEAL KIT 207-38717

O RING 246-70

O RING 448-70

BACK UP WASHER 19-448

POLY-U SEAL 4-1/2 x 5-1/4 x 5/8

POLY-U SEAL 9 x 10 x 3/4

WIPER 4-1/2 AN

Hydraulic organization shall identify cylinder as above and fill out portion of Chance form dealing with identification, bore, stop ring, stroke measurement and pressure tests. Failure of cylinder to meet any of the required dimensions or tests, will require return to Chance Manufacturing Co., Inc. for five (5) year rod replacement and reconditioning.

3. Secure the cylinder, in an upright position, in a stand capable of supporting the cylinder and torquing the cap as illustrated below. 14 ft. head room for removal of the rod is required.

SECURE WITH
STRAPS OR CHAIN

TORQUING CYLINDER
OR BAR

14'

4. Disassemble the spider by removing the cover and gasket secured by 1/4" bolts. Loosen the tang on the lockwasher between the two nuts. Remove the upper nut, the washer and lower nut. Lift spider and bearings from the rod.
5. Wash and clean bearing and housing, cover and gasket. Inspect bearings inner and outer races, and grease seals. (We recommend new grease seals) Upon re-assembly, fill cavity between bearings full of grease, and re-seal gasket.
6. Remove double set of set screws and nylon plugs, securing cap to cylinder threads in two places.
7. Cap is held very tightly with right hand threads and must be re-tightened very tightly on re-assembly. A combination of torquing and shock may be required to loosen and remove the cap.
8. Remove cap from rod and rod bearing. Lift rod, piston and rod bearing from cylinder with hoist. Maintain hoist centered over cylinder. Do not rock or apply side loads to rod, as damage to piston or rod bearing may result.
9. Inspect tightness of piston on rod and tightness of nut against piston. Looseness indicates possible damage to rod or piston.
10. Piston nut is secured with a double set of set screws and a nylon plug. Remove the above and remove the nut.
11. Remove the piston and rod bearing from the rod. Inspect the piston for wear or fractured seal container grooves. Inspect the phenolic or fiber-glass wear ring. Inspect the cast iron seal ring. Inspect the rod bearing locking lip and the seal container grooves.
12. Replace nuts on both ends of rod for thread protection before transporting rod to a qualified third party non-destructive testing organization.
13. Non-destructive test organization shall magnetic particle inspect the rod with longitudinal magnetization to detect any circumferential cracking, with particular attention devoted to areas of piston shoulder and any areas showing wear due to severe contact with rod bearing as illustrated in form. Chance form shall be completed as well as organizations form on acceptance or rejection of the rod.

14. Rejection of the rod by the testing organization will require the return of the entire cylinder to Chance Manufacturing Co., Inc. for five (5) year rod replacement and reconditioning.
15. Acceptance of rod by testing organization and proper re-assembly and hydraulic testing of the cylinder by qualified third party hydraulics organization, qualifies the cylinder for two (2) years of operation without further inspection.
16. Documentation of the completion of the tests and inspections and their acceptance by the qualified organization forms and the Chance forms, shall be send to chance Manufacturing Co., Inc. to the attention of the chief engineer. When documentation is received, a metal tag will be sent to the owner/operator for attachment to the cylinder, at the bottom port, indicating the certification of the cylinder for a two (2) year period, at which time it must be re-inspected or if 10 years old, reconditioned with a new rod.
17. Re-assembly should include all new packing and seals. Re-assembly of spider, bearings and cover. Securing of spider bearing with double nut with tang washer in center and filling cavity between bearings full of grease. Return of cylinder to 6" extended position for assembly into ride, after bleeding and stroke testing. Attachment of bar linkage for installation in tower.

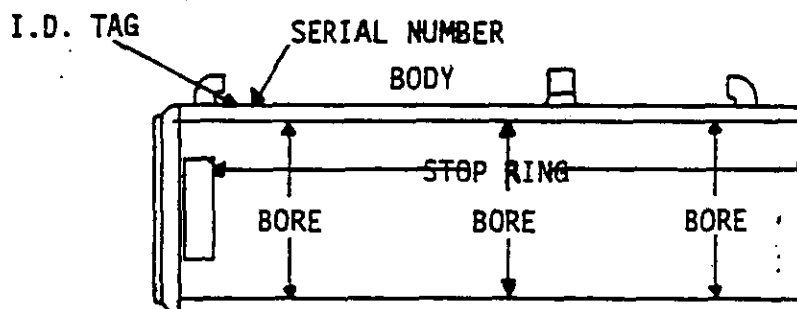
YO-YO SWEEP CYLINDER INSPECTION

RIDE SERIAL NO _____

OWNER/OPERATOR _____ DATE _____

CYLINDER MFG. - GREAT BEND INDUSTRIES ☐ TEXAS HYDRAULICS ☐
 (See Section III of Bulletin B61-0217-00 for identification)

CYLINDER SERIAL NUMBER OR TAG NO. _____



AREA	REQUIRED	ACTUAL
BORE 3 PLACES	G.B.I. 10.000 \pm .010	_____ TOP
		_____ MIDDLE
	T.H. 10.040 \pm .010	_____ BOTTOM
STOP RING DEPTH HIGH & LOW	G.B.I. - 60 $\frac{3}{8}$ \pm $\frac{1}{32}$	_____ HIGH
	T.H. - 60 $\frac{1}{2}$ or 61 \pm $\frac{1}{32}$	_____ LOW
	STOP RING SURFACE MUST BE FLAT, PARALLEL AND PERPENDICULAR TO BORE WITHIN .010 TOTAL READOUT.	

INSPECT CONDITION OF CYLINDER PARTS AS PER SECTION III OF BULLETIN B61-0217-00.

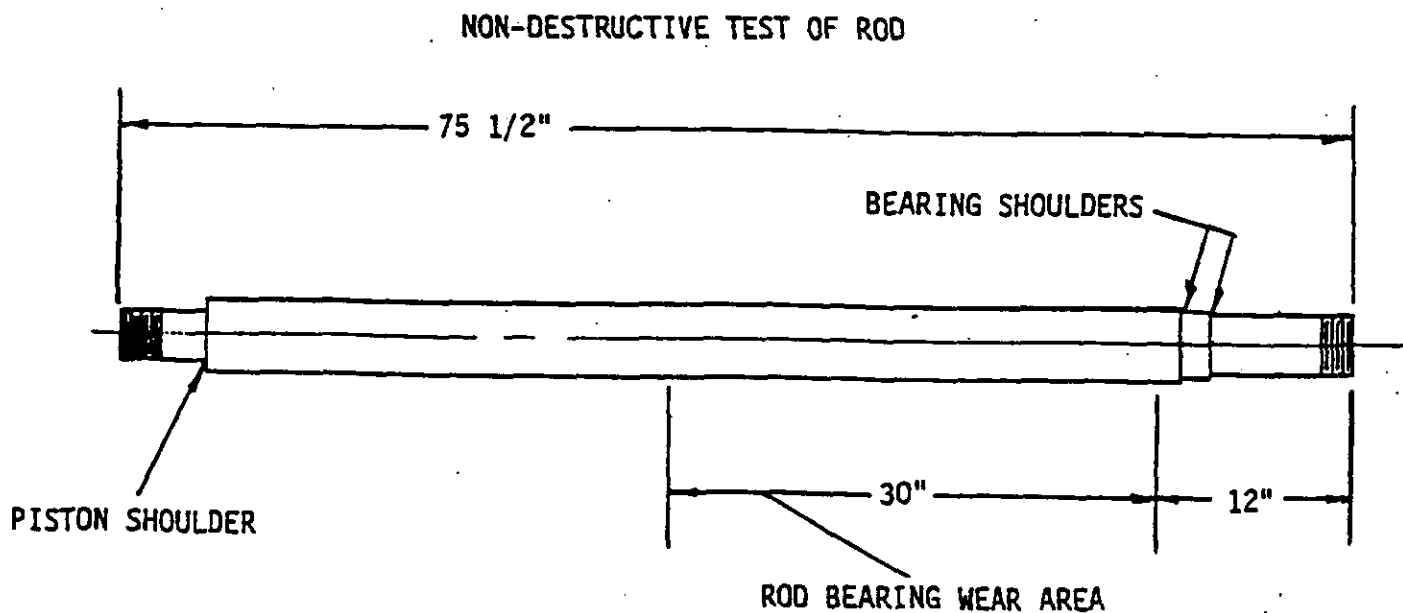
MAGNETIC PARTICLE INSPECTION OF ROD - Use longitudinal magnetization to detect circumferential cracking along full length of rod.

AREA	ACCEPT	REJECT
PISTON SHOULDER		
ROD BEARING WEAR AREA		
BEARING SHOULDERS		
OTHER AREAS		

CERTIFIED INSPECTION ORGANIZATION _____ DATE _____

SIGNATURE _____

ADDRESS _____ PHONE _____



ACCEPT

REJECT

SPIDER BEARINGS		
SPIDER BEARING SEALS		
PISTON		
PISTON WEAR RING		
PISTON CAST IRON RING		
ROD BEARING		
PISTON NUT		
SPIDER BEARING NUTS		
SPIDER BEARING TANG WASHER		
ROD EXTERNAL CONDITION		
TESTING AFTER RE-ASSEMBLY		
25-1/4 IN. MID STROKE		
52-3/8 IN. FULL STROKE		
RETRACTED - 3000 PSI ROD END PRESSURE		
MID POINT 3000 PSI PISTON END PRESSURE		
EXTENDED 3000 PSI PISTON END PRESSURE		

QUALIFIED INSPECTION ORGANIZATION _____ DATE _____

SIGNATURE _____

ADDRESS _____ PHONE _____



CHANCE
MANUFACTURING CO., INC.

Number: B61-0226-00

Date: 8-4-81

Supersedes:

America's Largest Manufacturer of Amusement Rides

Service Bulletin

Effective Serial Numbers: ALL RIDES

Ride: YO YO Subject: TILT CYLINDER EARS & STOPS

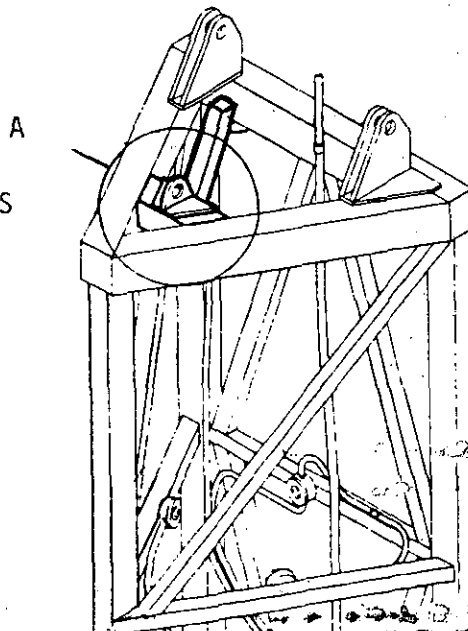
A condition has occurred on one ride in which the bottom ear fastening the tilt cylinder to the top of the tower, tore loose. We are requesting that all owners of Yo Yo's immediately inspect the weld and metal adjacent to the weld on the ear attached to the tower, (FIGURE A). The ear at the top of the cylinder attached to the tilt head, (FIGURE B). and the leveling stop tube where it attaches to the tower (FIGURE C), should also be checked.

These areas should be established as "Special Care Areas" and given regular weekly visual inspections by qualified individuals.

Please report the presence of cracks at areas "A", "B", or "C" immediately to Chance Manufacturing Co., Inc.

The attached Certification of Compliance must be completed and returned to Chance Mfg. within seven days of receipt of the bulletin.

INSPECT ALL WELDS
IN THIS AREA



Factory and General Office, 4219 Irving, P.O. Box 12328 Wichita, Ks

Sales Office:

1103 Ross Ave., Dallas, Texas 75202

Area Code (316) 942-7411

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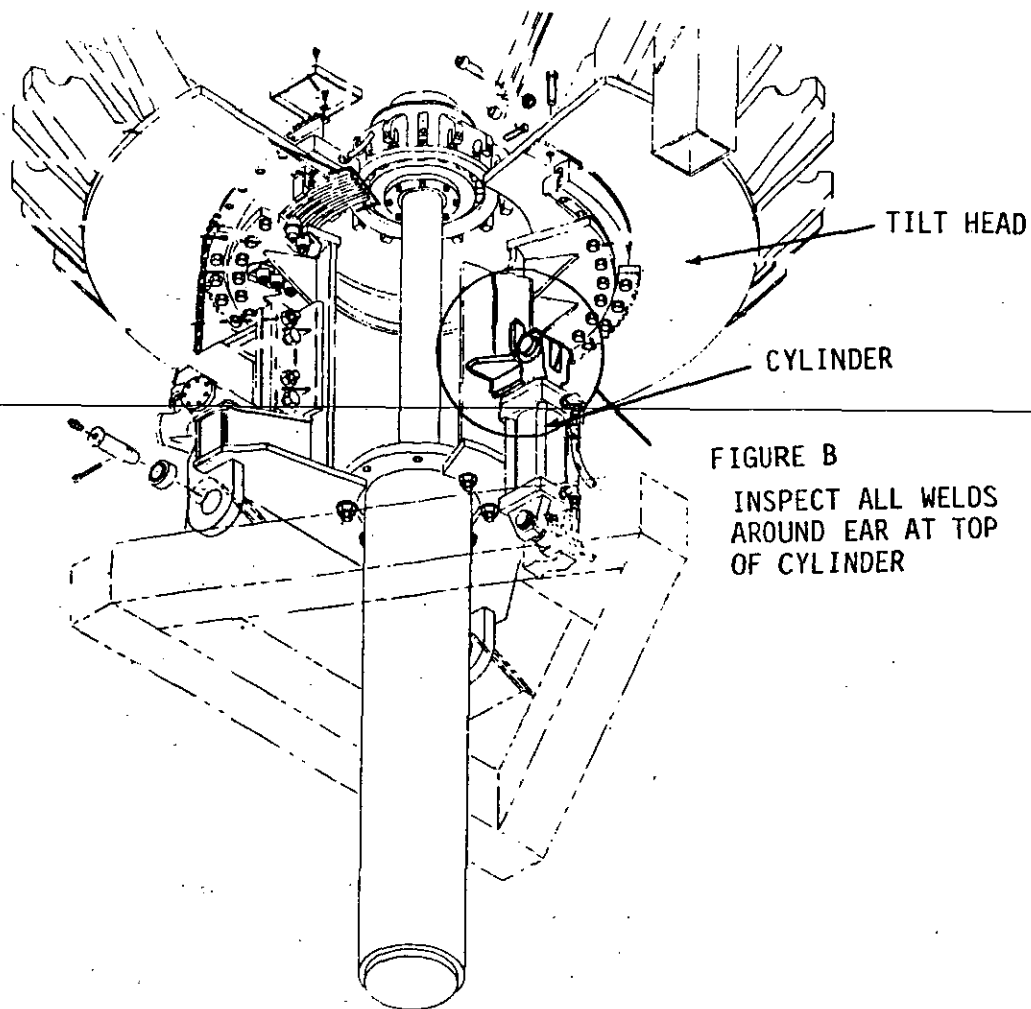
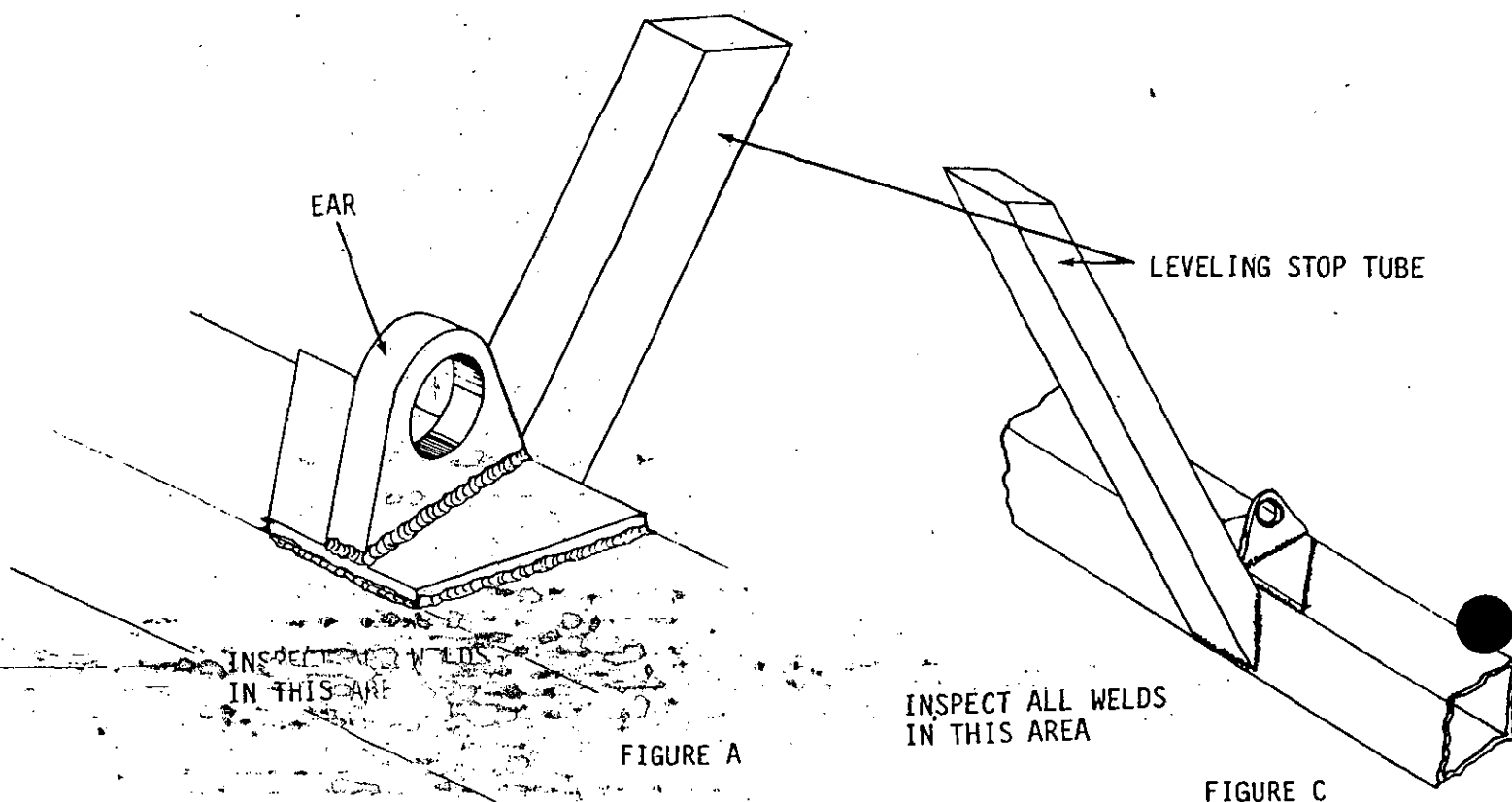


FIGURE B
INSPECT ALL WELDS
AROUND EAR AT TOP
OF CYLINDER



MAGNETIC PARTICLE INSPECTION OF ROD - Use longitudinal magnetization to detect circumferential cracking along full length of rod.

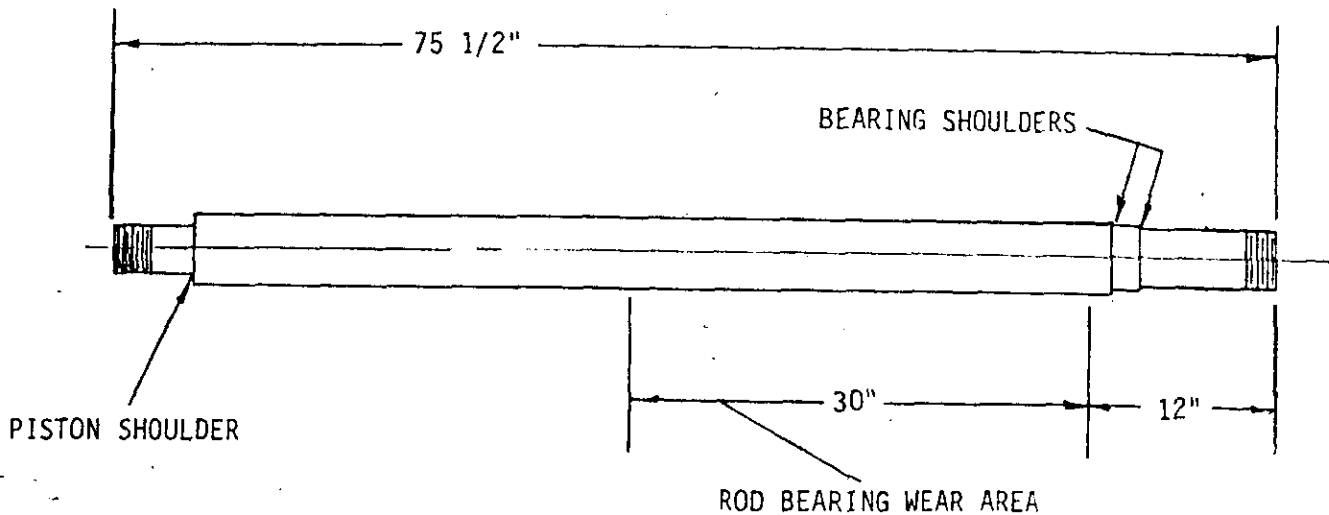
AREA	ACCEPT	REJECT
PISTON SHOULDER		
ROD BEARING WEAR AREA		
BEARING SHOULDERS		
OTHER AREAS		

CERTIFIED INSPECTION ORGANIZATION _____ DATE _____

SIGNATURE _____

ADDRESS _____ PHONE _____

NON-DESTRUCTIVE TEST OF ROD



ACCEPT

REJECT

SPIDER BEARINGS		
SPIDER BEARING SEALS		
PISTON		
PISTON WEAR RING		
PISTON CAST IRON RING		
ROD BEARING AS		
PISTON NUT		
SPIDER BEARING NUTS		
SPIDER BEARING TANG WASHER		
ROD EXTERNAL CONDITION		
TESTING AFTER RE-ASSEMBLY		
25-1/4 IN. MID STROKE		
52-3/8 IN. FULL STROKE		
RETRACTED - 3000 PSI ROD END PRESSURE		
MID POINT 3000 PSI PISTON END PRESSURE		
EXTENDED 3000 PSI PISTON END PRESSURE		

QUALIFIED INSPECTION ORGANIZATION _____ DATE _____

SIGNATURE _____

ADDRESS _____ PHONE _____



Number: A61-0263-00

Date: February 20, 1985

Supersedes:

America's Largest Manufacturer of Amusement Rides

SAFETY ALERT

Effective Serial Numbers: All Units

Ride: YO YO

Subject: Lap Bar Kit

CHANCE MANUFACTURING CO., INC. has become aware of at least one accident involving the YO YO amusement ride. The passenger apparently was pulled by another passenger and/or slid forward under the lap bar and out of the seat while the ride was in motion.

CHANCE MANUFACTURING has developed a new lap bar which increases passenger safety. The new lap bar design incorporates a crotch strap, which secures the lap bar in the lowered position. The existing chest strap must be used in conjunction with the new lap bar to complete the passenger restraint system.

ALL OWNERS OF YO YO RIDES ARE REQUIRED TO REPLACE THE EXISTING LAP BARS WITH THE NEW LAP BAR SYSTEM.

Order kit number K61-0263-00, which includes the new style lap bars, crotch straps and all necessary hardware for one complete ride (32 seats). Install the kit using the instructions on the reverse side of this bulletin. Fill out and return the attached Certification of Compliance for installation of the kit within seven (7) days from receipt of the kit.

PARTS LIST

Components of Kit No. K61-0263-00

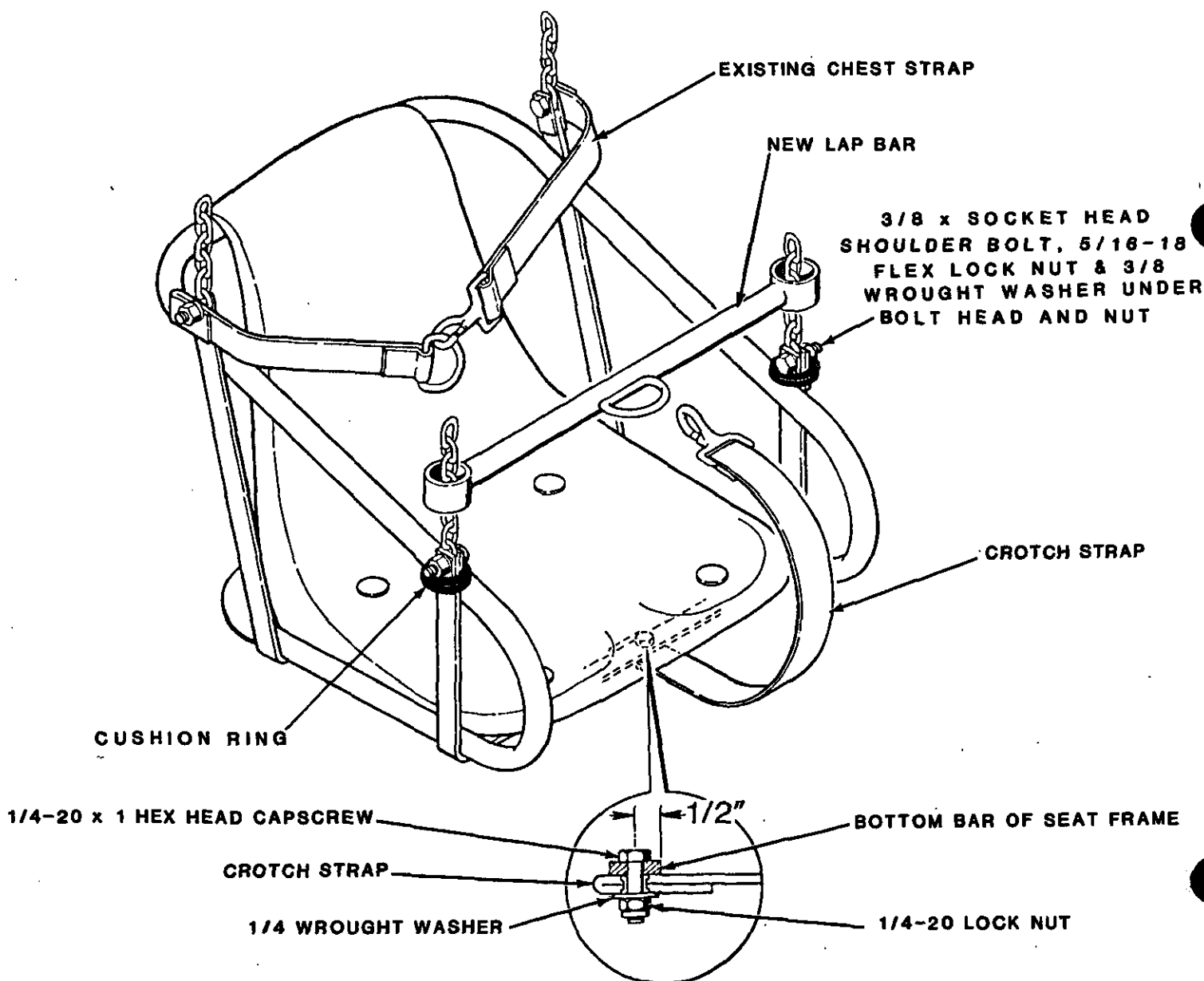
<u>Part No.</u>	<u>Description</u>	<u>Quantity</u>
361-04043	Lap Bar	32
261-05443	Crotch Strap	32
686-07004	Bolt - Hex Head Capscrew (1/4-20 x 1)	32
696-85300	Washer - Wrought (1/4)	32
691-47808	Lock Nut - Full Nylon Insert (1/4-20)	32
686-12232	Shoulder Bolt - Socket Head (3/8 x 1)	64
691-48044	Flex Lock Nut (5/16-18)	64
696-85308	Washer - Wrought (3/8)	128
261-85602	Cushion Ring	64

Installation Instructions

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

Read these instructions thoroughly and make sure you understand them before installing the kit. Identify all parts by checking them against the parts list. If any parts are missing, contact CHANCE MANUFACTURING immediately. Do not substitute an inferior grade of material or part.

1. With the ride stopped and the master circuit breaker in the "OFF" position, remove the two front chains from any seat. Remove the lap bar.
2. ~~Inspect all four chains for wear per Service Bulletin B61-0265-00.~~
3. Install a cushion ring over each front upright on the seat frame.
4. Install the new lap bar on the chains with the D-ring toward the front of the seat. Install the new hardware with the bolts pointing out from the seat as shown. Torque the nuts to 13 lb-ft.
5. Drill a 1/4-inch hole through the bottom bar on the seat frame, on the centerline of the seat as shown. Be careful not to drill into the plastic seat.
6. Install the crotch strap and hardware as shown. Torque the nut to 72 lb-in.
7. Repeat Steps 1 through 5 on all remaining seats.



CHANCE MANUFACTURING COMPANY, INC.

KIT NO. K61-0263-00

We hereby certify the above-mentioned service kit has been installed on the YO YO

_____, Serial No(s) _____

_____, in accordance

Date Kit Received _____

Date Kit Installed _____

Name and Address of Person Making Installation_____

Owner _____

Maintenance Supervisor _____

Address _____

Address _____

City _____ State _____

City _____ State _____

By: _____

Date: _____

Date: _____

This certification must be completed and returned to Chance Manufacturing Company, Inc., within seven (7) days from receipt of the kit.



Number: B61-0265-00

Date: February 20, 1985

Supersedes:

America's Largest Manufacturer of Amusement Rides

SERVICE BULLETIN

Effective Serial Numbers: All Units

Ride: YO YO

Subject: Chain and Seat Inspection

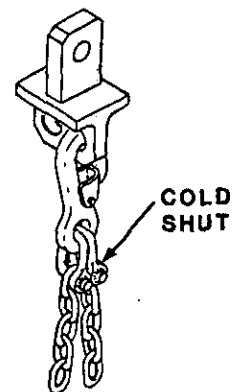
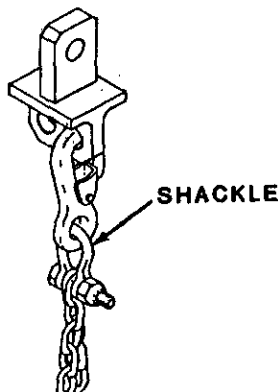
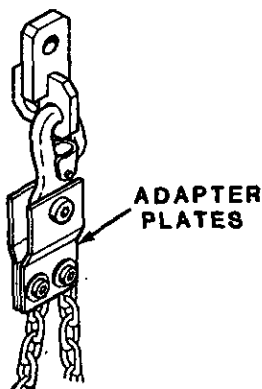
As a safety precaution, CHANCE MANUFACTURING CO., INC. recommends that the following inspection be performed on all YO YO amusement rides at every set-up or weekly, whichever occurs first.

The inspection must be performed by competent personnel, capable of understanding the function of the parts and their proper installation. A parts list is provided on the following pages for identification of parts and as a convenience of ordering any necessary parts.

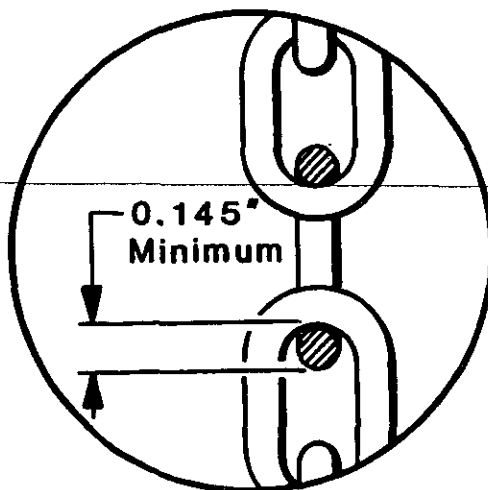
Inspection Points

1. CHAIR HANGER - Inspect for damage or wear in the holes for the snap hook.
2. SNAP HOOK - Check the inside of the hook for damage or wear. The spring catch must operate freely and close the hook completely.
3. ADAPTER PLATES AND ATTACHING HARDWARE - Torque 1/2-inch shoulder bolts (3/8-16 thread) to 36 lb-ft. Torque 3/8-inch shoulder bolts (5/16-18 thread) to 17 lb-ft. DO NOT SUBSTITUTE HARDWARE.

NOTE: Early production rides were equipped with either shackles or cold shuts to attach the chains to the snap hooks. Inspect these for damage or wear, and refer to Service Bulletin No. 94.

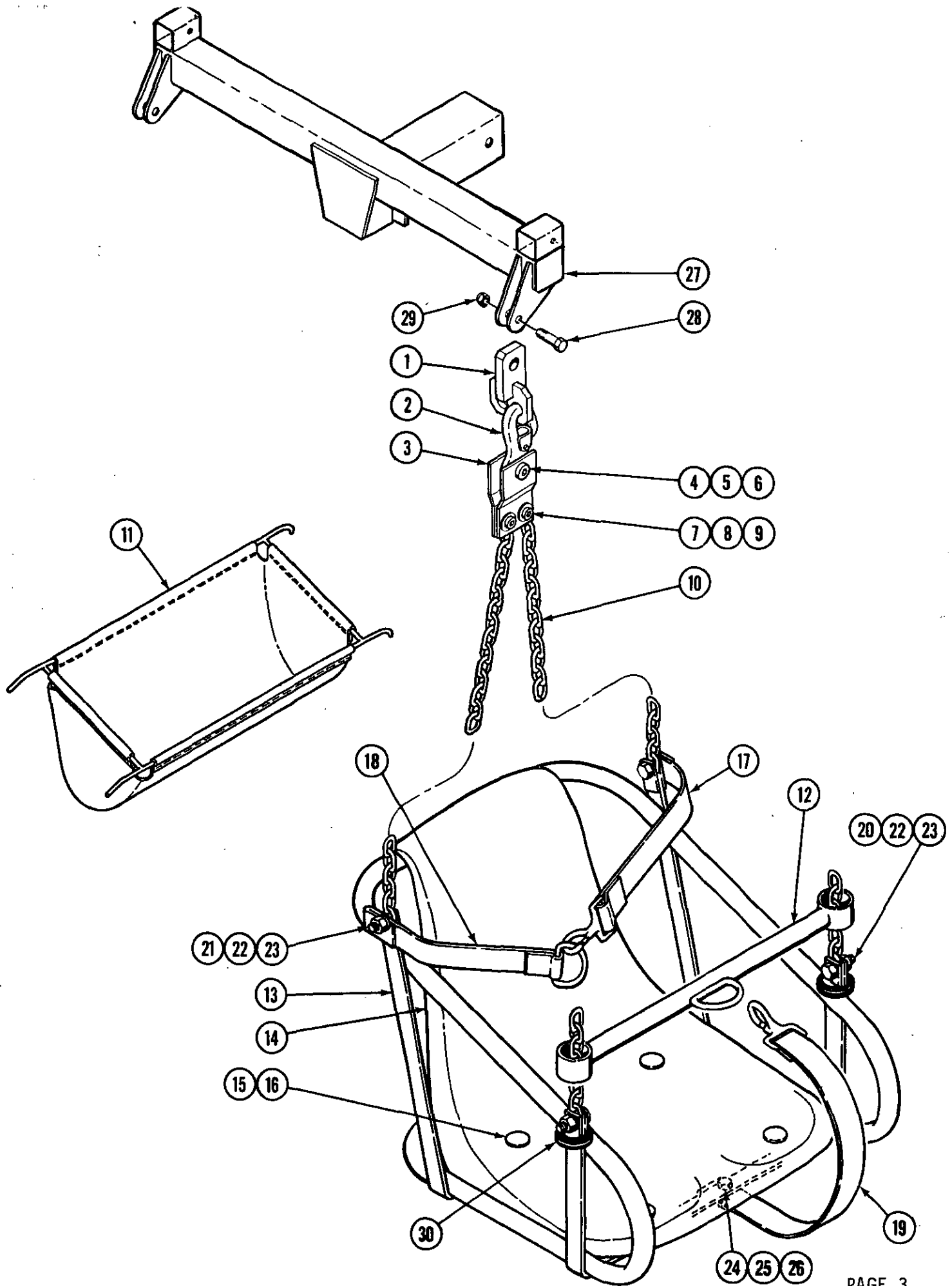


4. CHAINS - Measure chain wear on links near the seat as shown. The minimum acceptable dimension is 0.145 inch. If replacement is required, use only 3/16 proof coil chain. DO NOT SUBSTITUTE CHAINS. DO NOT SPLICE OR OTHERWISE ATTEMPT TO REPAIR CHAINS.



5. SEAT ATTACHMENT HARDWARE - Make sure that all bolts point out from seat. Torque the nuts to 13 lb-ft. DO NOT SUBSTITUTE HARDWARE.
6. SEAT AND SEAT FRAME - Check for cracks in the plastic seat. Inspect seat frame for damage or wear in the area where the lap bar rests.
7. CHEST STRAP, CROTCH STRAP AND LAP BAR - ALL seats must be equipped with the complete passenger restraint system as shown. Replace any worn, damaged or missing parts.
8. OVERALL INSTALLATION OF CHAINS AND SEATS - All seats must face in the same direction, forward in relation to ride rotation. Each seat must be suspended from two chair hangers. DO NOT ATTACH BOTH SNAP HOOKS FOR A SINGLE SEAT TO THE SAME CHAIR HANGER. Make sure chains are not twisted.

If you have any questions or need replacement parts, contact the CHANCE CUSTOMER SERVICE DEPARTMENT.



Parts List

			32 Seats Per Ride Qty. Req. <u>Per Seat</u>
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	
1	361-32706	Chair Hanger (376-209-001)	1
2	290-69296	Snap Hook	2
3	361-53843	Adapter Plate (376-118-001)	4
4	690-12267	Shoulder Bolt - Socket Head (1/2 x 1, 3/8-16 Thd) ..	2
5	696-85310	Washer - Flat (3/8)	2
6	691-48046	Nut - Flexlock (3/8-16)	2
7	686-12232	Shoulder Bolt - Socket Head (3/8 x 1, 5/16-18 Thd) .	2
8	696-85304	Washer - Wrought (5/16)	2
9	691-48044	Nut - Flexlock (5/16-18)	2
10	290-15213	Chain (3/16 Proof Coil x 13 ft. 8 in. long)	4
11	361-15290	Chain Bag (376-914-001)	1
12	361-04043	Lap Bar Weldment (376-111-001)	1
13	361-29215	Seat Frame (376-110-001)	1
14	361-64993	Seat (376-113-001) Specify Color: Black, Red, Navy Blue or Sand	1
15	686-12219	Carriage Bolt (1/4-20 x 1-1/4)	4
16	691-47808	Lock Nut - Full Nylon Insert (1/4-20)	4
17	261-05443	Chest Strap (376-114-002)	1
18	261-05442	Chest Strap (376-114-001)	1
19	261-05443	Crotch Strap (376-114-002)	1
20	686-12232	Shoulder Bolt-Socket Head (3/8 x 1, 5/16-18 Thd) ...	2
21	686-12233	Shoulder Bolt-Socket Head (3/8 x 1-1/4, 5/16-18 Thd).	2
22	696-85308	Washer - Wrought (3/8)	8
23	691-48044	Nut - Flexlock (5/16-18)	4
24	686-07004	Bolt - Hex Head Capscrew (1/4-20 x 1)	1
25	696-85300	Washer - Wrought (1/4)	1
26	691-47808	Lock Nut - Full Nylon Insert (1/4-20)	1
27	361-04045	Tee Bar Weldment (376-213-001)	***
27	361-04047	Tee Bar Weldment With Ladder Hooks (376-213-009) ...	***
28	686-09526	Bolt - Hex Head Capscrew (3/4-10 x 3-1/4 Grade 5) ..	32/ride
29	691-47836	Lock Nut - Full Nylon Insert (3/4-10)	32/ride
30	261-85602	Cushion Ring	2/seat

* The chair hanger shown is interchangeable with the chair hangers originally equipped on early production rides.

** Early production rides were equipped with either shackles or cold shuts, which are no longer provided for this application. When replacing these parts, order items 3 through 9 in the quantities specified.

*** Portable rides require one Tee Bar With Hook (376-213-009) and fifteen Tee Bars (376-213-001). Park model rides require sixteen Tee Bars (376-213-001).



Number: 861-0273-00

Date: 12-1-85

Supersedes:

America's Largest Manufacturer of Amusement Rides

SERVICE BULLETIN

Effective Serial Numbers: All Units

Ride: YO YO

Subject: Sweep Lift Cylinder Re-Certification

On January 1, 1981, CHANCE MFG. issued Service Bulletin B61-0217-00. This bulletin required the inspection, reconditioning and certification of all YO YO sweep cylinders no later than five years after the ride or cylinder was put into service. Complete cylinder reconditioning ten years after the cylinder was put into service was also specified.

Each certification was valid for a five year period, and expiration dates were stamped on the identification tags attached to each cylinder as shown.

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

We suggest that all owner/operators immediately check the expiration date on their cylinder.

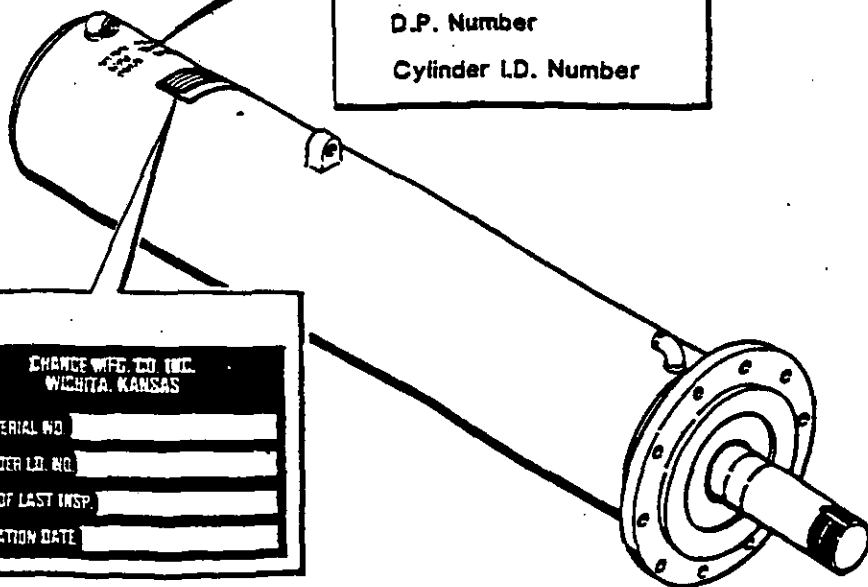
CHANCE MFG. will inspect, recondition and re-certify the cylinders for an additional five year period when the cylinders are returned to the factory. Cost during 1986 will vary from \$2000 to \$2400, depending upon the amount of reconditioning required.

The following information is steel-stamped into the barrel:

Part Number
D.P. Number
Cylinder I.D. Number

NOTE: If the cylinder identification markings are damaged, removed or are otherwise illegible, contact the CHANCE CUSTOMER SERVICE DEPARTMENT.

CHANCE MFG. CO. INC. WICHITA, KANSAS	
RISE SERIAL NO.	_____
CYLINDER I.D. NO.	_____
DATE OF LAST INSP.	_____
EXPIRATION DATE	_____





Number: B61-0265-0A

Date: 4-15-86

Supersedes: B61-0265-00
(2-20-85)

America's Largest Manufacturer of Amusement Rides

SERVICE BULLETIN

Effective Serial Numbers: All Units

Ride: YO YO

Subject: Chain and Seat Inspection

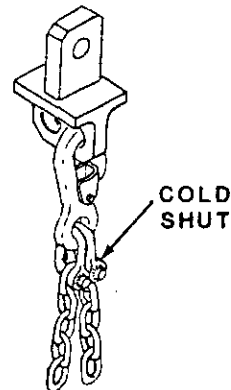
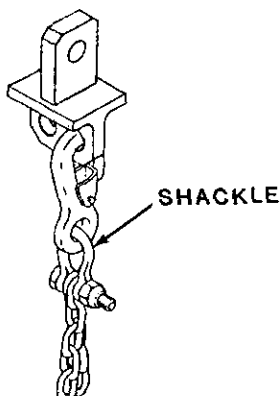
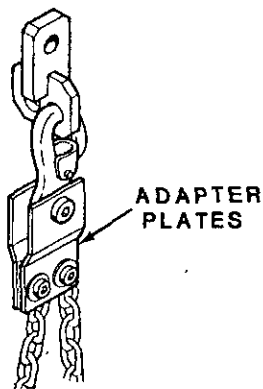
As a safety precaution, CHANCE MANUFACTURING CO., INC. recommends that the following inspection be performed on all YO YO amusement rides at every set-up or weekly, whichever occurs first.

The inspection must be performed by competent personnel, capable of understanding the function of the parts and their proper installation. A parts list is included for identification of parts and as a convenience for ordering any necessary parts.

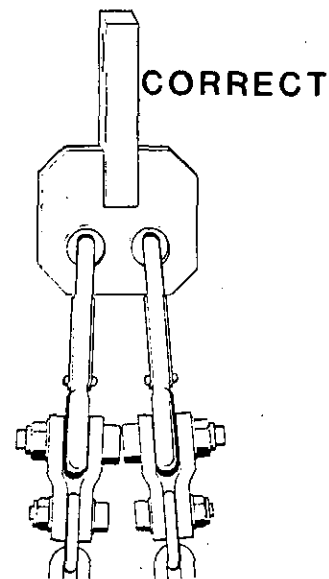
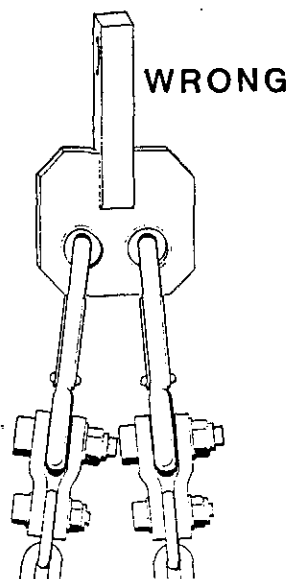
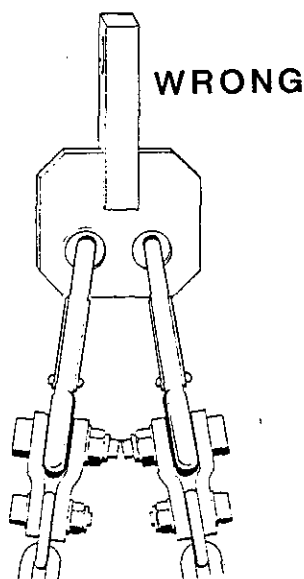
Inspection Points

1. CHAIR HANGER - Inspect for damage or wear in the holes for the snap hook.
2. SNAP HOOK - Check the inside of the hook for damage or wear. The spring catch must operate freely and close the hook completely.
3. ADAPTER PLATES AND ATTACHING HARDWARE -

NOTE: Early production rides were equipped with either shackles or cold shuts to attach the chains to the snap hooks. Inspect these for damage or wear, and refer to Service Bulletin No. 94. If your ride is equipped with either shackles or cold shuts, go to Step 4.



Check the position of the hardware which secures the chains and snap hooks to the adapter plates. The heads of the shoulder bolts must be to the inside of each chair hanger as shown. Contact of the threaded ends of the shoulder bolts can cause damage to the fasteners.

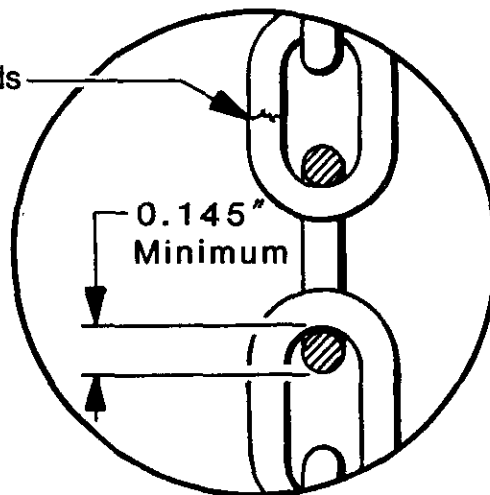


Torque the 1/2-inch shoulder bolts (3/8-16 thread) to 36 lb-ft. Torque the 3/8-inch shoulder bolts (5/16-18 thread) to 17 lb-ft. DO NOT SUBSTITUTE HARDWARE.

4. CHAINS - Carefully inspect all chains for wear, damage or broken welds on links. Measure chain wear on links near the seat as shown. The minimum acceptable dimension is 0.145 inch. If replacement is required, use only 3/16-inch proof coil chain. DO NOT SUBSTITUTE CHAINS. DO NOT SPLICE OR OTHERWISE ATTEMPT TO REPAIR CHAINS.

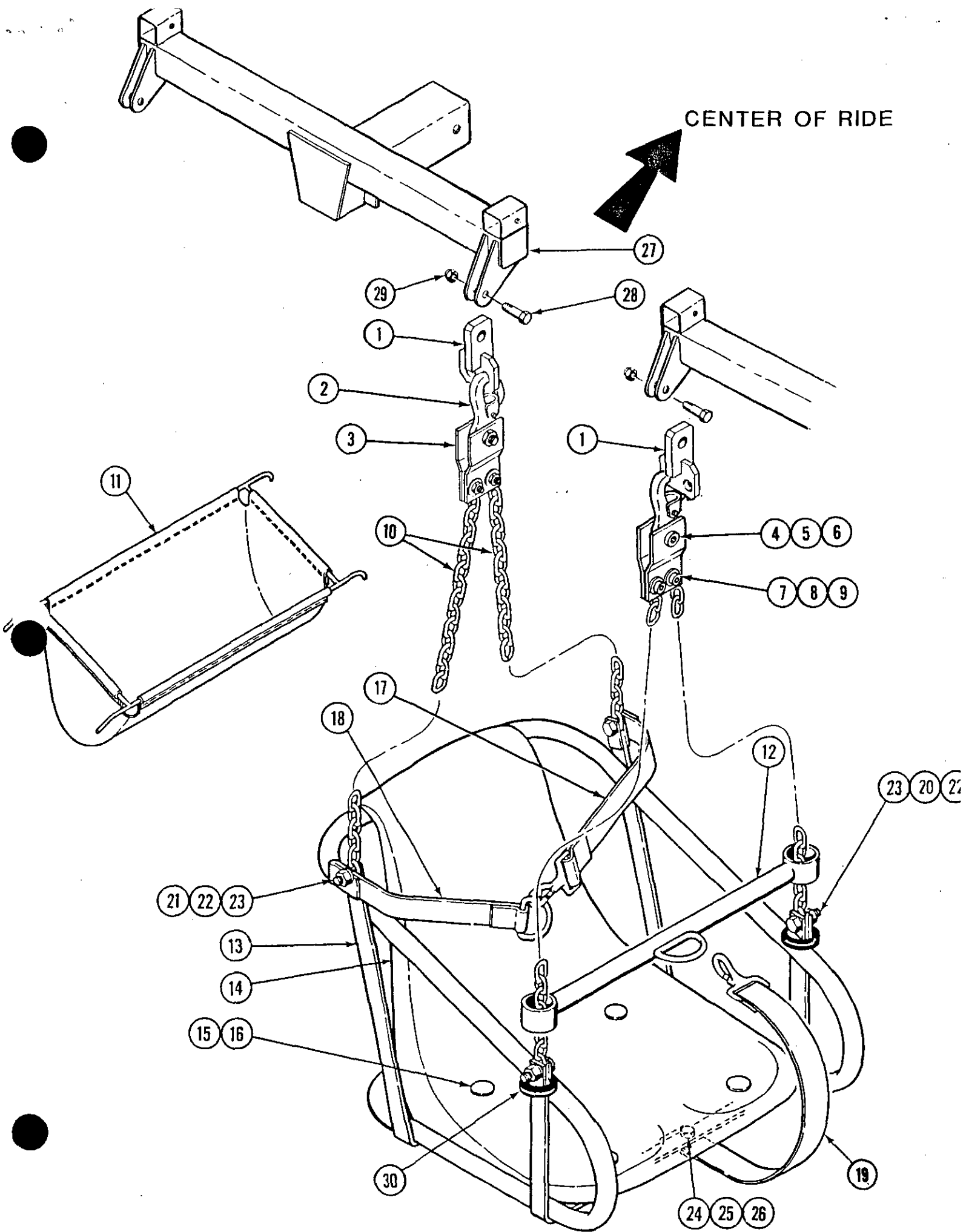
If end links are worn, up to three links can be removed to shorten all four chains by the same amount. ALL FOUR CHAINS FOR EACH SEAT MUST BE THE SAME LENGTH (13 ft. 5-3/8 in. minimum).

Check for broken welds



5. SEAT ATTACHMENT HARDWARE - Make sure that all bolts point out from seat. Torque the nuts to 13 lb-ft. DO NOT SUBSTITUTE HARDWARE.
6. SEAT AND SEAT FRAME - Check for cracks in the plastic seat. Inspect the seat frame for damage or wear in the area where the lap bar rests.
7. CHEST STRAP, CROTCH STRAP AND LAP BAR - All seats must be equipped with the complete passenger restraint system as shown. Replace any worn, damaged or missing parts.
8. OVERALL INSTALLATION OF CHAINS AND SEATS - All seats must be facing in the same direction - forward in relation to ride rotation. Each seat must be suspended from two chair hangers. DO NOT ATTACH BOTH SNAP HOOKS FOR A SINGLE SEAT TO THE SAME CHAIR HANGER. Snap hooks must be installed in the chair hangers toward the center of the ride as shown. Make sure the chains are not twisted.

If you have any questions or need replacement parts, contact the CHANCE CUSTOMER SERVICE DEPARTMENT.



Parts List

Ref. No.	Part No.	Description	32 Seats Per Ride, Qty. Reqd.
			Per Seat .
1	361-32706	* Chair Hanger (376-209-001)	1
2	290-69296	Snap Hook	2
3	361-53843	**Adapter Plate (376-118-001)	4
4	690-12267	Shoulder Bolt - Socket Head (1/2 x 1, 3/8-16 Thd) ..	2
5	696-85310	Washer - Flat (3/8)	2
6	691-48046	Nut - Flexlock (3/8-16)	2
7	686-12232	Shoulder Bolt - Socket Head (3/8 x 1, 5/16-18 Thd) .	2
8	696-85304	Washer - Wrought (5/16)	2
9	691-48044	Nut - Flexlock (5/16-18)	2
10	290-15213	Chain (3/16 Proof Coil x 13 ft. 8 in. long)	4
11	361-15290	Chain Bag (376-914-001)	1
12	361-04043	Lap Bar Weldment (376-111-001)	1
13	361-29215	Seat Frame (376-110-001)	1
14	361-64993	Seat (376-113-001) Specify Color: Black, Red, Navy Blue or Sand	1
15	686-12219	Carriage Bolt (1/4-20 x 1-1/4)	4
16	691-47808	Lock Nut - Full Nylon Insert (1/4-20)	4
17	261-05443	Chest Strap (376-114-002)	1
18	261-05442	Chest Strap (376-114-001)	1
19	261-05443	Crotch Strap (376-114-002)	1
20	686-12232	Shoulder Bolt-Socket Head (3/8 x 1, 5/16-18 Thd) ...	2
21	686-12233	Shoulder Bolt-Socket Head (3/8 x 1-1/4, 5/16-18 Thd).	2
22	696-85308	Washer - Wrought (3/8)	8
23	691-48044	Nut - Flexlock (5/16-18)	4
24	686-07004	Bolt - Hex Head Capscrew (1/4-20 x 1)	1
25	696-85300	Washer - Wrought (1/4)	1
26	691-47808	Lock Nut - Full Nylon Insert (1/4-20)	1
27	361-04045	Tee Bar Weldment (376-213-001)	***
27	361-04047	Tee Bar Weldment With Ladder Hooks (376-213-009) ...	***
28	686-09526	Bolt - Hex Head Capscrew (3/4-10 x 3-1/4 Grade 5) ..	32/ride
29	691-47836	Lock Nut - Full Nylon Insert (3/4-10)	32/ride
30	261-85602	Cushion Ring	2/seat

* The chair hanger shown is interchangeable with the chair hangers originally equipped on early production rides.

** Early production rides were equipped with either shackles or cold shuts, which are no longer provided for this application. When replacing these parts, order items 3 through 9 in the quantities specified.

*** Portable rides require one Tee Bar With Hook (376-213-009) and fifteen Tee Bars (376-213-001). Park model rides require sixteen Tee Bars (376-213-001).



Number: B376R1001-0

Date: 4-15-86

Supersedes:

SERVICE BULLETIN

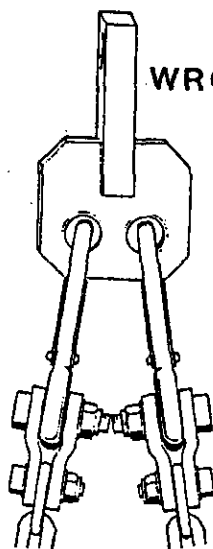
Effective Serial
Numbers: All Units

Ride: YO YO

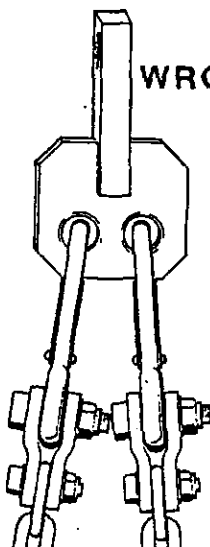
subject: Chain and Seat Inspection

As a safety precaution, CHANCE RIDES, INC. recommends that the following inspection be performed on all YO YO amusement rides at every set-up or weekly, whichever occurs first. The inspection must be performed by competent personnel, capable of understanding the function of the parts and their proper installation. A parts list is included for identification of parts and as a convenience for ordering any necessary parts.

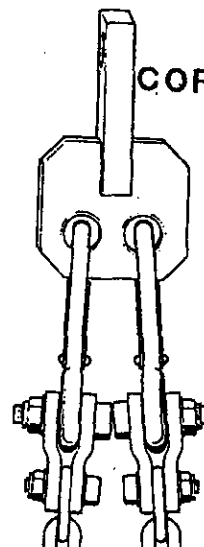
1. **CHAIR HANGER** - Inspect for damage or wear in the holes for the snap hook.
2. **SNAP HOOK** - Check the inside of the hook for damage or wear. The spring catch must operate freely and close the hook completely.
3. **ADAPTER PLATES AND ATTACHING HARDWARE** - Check the position of the hardware which secures the chains and snap hooks to the adapter plates. The heads of the shoulder bolts must be to the inside of each chair hanger as shown. Contact of the threaded ends of the shoulder bolts can cause damage to the fasteners,



WRONG



WRONG



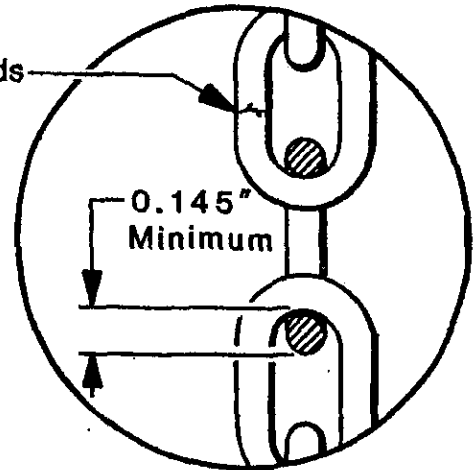
CORRECT

Torque the 1/2-inch shoulder bolts (3/8-16 thread) to 36 lb-ft. Torque the 3/8-inch shoulder bolts (5/16-18 thread) to 17 lb-ft. DO NOT SUBSTITUTE HARDWARE.

4. **CHAINS** - Carefully inspect all chains for wear, damage or broken welds on links. Measure chain wear on links near the seat as shown. The minimum acceptable dimension is 0.145 inch. If replacement is required, use only 3/16-inch proof coil chain. **DO NOT SUBSTITUTE CHAINS. DO NOT SPLICE OR OTHERWISE ATTEMPT TO REPAIR CHAINS.**

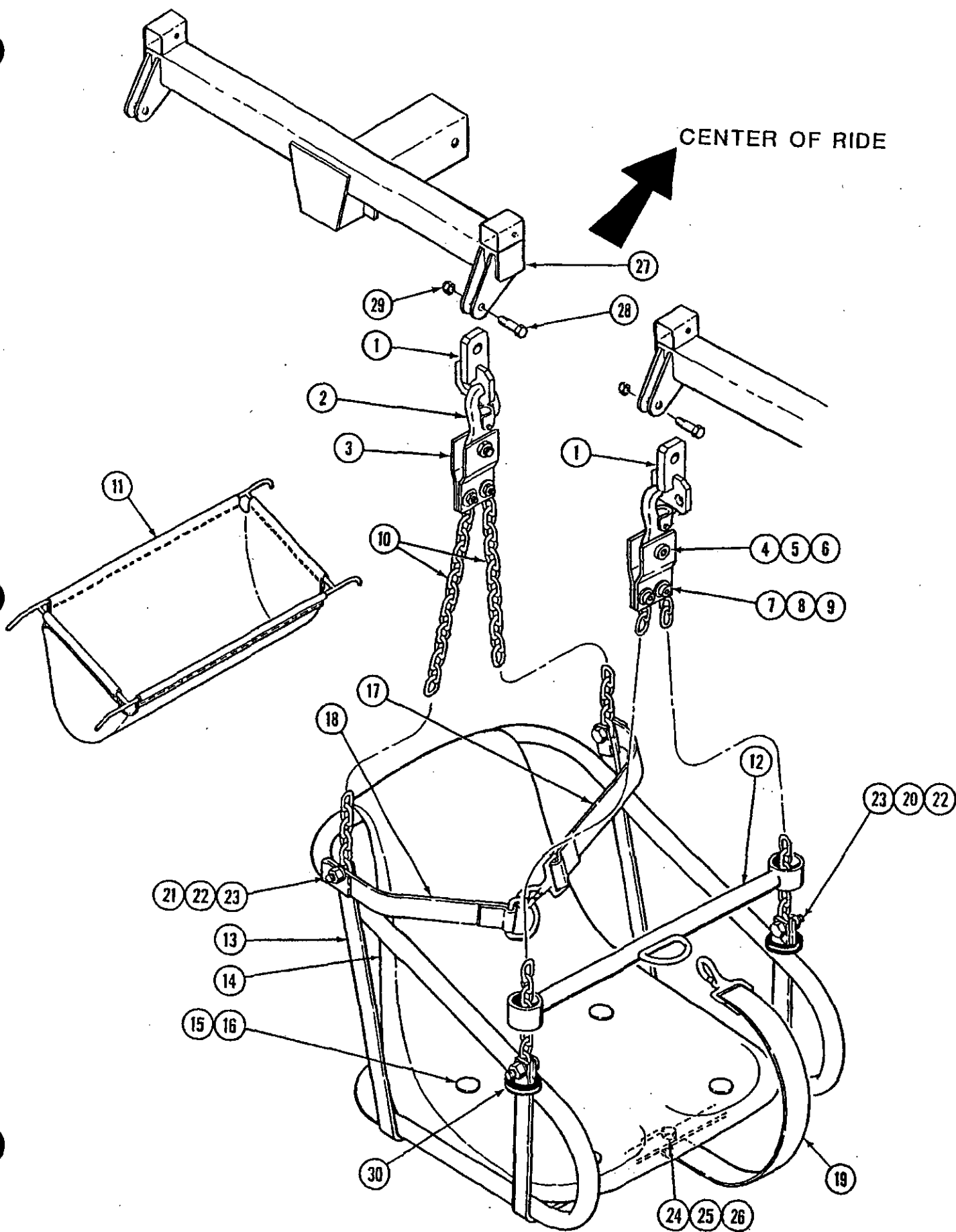
If end links are worn, up to three links can be removed to shorten all four chains by the same amount. **ALL FOUR CHAINS FOR EACH SEAT MUST BE THE SAME LENGTH (13. ft. 5- 3/8 in. minimum).**

Check for broken welds



5. **SEAT ATTACHMENT HARDWARE** - Make sure that all bolts point out from seat. Torque the nuts to 13 lb-ft. **DO NOT SUBSTITUTE HARDWARE.**
6. **SEAT AND SEAT FRAME** - Check for cracks in the plastic seat. Inspect the seat frame for damage or wear in the area where the lap bar rests.
7. **CHEST STRAP, CROTCH STRAP AND LAP BAR** - All seats must be equipped with the complete passenger restraint system as shown. Replace any worn, damaged or missing parts.
8. **OVERALL INSTALLATION OF CHAINS AND SEATS** - All seats must be facing in the same direction - forward in relation to ride rotation. Each seat must be suspended from two chair hangers. **DO NOT ATTACH BOTH SNAP HOOKS FOR A SINGLE SEAT TO THE SAME CHAIR HANGER.** Snap hooks must be installed in the chair hangers toward the center of the ride as shown. Make sure the chains are not twisted.

If you have any questions or need replacement parts, contact the **CHANCE CUSTOMER SERVICE DEPARTMENT.**



Parts List

Ref. No.	Part No.	Description	32 Seats
			Per Ride, Qty. Req'd. Per Seat
1	361-32706	Chair Hanger (376-209-001)	1
2	290-69296	Snap Hook	2
3	361-53843	Adapter Plate (376-118-001)	4
4	690-12267	Shoulder Bolt - Socket Head (1/2 x 1, 3/8-16 Thd) ..	2
5	696-85310	Washer - Flat (3/8)	2
6	691-48046	Nut - Flexlock (3/8-16)	2
7	686-12232	Shoulder Bolt - Socket Head (3/8 x 1, 5/16-18 Thd) .	2
8	696-85304	Washer - Wrought (5/16)	2
9	691-48044	Nut - Flexlock (5/16-18)	2
10	290-15213	Chain (3/16 Proof Coil x 13 ft. 8 in. long)	4
11	361-15290	Chain Bag (376-914-001)	1
12	361-04043	Lap Bar Weldment (376-111-001)	1
13	361-29215	Seat Frame (376-110-001)	1
14	361-64993	Seat (376-113-001) Specify Color: Black, Red, Navy Blue or Sand	1
15	686-12219	Carriage Bolt (1/4-20 x 1-1/4)	4
16	691-47808	Lock Nut - Full Nylon Insert (1/4-20)	4
17	261-05443	Chest Strap (376-114-002)	1
18	261-05442	Chest Strap (376-114-001)	1
19	261-05443	Crotch Strap (376-114-002)	1
20	686-12232	Shoulder Bolt-Socket Head (3/8 x 1, 5/16-18 Thd) ..	2
21	686-12233	Shoulder Bolt-Socket Head (3/8 x 1-1/4, 5/16-18 Thd) .	2
22	696-85308	Washer - Wrought (3/8)	8
23	691-48044	Nut - Flexlock (5/16-18)	4
24	686-07004	Bolt - Hex Head Capscrew (1/4-20 x 1)	1
25	696-85300	Washer - Wrought (1/4)	1
26	691-47808	Lock Nut - Full Nylon Insert (1/4-20)	1
27	361-04045	Tee Bar Weldment (376-2131001)	*
27	361-04047	Tee Bar Weldment With Ladder Hooks (376-213-009) ...	*
28	686-09526	Bolt - Hex Head Capscrew (3/4-10 x 3-1/4 Grade 5) ...	32/ride
29	691-47836	Lock Nut - Full Nylon Insert (3/4-10)	32/ride
30	261-85602	Cushion Ring	2/seat

* Portable rides require one Tee Bar With Hook (376-213-009) and fifteen Tee Bars (376-213-001). Park model rides require sixteen Tee Bars (376-213-001).



Number: B376R1003-0

Date: 5/25/86

Supersedes:

SERVICE BULLETIN

Effective Serial Numbers: ALL UNITS

Ride: YO YO

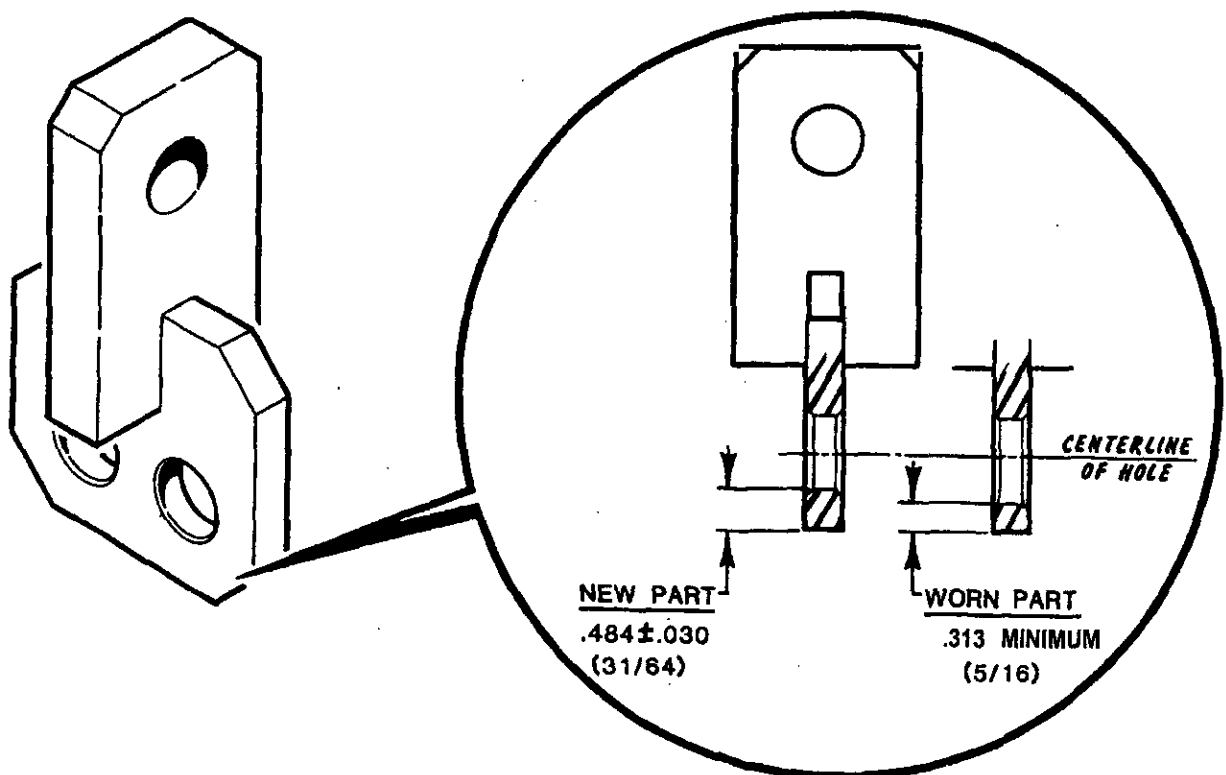
Subject: Chair Hanger Wear Limits

As a safety precaution, CHANCE RIDES, INC. recommends that the following inspection be performed on all YO YO amusement rides at every set-up or weekly, whichever occurs first.

The inspection must be performed by competent personnel, capable of understanding the function of the parts and their proper installation.

Measure the edge distance on all chair hangers as shown. If the dimension is less than .313 (5/16"), do not operate the ride until the chair hanger is replaced.

New chair hangers are available from CHANCE RIDES, INC. Order part number 361-32706.





Number: B376R1017-0

Date: September 9, 1987

Supersedes:

SERVICE BULLETIN

Effective Serial Numbers: All Units

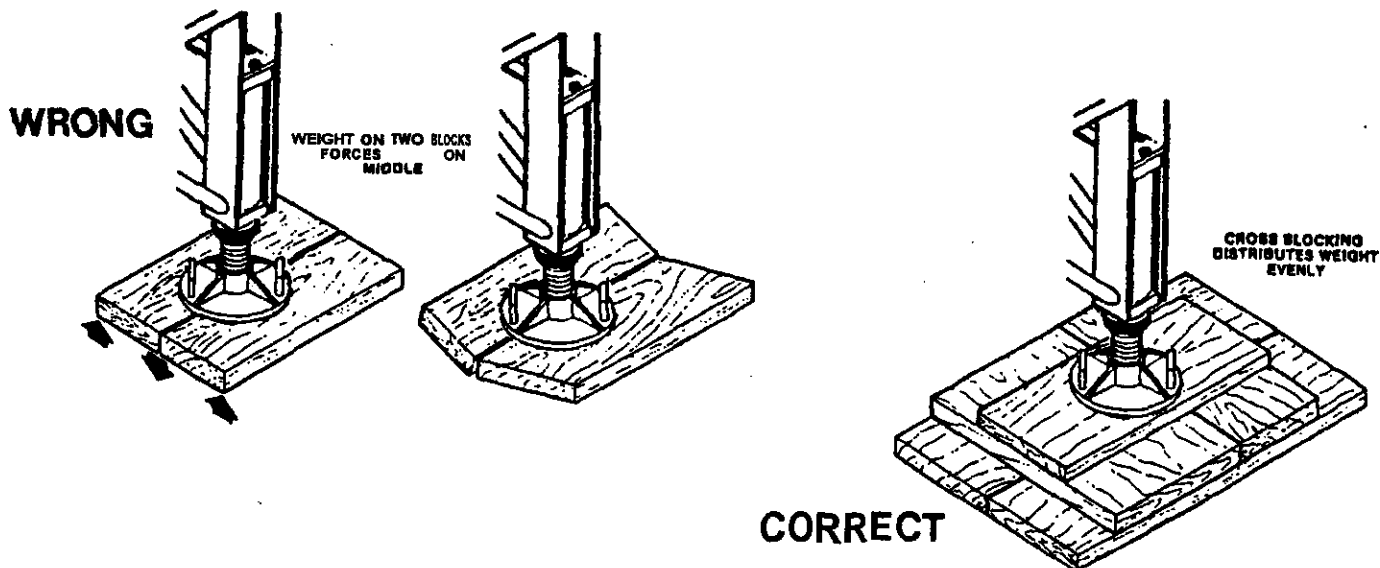
Ride: YO YO

Subject: Trailer Set-Up, Loading
And Operation

As a safety precaution, CHANCE RIDES, INC. requires that owners of all YO YO amusement rides instruct their employees on the proper porcedures and instructions contained in this bulletin.

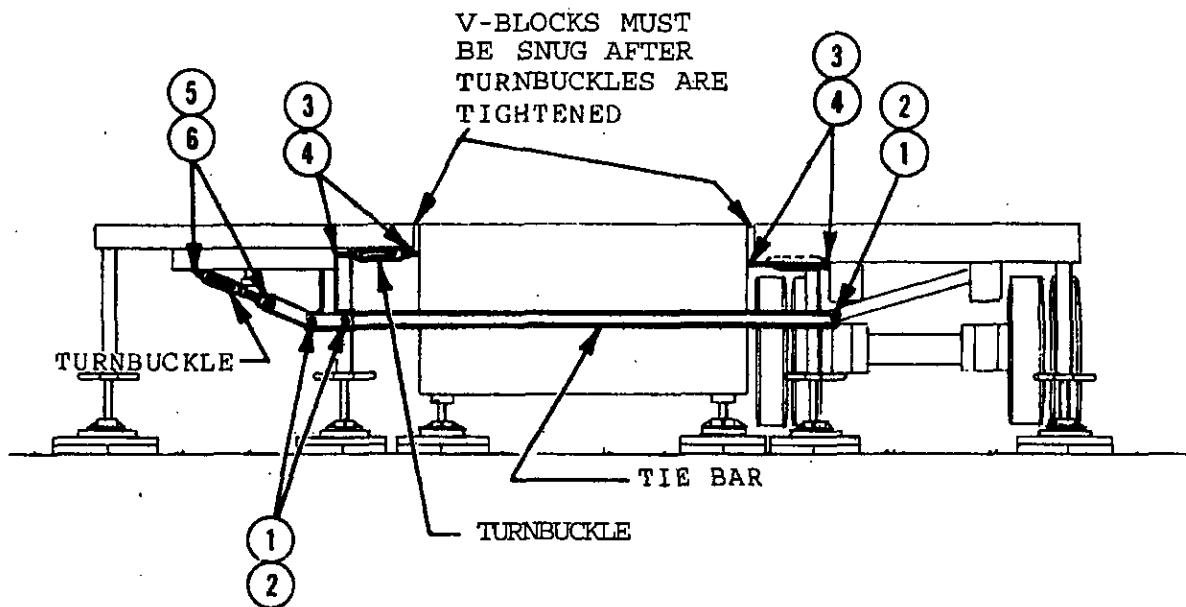
TRAILER SET-UP

1. Inspect the blocking under each of the four (4) leveling jacks and eight (8) screw jacks under the front and rear trialer sections. Good, solid blocking, preferably wooden 3 x 12's, must be placed under each jack point. As blocks are stacked, criss-cross each layer, ending the stack with a single block as shown in the following illustrations.



2. Make sure the lock rings on the leveling jacks are tight against the bottom of the jack. All needle valves and the hand pump valve must be OPEN to relieve hydraulic pressure in the leveling jacks. This is important because hydraulic oil in the jacks can expand when exposed to heat, such as direct sunlight, causing the jack to extend.

3. The tie bar and five turnbuckles must be secured with the CORRECT PINS AND HAIRPINS as specified in the illustration below. Do not substitute bolts or any other hardware. The turnbuckles must be tightened so that the mating V-blocks on sections of the trailer are snug.



REF. NUMBER	PART NUMBER	DESCRIPTION	QUANTITY REQUIRED
1	390-52295	TAPER PIN (CSN10A05-02)	3
2	694-51902	HAIRPIN (5/32 Diameter)	3
3	390-52296	TAPER PIN (CSN10A05-03)	8
4	694-51902	HAIRPIN (5/32 Diameter)	8
5	390-52491	TAPER PIN (CSN10A06-03)	2
6	694-51904	HAIRPIN (3/16 Diameter)	2

LOADING AND OPERATION

If the ride is being operated at less than its full passenger capacity, direct the passengers around the ride to balance the load. NEVER OPERATE THE RIDE WITH AN IMBALANCE OF MORE THAN SIX (6) ADULTS ON ANY ONE SIDE OF THE RIDE.



NUMBER: B376R1077-0

DATE: MAY 16, 1990

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

America's Largest Manufacturer of Amusement Rides

SERVICE BULLETIN

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.

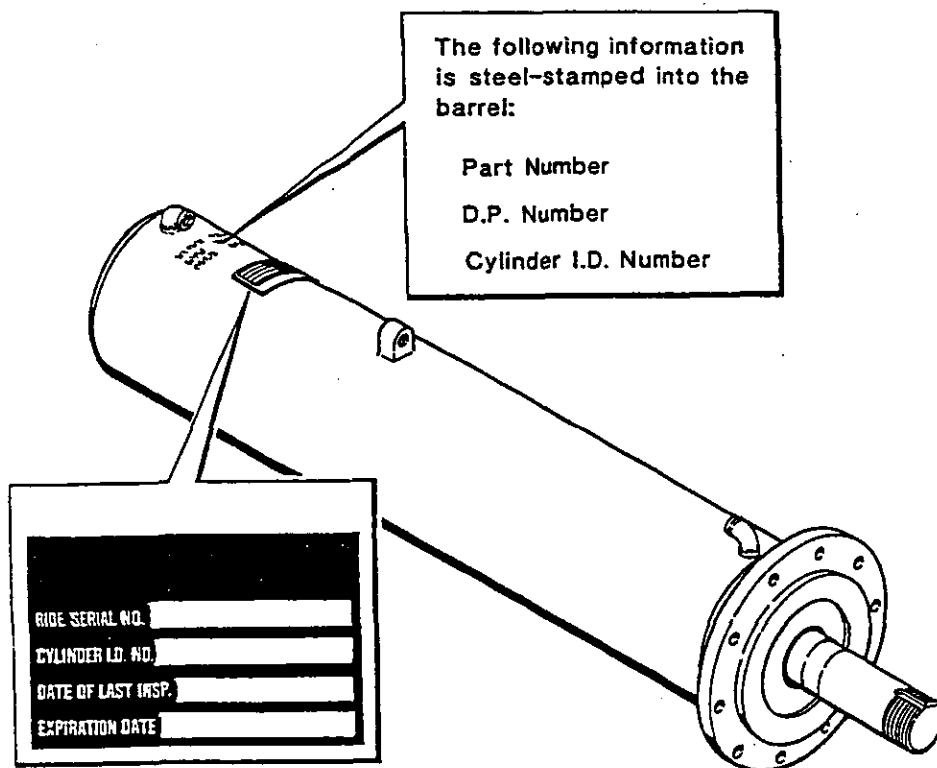
Chance Rides, Inc. rework consists of the following new parts:

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.

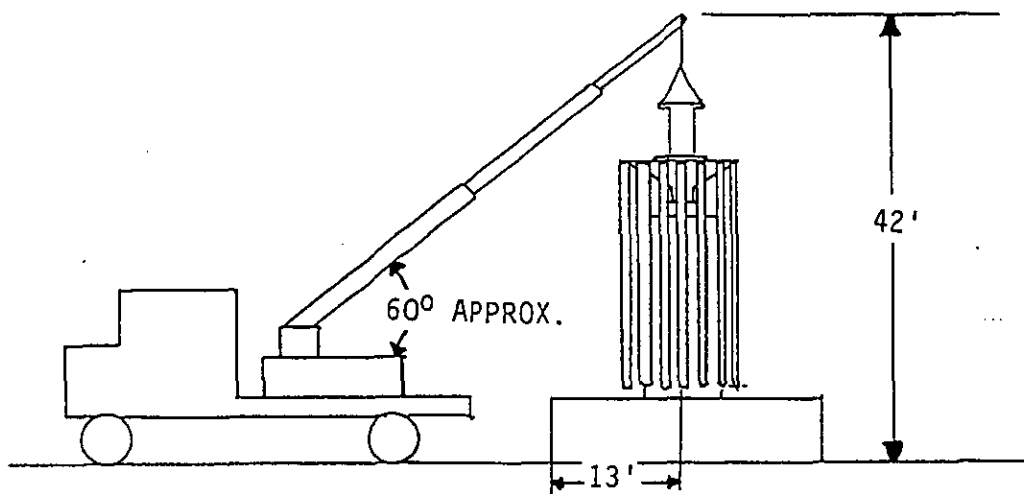
NOTE: If the cylinder identification markings are damaged, removed or are otherwise illegible, contact the Chance Rides, Inc. Customer Service Department.



SECTION II

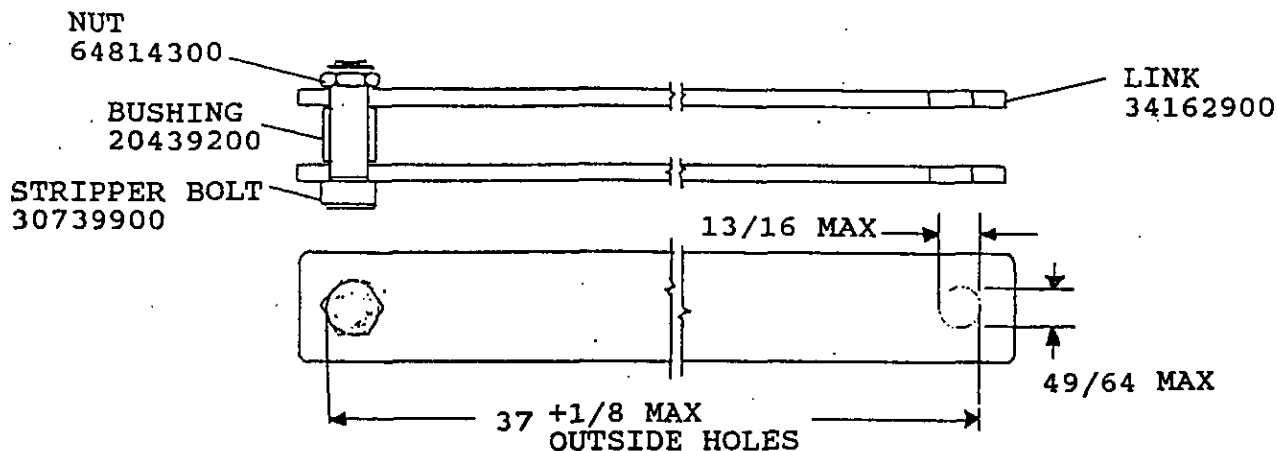
REMOVAL OF SWEEP CYLINDER FROM THE RIDE

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.

7. 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.



8. Return cylinder to Chance Rides, Inc. for a five (5) year reconditioning and replacement of the rod.
9. 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.



NUMBER: B376R1124-0

DATE: FEB. 19, 1993

SUPERSEDES:

SERVICE BULLETIN

Effective Serial Number: All Portable Units -
Chance Rides, Inc.
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: Tower Rooding Decal

Portable YO-YO amusement rides are designed with turnbuckles to secure the top end of the tower to the trailer when the ride is in the rooding position. Failure to properly secure the tower for rooding, as shown in the operator's manual, could result in structural damage to the ride, the trailer or personal injury.

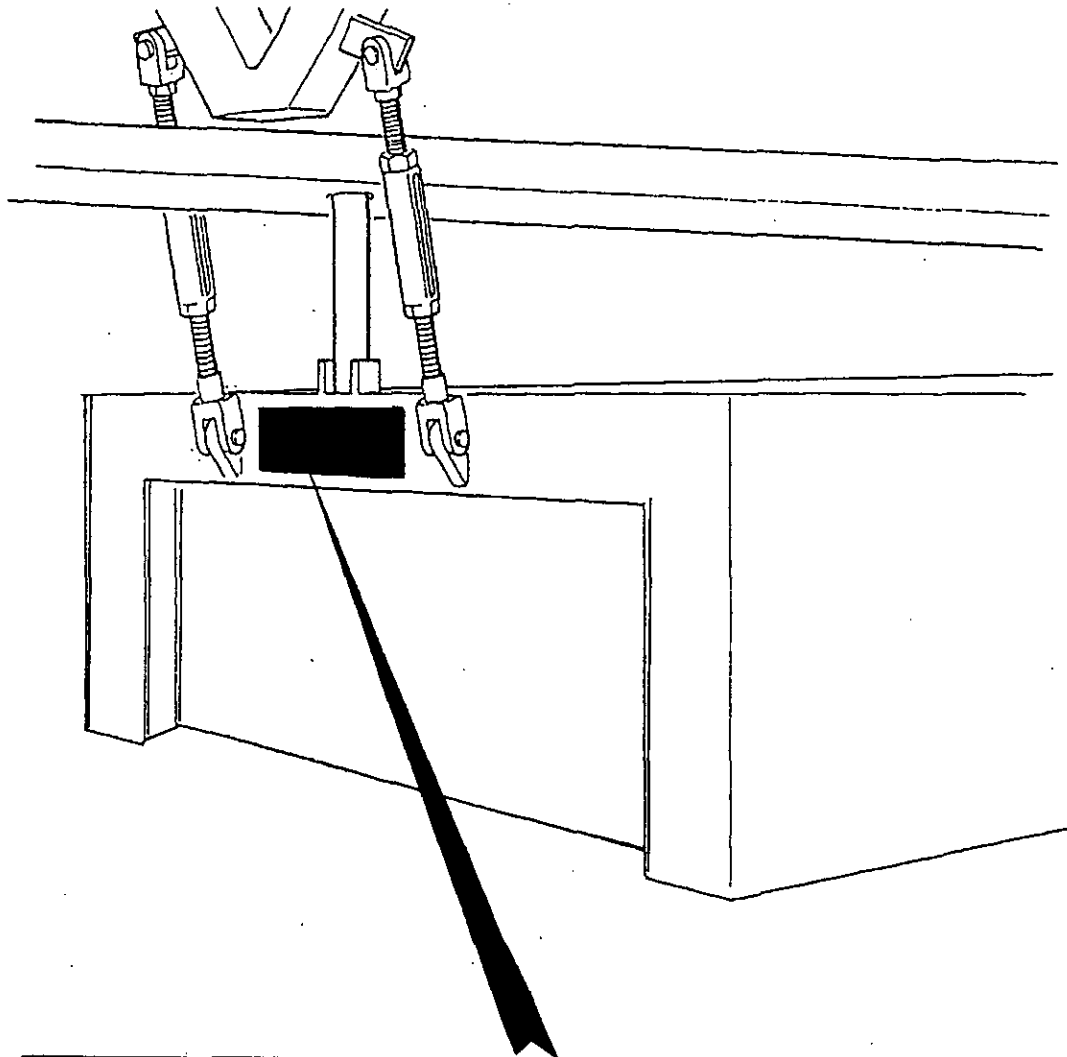
Chance Rides, Inc. has developed a decal to help alert owner/operators of the correct way in which to secure the YO-YO tower to the trailer for rooding. All owner/operators of portable YO-YO amusement rides are required to order and install this decal, part number 22203304, as outlined in this bulletin. One decal is required per ride and is free of charge if ordered within 90 days of the date on this bulletin.

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.

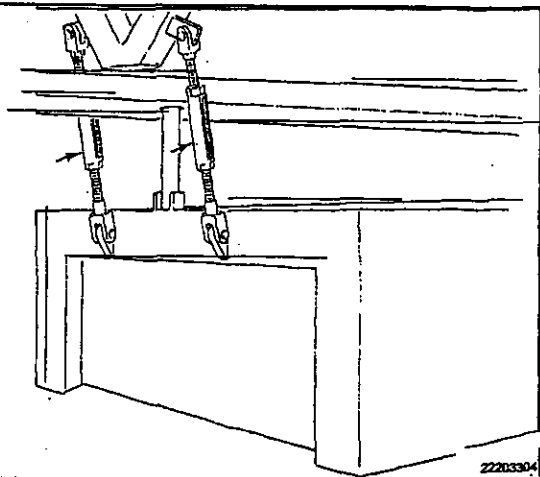
Chance Rides, Inc. SPECIFICALLY DISCLAIMS ANY LIABILITY for losses associated with any unauthorized alterations and/or modifications or additions and installations of unauthorized components.



NOTICE

ALWAYS ATTACH AND
TIGHTEN THE TOWER
ROADING TURNBUCKLES
BEFORE TRANSPORTING THE
RIDE.

FAILURE TO ATTACH THE
TURNBUCKLES CAN RESULT
IN SERIOUS DAMAGE TO THE
STRUCTURE.



22203304

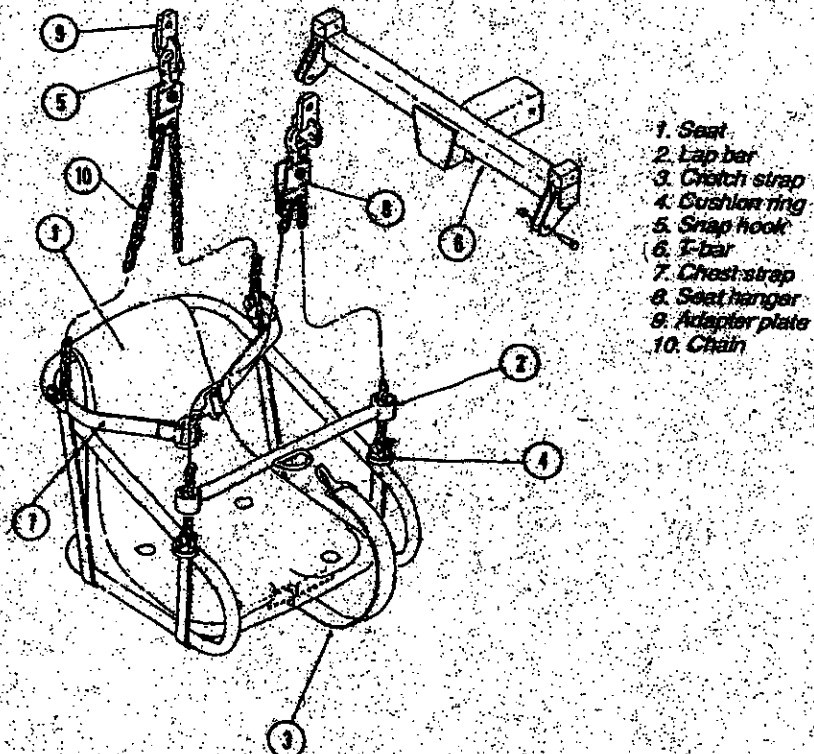


U.S. CONSUMER PRODUCT SAFETY COMMISSION
WASHINGTON, DC 20207

AMUSEMENT RIDE SAFETY ALERT!

On April 1, 2000, in Philadelphia, PA, an amusement ride, the "YoYo", owned by Benner Amusements, Middleburg, PA, was involved in an incident where one female and four male riders received minor injuries. The injured riders' ages ranged from 13 years to 22 years. The ride was made by a predecessor of Chance Rides, Inc. It was reported that a sweep spreader chain became entangled with the chair chains attached to a snap hook. This resulted in the snap hook and chair chains detaching and falling. While falling, the chair chains extended approximately sixteen feet past the radius of the ride as the ride was still revolving while the operator stopped the ride.

Although, the exact sequence of events has yet to be determined, the United States Consumer Product Safety Commission, [CPSC] working in cooperation with Pennsylvania, Kentucky, and Florida amusement ride safety officials, recommends that the following procedures should be followed on other "YoYo" amusement rides or similar amusement rides operating in your states.



Page 2

- Review emergency shutdown procedures.
- Inspect the condition of the sweep spreader chains for wear, stretching, cracking, or other damage.
- Inspect the condition of and operation of the snap lock.
- Inspect the condition of the rivet used to fasten the latch to the snap lock body.
- Observe the orientation of the sweep spreader chain to the snap hook and chains for entanglement during raising and lowering of the sweeps during each cycle of the ride.
- Follow the other inspection instructions in the Chance Rides, Inc. manuals and bulletins, etc. for any Chance "Yo Yo" ride or similar ride.
- Components found to be worn, stretched, cracked, missing parts, or damaged should be repaired per Chance Rides, Inc. (800-242-6231) instructions.
- During ride loading and operation any rider horseplay should be admonished.
- Should you require further assistance, or want to report an amusement ride problem, please call:

J. A. DeMarto,
CPSC, Office of Compliance,
301-504-0608 extension 1353

or

Thomas Caton
CPSC, Division of Mechanical Engineering
301-504-0494 extension 1305



CHANCE RIDES MANUFACTURING, INC.
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Website: www.rides.com
E-mail: rides@rides.com

Bulletin No:	B376CRM146-B
Release Date:	September 4, 2008
Effective Date:	September 4, 2008
Supersedes:	B376CRM146-A
Completion Date:	December 4, 2008
Page:	1 of 5

SERVICE BULLETIN

Ride Manufacturer: CHANCE RIDES, INC.

Affected Production Dates: All

Ride Name: YO YO

Affected Serial Nos.: All Units

Model No.: 376

Abstract of Issue:

Sweep Lift Cylinder Bearing Inspection and Rework

Reason For Release:

Service bulletin B376CRM146-A is superseded by this bulletin and is no longer in effect.

The sweeps on the YO YO connect to the sweep lift cylinder bearing assembly through the sweep links (the sweep lift cylinder bearing assembly is sometimes referred to as the “spider”). The bearing assembly is secured to the sweep lift cylinder rod by two bearing nuts, and further secured by LocTite® and a bearing lock washer. If the sweep lift cylinder bearing assembly comes loose from the cylinder rod, the sweeps will lower, which can result in personal injury to the passengers.

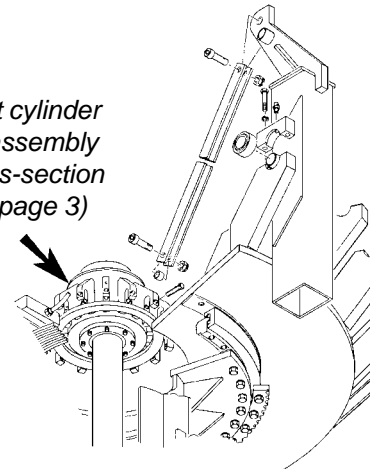
The design of this area has not changed in over 35 years of production. To date, 95 YO YO amusement rides have been built using this design. Chance Rides Manufacturing, Inc. believes that this time-proven design is sound and the ride is safe if all aspects of the design are maintained per the manufacturer’s specification.

The sweep lift cylinder bearing assembly and its connection to the sweep lift cylinder must be periodically inspected to ensure that the parts are functioning properly and that the connection is secure. A rework kit has been developed to make this periodic inspection easier. The rework also provides an additional means of retaining the bearing assembly to the cylinder rod.

This service bulletin defines the following:

- Requirements for performing the rework
- The procedure for inspection of the sweep lift cylinder bearing assembly and its connection to the sweep lift cylinder. This procedure is revised due to the rework.

*Sweep lift cylinder bearing assembly
(See cross-section view on page 3)*





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Page:	2 of 5

Ride Manufacturer: CHANCE RIDES, INC. Affected Production Dates: All

Ride Name: YO YO Affected Serial Nos.: All Units

Model No.: 376

Action to be Taken:

All owner/operators of YO YO amusement rides are required to rework the sweep cylinder bearing connection at the cylinder rod within 90 days of the receipt of this service bulletin. Further, the inspection described in this bulletin must be performed annually thereafter.

Order and install the Sweep Cylinder Rework Kit, part number K376CRM146-B within 90 days of the release date on this service bulletin. The kit will be provided at a reduced cost during this time frame. It contains all parts necessary to rework one complete ride. Detailed installation instructions are included with the kit.

Installation of this kit is visually indicated by the presence of the spacer ring, as shown on page 3 of this bulletin.

All work must be performed by qualified personnel, capable of understanding the function of the parts and their proper installation. Use only those components authorized, specified or provided by Chance Rides Manufacturing, Inc. All applicable OSHA safety standards and safe industry practices must be observed.

Observe all safety information contained in the manufacturer's manuals. Make available this bulletin and all related technical information to personnel using the equipment.

Chance Rides Manufacturing, Inc. issues notifications for the benefit of owners of amusement rides manufactured by Chance Rides Manufacturing, Inc. As a service to the industry, and in the interest of employee and public safety, Chance Rides Manufacturing, Inc. also issues notifications for the benefit of owners of amusement ride equipment for which the manufacturer no longer exists, such as the Allan Herschell Company, Chance Manufacturing Co., Inc., Chance Rides, Inc., etc. In doing so, Chance Rides Manufacturing, Inc. does not assume liability for losses associated with amusement ride equipment built by manufacturers other than Chance Rides Manufacturing, Inc.



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Ride Manufacturer: CHANCE RIDES, INC.

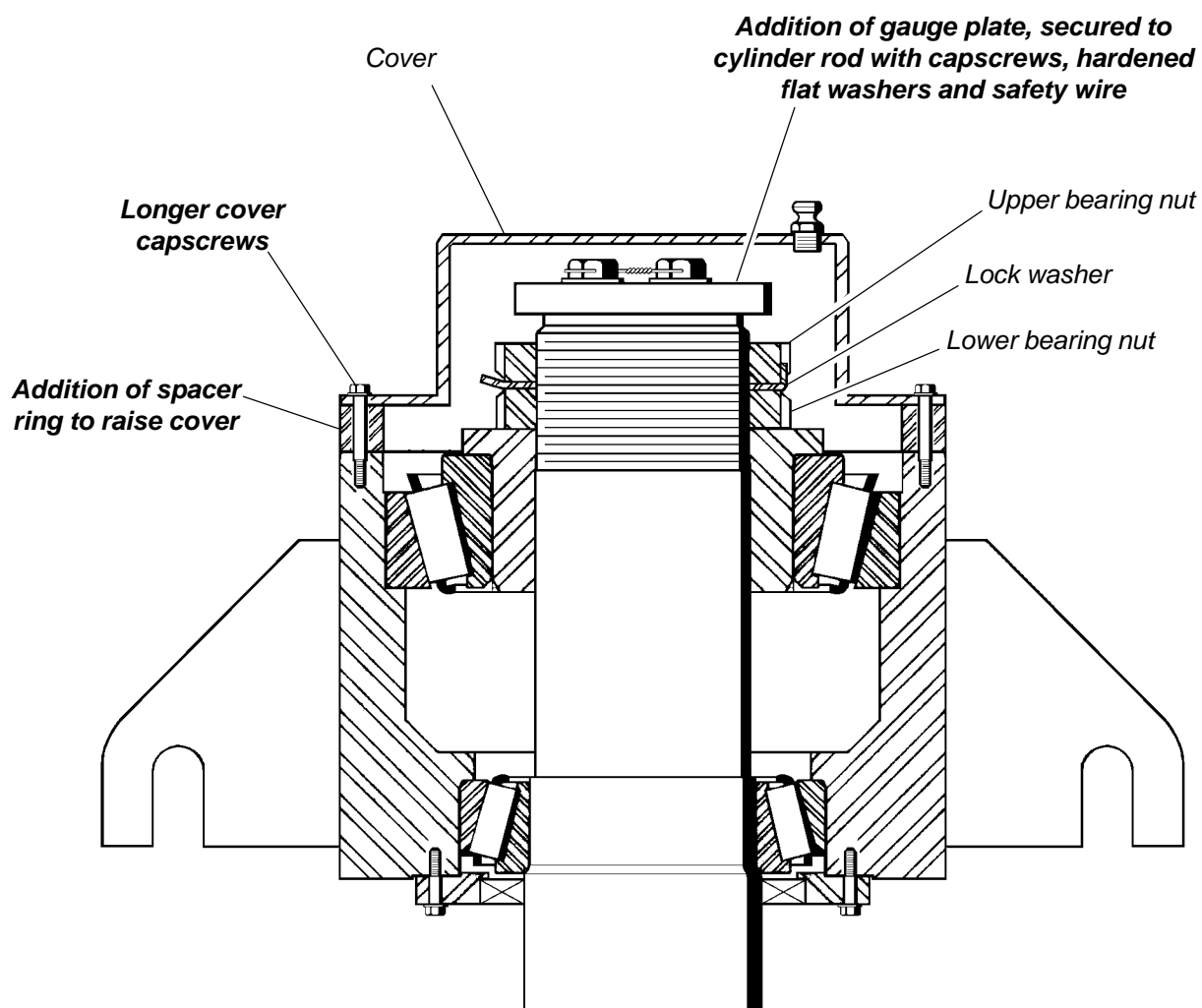
Affected Production Dates: All

Ride Name: YO YO

Affected Serial Nos.: All Units

Model No.: 376

Detail of Issue



**Cross-Section of
Sweep Lift Cylinder Bearing Assembly AFTER Installation of Rework Kit**



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Ride Name: YO YO

Affected Serial Nos.: All Units

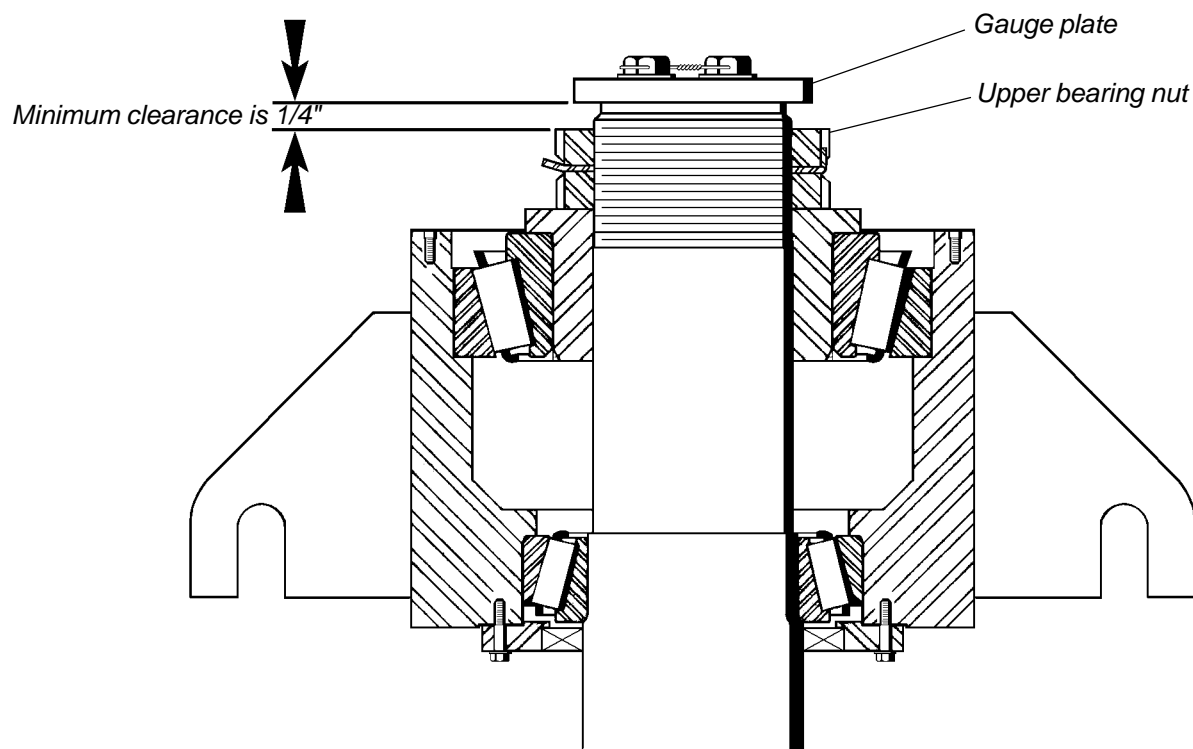
Model No.: 376

Detail of Issue (continued):

Annual Inspection Procedure

NOTE: This inspection procedure applies to rides with the Sweep Cylinder Rework Kit installed.

1. Remove the eight capscrews which secure the cover and spacer ring to the bearing housing. Remove the cover.
2. Wipe excess grease from the area between the gauge plate and the upper bearing nut.
3. Insert the gauge and check for clearance between the gauge plate and the upper bearing nut. (A 1/4" diameter drill bit or a section of 1/4" key stock can be used as a gauge). The minimum allowable clearance is 1/4".



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Ride Manufacturer: CHANCE RIDES, INC.

Affected Production Dates: All

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Affected Serial Nos.: All Units

Model No.: 376

Detail of Issue (continued):

- **If the gauge cannot be inserted**, it indicates that the bearing nuts have loosened. **DO NOT OPERATE THE RIDE UNTIL NECESSARY REPAIRS HAVE BEEN MADE.** Contact Chance Rides Manufacturing, Inc. for instructions.

- **If the gauge can be inserted**, the ride can be returned to normal operation after reassembly.

4. Thoroughly clean the cover and spacer ring.
5. Apply silicone sealant to the bottom side of the spacer ring and the flange on the cover. Install these parts and secure them in place with the cover capscrews, tightened to 5-6 ft-lbs.
6. After assembly is complete, use the grease fitting in the cover to completely fill the cavity with grease in accordance with the specifications in the *YO YO Operation and Maintenance Manual*.