



November 19, 1997

Zamperla, Inc., announced the release of a service bulletin requesting that owners/operators and inspectors of the "Lolly Swing" ride take certain steps to assure continued safe operation of the ride. Zamperla's service bulletin requires that the ride be properly leveled before operation and that visual inspections be conducted for any possible cracks at the base of the mast. A recent incident involving this ride is being investigated. However, rather than waiting for the results of the investigation, Zamperla wanted to get information out immediately to its customers regarding proper set up and inspection of the ride. For more information call Zamperla at 800-888-8878.

ZAMPERLA, INC.  
49 Fanny Road  
Parsippany, New Jersey 07054-0588  
USA  
Phone: 201-334-8133 Fax 201-334-8880

Bulletin No.:	97.LS1
Release Date:	11/19/97
Effective Date:	11/19/97
Supersedes:	
Completion Date:	Before next use.
Page:	1 of 1

# SAFETY ALERT

Ride Manufacturer: Zamperla, Inc.	Affected Production Dates: 11/10/95 to 11/19/97
Ride Name: Lolly Swing	Affected Serial Nos.:
Model Number: Lolly Swing	

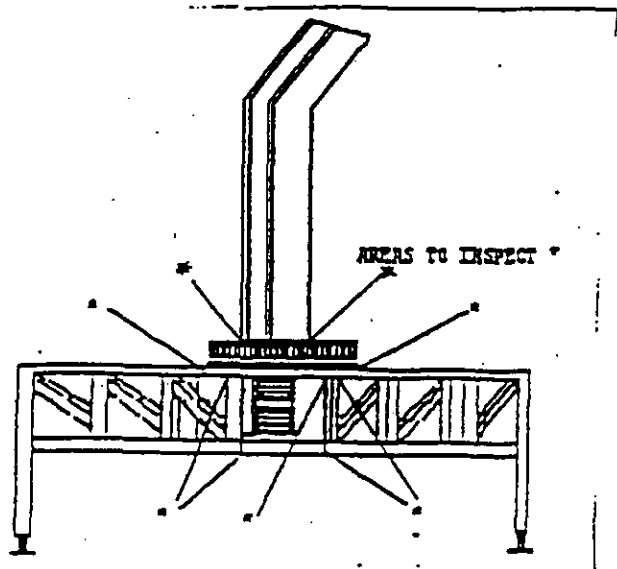
**Abstract Of Issue:**  
Inspection requirements for the ride center section.

**Reason For Release:**  
Possible cracking at the ride center.

**Action To Be Taken:**  
Inspection and magnetic partical testing.

**Detail Of Issue:**  
**Center Column:**  
A daily preoperational visual inspection of the attachment of the center column, including gussets, to the base plate is to be performed. Look for cracking along the welds. Such daily inspections are to be performed until this area has been non-destructively tested using the magnetic particle method by a certified technician. Thereafter, this area is to be visually inspected on a weekly basis.

**Support Frame:**  
Support frame members should be visually inspected weekly where indicated on the accompanying drawing.



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Phone: 973 334 8133 Fax: 973 334 6880

Bulletin No: 97 LS2  
Release Date: 12/8/97  
Effective Date: 12/8/97  
Supersedes: 97 LS1  
Completion Date: Before riding passengers  
Page: 1 of 2

## SERVICE BULLETIN

Ride Manufacturer: Zamperla Inc.	Affected Production Dates: All
Ride Name: Lolli Swing	Affected Serial Nos.: All
Model Number: Lolli Swing	

**Abstract Of Issue:**

Cracks have been found in the welds located at the center column base plate junction and in the lower center frame structure. See areas indicated on the accompanying diagram.

**Reason For Release:**

Same.

**Action To Be Taken:**

Magnetic particle testing by a certified NDT technician

**Detail Of Issue:**

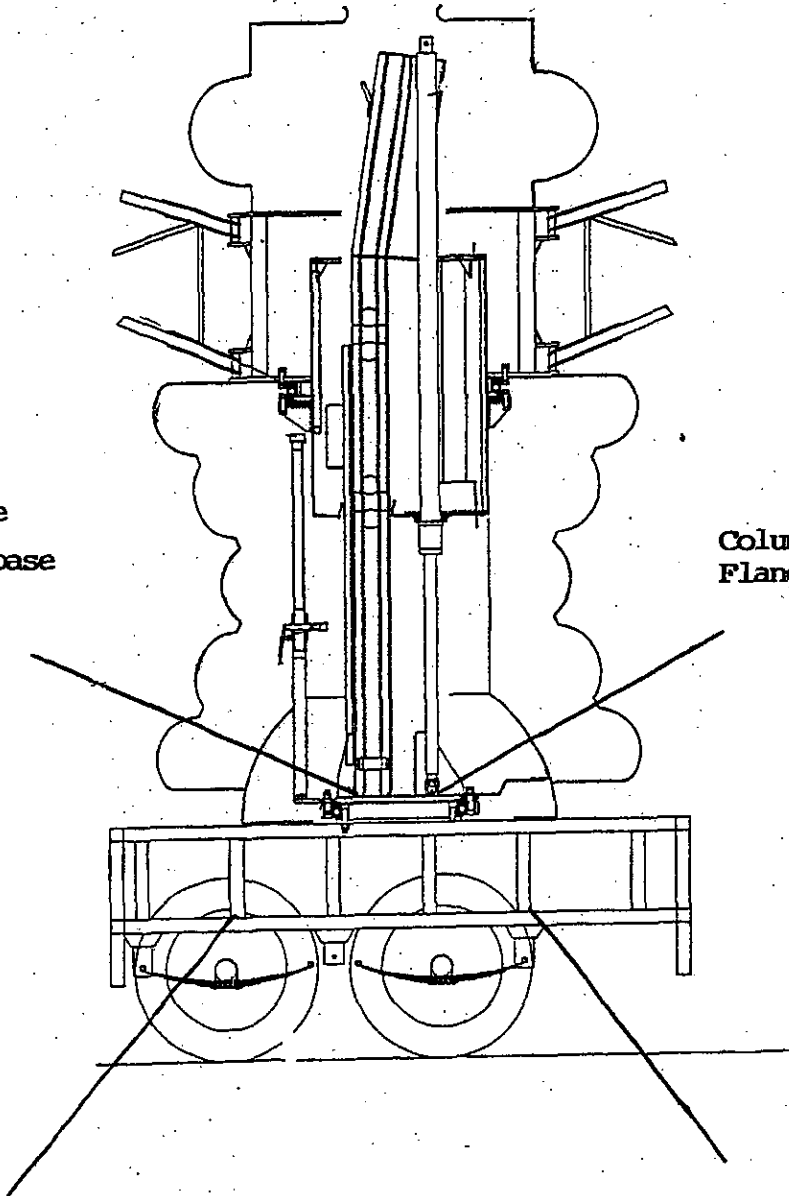
If cracks have been detected in the above mentioned welds and confirmed, please contact Zamperla Inc. for Notification of repair procedure.

**Future Action To Be Taken:**

Magnetic particle testing by a certified NDT technician annually.

TAB.	
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ed.	

ASSIEME  
ASSEMBLY



Inspect the column flange  
joint welds here at the base

Column joint  
Flange welds

Inspect the lower frame welds here

LOWER FRAMES WELDS

U.S. CONSUMER PRODUCT SAFETY COMMISSION  
WASHINGTON, D.C. 20207-0001

TO: ALL AMUSEMENT RIDE SAFETY OFFICIALS  
IMPORTANT  
AMUSEMENT RIDE SAFETY BULLETIN!  
RE: Zamperla "Lolli Swing"  
January 29, 1998

The U.S. Consumer Product Safety Commission (CPSC), in cooperation with Zamperla Inc. of Parsippany, NJ and the Florida Department of Agriculture, Bureau of Fairs and Expositions, investigated an amusement ride accident that occurred November 15, 1997 in Hollywood, FL at the "Wing Ding Festival", involving a Zamperla Samba "Lolli Swing". The ride is a mobile/trailer mounted ride and was 2 years old. It was operating with 12 passengers ranging in age from 3 to 37 years old. Apparently, the ride was operated in an unbalanced seating arrangement, when the center spindle/tower mast supporting the swings toppled over. All victims were treated and released at a local hospital, there were no serious injuries.

The Zamperla, Inc. "Lolli Swings" were manufactured from 1995 to 1997 in Altavilla, ITALY. Ten (10) units are currently operating in the U.S. , all are mobile style rides.

The area of the ride where the failure allegedly occurred may not have been a critical inspection area of the ride. Furthermore, it is an area which presents some difficulty for inspection.

Since concluding its investigation CPSC is asking all state and local amusement ride safety inspectors, insurance inspectors and private contract inspectors who are inspecting the "Lolli Swing" in their jurisdictions, as well as, owners and operators of the ride to take the following steps to insure these critical areas are inspected:

- Visually examine the center spindle/tower mast for cracking (Fig. 1), especially those areas covered by the fiberglass shroud. The visual inspection should be done during setup, and at takedown (the minimum inspection interval should be weekly, whether or not the ride is transported). Inspection will involve removing the shroud to reveal the areas to be inspected.

- Avoid loading the ride in an unbalanced condition even when children are the only riders. Follow age restrictions provided in the ride manual and instructions.

- Non-destructively inspect (Magnetic Particle) the critical areas identified by Zamperla, Inc. (Fig 1). Inspection should be done immediately and annually, thereafter. Inspection should be done by an inspector certified in the above technique. Non-destructive inspection may involved removal of paint from those critical areas to be inspected

As additional information becomes available we may update this alert. Please note that our statute permits us to share this information with you -- but you are not authorized to release it to the public.

For further information contact:

Zamperla, Inc. at (800) 888-8878

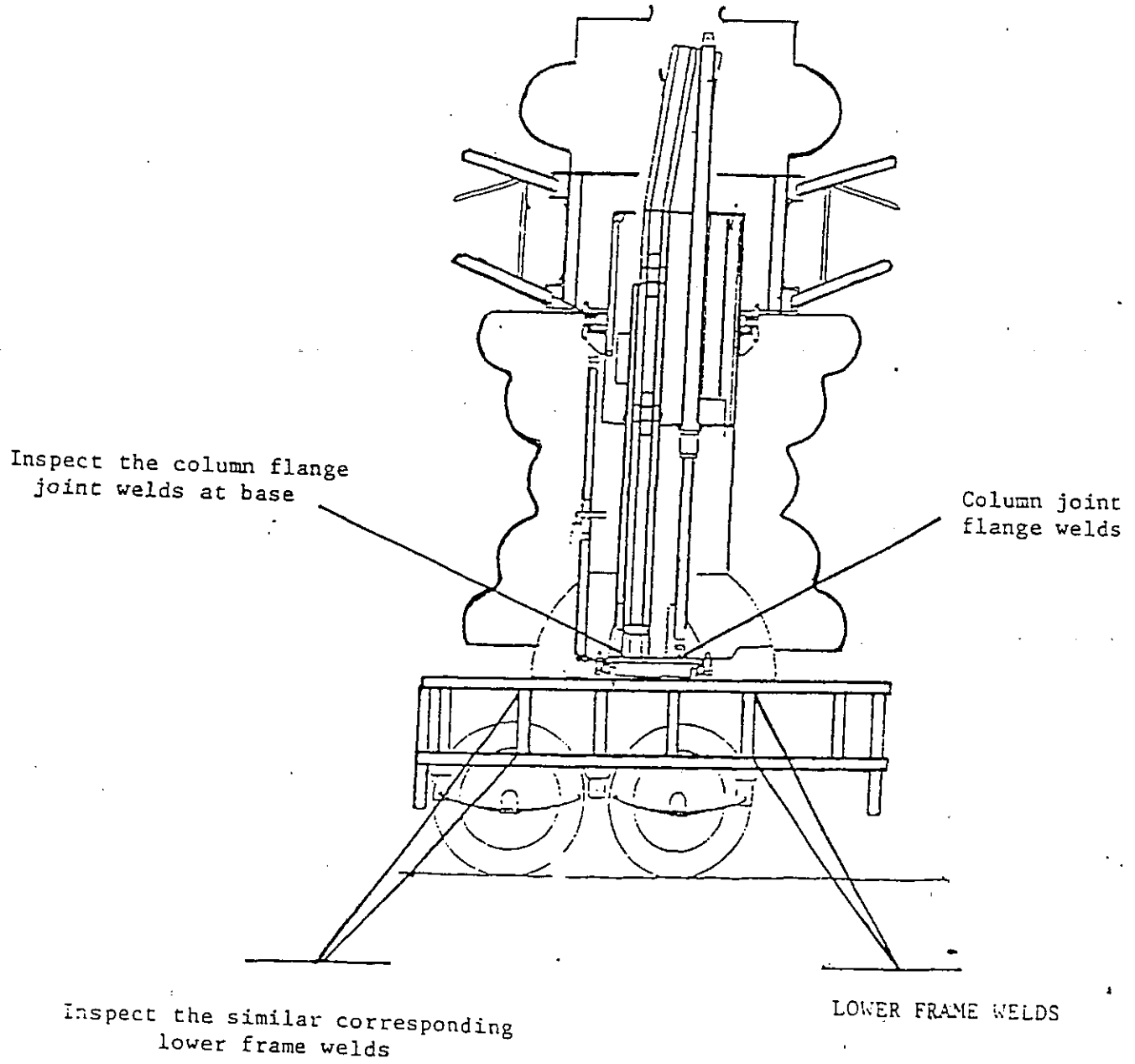
or

The U.S. Consumer Product Safety Commission at:

J. A. DeMarco, Division of Corrective Actions at (301) 504-0608 x 1353 or Tom Caton, Division of Mechanical Engineering at (301) 5040504 x 1305.

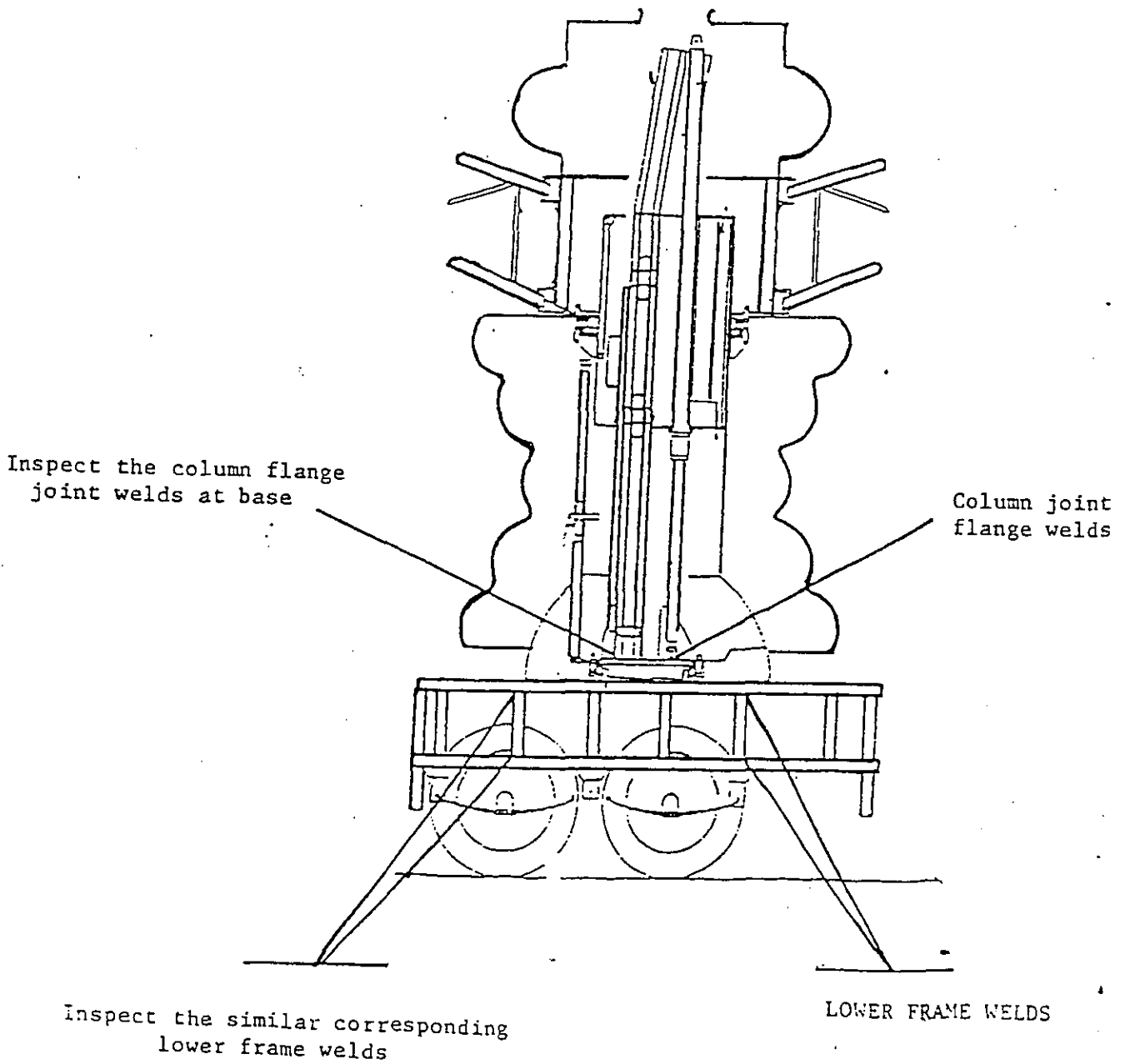
( FIG. 1 )

# Zamperla, Inc., Lolli Swing



( FIG. 1 )

# Zamperla, Inc., Lolli Swing





## FOR OFFICIAL USE ONLY

After examining a "Swinger" ride with the Maryland Division of Labor and Industry the CPSC is asking all state and local amusement ride safety inspectors and officials who are inspecting the "Swinger" in their jurisdictions, as well as, owners and operators of the ride to take the following steps to insure these critical areas are inspected:

1. Measure the gap between the hub and the upright tube. The gap should be 3/8-inch to 1/2-inch wide. If gap is insufficient, pull hub and upright tube apart. Inspect all surfaces for wear and cracking. Welds on the entire tubes surfaces and structure should be inspected for cracks. Repair as necessary. Non-destructive techniques should be used for crack inspection [See Fig.1].
2. Measure spacing of radial bearing rollers and spindle. It should be 0.010-inch. If not, adjust to 0.010-inch [See Fig. 2].
3. Repair is necessary if it appears that the hub has worn into the spindle plate.
4. If damage is observed on any surface of the upright tube, welds, spindle, spindle plate, or hub, pull the hub off of the spindle. Inspect and repair as required.
5. This inspection should be done in addition to regular swinger inspection procedures.
6. This inspection should be done at every set-up or every 200 hours, whichever comes first.

As additional information becomes available we may update this alert. Please note that our statute permits us to share this information with you -- but you are not authorized to release it to the public.

For further information contact:

J. A. DeMarco, Division of Corrective Actions at (301) 504-0608 x 1353 or Tom Caton, Division of Mechanical Engineering at (301) 504-0504 x 1305.

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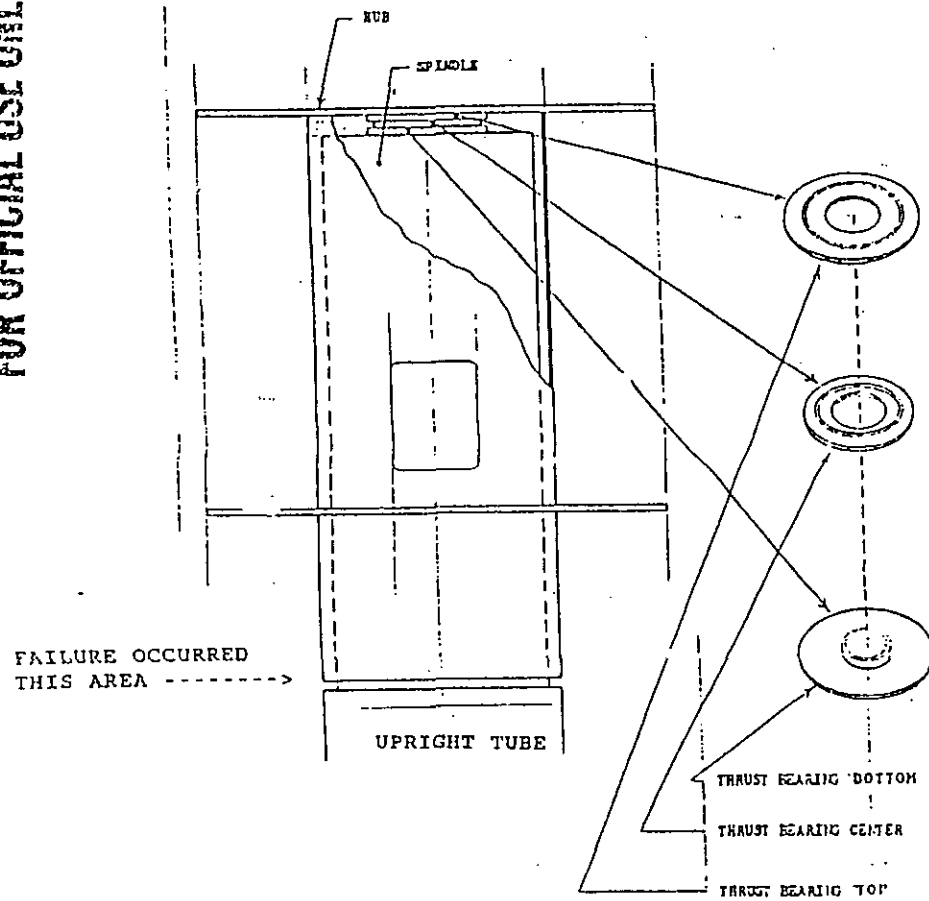


FIGURE 1 - AREA OF FAILURE

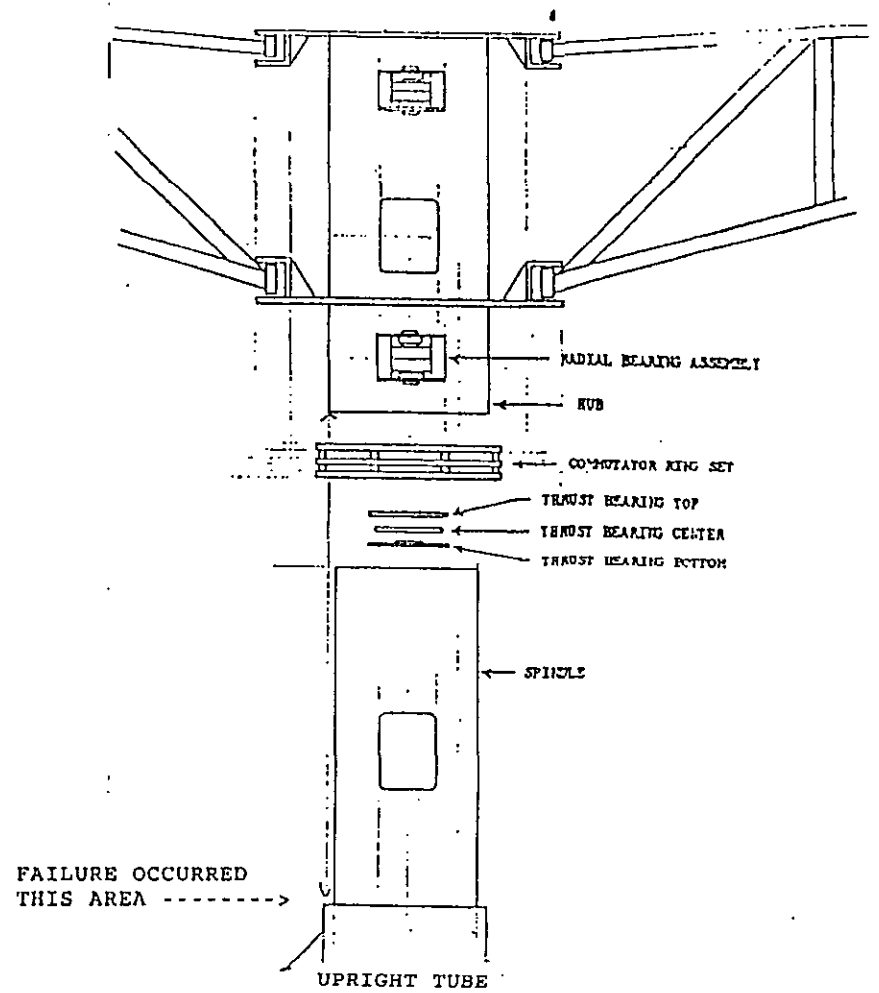


FIGURE 2 - CLOSE-UP AND EXPANDED SCHEMATIC OF SUBJECT AREA

ZAMPERLA INC.  
49 Fanny Road  
Parsippany, New Jersey 07054-0598  
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Phone: 973 334 8133 Fax: 973 334 6880

Bulletin No: 98 LS1  
Release Date: 3/20/98  
Effective Date: 3/20/98  
Supersedes: 97 LS3  
Completion Date: As soon as possible  
Page: 1 of 3

## SERVICE BULLETIN

Ride Manufacturer: Zamperla Inc.	Affected Production Dates: All
Ride Name: Lolli Swing	Affected Serial Nos.: All
Model Number: Lolli Swing	

**Abstract Of Issue:**

Cracks have been found in the welds located at the center column base plate junction and in the lower center frame structure.

**Reason For Release:**

This reinforcement kit when installed properly will strengthen the center column base plate junction and the lower center frame structure.

**Action To Be Taken:**

Examine the accompanying drawings and have a certified welder install the components of the column and frame reinforcement kit.

**Detail Of Issue:**

The reinforcement kit contains two drawings, one for the column base plate junction and one for the lower frame structure. The kit also contains the necessary metal components to complete this task.

**Future Action To Be Taken:**

None

## Lolli Swing Reinforcement Kit

The Lolli Swing Reinforcement Kit was designed to reinforce the Lolli Swing ride frame components. The kit consists of two parts:

### Part one:

The first part of the kit provides for reinforcement of the center-rotating column. The column is already supported with gussets. The kit adds thickness to the metal surface by the addition of metal plates. Additional gussets are added to increase the strength of the thicker metal plates.

### Part two:

The second part of the kit provides for stabilizing the lower center frame. The kit adds four additional feet to the center frame area. The feet are located in line with main frame members, which stabilize the center frame to the ground. This prevents flexing in the center frame, which will prevent cracks in the lower frame from developing.

After completion of the above modifications by a certified welder, there is no need to NDT the ride on an annual basis. There is always a need to visually examine the ride components following a routine inspection process.

Phil Castellano  
Customer Service Manager

Lolly Swing

Subject: RE: Lolly Swing  
Date: Mon, 17 Jan 2000 09:37:50 -0500  
From: Donald Pratola <dpratola@zamperlarides.com>  
To: Michael W Rinehart <rineham@doacs.state.fl.us>

*Zamperla "Lolly Swing"*

*00-02 Zamperla Lolly  
Swing*

I have reviewed your E-mail and it looks ok. I hope this information was helpful to

Thank you,  
Don Pratola

-----Original Message-----

From: Michael W Rinehart [SMTP:rineham@doacs.state.fl.us]  
Sent: Friday, January 14, 2000 8:03 AM  
To: Pratola "Zamperla", Don  
Subject: Lolly Swing

Mr. Pratola, please review the following for accuracy before I send it to our inspectors:

" Zamperla rides has provided the following up date regarding the Lolly Swing/Sambas. Those rides affected by the CPSC bulletin (BFI98-4), and Zamperla's Service Bulletin 97 LS2, requiring the shroud to be removed and the base plate inspected are the following serial numbered rides:

SS16R148US94	SB32R115US96	SB32R174US95	SB16R308US95
SB32R108US96	SB32R057US97	LS32R172US96	LS32R173US95
SB16R307US95			

" Zamperla requires all other Lolly Swings/Sambas have magnetic particle testing done by a certified NDT technician annually.

" If you have any questions regarding this matter please give me a call.  
Mike Rinehart. "

Your continued cooperation is appreciated. Mike.  
<< File: ATT00001.htm >>

01-13

ZAMPERLA INC.  
49 Fanny Road  
Parsippany, New Jersey 07054-0598  
USA  
Phone: 973 334 8133 Fax: 973 334 6880

Bulletin No: 2001LS1  
Release Date: September 17, 2001  
Effective Date: September 17, 2001  
Supersedes:  
Completion Date: As soon as possible  
Page: 1 of 2

## SERVICE BULLETIN

Ride Manufacturer: Zamperia SPA	Affected Production Dates: All
Ride Name: Lolli Swing	Affected Serial Nos.: All
Model Number: Lolli Swing	

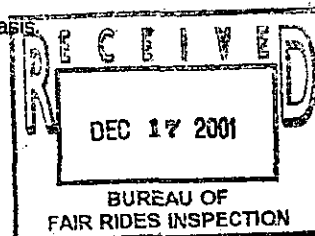
Abstract Of Issue:  
Cracks have been found in the tubing of the sweep arm.

Reason For Release:  
Same

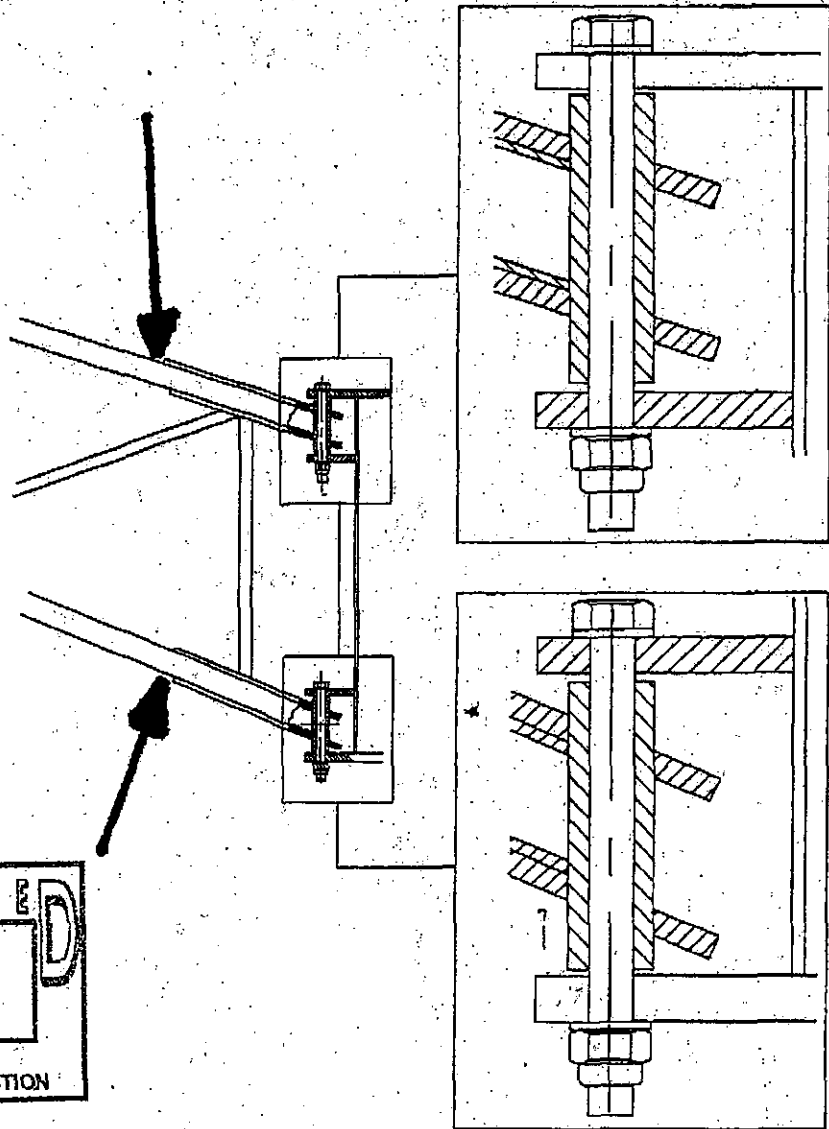
Action To Be Taken:  
Visually inspect the area indicated on the attached diagram. If there is evidence of cracks, shut ride down and contact Zamperia for repair procedure.

Detail Of Issue:  
Diagram page # 2

Future Action To Be Taken:  
inspect this area on a monthly basis



CAPRIATE TRUSSES	Daily	Weekly	Monthly	Quarterly	Six months	Annually
Verificare che i bullone sia chiuso correttamente. Check that the bolt is correctly closed				●		



RECEIVED  
 EC 17 2001  
 BUREAU OF  
 RIDES INSPECTION