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## FAR Fabbri Crazy Dance fatigue cracks

NAFLIC has received a technical bulletin written and issued by Dr. Eng Alberto Fabbri in Italy relating to fatigue cracks on several main axles of the passenger vehicles on a FAR Fabbri-built Crazy Dance ride.

The device was manufactured in 1997 and the cracks were discovered during an NDT inspection.

*The accompanying information is that of the manufacturer and not NAFLIC. When following the advice from the manufacturer, you are reminded of your duties and responsibilities under HSG175 regarding modifications.*

# Technical Bulletin



**Issued by:** Dr. Eng Alberto FABBRI  
Based in 45032 Bergantino RO - Italy  
(Emesso da / Publi  par / Publicado por)

**Date:** 27 August 2019  
**Contact:** [alberto@fabbrirides.com](mailto:alberto@fabbrirides.com)

[Note: This image is only for reference]

## English:

During our activity of NDT inspection of weldings on amusement rides we found in one attraction CRAZY DANCE, originally manufactured by FAR Fabbri (Italy) approx. in year 1997, fatigue cracks on several main axles of the passenger's vehicles.

## Italiano:

Durante la nostra attivit  di controllo NDT di saldature nelle giostre abbiamo trovato in una attrazione CRAZY DANCE, costruita originamente da FAR Fabbri (Italia) approx. nell'anno 1997, cricche a fatica in alcuni perni di sostegno della vettura passeggeri.

## Esp ol:

Durante nuestra actividad de inspecci n END de soldaduras en atracciones, encontramos en una atracci n CRAZY DANCE, originalmente fabricada por FAR Fabbri (Italia) approx. en el a o 1997, grietas por fatiga on varios ejes (flechas) principales de los coches de pasajeros.

## Fran ais:

Pendant notre activit  de controle CND des soudures des man ges, on a trouv  dans un man ge CRAZY DANCE, fabriqu    l'origine par FAR Fabbri (Italie) approx. en 1997, des fissures   fatigue dans l'axe qui soutient la gondole des passagers.



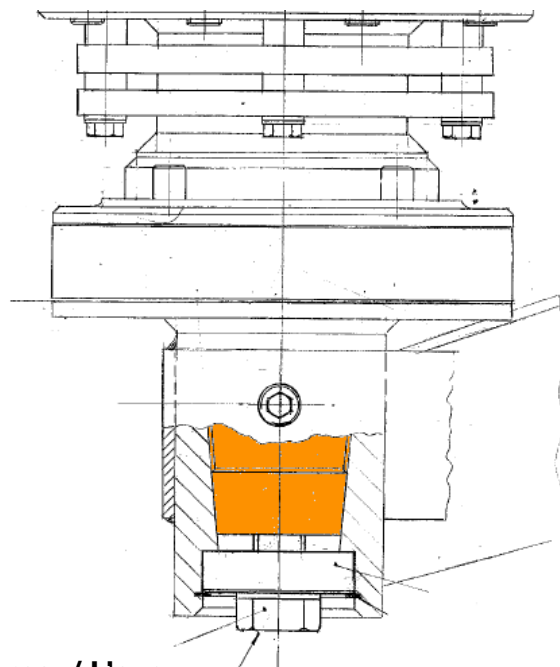
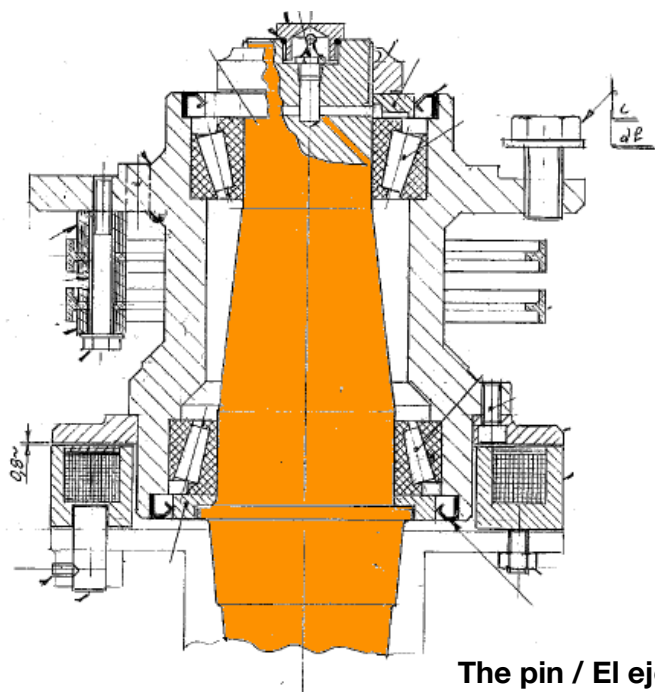
The axle is inside here / El eje esta aqu  dentro / Il perno   qui dentro / L'axe se trouve dedans ici

**English:** The pin (in orange colour in the two pictures here below) holds the gondola and is fixed on the arm of the satellite. The bottom part (root) has been found cracked in several gondolas (see two bottom photos). I suggest to have all pins NDT MT checked as soon as possible.

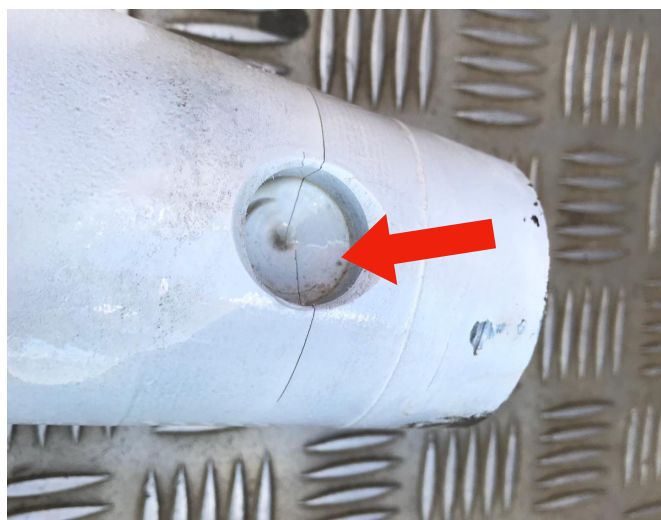
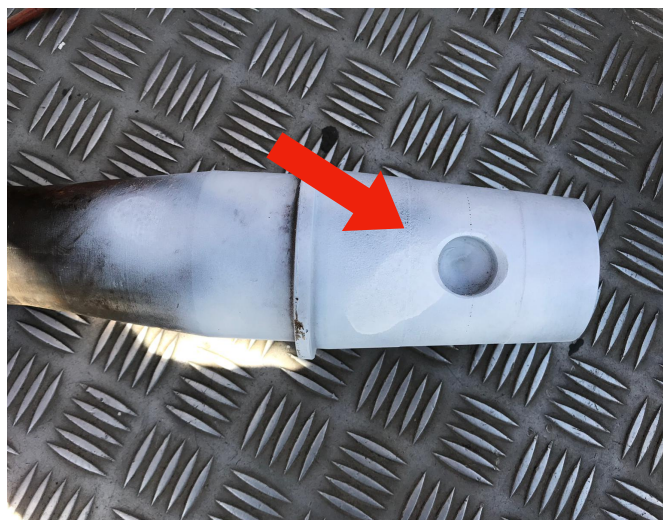
**Italiano:** Il perno (in color arancione nelle immagini qui sotto) sostiene la vettura dove i passeggeri stanno seduti ed è fissato sul braccetto del satellite. La parte inferiore (radice) di questo perno è stata trovata con cricche a fatica su varie navicelle (vedi foto in basso). Si suggerisce di controllare tutti i perni il più presto possibile con magneto-scopia.

**Español:** El eje (en color naranja en los dibujos aquí abajo), detiene el coche de los pasajeros y esta conectado al brazo del satélite. La parte baja (raíz) de este eje se encontró agrietada por fatiga en varios coches (véanse fotos aquí abajo). Se aconseja de hacer un control magnetico (END MT) de todos los ejes los más pronto posible.

**Français:** Cet axe (en couleur orange dans les images ci-dessous) tient la gondole où les passagers s'assoient et est fixé sur le bras du satellite. Cet axe on l'a trouvé fissuré à fatigue sur plusieurs gondoles (voir photos ci-dessous). On conseille de faire un control CND magnétique de tous les axes le plus tôt possible.



The pin / El eje / Il perno / L'axe



The cracked pin / El eje agrietado / Il perno criccato / L'axe fissuré