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SERVICE BULLETIN

Ride Manufacturer: BERTAZZON 3B Srl	Affected Production Dates: Prior 2020 (all)
Ride Name: MUSIK-EXPRESS	Affected Serial Nos.: ALL
Model Number: All models equipped with No. 20 radial arms and No.20 gondolas	

Abstract Of Issue: Periodic execution of Non Destructive Test (NDT) on welded joints of following components : - Radial arms (outer section) - Carriages (supporting bars connecting to the radial arms)			
Reason For Release: Periodic verification of the integrity of the components and welded joints most subjected to fatigue, also in consideration of the fatigue design approach defined in the most recent EN-ASTM technical standards concerning the design of amusement rides.			
Action To Be Taken: The execution of Non-Destructive Tests is required on a periodic basis as described below.			
Type of NDT	Frequency	Range	Description
Visual Test	Yearly	100%	- Overall inspection of the radial arms and 100% of welded joints as indicated at Fig. 1/A - 100% of welded joints concerning the Carriages supporting bars, as indicated at Fig. 1/B
Magnetic Particle	After the first 5 years of operation (from the year of manufacture), and then every two years	50%	- 50% of welded joints concerning radial arms, as indicated at Fig. 1/A - 50% of welded joints concerning the Carriages supporting bars, as indicated at Fig. 1/B If the test highlights a problem on a single joint, the test must be extended to 100% of the welded joints Please test the joints not checked in the previous test session (alternation of checks).
In addition to above listed NDT, we require to execute Visual Check of above components on a weekly base. This is not intended to be a NDT and shall be executed within the routine checks/maintenance activity of the ride. This bulletin shall be enclosed to the Equipment's Manual as integration of the maintenance/inspection requirement to the amusement ride.			
Detail of Issue: See attachments			

COMPONENTS SUBJECT TO NON-DESTRUCTIVE TEST

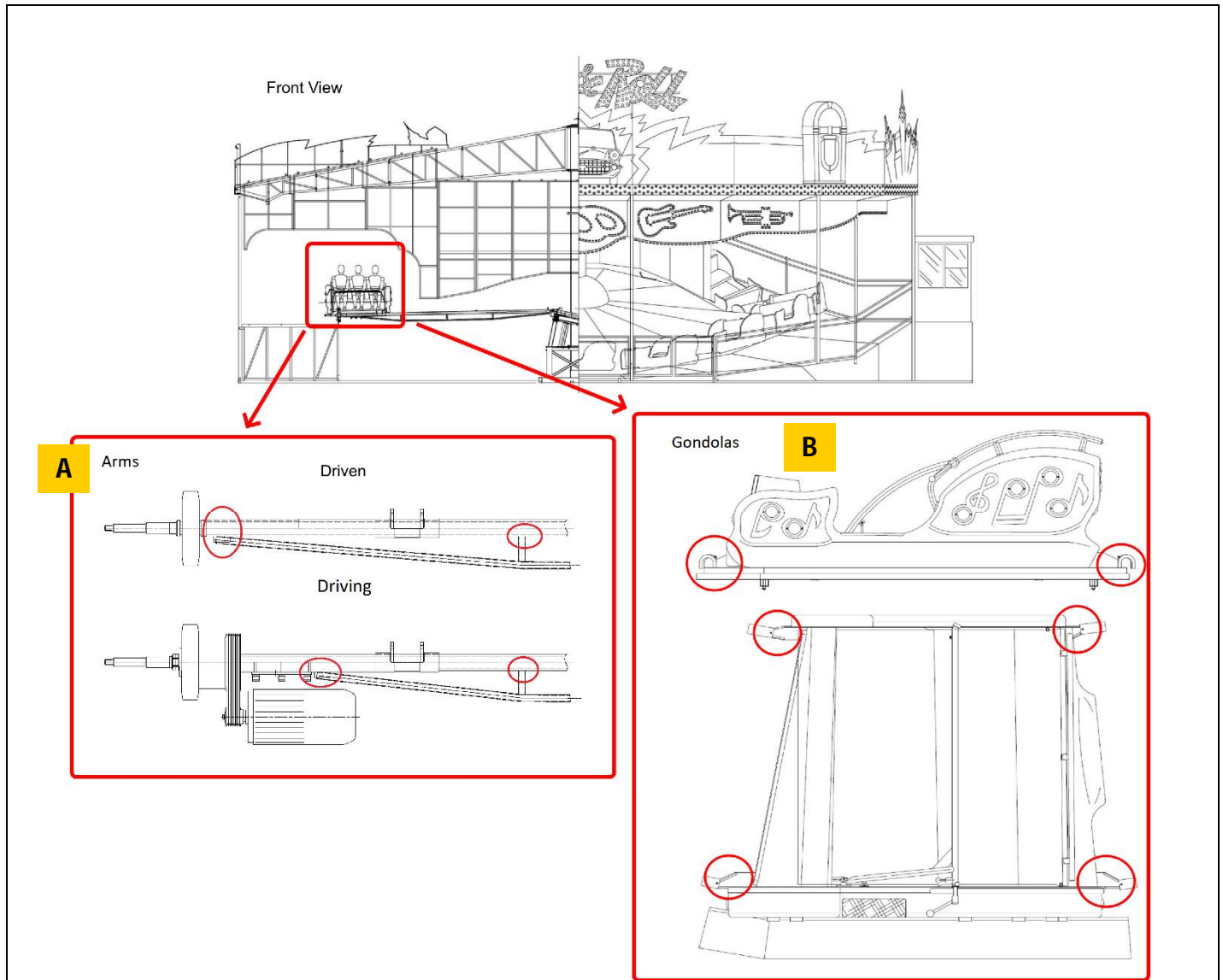


Fig. 1 – Components subject to NDT

Ref.	Component Description	Welds to be Examined
Fig. 1/A	"Radial Arms"	> Welds indicated in detail of both sides of the radial arm
Fig. 1/B	"Carriages"	> Welds indicated in detail, in correspondence of the hooks connecting the Carriage to the radial arms