

GIBELG
 03-0-20
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CONFIDENTIAL INFORMATION
 This document and the information contemplated therein have to be considered as Confidential Information pursuant to the provisions of Clause 25 of the MSA, and treated as such.

APPLICATION REFERENCE

MOUNTING	DESCRIPTION	STATION	CAR TYPE						WORK INSTRUCTION	SAFETY ?
			TC1	M4	M1	M2	M3	TC2		
<input type="checkbox"/>	DTR3-PROCE-14 LEVELLING, WEIGHTING AND BALANCING M CAR	FT1140		1	X	1	1		PRA.FT1140.04	YES
<input type="checkbox"/>	DTR3-PROCE-14 LEVELLING, WEIGHTING AND BALANCING TC CAR	FT1140	1					1	PRA.FT1140.05	YES
<input type="checkbox"/>	DTR3-PROCE-17 LEVELLING, WEIGHTING AND BALANCING TC CAR	FT1140	1	1	1	1	1	1	PRA.FT1140.05	YES
<input type="checkbox"/>	DTR3-PROCE-17 LEVELLING, WEIGHTING AND BALANCING TC CAR	FT1140	1	1	1	1	1	1	PRA.FT1140.05	YES
<input type="checkbox"/>										
<input type="checkbox"/>										
<input type="checkbox"/>										

REV	DATE	MODIFICATION CONTENT	RESPONSIBLE	NAME	DATE
7	2/11/2020	UPDATE OF AIR TIGHTNESS TEST TIME FROM 4 MIN TO 5 MIN. ADD PANTOGRAPH AIR TIGHTNESS.	APPROVER	GIVEN SILOWA	2/11/2020
			CHECKER	SIMON MOKOENA	2/11/2020
			COMPILER	COMFORT MALATJI	2/11/2020
8	9/13/2021	ADDING GAUGE MEASUREMENT CHECK ON THE SI.	APPROVER	MAKOFANE LUCY	9/13/2021
			CHECKER	RATAU EDISON	9/13/2021
			COMPILER	TSAKANI KHOSA	9/13/2021
9	5/31/2022	pressure valve (APV) Isolation	APPROVER	MAKHURUPETJI THABANG	5/31/2022
			CHECKER	HAZEL MGIBA	5/31/2022
			COMPILER	RATAU EDISON	5/31/2021

TUE	CAR	OPERATOR NAME	DATE	SELF INSPECTION NUMBER	PAGES
TS 231	M1	Andrew	20/06/24	SI.FT1140.52	01/08



SELF INSPECTION INDUSTRIAL QUALITY

Rev:09

Date:

5/31/2022

Project:
PRASA

SI.FT1140.52

Car:

NCR:

Work Station

FT1140



Safety Related

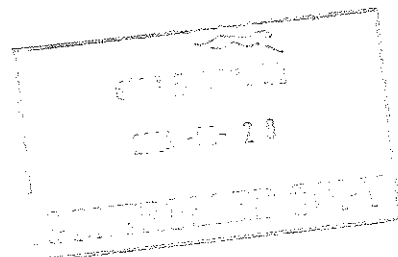
I - Document and Instrument Control

I.1 - Documents control

Document	TCI	MI	ME	MS	MA	TC3	Revision	Remark	OK	NO	Signature/Date
PRA.FT1140.04											
PRA.FT1140.05		✓							✓		<i>[Signature]</i> 20/06/24
PRA.FT1140.05											

I.2 - Instruments Control - Monitoring and Measuring Instrument Control (Used for all instrument with calibration needed)

Instruments description	Serial number	Calibration or Verification Validation Date	OK	NO	Signature/Date
Measuring tape	GIBTA 0276	26/10/23-26/10/24	✓		
Vernier Caliper	GIBVR 0056	27/02/24-27/02/25	✓		
Torque wrench 33 N.m	D9511023	19/12/23-19/12/24	✓		<i>[Signature]</i> 20/06/24
Torque wrench 150 N.m	D28692009	19/12/23-19/12/24	✓		
Torque wrench 320 N.m	A9650027	21/12/23-21/12/24	✓		





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II - Self Inspection - Items to Check

II.1 - Items to Check

Item	Picture/Sketch	Description	Criteria/Record	OK	Signature/Date								
01		Ensure that the average pressure valve (APV) is isolated by capping the two input pipes at the fittings installing the blanking fitting on the pipes highlighted		✓	 20/06/24								
02		Check underframe pipe system Air tightness. Test performance according to WI PRA.FT1130.15.	The test was performed and no leak was observed. Initial pressure (IP) 10.10 bar Final pressure (FP) 10.2 bar FP - IP = 0.04 bar APPROVAL CRITERIA: After 5 minutes the pressure cannot drops more than 0,2 bar	✓	 20/06/24								
03		Movement performed at least 50m to shudder the car. And position on the leveled load cell, with wheels on the center.		✓	 20/06/24								
04		Measurement inspection was done with car on condition AWD and the rail levelled. (The load cells system must be levelled and calibrated)	Calibration Validation Date <u>19/12/2023</u>	✓	 20/06/24								
05		In case of the equipments not installed, equivalent weight of the item should be added in the same place to simulate the equipment. (Any simulated weight, add on pending list)	<table border="1"> <thead> <tr> <th>EQUIPMENT DESCRIPTION</th> <th>WEIGHT (kg)</th> </tr> </thead> <tbody> <tr> <td>GRANDWAY</td> <td>380</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	EQUIPMENT DESCRIPTION	WEIGHT (kg)	GRANDWAY	380					✓	 20/06/24
EQUIPMENT DESCRIPTION	WEIGHT (kg)												
GRANDWAY	380												
06		The pressure difference between air spring on each bogie when raise the pressure was maintained < 0.3 bar.		✓	 20/06/24								
07		Measurement recorded with empty suspension and loaded are on conformity with tolerances of the project.		✓	 20/06/24								
08		All levelling measurements are according to the reference. (Values out of reference must be recorded on "Description of defects")		✓	 20/06/24								

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Item	Picture/Check	Description	Criteria/Record	OK	Signature/Date
09		Check that the levelling rods are torqued and have torque marker.		✓	<i>[Signature]</i> 20/06/24
10		The difference of weight between the left and right wheels of each axis, must be ≤ 4%. (Verify on the T&C equipment if all arrows are in green).		✓	<i>[Signature]</i> 26/06/24
11		Remove the car, move back onto the load cells and repeat the step 09. Confirm if both are in the tolerance of ≤ 4%.		✓	<i>[Signature]</i> 20/06/2024
12		1 - Record shims thickness used on rod. 2 - All screws were torqued and have torque marker.	THICKNESS (mm) I 0 II 0 III 0 IV 0	✓	<i>[Signature]</i> 20/06/24
13		Pivot fixation	1- M20 x90 screws with application of torque according to PRA_FT1140.D4 / 05	✓	<i>[Signature]</i> 20/06/24
14		FOR TC CARS F= Height of the center of Automatic coupler F = 885mm (+5/-10mm) (Using levelled rail)	TC CAB #1= _____ mm		<i>[Signature]</i> 14/A
15		FOR TC CARS Height of Eurobalise Antenna = 205mm (+/-10mm) (Using levelled rail)	TC CAB #1= _____ mm		<i>[Signature]</i> 14/A
16		Check pantograph piping air tightness. Test performance according to WI PRA_FT1140.17.	The test was performed and no leak was observed. -Roof piping connection fittings. -Room piping connection fittings(Roof arch and door trimming)	✓	<i>[Signature]</i> 20/06/24
17		Pantograph does not come in contact with the higher height gauge when passing through.	No Contact with Pantograph and Gauge -GO Contact with Pantograph and Gauge - NO GO	✓	<i>[Signature]</i> 20/06/24
18		Car does not come into contact with the gauge.	No Contact with Car and Gauge -GO Contact with Car and Gauge - NO GO	✓	<i>[Signature]</i> 20/06/24

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DRAFT TO MEASUREMENTS DURING LEVELLING (ALL UNITS MUST BE IN mm/bar/kg)

DESCRIPTION	TOLERANCE	END#1											
		LEFT SIDE						RIGHT SIDE					
		6	5	4	3	2	1	1	2	3	4	5	6
AIR SPRING HEIGHT (EMPTY)	N/A	A ¹ ii	/	/	/	/	/	/	/	/	/	/	/
AIR SPRING HEIGHT (FULL)	min 254 max 261	A ¹ iii	/	/	/	261	265	259	255	/	/	/	/
FLOOR COVERING HEIGHT	min 1096 max 1116	E ¹ ii	/	/	/	/	/	/	/	/	/	/	/
AIR SPRING PRESSURE	≤ 0.3 (Ci - Ci)	C ¹ ii	/	/	/	3,09	3,01	2,96	2,83	/	/	/	/
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D ³	/	/	/	/	/	/	/	/	/	/	/
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D ⁴	/	/	/	/	/	/	/	/	/	/	/
PIVOT VERTICAL GAP	min 25 max 32	K ¹ ii	/	/	/	/	/	/	/	/	/	/	/
PIVOT LATERAL STOP GAPS DIFFERENCE	≤ 4 (Ji - Ji)	J ¹ ii	/	/	/	/	/	/	/	/	/	/	/
QTY OF TURNS OF LEVELLING ROD	N/A	X ¹ ii	/	/	/	↓ 1/2	↓ 1/2	↓ 1	↑ 1/2	/	/	/	/
SHIMS OF ANTI-ROLL BAR	N/A	Y ¹ ii	/	/	/	/	/	/	/	/	/	/	/
DESCRIPTION	TOLERANCE	END#2											
		LEFT SIDE						RIGHT SIDE					
		6	5	4	3	2	1	1	2	3	4	5	6
AIR SPRING HEIGHT (EMPTY)	N/A	A ² iii	/	/	/	/	/	/	/	/	/	/	/
AIR SPRING HEIGHT (FULL)	min 254 max 261	A ² iii	/	/	/	259	264	262	261	/	/	/	/
FLOOR COVERING HEIGHT	min 1096 max 1116	E ² iii	/	/	/	/	/	/	/	/	/	/	/
AIR SPRING PRESSURE	≤ 0.3 (Cv - Cv)	C ² iii	/	/	/	2,69	2,80	2,93	3,01	/	/	/	/
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D ⁵	/	/	/	/	/	/	/	/	/	/	/
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D ⁶	/	/	/	/	/	/	/	/	/	/	/
PIVOT VERTICAL GAP	min 25 max 32	K ² iii	/	/	/	/	/	/	/	/	/	/	/
PIVOT LATERAL STOP GAPS DIFFERENCE	≤ 4 (Jv - Jv)	J ² iii	/	/	/	/	/	/	/	/	/	/	/
QTY OF TURNS OF LEVELLING ROD	N/A	X ² iii	/	/	/	↓ 1/4	↓ 1/2	↓ 1	↓ 1/2	/	/	/	/
SHIMS OF ANTI-ROLL BAR	N/A	Y ² iii	/	/	/	/	/	/	/	/	/	/	/

COMPARE EACH TENTATIVE WITH THE TOLERANCE AND IDENTIFY EACH MEASURE AS BELOW

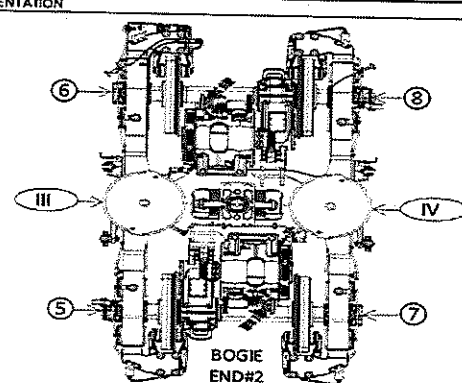
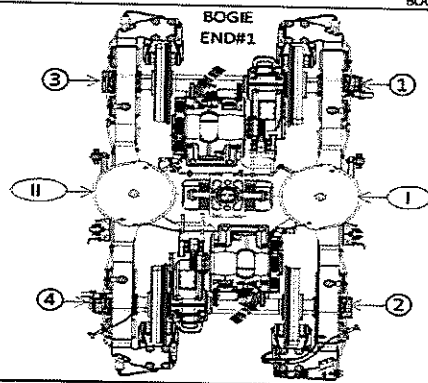
GOOD	LOWER	HIGHER
✓	↓	↑

WEIGHT COMPENSATION

EQUIPMENT	
WEIGHT	
EQUIPMENT	
WEIGHT	

SECONDARY MEASUREMENTS (ONLY Y.C. CAR)

AUTOMATIC COUPLER HEIGHT	
ANTENNA HEIGHT	



Handwritten notes and stamps at the bottom of the page, including a date stamp '2022-05-31' and other illegible markings.



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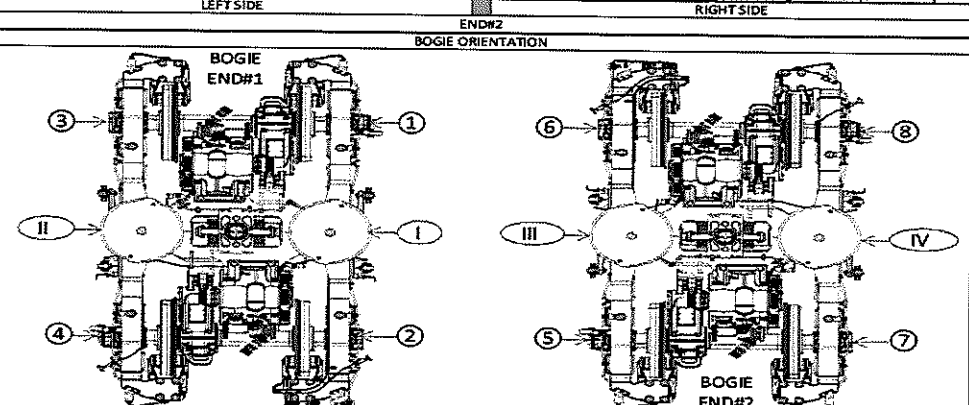
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DRAFT TO MEASUREMENTS DURING LEVELLING (ALL UNITS MUST BE IN mm/bar/kg)

DESCRIPTION	TOLERANCE	END#1												
		LEFT SIDE						RIGHT SIDE						
		6	5	4	3	2	1	1	2	3	4	5	6	
AIR SPRING HEIGHT (EMPTY)	N/A	A ¹ ii	/	/	/	/	/	/	/	/	/	/	/	A ¹ i
AIR SPRING HEIGHT (FULL)	min 254 max 261	A ¹ ii	/	/	/	/	/	/	/	/	/	/	/	A ¹ i
FLOOR COVERING HEIGHT	min 1096 max 1116	E ¹ ii	/	/	/	/	/	/	/	/	/	/	/	E ¹ i
AIR SPRING PRESSURE	≤ 0.3 (C ¹ - C ¹)	C ¹ ii	/	/	/	/	/	/	/	/	/	/	/	C ¹ i
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D ³	/	/	/	/	/	/	/	/	/	/	/	D ¹
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D ⁴	/	/	/	/	/	/	/	/	/	/	/	D ²
PIVOT VERTICAL GAP	min 25 max 32	K ¹ ii	/	/	/	/	/	/	/	/	/	/	/	K ¹ i
PIVOT LATERAL STOP GAPS DIFFERENCE	≤ 4 (J ¹ - J ¹)	J ¹ ii	/	/	/	/	/	/	/	/	/	/	/	J ¹ i
QTY OF TURNS OF LEVELLING ROD	N/A	X ¹ ii	/	/	/	/	/	/	/	/	/	/	/	X ¹ i
SHIMS OF ANTI-ROLL BAR	N/A	Y ¹ ii	/	/	/	/	/	/	/	/	/	/	/	Y ¹ i
DESCRIPTION	TOLERANCE	6	5	4	3	2	1	1	2	3	4	5	6	
AIR SPRING HEIGHT (EMPTY)	N/A	A ¹ iii	/	/	/	/	/	/	/	/	/	/	/	A ¹ iv
AIR SPRING HEIGHT (FULL)	min 254 max 261	A ¹ iii	/	/	/	/	/	/	/	/	/	/	/	A ¹ iv
FLOOR COVERING HEIGHT	min 1096 max 1116	E ¹ iii	/	/	/	/	/	/	/	/	/	/	/	E ¹ iv
AIR SPRING PRESSURE	≤ 0.3 (C ¹ v - C ¹ v)	C ¹ iii	/	/	/	/	/	/	/	/	/	/	/	C ¹ iv
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D ⁵	/	/	/	/	/	/	/	/	/	/	/	D ⁷
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D ⁶	/	/	/	/	/	/	/	/	/	/	/	D ⁸
PIVOT VERTICAL GAP	min 25 max 32	K ¹ iii	/	/	/	/	/	/	/	/	/	/	/	K ¹ iv
PIVOT LATERAL STOP GAPS DIFFERENCE	≤ 4 (J ¹ v - J ¹ v)	J ¹ iii	/	/	/	/	/	/	/	/	/	/	/	J ¹ iv
QTY OF TURNS OF LEVELLING ROD	N/A	X ¹ iii	/	/	/	/	/	/	/	/	/	/	/	X ¹ iv
SHIMS OF ANTI-ROLL BAR	N/A	Y ¹ iii	/	/	/	/	/	/	/	/	/	/	/	Y ¹ iv

COMPARE EACH TENTATIVE WITH THE TOLERANCE AND IDENTIFY EACH MEASURE AS BELOW		
GOOD	LOWER	HIGHER
✓	↓	↑
WEIGHT COMPENSATION		
EQUIPMENT		
WEIGHT		
EQUIPMENT		
WEIGHT		
SECONDARY MEASUREMENTS (ONLY TO CARS)		
AUTOMATIC COUPLER HEIGHT		
ANTENNA HEIGHT		





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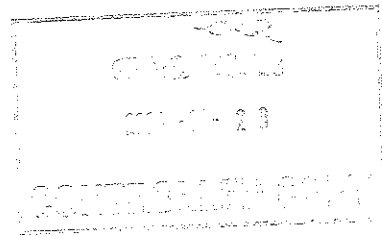
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Table 1 - Reference Values and Measurement Tolerances for the Car Levelling.

ITEM		THEORETICAL VALUES															
		TCL CAR		M3 CAR		M2 CAR		M1 CAR		M3 CAR		M2 CAR		M1 CAR		TCL CAR	
		TBext	TBint	MB1	MB2	MB1	MB2	MB1	MB2	MB1	MB2	MB1	MB2	MB1	MB2	TBext	TBint
Pivot lateral stop gaps difference (mm)	Fig. 4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	
Air Spring height (mm)	Fig. 5	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	255 ⁺⁶ ₋₁	
Air spring pressure at AVO (bar)	Fig. 5	3,76 (Ref.)	2,87 (Ref.)	2,83 (Ref.)	3,02 (Ref.)	2,91 (Ref.)	3,07 (Ref.)	2,85 (Ref.)	2,83 (Ref.)	2,83 (Ref.)	2,83 (Ref.)	2,83 (Ref.)	2,83 (Ref.)	2,83 (Ref.)	2,83 (Ref.)	3,76 (Ref.)	
C ₁ -C _{II} C _{III} -C _{IV}		0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	0,3 Máx.	
Primary Suspension gaps (mm)	Fig. 6	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	35 ⁺¹⁵ ₋₃	
D ₁ D ₃																	
D ₂ D ₄																	
D ₃ D ₂																	
D ₄ D ₁																	
Carbody floor height (mm)	Fig. 7	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	1106 ⁺¹⁰ ₋₁₀	
Booster height (mm)	Fig. 7	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	850 ⁺⁵ ₋₇	
Coupling End height (mm)	Fig. 8 Fig. 9	895 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)	895 (Ref.) 760 (Ref.)	760 (Ref.) 760 (Ref.)		
Pivot Vertical gap (mm)	Fig. 10	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	30 ⁺¹⁵ ₋₅	





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Leveling report from Production (Final measurements after Leveling and Weighting fine)

References for secondary suspension empty
A'n Air spring height empty

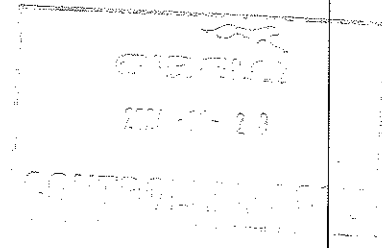
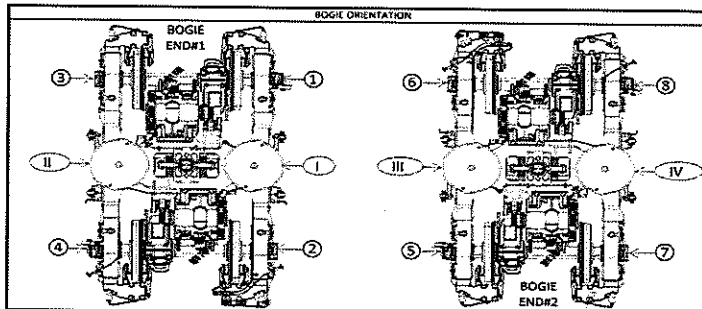
References for secondary suspension full
An Air spring height
Bn Difference between measurement A'n and An
En Floor covering height
Cn Air spring pressure
Dn Primary suspension
Kn Pivot Vertical gap
Jn Pivot Lateral stop gaps difference

Item	Reference [mm]	END#1		END#2	
		Right Side	Left Side	Left Side	Right Side
A'n	N/A	A'i 239	A'ii 242	A'iii 240	A'iv 242
An	254 to 261	Ai 257	Aii 258	Aiii 257	Aiv 259
Bn = An - A'n	N/A	Bi 18	Bii 16	Biii 17	Biv 17
En	1106 ±10 mm	Ei 1113	Eii 1111	Eiii 1098	Eiv 1112
Item	Reference [bar]	END#1		END#2	
Cn	Table 02 (*)	Ci 2,93	Cii 2,95	Ciii 2,78	Civ 2,84
Cn - Cn+1	Difference ≤ 0,3	Ci - Cii 0,02		Ciii - Civ 0,06	
Gauge serial number	N/A	G1B05873	G1B05873	G1B05873	G1B05873
Item	Reference [mm]	END#1		END#2	
Dn	Table 01 (*)	D1 44,36	D2 44,35	D3 44,64	D4 46,31
		D5 45,31	D6 46,07	D7 45,64	D8 44,94
Kn	25 to 45	Ki 34,91	Kii 34,91	Kiii 34,81	Kiv 34,81
Jn	Difference ≤ 4	Ji 25,63	Jii 24,81	Jiii 27,19	Jiv 24,29

(*) Reference, only include values, isn't approval criteria.

Table 01 D Theoretical Values	TC1		M4		M1		M2		M3		TC2	
	Tbex	TBin	Mb1	Mb1	Mb1	Mb2	Mb1	Mb1	Mb1	Mb1	Tbin	Tbex
D=	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅	35 ⁺¹² ₋₅

Table 02 C Theoretical Values	TC1		M4		M1		M2		M3		TC2	
	Tbex	TBin	Mb1	Mb1	Mb1	Mb2	Mb1	Mb1	Mb1	Mb1	Tbin	Tbex
C=	3.76	2.82	2.87	2.83	3.02	2.91	3.07	2.85	2.83	2.87	2.83	3.76



Weighting report from Test and Commissioning (Final measurements after Leveling and Weighting fine)



SELF INSPECTION INDUSTRIAL QUALITY

Rev:09

Date:

5/31/2022

Project: PRASA

SI.FT1140.52

Item	Description of defects	OK	Signature/Date

IL2 - Check List REX

Check List Items

Item	Picture/Drawing	Description/Inspection	Criteria/Remark	OK	Signature/Date
01	N/A	To complete REX	Refer to REX. New defects must be added on the REX	<input checked="" type="checkbox"/>	<i>[Signature]</i> 20/06/24

Self Inspection - Final Result

Is the car good to advance to the next workstation/process? (Approval of Operations Manager/Team Leader and Industrial Quality)			DATE	NAME	SIGNATURE
HOLD POINT	GO	If activities are not complete, the missing activities must not impact the next stage	20/06/24	Operations Manager	<i>[Signature]</i>
		Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party.	20/06/24	Industrial Quality	<i>[Signature]</i>
	NO GO	There are activities pending that impact the activities of the next process Obs: (To describe problems below)		Operations Manager	
		There are non-conformities impact the quality of the product and there is no corrective action defined yet)		Industrial Quality	

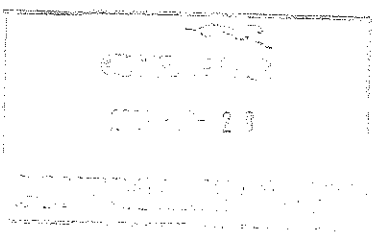
In case of "NO GO", describe blocking problems

In case of "NO GO", the operations manager must define below action plan to ensure "GO":

Item	Description	Action	Responsible	Status

Operations Manager / Team Leader

Quality Manager / Team Leader



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TRAIN SET 231 REF: GIB000003672 JO PRASA WEIGHT BALANCE EN
 PC09 WEIGHING REPORT

M1	Balance across front and rear bogies		Front Bogie [Tons]	Rear Bogie [Tons]	Longitudinal Imbalance [%]	Criteria Longitudinal Imbalance 3.3%	
			18.63	18.02	1.66%	PASS	
	Weight Measured vs Predicted		Weight Measured [Tons]	Weight Predicted [Tons]	Weight Difference [%]	Tolerance [%]	Criteria Min/Max
			36.65	36.87	0.58%	1.37%	PASS

Name	Company	Department	Test Participants	Signature	Date
F. J. S.	GIBELA Rail	EOC		<i>[Signature]</i>	20/06/2024