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2024-04-24

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PRASA PROJECT




# SELF INSPECTION SHEET

## 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.

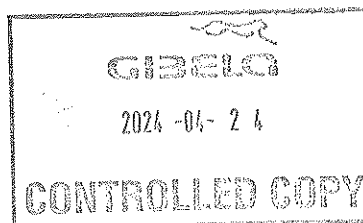
## APPLICATION REFERENCE


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	1	1	X		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	PRA.FT1140.05	YES
<input type="checkbox"/>	DTR3-PROCE-17	LEVELLING, WEIGHTING AND BALANCING TC CAR	FT1140	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


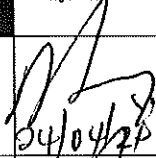


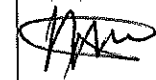

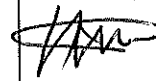

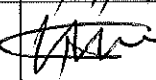

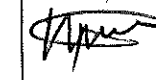

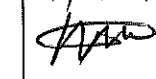

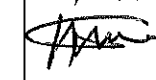
TUE	CAR	OPERATOR NAME	DATE	SELF INSPECTION NUMBER	PAGES
TS219	M3	GOODNESS	24/04/24	SI.FT1140.52	01/08

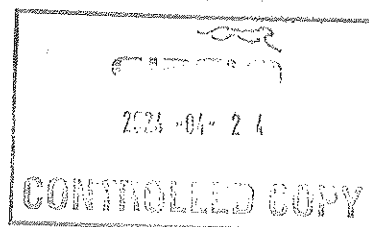
	<h2 style="margin: 0;">SELF INSPECTION INDUSTRIAL QUALITY</h2>		Rev:09	Project: PRASA	<h3 style="margin: 0;">SI.FT1140.52</h3>					
			Date: 5/31/2022							
Car:	ICR:		Work Station FT1140							
 Safety Related										
I - Document and Instrument Control										
I.1 - Documents control										
Document	TC1	M1	M2	M3	M4	TC2	Revision	Remarks	OK	Signature/Date
PRA.FT1140.04										
PRA.FT1140.05				X					✓	✓ <i>[Signature]</i>
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	Signature/Date				
Measuring Tape	GIBM 0276		26/10/23-26/10/24		✓	<div style="font-size: 2em; font-weight: bold;">04/04/24</div> <div style="font-size: 3em; font-weight: bold;">[Signature]</div>				
Vernier Caliper	GIBUR 0056		06/10/23-06/10/24		✓					
Torque Wrench 320NM	A9650027		21/12/23-21/12/24		✓					
Torque Wrench 150NM	D28622009		19/12/23-19/12/24		✓					
Torque Wrench 55NM	D2511023		07/08/23-07/08/24		✓					


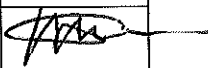
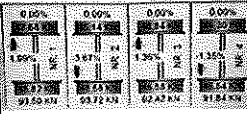
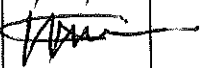

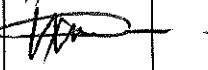
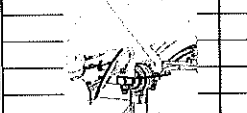


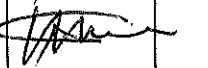

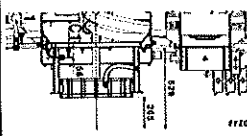
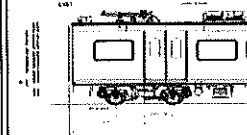
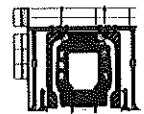
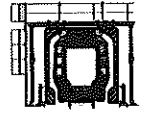



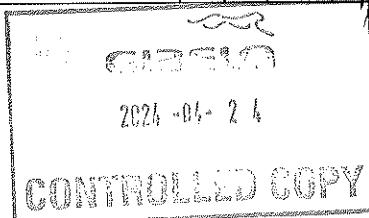
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		Date:		
		5/31/2022		

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		<input checked="" type="checkbox"/>	 24/04/24								
02		Check underframe pipe system Air tightness Test performance according to WIPRA FT1130.15.	The test was performed and no leak was observed Initial pressure (IP): 9.82 bar Final pressure (FP): 9.57 bar FP - IP = 0.25 bar  APPROVAL CRITERIA: After 5 minutes the pressure cannot drops more than 0,2 bar	<input checked="" type="checkbox"/>	 24/04/24								
03		Movement performed at least 50m to shudder the car. And position on the leveled load cell, with wheels on the center.		<input checked="" type="checkbox"/>	 24/04/24								
04		Measurement inspection was done with car on condition AW0 and the rail levelled.  (The load cells system must be levelled and calibrated)	Calibration Validation Date  _ / _ / _	<input checked="" type="checkbox"/>	 24/04/24								
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><thead><tr><th>EQUIPMENT DESCRIPTION</th><th>WEIGHT (kg)</th></tr></thead><tbody><tr><td>Gang Way</td><td>360</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></tbody></table>	EQUIPMENT DESCRIPTION	WEIGHT (kg)	Gang Way	360					<input checked="" type="checkbox"/>	 24/04/24
EQUIPMENT DESCRIPTION	WEIGHT (kg)												
Gang Way	360												
06		The pressure difference between air spring on each bogie when raise the pressure was maintained < 0.3 bar.		<input checked="" type="checkbox"/>	 24/04/24								
07		Measurement recorded with empty suspension and loaded are in conformity with tolerances of the project		<input checked="" type="checkbox"/>	 24/04/24								
08		All leveling measurements are according to the reference.  (Values out of reference must be recorded on "Description of defects")		<input checked="" type="checkbox"/>	 24/04/24								



		<b>SELF INSPECTION INDUSTRIAL QUALITY</b>		Rev:09	Project: PRASA	SI.FT1140.52
				Date: 5/31/2022		
Item	Picture/Sketch	Description	Criteria/Record	✓		Signature/Date
09		Check that the leveling rods are torqued and have torque marker.		✓		 24/04/24
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).		✓		 24/04/24
11		Remove the car, move back onto the load cells and repeat the step 09. Confirm if both are in the tolerance of ≤ 4%.		✓		 24/04/24
12		1 - Record shims thickness used on rail. 2 - All screws were torqued and have torque marker.	THICKNESS (mm) I _____ II _____ III _____ IV _____	✓		 24/04/24
13		Pivot fixation	1- M20 x 90 screws with application of torque according to PRA FT1140.04 / 05	✓		 24/04/24
14		FOR TC CARS F= Height of the center of Automatic coupler F = 895mm (+5/-10mm) (Using leveled rail)	TC CAB #1= _____ mm			M/A
15		FOR TC CARS Height of Eurobalse Antenna = 205mm(+/-10mm) (Using leveled rail)	TC CAB #1= _____ mm			M/A
16		Check pantograph piping air tightness. Test performance according to WIPRA FT1140.17.	The test was performed and no leak was observed. -Roof piping connection fittings. -Roof piping connection fittings(Roof arch and door trimming)			M/A
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	✓		M/A
18		Car does not come into contact with the gauge.	No Contact with Car and Gauge -GO Contact with Car and Gauge - NO GO	✓		 24/04/24





# SELF INSPECTION INDUSTRIAL QUALITY

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

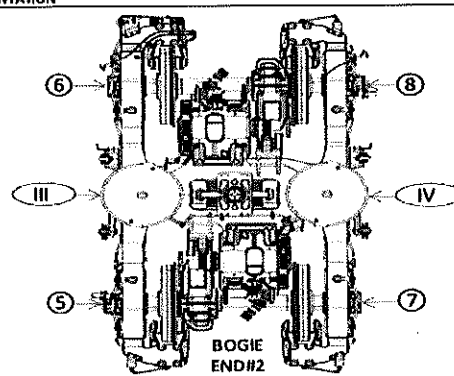
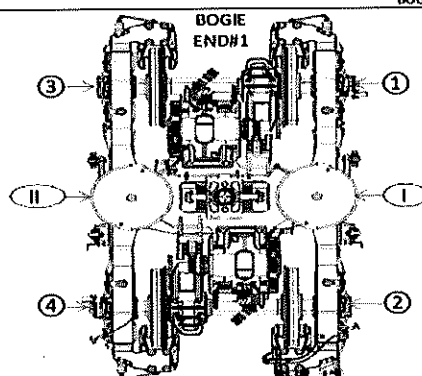
		END#1													
		LEFT SIDE						RIGHT SIDE							
DESCRIPTION	TOLERANCE	6	5	4	3	2	1	1	2	3	4	5	6		
AIR SPRING HEIGHT (EMPTY)	N/A	A'ii												A'i	
AIR SPRING HEIGHT (FULL)	min 254 max 261	Aii				258	258	257	258					Ai	
FLOOR COVERING HEIGHT	min 1096 max 1116	Eii												Ei	
AIR SPRING PRESSURE	± 0.3 (Qi - Qi)	Cii				286	286	266	267					Cl	
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D3												D1	
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D4												D2	
PIVOT VERTICAL GAP	min 25 max 32	Kii												Ki	
PIVOT LATERAL STOP GAPS DIFFERENCE	± 4 (Xi - Xi)	Jii												Ji	
QTY OF TURNS OF LEVELLING ROD	N/A	Xii						1 1/2						Xi	
SHIMS OF ANTI-ROLL BAR	N/A	Yii												Yi	
DESCRIPTION	TOLERANCE	6	5	4	3	2	1	1	2	3	4	5	6		
AIR SPRING HEIGHT (EMPTY)	N/A	A'iii												A'iv	
AIR SPRING HEIGHT (FULL)	min 254 max 261	Aiii				257	255	258	259					Aiv	
FLOOR COVERING HEIGHT	min 1096 max 1116	Eiii												Eiv	
AIR SPRING PRESSURE	± 0.3 (Qv - Qi)	Ciii				285	267	286	286					Civ	
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D5												D7	
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D6												D8	
PIVOT VERTICAL GAP	min 25 max 32	Kiii												Kiv	
PIVOT LATERAL STOP GAPS DIFFERENCE	± 4 (Xv - Xi)	Jiii												Jiv	
QTY OF TURNS OF LEVELLING ROD	N/A	Xiii					1 1/2							Xiv	
SHIMS OF ANTI-ROLL BAR	N/A	Yiii												Yiv	

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

		END#1													
		LEFT SIDE						RIGHT SIDE							
DESCRIPTION	TOLERANCE	6	5	4	3	2	1	1	2	3	4	5	6		
AIR SPRINGS HEIGHT (EMPTY)	N/A	A'II												A'I	
AIR SPRING HEIGHT (FULL)	min 254 max 261	AI												AI	
FLOOR COVERING HEIGHT	min 1096 max 1116	EII												EI	
AIR SPRING PRESSURE	≤ 0.3 (QI - Q)	CII												CI	
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D3												D1	
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D4												D2	
PIVOT VERTICAL GAP	min 25 max 32	KII												KI	
PIVOT LATERAL STOP GAPS DIFFERENCE	≤ 4 (Ji - J)	JII												Ji	
QTY OF TURNS OF LEVELLING ROD	N/A	XII												Xi	
SHIMS OF ANTI-ROLL BAR	N/A	YII												Yi	
DESCRIPTION	TOLERANCE	6	5	4	3	2	1	1	2	3	4	5	6		
AIR SPRING HEIGHT (EMPTY)	N/A	A'III												A'IV	
AIR SPRING HEIGHT (FULL)	min 254 max 261	AIII												AIV	
FLOOR COVERING HEIGHT	min 1096 max 1116	EIII												EIV	
AIR SPRING PRESSURE	≤ 0.3 (QIV - QII)	CIII												CIV	
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D5												D7	
PRIMARY SUSPENSION	SEE TABLE (ONLY REF)	D6												D8	
PIVOT VERTICAL GAP	min 25 max 32	KIII												KIV	
PIVOT LATERAL STOP GAPS DIFFERENCE	≤ 4 (JIV - JII)	JIII												JIV	
QTY OF TURNS OF LEVELLING ROD	N/A	XIII												XIV	
SHIMS OF ANTI-ROLL BAR	N/A	YIII												YIV	

COMPARE EACH TENTATIVE WITH  
THE TOLERANCE AND IDENTIFY  
EACH MEASURE AS BELOWGOOD LOWER HIGHER  
✓ ↓ ↑WEIGHT  
COMPENSATION

EQUIPMENT

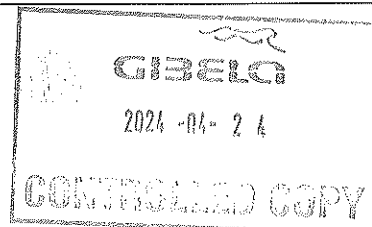
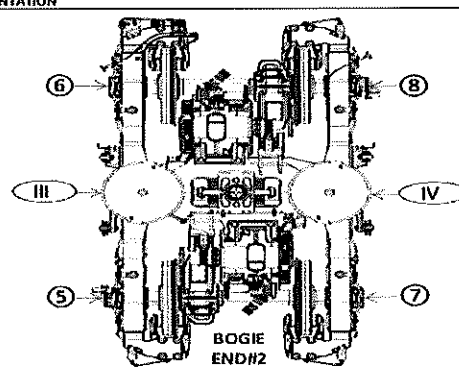
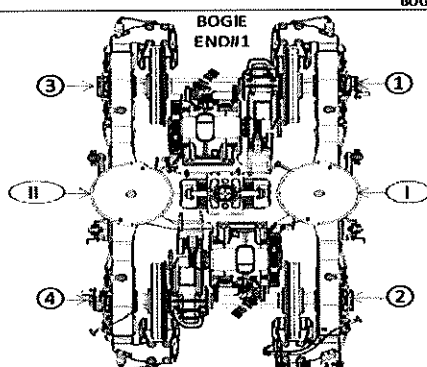
WEIGHT

EQUIPMENT

WEIGHT

SECONDARY MEASUREMENTS  
(ONLY TO CARS)AUTOMATIC COUPLER  
HEIGHT

ANTENNA HEIGHT





# SELF INSPECTION INDUSTRIAL QUALITY

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

ITEM		THEORETICAL VALUES														TCL CAR	
		TCL CAR		M4 CAR		M1 CAR		M2 CAR		M3 CAR		M5 CAR		TCL CAR			
		TBext	TBint	MB1	MB2	MB1	MB2	MB1	MB2	MB1	MB2	MB1	MB2	TBint	TBext		
Pivot lateral stop gap difference [mm]	J1-J1+1 (1a/h)	Fig. 4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	≤4	
	A <sub>0</sub> (1a/h)		255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	255 <sup>+4</sup> <sub>-4</sub>	
Air spring height [mm]	Fig. 5	C <sub>0</sub> (1a/h)	3,76 (Ref.)	2,82 (Ref.)	2,87 (Ref.)	2,83 (Ref.)	3,02 (Ref.)	2,91 (Ref.)	3,07 (Ref.)	2,85 (Ref.)	2,87 (Ref.)	2,83 (Ref.)	2,87 (Ref.)	2,83 (Ref.)	2,83 (Ref.)	3,76 (Ref.)	
		C <sub>1</sub> -C <sub>4</sub> C <sub>5</sub> -C <sub>7</sub>	0,3 Max.	0,3 Max.	0,3 Max.	0,3 Max.	0,3 Max.	0,3 Max.	0,3 Max.	0,3 Max.	0,3 Max.	0,3 Max.	0,3 Max.	0,3 Max.	0,3 Max.		
		D <sub>1</sub> :D <sub>5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	
		D <sub>2</sub> :D <sub>6</sub> D <sub>3</sub> :D <sub>7</sub> D <sub>4</sub> :D <sub>8</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	35 <sup>+2</sup> <sub>-5</sub>	
Primary Suspension gaps [mm]	Fig. 6	E <sub>0</sub> (1a/h)	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	1106 <sup>+10</sup> <sub>-10</sub>	
		N <sub>0</sub> (1a/h)	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	850 <sup>+3</sup> <sub>-7</sub>	
Coupling End height [mm]	Fig. 8 Fig. 9	F <sub>1</sub>	895 (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.)	895 (Ref.)	
		F <sub>2</sub>	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.)	
Pivot Vertical gap [mm]	Fig. 10	K <sub>0</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	30 <sup>+2</sup> <sub>-5</sub>	

GIBELQ

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	<h1>SELF INSPECTION</h1> <h1>INDUSTRIAL QUALITY</h1>	Rev:09	Project: PRASA	SI.FT1140.52
		Date:		
		5/31/2022		

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

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

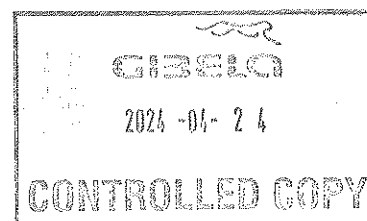
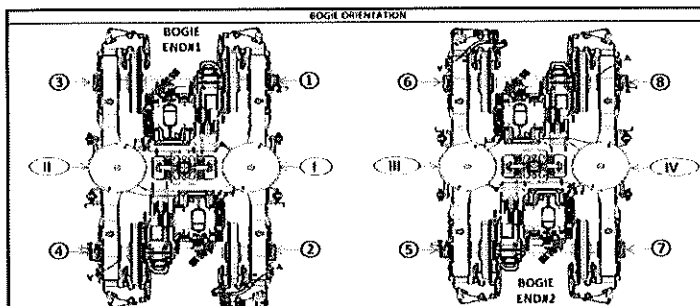
References for secondary suspension full  
An Air spring height  
Bn Difference between measurement A'n and An  
En Floor covering height  
Cn Air spring pressure  
Dn Primary suspension  
Kn Pivot Vertical gap  
Jn Pivot Lateral stop gaps difference

Item	Reference [mm]	END#1		END#2	
		Right Side	Left Side	Left Side	Right Side
A'n	N/A	A'n 241	A'n 242	A'n 242	A'n 240
An	254 to 281	An 259	An 258	An 257	An 257
Bn = An - A'n	N/A	Bn 18	Bn 16	Bn 15	Bn 17
En	1109 ±10 mm	En 1115	En 1114	En 1105	En 1112
Item	Reference [bar]	END#1		END#2	
		Right Side	Left Side	Left Side	Right Side
Cn	Table 02 (*)	Cn 2.75	Cn 2.73	Cn 2.76	Cn 2.75
Cn - Cn+1	Difference ≤ 0,3	Cn - Cn 0,02		Cn - Cn 0,01	
Gauge serial number	N/A	G1805873	G1805873	G1805873	G1805873
Item	Reference [mm]	END#1		END#2	
		Right Side	Left Side	Left Side	Right Side
Dn	Table 01 (*)	D1 45.85	D1 46.27	D1 46.17	D1 46.96
		D2 46.42	D2 45.88	D2 46.58	D2 46.01
Kn	25 to 45	Kn 33.65		Kn 34.34	
Jn	Difference ≤ 4	Jn 24.50	Jn 25.95	Jn 25.36	Jn 24.76

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

Table 01 D Theoretical Values	TC1		M4		M1		M2		M3		TC2	
	Tbox	Tbin	Mb1	Mb1	Mb1	Mb2	Mb2	Mb1	Mb1	Mb1	Tbin	Tbox
D=	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>	35 <sup>+12</sup> <sub>-5</sub>

Table 02 C Theoretical Values	TC1		M4		M1		M2		M3		TC2	
	Tbox	Tbin	Mb1	Mb1	Mb1	Mb2	Mb2	Mb1	Mb1	Mb1	Tbin	Tbox
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

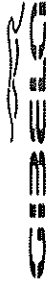


Weighting report from Test and Commissioning (Final measurements after Levelling and Weighting fine)





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TRAIN SET 219	REF: GIB0000001672_J0 PRASA WEIGHT BALANCE EN
PC09 WEIGHING REPORT	

M3	Balance across front and rear bogies	Front Bogie [Tons]	Rear Bogie [Tons]	Longitudinal Imbalance [%]	Criteria Longitudinal Imbalance ≤ 3%
		17.81	17.82	0.03%	PASS
	Weight Measured vs Predicted	Weight Measured [Tons]	Weight Predicted [Tons]	Weight Difference [%]	Tolerance [%]
		35.63	35.90	0.75%	1.36%
					Criteria MinDiffMax
					PASS

Test Participants			
Name	Company	Department	Date
Davhana	GIBELA	EOC	26/04/2024
M4			