

61291101685 BLCA Module No - TW HT-10/3

4. 痛苦的根源在于自己——痛苦——痛苦

All funds must be paid out by 12/31/2018. Any funds not paid out by 12/31/2018 will be forfeited.

Module No - TW HT-10/3

6-6

~~Boys~~  
1142

PROVIDED IN  
61291101760-BLCA

MODULE NO  
TWHT-10/5

DATE  
11-09-20

WAGON CARE CENTRE TUGHLAQABAD  
PRE-ROH Inspection CHECK LIST OF LCCF 20C BOGIE

BOGIE NO 9/20-152

Bolster Make & Built year TITA-07/10

Wagon no./M. no. from bogie removed 61291101746-BLCA

Ver 02  
Date 10-9-2020

module No - TWHT-10/5

FRONT/REAR.....

Note:- 1. All Dimensions are in M.M. 2. All lines must be entered

3. REF:- L.S.D. is fitted in left side & S/Frame No. 1 will be left side

9/20-152

		S. No. of S/Frame	S/Frame Make		Built (Month/Year)						Remarks
S.N.	Description of Checks	New size	Condemn size	S/Frame NO.-1		S/Frame NO.-2		Changed=C	Repaired=R		
		left	Right	left	Right	left	Right				
1	Pedestal Jaw	278	286	282	281	277.5	280				
2	Pedestal side outer	105	101	105	105	105	105				
3	Pedestal side inner	105	101	105	105	105	105				
4	Pedestal crown side	152	144	148	157	147	146				
5	Pedestal crown roof	318	323	318	318	318	318				
6	column side	216	206	214	214	215	214				
7	side frame friction liner	10	6	9	8	8	8				
8	pocket liner	5	2	9	4	4	2				
9	vertical wear of Wedge block	0	7	1	1	1	1				
10	slope wear of Wedge block	0	3	0.5	0.5	0.5	0.5				
11	Adopter make			AAR	AAR	AAR	AAR				
12	Adopter side	268	262	262	262	265	262				
13	Adopter crown lug	156	164	160	164	159	159				
14	Centre pivot bottom liner . vertical	38	40	Pre. 39	Final. 39						
15	Centre pivot Ring liner wear	365	369	Pre. 367	Final. 367						
16	Bolster spg. Colour code	A,B,C,D,E,F		A		A					
17	Side bearer spg. Height	123	119	122	122	122	122				

Nominal clearances PRE & Final OF BOGIE

1	Longitudinal clearance in between Adopter & S/Frame	10	15	PRE:-	19	18	13	18	Colour code of bolster springs:-	
				FINAL:-	12	11	13	12		
2	Lateral clearance in between Adopter & S/Frame	25	28	PRE:-	25	25	25	25	A= Green, B=Yellow, C=Gray, D=White, E=sky blue	
				FINAL:-	25	25	25	25		
3	Longitudinal clearance in between bolster & S/Frame	4	7	PRE:-	5	5	4	4	C/code of provided paired bolster springs	
				FINAL:-	5	5	4	4		
4	Lateral clearance in between bolster & S/Frame	22	28	PRE:-	24	22	26	22	(A)	
				FINAL:-	24	22	26	22		
5	Side bearer clearance	0.5	2	PRE:-	3	-	4	-		
				FINAL:-	1	-	1	-		
6	CCSB Height under Tare	129.5	132.5	PRE:-	-	-	-	-		
				FINAL:-	-	-	-	-		
Bogie Trammeling				3018±4.5	OK	1	OK			

Material consumption:-

1	W/Jaw adopter	3	ch	14	Side bearer Nut&Bolt	-	-	27	Push rod	-
2	Bk. Beam wear plate	1	cm	15	Side bearer seat	-	-	28	BK. Beam bush	-
3	Wear plate	1	cm	16	Retaining Bolt	-	-	29	Slide block	-
4	L/M Pad	4	cm	17	Jaw liner 3 mm	-	-	30	Pin size 28*100 mm	-
5	Bk/block	4	cm	18	Jaw liner 4 mm	-	-	31	Pin size 40*118 mm	2
6	10*100 mm S/Pin	4	cm	19	C. Pivot Ring	-	-	32	bulb cotter	2
7	Bk/block key	-	-	20	C. Pivot bottom liner	-	-	33	S/F Key & N/BOLT	4/4
8	Bk. beam	-	-	21	Bolster spg. Outer	-	-	34		
9	S/Bearer spg.	-	-	22	Bolster spg. Inner	-	-	35		
10	Bolster liner	-	-	23	Bolster spg. Snubber	-	-	36		
11	Friction liner	-	-	24	Push rod safety	-	-	37		
12	W/Block	-	-	25	y-Type F/ Lever	-	-	38		
13	CCSB ASSY	-	-	26	Eqilizing lever	-	-	39		

Sign of JE/SSE



Sign of Sr. Tech

62291102641-BLCB

TWHT 10/7

11-09-26

## WAGON CARE CENTRE TUGHLAKABAD

## PRE-ROH Inspection CHECK LIST OF LCCF-20C BOGIE

Ver 09

Bogie No. 9/20-154

Bolster Make &amp; Built year TITA - 08-10

Date 16-09-2020

Front/Rear

Wagon no./M. no. from bogie removed

62291102610 - BLCB

Module No. TWHT 10/8

Note: 1. All Dimensions are in M.M.

2. All lines must be entered

3. REF: U.S.D. is fitted in left side &amp; S/Frame No. 1 will be left side

S.N	Description of Checks	New size	Condemn size	S/Frame NO. 1		S/Frame NO. 2		Changed-It	Repaired-It	Remarks
				left	Right	left	Right			
1	pedestal jaw	278	286	281	278	280	286			①
2	pedestal side outer	105	101	105	105	105	104			
3	pedestal side inner	105	101	105	105	103	103			
4	pedestal crown side	152	144	148	158	158	148			
5	pedestal crown roof	318	323	318	318	318	318			
6	column side	216	206	214	215	214	216			
7	side frame friction liner	10	6	9	8	9	9			
8	pocket liner	5	2	4	2	4	2			②
9	vertical wear of wedge block	0	7	1	1	1	1			
10	slope wear of wedge block	0	3	0.5	0.5	0.5	0.5			
11	Adopter make			AAR	AAR	AAR	AAR			
12	Adopter side	268	262	262	262	262	262			④
13	Adopter crown lug	156	164	157	156	157	158			
14	Centre pivot bottom liner vertical	38	40	39	39					
15	Centre pivot Ring liner wear	365	369	367	367					
16	Bolster spg. Colour code	A,B,C,D,E,F		A		A				
17	Side bearer spg. Height	123	119	121	121	121	121			

## Nominal clearances PRE &amp; Final OF BOGIE

1	Longitudinal clearance in between Adopter & S/Frame	10	15	PRE:-	19	16	18	18	Colour code of bolster spring:
				FINAL:-	12	10	13	12	
2	Lateral clearance in between Adopter & S/Frame	25	28	PRE:-	25	25	25	26	A= Green B=Yellow, C= Gray, D= White E= Red, F= blue
				FINAL:-	25	25	25	26	
3	Longitudinal clearance in between bolster & S/Frame	4	7	PRE:-	4	4	5	5	C/code of provided paired bolster spring
				FINAL:-	4	4	5	5	
4	Lateral clearance in between bolster & S/Frame	22	28	PRE:-	23	23	24	26	(A)
				FINAL:-	23	23	24	26	
5	Side bearer clearance	0.5	2	PRE:-	3	—	3	—	
				FINAL:-	1	—	1	—	
4	CCSB Height under Tare	129.5	132.5	PRE:-	—	—	—	—	
				FINAL:-	—	—	—	—	
	Bogie Trammeling		3018±4.5	OK	—	OK	—		

## Material consumption:-

1	W/Jaw adopter	4	cm	14	Side bearer Nut & Bolt	—	—	27	Push rod
2	Bk. Beam wear plate	—	—	15	Side bearer seat	—	—	28	Bk. Beam bush
3	Wear plate	2	cm	16	Retaining Bolt	—	—	29	Slide block
4	E/M Pad	4	cm	17	Jaw liner 3 mm	1	R	30	Pin size 28*100 mm
5	Bk/block	4	cm	18	Jaw liner 4 mm	—	—	31	Pin size 40*118 mm
6	10*100 mm S/Pin	4	cm	19	C. Pivot Ring	—	—	32	bulb cotter
7	Bk/block key	—	—	20	C. Pivot bottom liner	—	—	33	S/I Key & N/ROUT
8	Bk. beam	—	—	21	Bolster spg. Outer	—	—	34	
9	S/Bearer spg.	—	—	22	Bolster spg. Inner	—	—	35	
10	Bolster liner	—	—	23	Bolster spg. Snubber	—	—	36	
11	Friction liner	—	—	24	Push rod safety	—	—	37	
12	W/Block	—	—	25	y Type F/ Lever	—	—	38	
13	CCSB ASSY	—	—	26	Eqilizing lever	—	—	39	

Sign of JE/SSE

Sign of Tech

PROVIDED IN  
62291102641-BLCB

MODULE No  
TWHT-10/7

DATE  
11-09-20

WAGON CARE CENTRE TUGHLAKABAD

PRE-ROH Inspection CHECK LIST OF LCCF-20C BOGIE

Ver-02

BOGIE NO 920-157

Bolster Make & Built year Texma-12-07

Date 10-9-20

Front/REAR

Wagon no /M. no. from bogie removed

62291102597-BLCB

module No - TWHT-10/5

Note 1. All Dimensions are in M.M.

2. All lines must be entered 3. REF:- L.S.D. is fitted in left side & S/Frame No. 1 will be left side

S.N.	Description of Checks	New size	Condemn size	S/Frame NO.-1		S/Frame NO.-2		Changed=C	Repaired=R	Remarks
				left	Right	left	Right			
1	Pedestal Jaw	278	286	277.5	278	277.5	277.5			
2	Pedestal side outer	105	101	105	105	103	105			
3	Pedestal side inner	105	101	105	105	104	105			
4	Pedestal crown side	152	144	152	152	150	151			
5	Pedestal crown roof	318	323	318	318	318	318			
6	column side	216	206	214	216	214	216			
7	side frame friction liner	10	6	9	9	8	8			
8	pocket liner	5	2	2	1	2	1			④
9	vertical wear of Wedge block	0	7	1	1	1	1			
10	slope wear of Wedge block	0	3	0.5	0.5	0.5	0.5			
11	Adopter make			AAR	AAR	AAR	AAR			
12	Adopter side	268	262	262	261	261	261			
13	Adopter crown lug	156	164	157	159	156	157			④
14	Centre pivot bottom liner vertical	38	40	Pre 39	Final 39					
15	Centre pivot Ring liner wear	365	369	Pre 366	Final 366					
16	Bolster spg. Colour code	A,B,C,D,E,F		A		A				
17	Side bearer spg. Height	123	119	157	157	157	157			

Nominal clearances PRE & Final OF BOGIE

1	Longitudinal clearance in between Adopter & S/Frame	10	15	PRE:-	16	17	16	16	Colour code of bolster spring	
				FINAL:-	13	10	10	10		
2	Lateral clearance in between Adopter & S/Frame	25	28	PRE:-	25	25	27	25		
				FINAL:-	25	25	27	25		
3	Longitudinal clearance in between bolster & S/Frame	4	7	PRE:-	5	4	5	4		
				FINAL:-	5	4	5	4		
4	Lateral clearance in between bolster & S/Frame	22	28	PRE:-	23	24	26	22		
				FINAL:-	23	24	26	22		
5	Side bearer clearance	0.5	2	PRE:-	3	-	2	-	C/code of provided paired bearing spring	
				FINAL:-	1	-	2	-		
6	CCSB Height under Tare	129.5	132.5	PRE:-	-	-	-	-	(A)	
				FINAL:-	-	-	-	-		
	Bogie Trammeling			3018±4.5	OK	/	OK			

Material consumption:-

1	W/Jaw adopter	4	C4	14	Side bearer Nut&Bolt	-	-	27	Push rod	-
2	Bk. Beam wear plate	7	C5	15	Side bearer seat	-	-	28	Bk. beam bush	-
3	Wear plate	4	C5	16	Retaining Bolt	-	-	29	Slide block	-
4	I/M Pad	4	C5	17	Jaw liner 3 mm	-	-	30	Pin size 28*30 mm	-
5	Br/block	4	C5	18	Jaw liner 4 mm	-	-	31	Pin size 41*28 mm	2
6	10*100 mm S/Pin	4	C5	19	C. Pivot Ring	-	-	32	BUCKLE	2
7	Br/block key	-	-	20	C. Pivot bottom liner	-	-	33	3/4 Key 8x16x1.7	2
8	Bk. bearing	-	-	21	Bolster spg. Outer	-	-	34		2
9	S/Bearer spg	-	-	22	Bolster spg. Inner	-	-	35		2
10	Bolster liner	-	-	23	Bolster spg. Snubber	-	-	36		2
11	Ericson liner	-	-	24	Push rod safety	-	-	37		2
12	W/Block	-	-	25	y Type I/ lever	-	-	38		2
13	CCSB ASSY	-	-	26	Eqilizing lever	-	-	39		2

Sign of R/SSE

Sign of Inspector

PROVIDED IN  
62291102634-R1C8

MODULE NO  
TIVHT-10/7

DATE  
11-09-20

WAGON CARE CENTRE TIRUCHIRAPPALAM

PRE-TRAIL INSPECTION CHECK LIST OF LAST 100 BOGIES

BOGIE NO. 2-156

TITM-07 10

Ver-02

Date 10-09-2020

RAILCAR MAKE & BUILD NO.

Wagon No. 62291102634-R1C8

Module No. - TIVHT-10/5

Note: 1. All dimensions are in MM. 2. All measurements are in mm. 3. SET 1 & SET 2 are taken on left side & right side. Note 4. Check the set of scale.

S/N. NO. S/N. NO. S/Frame NO. 1 S/Frame NO. 2

BORN (MONTH YEAR)

Side frame No. 1 9454 TITA

07 10

Side frame No. 2 9536 TITA

07 10

S.N.	Description of Checks	New size	Condemn size	S/Frame No. 1	S/Frame No. 2	Changed-to	Repaired-R	Remarks
1	pedestal jaw	278	286	277.5	281	279	277.5	①
2	pedestal side cover	105	101	105	105	105	105	
3	pedestal side cover	105	101	105	105	105	105	
4	pedestal crew shade	152	144	149	151	149	151	
5	pedestal crown cover	318	323	318	318	318	318	
6	cover side	216	206	214	216	216	216	
7	Side frame friction liner	10	8	9	8	9	8	
8	pocket liner	5	2	2	2	2	4	③
9	vertical wear of Wedge block	0	7	1	1	1	1	
10	Slope wear of Wedge block	0	3	0.5	0.5	0.5	0.5	
11	Adopter make			AAR	AAR	AAR	AAR	
12	Adopter side	268	262	262	265	262	262	③
13	Adopter crown big	156	164	158	157	156	157	
14	Centre pivot bottom liner vertical	38	40	Pre 39	Final 39			
15	Centre pivot Ring liner wear	365	369	Pre 367	Final 367			
16	Bolster spg. Colour code	A B C D E		A	A			
17	Side bearer spg. Height	123	119	121	121	121	121	

Nominal clearances PRE & Final Of BOGIE

	Longitudinal clearance in between Adopter & S/Frame	PRE	16	16	17	16	Colour code of bolster settings
1	10 15	FINAL	10	13	12	13	
		PRE	25	25	25	25	
		FINAL	25	25	25	25	
		PRE	5	5	4	4	
		FINAL	5	5	4	4	
2	25 28	PRE	23	23	24	26	
		FINAL	23	23	24	26	
3	Side bearer clearance	0.5 2	PRE	2	—	2	C/Code of pre-decared side bearer settings
		FINAL	2	—	2	—	
4	CCSB Height under tare	129.5 132.5	PRE	—	—	—	
		FINAL	—	—	—	—	
	Bogie Trammeling	30184.5	OK	—	OK	—	(A)

Material consumption:-

1	W/Jaw adopter	3	Ch	14	Side bearer Nut&Bolt	—	—	27	Push rod
2	BK Beam wear plate	1	Ch	15	Side bearer seat	—	—	28	BK Beam bush
3	Wear plate	3	Ch	16	Retaining Bolt	—	—	29	Slide block
4	L/M Pad	3	Ch	17	Jaw liner 3 mm	1	R	30	Pin size 28*100 mm
5	Bk/block	4	Ch	18	Jaw liner 4 mm	—	—	31	Pin size 40*118 mm
6	10*100 mm S/Pin	4	Ch	19	C. Pivot Ring	—	—	32	Bolt cutter
7	Bk/block key	—	Ch	20	C. Pivot bottom liner	—	—	33	S/I Key & N. Bolt
8	Bk beam	1	Ch	21	Bolster spg. Outer	—	—	34	—
9	S/Bearer spg.	1	—	22	Bolster spg. Inner	—	—	35	—
10	Adstler liner	—	—	23	Bolster spg. Snubber	—	—	36	—
11	Friction liner	—	—	24	Push rod safety	—	—	37	—
12	W/Block	—	—	25	Y-Type L/lever	—	—	38	—
13	CCSB ASSY	—	—	26	Eqilizing lever	—	—	39	—

Sign of J/S/ST

Sign of S. Tech

PROVIDED IN  
62291102634-BLCA

MODULE NO  
TWHT-10/7

DATE  
11-09-20

WAGON CARE CENTRE TUGHLAKABAD

PRE-ROH Inspection CHECK LIST OF LCCF-20C BOGIE

Ver-02

BOGIE NO. 9/20-159

Bolster Make & Built year TITA -07-10

Date 09-09-2020

FRONT/REAR

Wagon no./M. no. from bogie removed 61291101739-BLCA

Module No. TWHT-10/5

Note: 1. All Dimensions are in M.M.

2. All lines must be entered

3. REF:- L.S.D. is fitted in left side & S/Frame No. 1 will be left side

S.N.	Description of Checks	New size	Condemn size	S/Frame NO.-1		S/Frame NO.-2		Changed=C	Repaired=R	Remarks
				left	Right	left	Right			
1	Pedestal Jaw	278	286	277.5	277.5	277.5	281			①
2	Pedestal side outer	105	101	105	105	104	105			
3	Pedestal side inner	105	101	105	104	105	105			
4	Pedestal crown side	152	144	152	150	150	151			
5	Pedestal crown roof	318	323	318	318	318	318			
6	column side	216	206	214	216	214	214			
7	side frame friction liner	10	6	9	8	8	9			
8	pocket liner	5	2	4	4	4	4			
9	vertical wear of Wedge block	0	7	1	1	1	1			
10	slope wear of Wedge block	0	3	0.5	0.5	0.5	0.5			
11	Adopter make			AAR	AAR	AAR	AAR			
12	Adopter side	268	262	267	267	266	267			
13	Adopter crown lug	156	164	157	158	157	156			
14	Centre pivot bottom liner vertical	38	40	Pre. 39	Final. 39					
15	Centre pivot Ring liner wear	365	369	Pre. 367	Final. 367					
16	Bolster spg. Colour code	A,B,C,D,E,F		A		A				
17	Side bearer spg. Height	123	119	122	122	122	122			

Nominal clearances PRE & Final OF BOGIE

1	Longitudinal clearance in between Adopter & S/Frame	10	15	PRE:-	10	10	11	14	Colour code of bolster springs:
				FINAL:-	10	10	11	10	
	Lateral clearance in between Adopter & S/Frame	25	28	PRE:-	25	25	26	25	A= Green, B=Yellow, C=Gray, D= White, E=Sky blue
				FINAL:-	25	25	26	25	
	Longitudinal clearance in between bolster & S/Frame	4	7	PRE:-	5	4	4	5	C/code of provided paired bolster spring
				FINAL:-	5	4	4	5	
	Lateral clearance in between bolster & S/Frame	22	28	PRE:-	23	24	25	25	(A)
				FINAL:-	23	24	25	25	
3	Side bearer clearance	0.5	2	PRE:-	3	—	3	—	
				FINAL:-	1	—	1	—	
4	CCSB Height under Tare	129.5	132.5	PRE:-	—	—	—	—	
				FINAL:-	—	—	—	—	
5	Bogie Trammeling			3018±4.5	OK	1	OK		

Material consumption:-

1	W/Jaw adopter	—	—	14	Side bearer Nut&Bolt	—	—	27	Push rod	—
2	Bk Beam wear plate	—	—	15	Side bearer seat	—	—	28	BK Beam bush	—
3	Wear plate	—	—	16	Retaining Bolt	—	—	29	Slide block	—
4	E/M Pad	Y	Ch	17	Jaw liner 3 mm	1	R	30	Pin size 28*100 mm	—
5	Bk/block	Y	Ch	18	Jaw liner 4 mm	—	—	31	Pin size 40*118 mm	2
6	10*100 mm S/Pin	Y	Ch	19	C. Pivot Ring	—	—	32	Bulb cotter	2
7	Bolt/block key	—	—	20	C. Pivot bottom liner	—	—	33	S/F Key &N/BOLT	2
8	Bk. bolt	—	—	21	Bolster spg. Outer	—	—	34		4/4
9	2/16 mm S/Pin	—	—	22	Bolster spg. Inner	—	—	35		Ch
10	Bolster liner	—	—	23	Bolster spg. Snubber	—	—	36		Ch
11	Friction liner	—	—	24	Push rod safety	—	—	37		Ch
12	W/Block	—	—	25	Y-Type F/ Lever	—	—	38		Ch
13	CCSB ASSY	—	—	26	Equalizing lever	—	—	39		Ch

Sign of JE/SE

Sign of S. Tech

PROVIDED IN  
62291102627-BLCA

MODULE NO  
TW HT-10/7

DATE  
11-09-2020

WAGON CARE CENTRE TUGHLAKABAD

PRE-ROH Inspection CHECK LIST OF LCCF-20C BOGIE

Ver. 02

BOGIE NO. 920-132

Bolster Make & Built year TITA-07-10

Date 08-09-2020

FRONT/REAR.....

Wagon no./M. no. from bogie removed. 62291101685-BLCA

module no. TW-HT-10/3

Note: 1. All Dimensions are in M.M.

2. All lines must be entered

3. REF: L.S.D. is fitted in left side & S/Frame No. 1 will be left side

S.N.	Description of Checks	New size	Condemn size	S/Frame NO.-1		S/Frame NO.-2		Changed=C	Repaired=R	Remarks
				left	Right	left	Right			
1	Pedestal Jaw	278	286	282	282	282	284			(4)
2	Pedestal side outer	105	101	105	105	105	105			
3	Pedestal side inner	105	101	102	104	105	105			
4	Pedestal crown side	152	144	150	149	149	152			
5	Pedestal crown roof	318	323	318	318	318	318			
6	column side	216	206	214	216	216	216			
7	side frame friction liner	10	6	8	8	9	9			
8	pocket liner	5	2	2	4	4	2			(2)
9	vertical wear of Wedge block	0	7	1	1	1	1			
10	slope wear of Wedge block	0	3	0.5	0.5	0.5	0.5			
11	Adopter make			EA	EA	EA	EA			
12	Adopter side	268	262	263	263	261	262			
13	Adopter crown lug	156	164	159	159	157	157			(4)
14	Centre pivot bottom liner vertical	38	40	39	39					
15	Centre pivot Ring liner wear	365	369	367	367					
16	Bolster spg. Colour code	A,B,C,D,E,F		A		A				
17	Side bearer spg. height	123	119	121	121	121	121			

Nominal clearances PRE & Final OF BOGIE

1	Longitudinal clearance in between Adopter & S/Frame	10	15	PRE:-	19	19	21	22	Colour code of bolster spring:-
				FINAL:-	12	13	10	13	
2	Lateral clearance in between Adopter & S/Frame	25	28	PRE:-	25	25	25	25	A= Green, B= Yellow, C= Gray, D= White, E= Sky blue
				FINAL:-	25	25	25	25	
3	Longitudinal clearance in between bolster & S/Frame	4	7	PRE:-	4	4	4	5	C/code of provided paired bolster spring:-
				FINAL:-	4	4	4	5	
4	Lateral clearance in between bolster & S/Frame	22	28	PRE:-	25	26	24	22	(A)
				FINAL:-	25	26	24	22	
5	Side bearer clearance	0.5	2	PRE:-	2	-	2	-	C/code of provided paired bolster spring:-
				FINAL:-	2	-	2	-	
6	CCSB Height under Tare	129.5	132.5	PRE:-	-	-	-	-	(A)
				FINAL:-	-	-	-	-	
5. Bogie Trammeling				3018±4.5	OK	/	OK		

Material consumption:-

1	W/Jaw adopter	4	ch	14	Side bearer Nut & Bolt	-	-	27	Push rod
2	Bk. Beam wear plate	-	-	15	Side bearer seat	-	-	28	BK. Beam bush
3	Wear plate	2	ch	16	Retaining Bolt	-	-	29	Slide block
4	E/M Pad	4	ch	17	Jaw liner 3 mm	4	R	30	Pin size 28*100 mm
5	Bk/block	4	ch	18	Jaw liner 4 mm	-	-	31	Pin size 40*118 mm
6	10*100 mm S/Pin	4	ch	19	C. Pivot Ring	-	-	32	Bulb cotter
7	Bk/block key	-	-	20	C. Pivot bottom liner	-	-	33	S/F Key & N/BOLT
8	Bk. beam	-	-	21	Bolster spg. Outer	-	-	34	
9	S/Bearer spg.	-	-	22	Bolster spg. Inner	-	-	35	
10	Bolster liner	-	-	23	Bolster spg. Snubber	-	-	36	
11	Friction liner	-	-	24	Push rod safety	-	-	37	
12	W/Block	-	-	25	Y-Type F/ Lever	-	-	38	
13	CCSB ASSY	-	-	26	Equalizing lever	-	-	39	

  
Sign of JE/SSE

  
Sign of JE/SSE

PROVIDED IN  
62291102627-BLCB

MODULE NO  
TW.HF-10/7

DATE  
11-09-20

WAGON CARE CENTRE TUGHLAKABAD

PRE-ROH Inspection CHECK LIST OF LCCF-20C BOGIE

Ver-02

BOGIE NO	9120-98	Bolster Make & Built year	TITA-08/10	Date	7-9-2020
FRONT/REAR		Wagon no./M. no. from bogie removed	62291102696-BLCB	Module no.	Module no- TW.HF-10/5

Note: 1. All Dimensions are in M.M. 2. All lines must be entered 3. REF:- L.S.D. is fitted in left side & S/Frame No.-1 will be left side

S.N.	Description of Checks	New size	Condemn size	S/Frame NO.-1		S/Frame NO.-2		Changed=C	Repaired=R	Remarks
				left	Right	left	Right			
1	Pedestal Jaw	278	286	282	280	280	282			(4)
2	Pedestal side outer	105	101	105	105	105	103			
3	Pedestal side inner	105	101	105	102	105	103			
4	Pedestal crown side	152	144	150	150	152	149			
5	Pedestal crown roof	318	323	318	318	318	318			
6	column side	216	206	214	216	214	216			
7	side frame friction liner	10	6	9	8	8	9			(3)
8	pocket liner	5	2	2	2	4	2			
9	vertical wear of Wedge block	0	7	1	1	2	1			
10	slope wear of Wedge block	0	3	0.5	0.5	0.5	0.5			
11	Adopter make			EA	EA	EA	EA			
12	Adopter side	268	262	265	262	268	263			(2)
13	Adopter crown lug	156	164	157	157	158	158			
14	Centre pivot bottom liner vertical	38	40	Pre. 39	Final. 39					
15	Centre pivot Ring liner wear	365	369	Pre. 366	Final. 366					
16	Bolster spg. Colour code	A,B,C,D,E,F		A						
17	Side bearer spg. Height	123	119	122	122	122	122			

Nominal clearances PRE & Final OF BOGIE

	Nominal clearances	PRE:-	Colour code of bolster springs					
			17	18	12	19		
1	Longitudinal clearance in between Adopter & S/Frame	10	15	FINAL:-	12	11	10	13
	Lateral clearance in between Adopter & S/Frame	25	28	PRE:-	25	25	25	27
	Longitudinal clearance in between bolster & S/Frame	4	7	FINAL:-	5	5	4	4
2	Lateral clearance in between bolster & S/Frame	22	28	PRE:-	24	24	26	27
3	Side bearer clearance	0.5	2	FINAL:-	2	—	2	—
4	CCSB Height under Tare	129.5	132.5	PRE:-	—	—	—	—
5	Bogie Trammeling			3018±4.5	OK	1	OK	

A= Green, B=Yellow, C=Gray D=White, E=Blue

C/Code of provided paired bolster springs

(A)

Material consumption:-

1	W/Jaw adopter	2	ch	14	Side bearer Nut&Bolt	—	—	27	Push rod	—
2	Bk. Beam wear plate	—	—	15	Side bearer seat	—	—	28	BK. Beam bush	—
3	Wear plate	3	ch	16	Retaining Bolt	—	—	29	Slide block	—
4	F/M Pad	4	ch	17	Jaw liner 3 mm	4	8	30	Pin size 28*100 mm	—
5	Bk/block	4	ch	18	Jaw liner 4 mm	—	—	31	Pin size 40*118 mm	2
6	10*100 mm S/Pin	4	ch	19	C. Pivot Ring	—	—	32	Bulb cotter	2
7	Bk/block key	—	—	20	C. Pivot bottom liner	—	—	33	S/F Key & N/BOLT	4
8	Bk. beam	—	—	21	Bolster spg. Outer	—	—	34		—
9	S/Beam spg.	—	—	22	Bolster spg. Inner	—	—	35		—
10	Bolster liner	—	—	23	Bolster spg. Snubber	—	—	36		—
11	Friction liner	—	—	24	Push rod safety	—	—	37		—
12	W/Block	—	—	25	y-Type F/ Lever	—	—	38		—
13	CCSB ASSY	—	—	26	Equalizing lever	—	—	39		—

PROVIDED IN

61291101753-BLCA

MODULE NO

TWHT-10/7

DATE

11-09-20

## WAGON CARE CENTRE TUGHLAKABAD

## PRE-ROH Inspection CHECK LIST OF LCCF-20C BOGIE

Ver-02

BOGIE NO	961291101753-158	Bolster Make & Built year.....	TITA 08-10	Date	10-09-2020
FRONT/REAR.....		Wagon no./M. no. from bogie removed.....	62291102597-BLCA	module No	-TWHT-10/5

Note: 1. All Dimensions are in M.M. 2. All lines must be entered 3. REF:- L.S.D. is fitted in left side &amp; S/Frame No.-1 will be left side

S.N.	Description of Checks	New size	Condemn size	S/Frame NO.1		S/Frame NO.2		Changed=C	Repaired=R	Remarks
				left	Right	left	Right			
1	Pedestal Jaw	278	286	281	281	280	281		④	
2	Pedestal side outer	105	101	105	105	105	105			
3	Pedestal side inner	105	101	105	105	105	105			
4	Pedestal crown side	152	144	148	147	148	147			
5	Pedestal crown roof	318	323	318	318	318	318			
6	column side	216	206	214	216	214	216			
7	side frame friction liner	10	6	9	8	5	8	①		
8	pocket liner	5	2	2	2	1	2			
9	vertical wear of Wedge block	0	7	1	1	1	1			
10	slope wear of Wedge block	0	3	0.5	0.5	0.5	0.5			
11	Adopter make			AAR	AAR	AAR	AAR			
12	Adopter side	268	262	263	262	261	263	④		
13	Adopter crown lug	156	164	152	159	159	162			
14	Centre pivot bottom liner vertical	38	40	Pre 39	Final 39					
15	Centre pivot Ring liner wear	365	369	Pre 367	Final 367					
16	Bolster spg. Colour code	A,B,C,D,E,F		A		A				
17	Side bearer spg. Height	123	119	121	121	121	121			

## Nominal clearances PRE &amp; Final OF BOGIE

1	Longitudinal clearance in between Adopter & S/Frame	10	15	PRE:-	18	19	19	18	Colour code of bolster springs:-
				FINAL:-	11	11	12	13	
	Lateral clearance in between Adopter & S/Frame	25	28	PRE:-	25	25	25	25	A= Green, B=Yellow, C=Gray, D=White, E=Sky blue
				FINAL:-	25	25	25	25	
	Longitudinal clearance in between bolster & S/Frame	4	7	PRE:-	5	4	5	4	C/code of provided paired bolster springs
				FINAL:-	5	4	5	4	
2	Lateral clearance in between bolster & S/Frame	22	28	PRE:-	22	23	25	24	(A)
				FINAL:-	22	23	25	24	
3	Side bearer clearance	0.5	2	PRE:-	3	-	3	-	
				FINAL:-	1	-	1	-	
4	CCSB Height under Tare	129.5	132.5	PRE:-	-	-	-	-	
5	Bogie Trammeling			FINAL:-	-	-	-	-	

## Material consumption:-

1	W/jaw adopter	4	ch	14	Side bearer Nut&Bolt	-	-	27	Push rod	-
2	Bk. Beam wear plate	4	ch	15	Side bearer seat	-	-	28	BK Beam bush	-
3	Wear plate	4	ch	16	Retaining Bolt	-	-	29	Slide block	-
4	E/M Pad	4	ch	17	Jaw liner 3 mm	5	R	30	Pin size 28*100 mm	-
5	Bk/block	4	ch	18	Jaw liner 4 mm	-	-	31	Pin size 40*118 mm	2
6	10*100 mm S/Pin	4	ch	19	C. Pivot Ring	-	-	32	bulb cotter	2
7	Bk/block key	-	-	20	C. Pivot bottom liner	-	-	33	S/F Key & N/BOLT	4/4
8	Bk. beam	-	-	21	Bolster spg. Outer	-	-	34		ch
9	S/Bearer spg.	-	-	22	Bolster spg. Inner	-	-	35		ch
10	Bolster liner	1	ch	23	Bolster spg. Snubber	-	-	36		ch
11	Friction liner	1	ch	24	Push rod safety	-	-	37		ch
12	W/Block	-	-	25	y-Type F/ Lever	-	-	38		ch
13	CCSB ASSY	-	-	26	Eqilizing lever	-	-	39		ch

PROVIDED IN  
61291101753-BLCA

MODULE NO  
TWHT-10/7

DATE  
11-09-20

WAGON CARE CENTRE TUGHLAKABAD

PRE-ROH Inspection CHECK LIST OF LCCF-20C BOGIE

Ver-02

BOGIE NO.	Bolster Make & Built year..... <b>TITA - 07-10</b>	Date..... <b>10-09-2020</b>
FRONT/REAR..... <b>✓</b>	Wagon no./M. no. from bogie removed..... <b>61291101739 - BLCA</b>	Module No. - <b>TWHT-10/5</b>

Note: 1. All Dimensions are in M.M. 2. All lines must be entered. 3. REF:- L.S.D. is fitted in left side & S/Frame No.-1 will be left side

S.N.	Description of Checks	New size	Condemn size	S/Frame NO.-1		S/Frame NO.-2		Changed=C	Repaired=R	Remarks
				left	Right	left	Right			
1	Pedestal Jaw	278	286	277.5	277.5	277.5	277.5			
2	Pedestal side outer	105	101	105	105	105	105			
3	Pedestal side inner	105	101	105	105	105	105			
4	Pedestal crown side	152	144	148	147	149	151			
5	Pedestal crown roof	318	323	318	318	318	318			
6	column side	216	206	214	216	216	214			
7	side frame friction liner	10	6	8	9	8	9			
8	pocket liner	5	2	4	2	4	2			(2)
9	vertical wear of Wedge block	0	7	1	1	1	1			
10	slope wear of Wedge block	0	3	0.5	0.5	0.5	0.5			
11	Adopter make			AAP	AAP	AAP	AAP			
12	Adopter side	268	262	267	265	266	266			
13	Adopter crown lug	156	164	157	156	157	156			
14	Centre pivot bottom liner vertical	38	40	Pre. 39	Final. 39					
15	Centre pivot Ring liner wear	365	369	Pre. 367	Final. 367					
16	Bolster spg. Colour code	A,B,C,D,E,F			A					
17	Side bearer spg. Height	123	119	121	121	121	121			

Nominal clearances PRE & Final OF BOGIE

	Longitudinal clearance in between Adopter & S/Frame	10	15	PRE:-	10	12	11	11	Colour code of bolster spring	
				FINAL:-	10	11	11	11		
	Lateral clearance in between Adopter & S/Frame	25	28	PRE:-	25	25	25	25		
				FINAL:-	25	25	25	25		
	Longitudinal clearance in between bolster & S/Frame	4	7	PRE:-	5	5	4	4		
				FINAL:-	5	5	4	4		
	Lateral clearance in between bolster & S/Frame	22	28	PRE:-	23	23	22	22		
				FINAL:-	23	23	22	22		
	Side bearer clearance	0.5	2	PRE:-	3	-	4	-		
				FINAL:-	1	-	1	-		
	CCSB Height under Tare	129.5	132.5	PRE:-	-	-	-	-		
				FINAL:-	-	-	-	-		
	Bogie Trammeling	3018±4.5		OK	/	OK				

Material consumption:-

1	W/Jaw adopter	-	-	14	Side bearer Nut&Bolt	-	-	27	Push rod	-
2	Bk Beam wear plate	-	-	15	Side bearer seat	-	-	28	BK Beam bush	-
3	Wear plate	2	cm	16	Retaining Bolt	-	-	29	Slide block	-
4	F/M Pad	4	cm	17	Jaw liner 3 mm	-	-	30	Pin size 28*100 mm	-
5	Bk/block	4	cm	18	Jaw liner 4 mm	-	-	31	Pin size 40*118 mm	2
6	10*100 mm S/Pin	9	cm	19	C Pivot Ring	-	-	32	Bulb cotter	2
7	Bk/block key	-	-	20	C Pivot bottom liner	-	-	33	S/F Key & N/BOLT	4/4
8	Bk beam	-	-	21	Bolster spg. Outer	-	-	34		
9	S/Bearer spg	-	-	22	Bolster spg. Inner	-	-	35		
10	Bolster liner	-	-	23	Bolster spg. Snubber	-	-	36		
11	Fr. iron liner	-	-	24	Push rod safety	-	-	37		
12	W/Hinge	-	-	25	y-Type F/ Lever	-	-	38		
13	CCSB ASSY	-	-	26	Equalizing lever	-	-	39		

Sign of DE/SE

Sign of Sr. Tech