

No. 2012/M(N)/951/35 (E- 3325701)

New Delhi, dated 08.02.2023

General Managers,
All Zonal Railways

SUB: Special Drive for Controlling Train Parting Cases

REF: 1. RDSO's Letter No. MW/CPL/BG/D dated 27.12.2022 (*copy enclosed*)
2. Board's letter no. 2018/M(N)/172/1 dated 05.03.2020 (*copy enclosed*)
3. Board's letter no. 2012/M(N)/951/35 dated 01.08.2019 (*copy enclosed*)

Train parting cases on IR have shown an increasing trend in the current year. Out of this, cases of train uncoupling, in which no breakage of components is involved, have specially registered abnormal increase.

2. Instructions for controlling train parting cases and for ensuring proper maintenance of CBC, Draft Gear and associated fittings have been issued from time to time by Railway Board and RDSO vide letters u/r.
3. Zonal Railways are advised to conduct a one month special drive in wagon maintenance Workshops, ROH depot and examination yards to ensure compliance of these instructions and take necessary corrective action to put right the deficiencies noticed during the drive.
4. Special checks to be conducted regarding checking of center sill in wagons during POH, in which some cases of working out of a portion of centre sill have taken place, which is quite a serious matter.
5. In this special drive, focus should be on ensuring replacement of CBC parts (knuckle, lock, rotary lock lifter assembly, bearing piece, etc) which are found near the condemning limit, proper checking of parts for cracks during POH & ROH and adequate availability of spare parts of CBC and draft gear. Checking of proper securing of yoke pin support plates, operating handle, bearing piece, etc. during all examinations.
6. This drive should be conducted primarily at the level of officers from HQ and divisions.

Results of the drive may be communicated to this office on email ID: s.murali1@gov.in and edmef@rb.railmnet.gov.in by 10th Mar'23, as per format enclosed.

DA: As above

VINAY KUMAR
AGARWAL

Digitally signed by VINAY KUMAR
AGARWAL
Date: 2023.02.08 18:28:11 +05'30'

(V K Agarwal)

Exec. Director Mech. Engg. (Freight)

Copy to:

PCMEs - All Zonal Railways- for kind information and necessary action
Director/IRIMEE-for kind information
PED/CAMTECH--for kind information
EDS(Wagon), RDSO, Lucknow- for kind information

Format for feedback on Special Drive for Controlling Train Parting Cases

Railway:

Division/ Yard	Checked by (name of official, designation & Mob no)	Place of Checking	Brief description of deficiency Noticed	Corrective Action Taken/propos ed	PDC for corrective action, if immediately compliance not possible



No.: MW/CPL/BG/D

Date: 27.12.2022

As per Circulation list

Sub: Action plan to reduce Train parting cases

RDSO has serious concern about recent train parting cases. Train parting cases have increased in recent times. RDSO has issued instructions to Zonal Railways from time to time to control the failures. Many instructions reiterated some new instructions along with some design modifications. Based on the instructions and failure data available with this office, following points are communicated to Zonal Railways so that train parting cases can be monitored and controlled.

1. Uncoupling of CBC

The recent pattern of train parting cases of freight stock reveals that around 22% of cases are related to uncoupling where no defect/breakage of CBC component is observed. In this regards, it has advised to all zonal railway to follow the handbook on "Train parting of freight stock" which details causes and remedies related to train parting/uncoupling cases (copy enclosed). A check sheet was issued to a zonal railway vide letter CPL/BG/HT, dated 06.04.2022 (copy enclosed). Zonal Railways should ensure to follow the above check sheet and also feedback should be shared with RDSO.

2. Train parting due to operating handle/ Miscreant activity.

Some cases of train parting are received due to inadvertent operation of CBC operating handle due to hitting of ballast/foreign elements or due to miscreant activity. To avoid train parting due to the above reasons, a design of locking arrangement of operating handle was modified. Safety strap on bearing piece has introduced to avoid movement of operating handle during train operation. This modification is carried out with Drg. No. WD-00046-S-01 (Alt.7) (copy enclosed). Zonal railways were advised vide letter no. MW/CPL/BGD, dated 23.03.2022 to start implementation. It is requested to share compliance status & performance feedback with RDSO on a quarterly basis (Copy enclosed).

3. Train parting due to failure/breakage of Coupler components.

Several cases of train parting are due failure or brakeage of coupler components. In this regard, quality audit of Coupler manufacturer and POH workshop have been carried out time to time. Further analysis of failure of Coupler components, it reveals that many cases are due to components worn out. Incorrect maintenance practice may be one of the reasons. Railway Board has also issued a letter regarding maintenance examination and repair of CBC and its components (copy enclosed).

Improper weight of coupler components is one of reason of failure of coupler components. Currently, in term of para no. 7.6 of RDSO spec no.WD-70-BD-10, 10% of weigh measurement is being done during by quality control organization of the coupler manufacturer. Therefore, it has been decided that all the coupler manufacture will carry out 100% weight measurement during internal quality inspection and submit this as internal test results. The same has advised to vide letter CPL/BG/HT, dated 22.07.2022 (Copy enclosed). Zonal Railways are advised to share their feedback on the result obtain in the field on above instruction.

4. Train parting due to other reasons of Coupler components.

Some failures are received due to other misc. reasons of Coupler components. In order to improve the reporting of train parting cases, a Google sheet was prepared and shared with Zonal Railways. Zonal Railways are requested for timely feeding the data on it. This is also being incorporated in FMM to improve failure data analysis and timely reporting.

Encl: As above

ANAND

RISHI

SRIVASTAVA

Digitally signed
by ANAND RISHI
SRIVASTAVA

Date: 2022.12.27

11:19:15 +05'30'

(Anand Rishi Srivastva)

DSW/WP

For Director General/RDSO

Circulation:**(a) EDME (Freight):**

For kind information.

Railway Board, Rail Bhawan
New Delhi – 110 001

(b) The Principal Chief Mechanical Engineer: -

For necessary action please.

1. Central Railway, C.S.T., Mumbai – 400 001
2. Eastern Railway, Fairlie Place, Kolkata – 700 001
3. East Central Railway, Hajipur – 844 101
4. East Coast Railway, Rail Vihar, B-2, Chandrashekherpur, Bhubaneswar –751023
5. Northern Railway, Baroda House, New Delhi -110 001
6. North Central Railway, Subedargunj, Allahabad -211 015
7. North Eastern Railway, Gorakhpur-281 001
8. Northeast Frontier Railway, Maligaon, Guwahati -781 001
9. North Western Railway, Near Jawahar Circle, Jaipur – 302 017
10. Southern Railway, NGO Annexe, Park Town, Chennai – 600 003
11. South Central Railway, Rail Nilayam, Secunderabad – 500 371
12. South Eastern Railway, Garden Reach, Kolkata – 700 043
13. South East Central Railway, RE Office Complex, Bilaspur – 495 004
14. South Western Railway, Club Road, Keshwapur, Hubli – 560 023
15. West Central Railway, Opposite Indira Market, Jabalpur – 482 001
16. Western Railway, Churchgate, Maharishi Karve Marg, Mumbai – 400 020

(c). The Chief Workshop Manager:

For necessary action please.

1. Eastern Railway Workshop, Liluah, District: Howrah (West Bengal) – 711 204
2. Eastern Railway Workshop, Jamalpur, District: Munger (Bihar) – 811 214
3. Mechanical Workshop, East Central Railway, Samastipur (Bihar)-848 101
4. Mechanical Workshop, Northern Railway, Civil Albert Road, Amritsar (Punjab)-143 001
5. Mechanical Workshop, Northern Railway, Jagadhari, Distt: Yamunanagar (Haryana)-135 002
6. Wagon Repair workshop, North central Railway, Jhansi (U.P.)-248 003
7. Wagon Repair workshop, North central Railway, Jhansi (U.P.)-248 003
8. Loco workshop, North Western Railway, Lal Phatak, Ajmer (Rajasthan)-305 001
9. Carriage & Wagon Workshop, Southern Railway, Perumbur (Tamil Nadu)-600 023
10. Central workshop, Golden Rock (Ponmalai), Tiruchirappalli (Tamil Nadu)-620 004

1633608/2023/O/o ED/SW/RDSO

11. Wagon Workshop, South Eastern Railway, Kharagpur (West Bengal) - 721 301
12. Wagon Repair Workshop, South East Central Railway, Raipur (Chhattisgarh) -490 015
13. Wagon Repair Workshop, West Central Railway, Kota (Rajasthan)-324 002
14. Wagon Repair Workshop, South Central Railway, Guntupalli (A.P.)-521 241
15. Western Railway Workshop, Freelandganj , Dahod, Distt: Panchmahal (Gujarat)- 389 160
16. Western Railway Workshop, Pratap Nagar, Vadodara (Gujarat)-390 004
17. Carriage & Wagon Workshop, North East Frontier Railway, New Bongaigaon (Assam)-798 381



Government of
India - Ministry of
Railways Tele :
(0522) -2465744
Fax : (0522)
-2452494

Research Designs &
Standards Organisation
Lucknow - 226011
DID (0522) 2450115
DID (0522) 2465310



MW/CPL/BG/HT

Date: 06.04.2022

All PCMEs

1. Eastern Railway, Fairlie Place, Kolkata-700001
2. East Central Railway, Hajipur, Bihar-844101
3. East Cost Railway, Railway Complex, Bhubaneswar, Orissa-751023
4. Northern Railway, Baroda House, New Delhi-110001
5. North Central Railway, Prayagraj-211001
6. North Western Railway, Jaipur-302006
7. North Eastern Railway, Gorakhpur-273012
8. Southern Railway, Park Town, Chennai-600003
9. South Central Railway, Secunderabad-500071
10. South Eastern Railway, Garden Reach, Kolkata-700043
11. South East Central Railway, R.E. Complex, Bilaspur - 495004
12. South Western Railway, Hubli-580023
13. Northeast Frontier Railway, Maligaon, Guwahati-781011
14. Western Railway, Churchgate, Mumbai-400020
15. West Central Railway, Jabalpur-482001

Sub: Action Plan to control Train Parting/Uncoupling cases.

Ref: CRSE (Fr.)/CR letter no. M.79.C&W.Wagon Tippler dated 24.02.2022

1. The recent pattern of train parting cases of freight stock reveals that a majority of cases are related to uncoupling where no defect/breakage of CBC component is observed.
2. In connection to it, please find enclosed a handbook on "Train parting of freight stock" which details causes and remedies related to train parting/uncoupling cases. The handbook also details for proper driving techniques for loco pilots since poor engineman ship is also a prominent reason for uncoupling of CBCs.
3. In addition to this, Central Rly. vide reference above has forwarded a check sheet for investigation of train parting/uncoupling cases of freight stock. The check sheet has been examined and enclosed herewith for necessary action at your end.

Encls.- As above

Digitally Signed by

Shailendra Kumar Sharma

Date: 06.04.2022 22:08:11

(S. K. Sharma)
Director/Wagon
Reason: Approved
General /
Wagon

Copy to: (1) EDME (Freight), Railway Board, New Delhi-for kind information
(2) PCME, Central Railway, Mumbai: In connection to ref above.

1052749/2022/O/o ED/SW/RDSO



भारत सरकार –रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ – 226011
Fax : 91-0522-2452494
Tele/Fax: 0522- 2456165

Government of India - Ministry of Railways
Research Designs & Standards Organisation
Lucknow – 226011
DID (0522)2450115
DID(0522)2465310



No. MW/CPL/BGD

Dated: 23.03.2022

1. Northern Railway, Baroda House, New Delhi-110 001
2. Central Railway, CST, Mumbai-400 001
3. Eastern Railway, Fairlie Place, Kolkata-700 001
4. Western Railway, Churchgate, Mumbai-400 020
5. Southern Railway, Park Town, Chennai-600 003
6. South Central Railway, Secunderabad-500 071
7. South Eastern Railway, Garden Reach, Kolkata-700 043
8. North Eastern Railway, Gorakhpur-273 001
9. Northeast Frontier Railway, Maligaon, Guwahati-781 011
10. East Central Railway, Hajipur, Bihar 844 101
11. North Western Railway, Jaipur-302 006
12. North Central Railway, Allahabad.-211 001
13. South Western Railway, Hubli – 580 023
14. East Coast Railway, Bhubaneswar, Orissa-751 023
15. West Central Railway, Jabalpur-482 001
16. South East Central Railway, R.E. Complex, Bilaspur – 495 004

Sub: **Locking arrangements for CBC unlocking handle for freight stock.**

Ref: i) North Central Railway letter No. NCR/MECH/813 dtd. 09.02.2022.

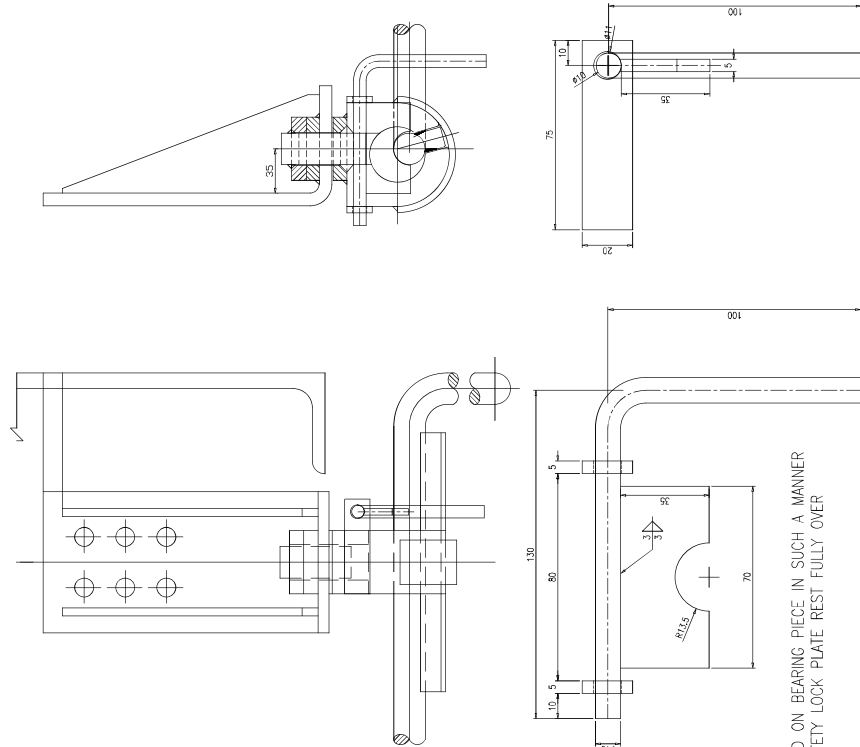
ii) Western Railway letter No. M137/52/1 dtd. 25.08.2021.

References are come from railways on train parting due to inadvertent operation of CBC operating handle due to hitting of ballast/foreign elements or due to miscreant activity. To avoid train parting due to the above reason a draft design of locking arrangement of operating handle was shared for comments/suggestion from all Zonal Railways. The same draft design is now finalised with Drg. No. WD-00046-S-01 (Alt.7).

Zonal railways are advised to start implementation and share performance feedback with RDSO on a quarterly basis.

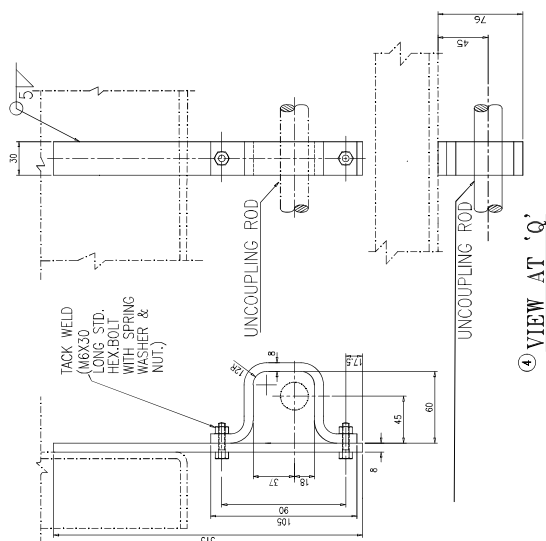
DA : As above.

SANJAY KUMAR Digitally signed by
SANJAY KUMAR
Date: 2022.03.23
17:14:10 +05'30'
(Sanjay Kumar)
Director/Wagon
for Director General

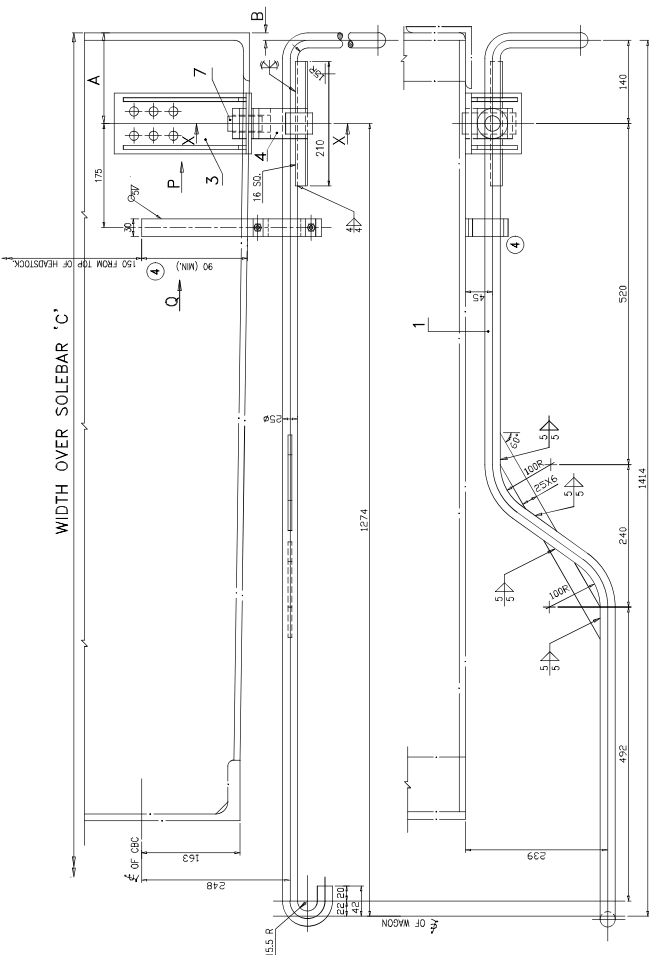


NOTE: SAFETY LOCK SHALL BE WELDED ON BEARING PIECE IN SUCH A MANNER THAT SEMI CIRCLE SLOT IN SAFETY LOCK PLATE REST FULLY OVER UNCOUPLING ROD HANDLE.

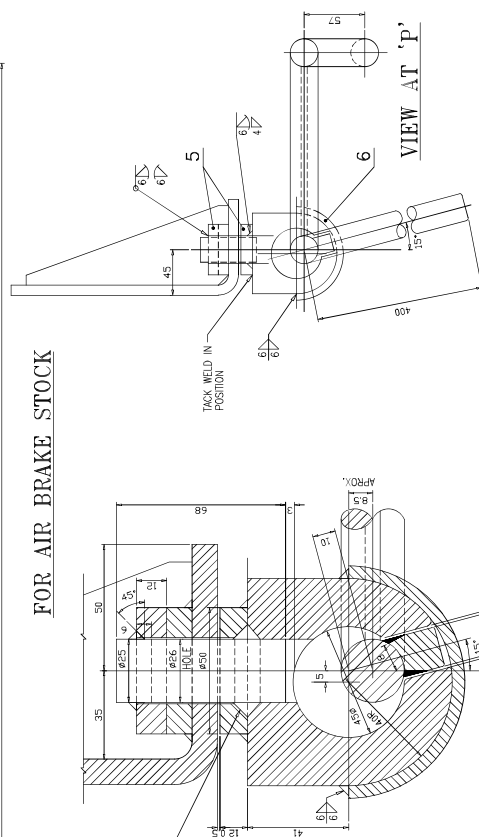
⑦ LOCKING ARRANGEMENT OF UNCOUPLING ROD



TYPES OF WAGON	WIDTH OVER SOLEBAR 'C' (mm)	DIMENSIONS (mm)	
		A	B
④ BOX BTBN, BTBH BITPGL, BTQH ②	2860	156	16
⑤ BOXN/BOXNHAM BOXNM1/BOXNM2 BOXNSH/BOXNSH/BOXNEL	2960	206	66
⑥ BOY	2934	193	53
④ BOX BCN, BCNA	2950	201	61
④ BOX BOBYN	2875	163.5	23.5
BRN, BRNA	2845	148.5	8.5
④ CRT CRP, CRP-AUG ②	2946	199	59



FOR AIR BRAKE STOCK



ENLARGED SECTION - 'XX'

ITEM	QTY	DESCRIPTION	DATE
7	1	NEW FOR VAGUON, BRAKE STICKS DELIVERED. ARRANGEMENT OF SAFETY LOCK FOR CAB OPERATING HANDLE ADDED/SHOWN.	03/22
6	1	WD-220025	
5	1	WD-210986	09/2001
4	1	WD-20017	06/2009
3	1	BOXNOMX/BOXNOMX/BOXNOMX/BOXNOMX IN TYPES OF WAGON "BOXNELL" ADDED.	
2	1	WD-18073	09/18
1	1	NEW FOR VAGUON BRAKES BOX, HYDRA. BOX FOR CACT WAGON REORDER BOX, BOST. BOBY & CACT WAGON REORDER BOX, BOST.	04/13
	1	IN TYPES OF WAGON "BOXNOMX" ADDED.	01/11
	1	REF. FOR BTOH ADDED	7/3/2001
	1	DRAWING REVISED	
	1	WD-010115	
	1	WD-010120	
	1	WD-010118	
	1	WD-010115	

UNCOUPLING GEAR		ARRANGEMENT OF WAGONS		WD-00046-S-01	
UNCOUPLING GEAR		ARRANGEMENT OF WAGONS		GROUP	R.O.D.S.O.
7	PN 25 DIA. X 68 LONG	2	0.26	Fe 410 Wa	
6	SAFETY STRAP FOR BEARING PIECE	2	N/RD-4318	—	
5	WASHER 50 DIA. X 12 THICK	4	N/RD-4285	—	
4	BEARING PIECE	2	N/RD-4284	—	
3	HANGER BRACKET	2	N/RD-4283	—	
2	COUPLER ROD (FOR WOLLUM BRACKET)	2	—	IS-2042 Fe 410 Wa	
1	COUPLER ROD (FOR AIR BRAKE)	2	—	IS-2042 Fe 410 Wa	
ITEM	DESCRIPTION & DIMENSIONS	QTY. NO.	WT. (one kg)	REF. OF MIL. & SPEC	REMARKS
UNCOUPLING GEAR OF GENERAL TYPE OF WAGON					
SUPPLIED BY	DATE				
COUL-FRSEED	1.4.2000				
CHERKEZ	09/2000				
DAWRA	09/2000				
JABET	09/2000				
NO-20046	09/2000				
B.G.					



भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ - 226 011
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Government of India-Ministry of Railways
Research Designs & Standards Organisation
Lucknow - 226 011
DID (0522) 2450115
DID (0522) 2465310



No. MW/CPL/BG/HT

Date: 22.07.2022

Coupler & Coupler Components manufacturers (As per Mailing list)

Sub: Implementation of 100% weight measurement of CBC components.

Ref: Executive Director/QA (Mech)/RDSO/ Mumbai letter no. I&L/BB/F-40 dated 24.05.2022.

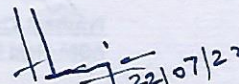
Vide letter under reference, ED/QAM, Mumbai informed this office that recent failures of knuckles resulted in train parting of freight stock, subsequent section block and punctuality loss of a number of passenger trains.

Improper weight of knuckles & other coupler components is one of reason of failure of coupler components. Currently, in term of para no. 7.6 of RDSO spec no.WD-70-BD-10, weight measurement of 10% components is mandated by the quality control organization of the manufacturer.

ED/QAM Mumbai decided that all foundries under QAM/Mumbai will carry out 100% weight measurement of knuckles and other coupler components during internal quality inspection and submit this as internal test results. RDSO inspecting agency/consignee shall cross verify these weight data during inspection. Coupler components being safety items, all Coupler & Coupler Component manufacturers shall follow this practice.

In view of the above, it is requested to incorporate these weight measurement changes in corresponding pages of QAP with immediate effect. Modified pages of QAP should be sent to this office for approval.

DA: Nil


(Sanjai Jauhri)
ADE/Wagon

For Exe. Director /RDSO

Copy to: ED / QAM, RDSO, First Floor, New Annexe Building, Western Railway,
Churchgate, Mumbai - 400 020

Coupler & Coupler Components manufacturers

1. M/s Atul Engineering Udyog, NUNHAI, Agra – 282006.
2. M/s Frontier Alloy Steels Limited KM 25/5 & 6 Kalpi Road, Rania Kanpur Dehat-209304, Uttar Pradesh, India.
3. M/s Jupiter Wagons Ltd., Shahgunj, Chinsurah, Distt.- Hooghly-712104, West Bengal.
4. M/s Jai Multi Engg. Co.Bhagwanpura, Barwala Road, Teh. Derabassi, Mohali140507, Punjab.
5. M/s Texmaco Rail & Engineering Ltd., Steel Foundry Division, Belgharia,North 24 Parga nas, Kolkat-700056 6.
6. M/s Titagarh Wagon Ltd.(Heavy Engineering Division), PO-Hind Motor, Hooghly-712233, West Bengal, India.
7. M/s Titagarh Wagon Ltd.(Unit Titagarh Steel), 1, Abdul Qudduss Road, Titagarh, 24 Paragana, West Bengal, India-700119.
8. M/s Bhilai Engineering Corporation Ltd., Hathkhoj Village, Industrial Area, Bhilai-490026, DistDurg (C.G.)-490026.
9. M/s Hindustan Engineering & Industries Ltd., Bamunari Plant, NH-2, Delhi Road, Bamunari, DistHoogly, Pin-712250, West Bengal, India.
10. M/s Kharagpur Metal Reforming Industries Pvt. Ltd. Koushallya, P.O. Kharagpur, Dist. Paschim Midnapur , PIN-721301 (W.B.).
11. M/s Shree Kedar Metal Foundries, Shree Kedar Metal Foundries Gate No. 49, Near Industrial Estate, Palus, Dist-Sangli Maharashtra-416310.
12. M/s Siena Engineering Pvt. Ltd. Plot No. 18A-22 and S-3/3, Sector-III, Sagore Kutti Road, Pithampur, Distt. Dhar-454775 (M.P.).
13. M/s NF Forgings Pvt. Ltd. Sankrail Industrial Park,N H-6 Bombay Road, Dhulagarh, Sankrail Howrah-711302.
14. M/s Oriental Foundry Pvt. Ltd., Survey No. 442 & 455/P-23, Village Chopadava, Tal Bhachau, Dist-Kutoh, Gujarat-370165.
15. M/s Raneka Industries Ltd., Plot No. 15,16,17 Sector-3 (Sagore), Pithampur, Dist- Dhar (M.P.), Pin-454775.
16. M/s Frontier Alloy Steels Ltd. Jamni Wala Road, Badri Nagar, Paonta Sahib, Dist. Sirmaur 173025, H. P. (India).
17. M/s Rine Engineering Pvt Ltd,73A, B&C,HPSIDC Industrial. Area, Baddi, Dist.- Solan (H.P.)- 173205.
18. M/s N.K. IRON INDUSTRIES, C-3, Foundry Nagar, Hathras Road Agra,Uttar Pradesh - 282006, India .
19. M/s BRAND ALLOYS PRIVATE LIMITED, NH-2, Delhi Road, Chatra, Sreerampore, Hooghly Hoogly,West Bengal - 712223, India.
20. M/s Hi-Tech Investment Castings Pvt. Ltd, 204, GIDC.II, Distt. Bhavnagar Sihar-364240 (Gujarat) India.
21. Lal Baba industrial Corporation Pvt. Ltd., 78, Lalbabu Shire Road, Belur, Howrah-711202 (W.B.)
22. Nikoo Precision Cast Pvt. Ltd., Survey No. 44/2, Rajkot-Gondal National Highway 27, Near Toll Plaza, Village Bharudi (Gondal), Dist: Rajkot-360311, Gujarat (India).
23. M/s Vikas Hitech Castings, Sankrail Industrial Park, N.H.-6, Bhagabatipur, P.O.- Chaturbhujkati , Sankrail, Howrah-711302
24. M/s Sati Auto Components Pvt. Ltd. M12 Large Sector, Adityapur, Industrial Area Gamharia, ,Dist – Jamshedpur-832108.
25. M/s Thirumala Precicasts Pvt. Ltd, Gat no. 115/1A At. Post Ulegaon Taluka South Solapur413224 (MH).
26. M/s. INDUSTRIAL FORGE AND ENGINEERING COMPANY LIMITED-JAMSHEDPUR A 21P- A 25P, Phase VI, Adityapur Industrial Area, Gamharia, Jamshedpur,Jharkhand - 832108, India.

100 70

भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

रेल भवन, नई दिल्ली- 110001, तिथि
Rail Bhavan, New Delhi-110001, Dated 05.03.2020

No. 2018/M(N)/172/1

Pr. Chief Mechanical Engineers
All Indian Railways

Sub: Maintenance, Examination and Repairs of CBC and its components


Ref: 1) Board's letter No.2016/M(N)/172/1 dt.28.03.2018
2) Board's letter No.2016/M(N)/172/1 dt.16.02.2018
3) Board's letter No.2016/M(N)/172/1 dt.02.08.2018
4) Board's letter No.2016/M(N)/172/1 Pt. dt.01.08.2017
5) Board's letter No.2016/M(N)/172/1 dt.27.05.2016
6) Board's letter No.2018/M(N)/172/1 dt.03.02.2020
7) Board's letter No.2003/M(N)/951/22 dt.16.1.13

...

The matter of repeated cases of failure of CBC components leading to train parting have been raising concerns over zonal railways and some of the cases have indicated that there may be some issues in following the existing instructions on the above subject. It is therefore, advised that the following issues need to be kept in view for strict implementation of instructions all over the examination yards, ROH depots and POH shops over zonal railways:

- (i) All procurement of CBC and its components is to be done as per the latest drawings, which prescribe that the manufacturer's name along with manufacturing month & year is embossed clearly on each component [ref(1)]
- (ii) In all cases the procurement, the specifications must indicate the STR/drawing with alteration no. latest available at the time of opening of tender [vide ref(1)].
- (iii) All railways must ensure that CBC and its components are always procured with RDSO inspection and no material should be accepted with consignee inspection [vide ref(1)]
- (iv) All CBC and its components, which do not have manufacturer's name and month/date embossed, or not to be used for wagons being turned out from POH, ROH and Sickline repairs. Components without marking details are to be treated as NTXR rejectable w.e.f.01.03.18 [vide ref(2)].
- (v) Large number of WD-48-BD Specification knuckles manufactured by M/s Jai Multi had been failing. M/s Jai Multi has been de-listed from approved vendor list for WD-48-BD (enclosed). All knuckles of WD-48-BD specification manufactured by M/s Jai Multi are to be withdrawn from service and warranty claim lodged for the same as per regular practice [vide ref(3)]


Contd...2/-



- (vi) No new WD-48-BD-08 specification CBC assembly and its components are to be procured by zonal railways [vide ref (4)]
- (vii) After introduction of CC+8+2 loading of wagons, the WD-48-BD-02 specification was withdrawn in May 2008. Any CBC component,, which is found to be manufactured prior to 2008 should necessarily be withdrawn and rejected in POH depots and ROH workshops.
- (viii) As per existing instructions all draft gears are to be necessarily dropped for inspection and overhaul, if required, during POH [vide ref (5)]
- (ix) For dropping CBC and draft gear, in some of the workshops and ROH depots holes are being cut in the under frame. This practice must be stopped forthwith and suitable tools deployed for removal of CBC and draft gear as needed [vide ref(6)]
- (x) For dropping of draft gear, hydraulic tools should be arranged by POH shops and ROH depots so as to quicken the process of removal as well as reduce the manpower involvement [ref(5)].
- (xi) The list of 'must change' items during POH and ROH has been circulated vide Board's letter vide ref-7. All POH shops and ROH depots to ensure strict compliance.
- (xii) It has been noted that on some of the zonal railways, the rejection rate of WD-49-BD draft gear is very high. Railways must ensure and audit overhaul and testing practices for WD-49-BD draft gear to ensure that all draft gears are repaired/overhauled whenever needed.
- (xiii) There has been no directive so far issued for retrofitment of CBC or draft gear of WD-48-BD and WD-49-BD Specification by WD-70-BD and WD-71-BD specification. Therefore, procurement of these items should be only be made to a level, where it can be ensured that wagon designed with WD-70/71/66 CBC/draft gear to the respective specifications are turned out with equivalent specification only. It is advised that WD-66 Specification is equivalent to WD-70/71 for CBC and draft gear. It is not desirable to convert WD-49 draft gear to WD-66/71 or vice versa
- (xiv) RDSO has already prescribed a standard proforma for investigation and reporting of train partings. Railways need to ensure that in all cases of reported train parting, reports are sent to RDSO in the prescribed proforma (copy of proforma is enclosed)

It is requested that necessary instructions and /or technical standing orders be issued on your railway to ensure compliance of the above instructions. As has been advised from time to time, the above items are NTXR rejectable items and therefore, need to be complied accordingly.

D/A: Proforma


(AJAY NANDAN)
Exec. Director Mech. Engg. (Fr)
Railway Board

Copy to:

DIR/NCO

PED/W & PED/QAM, RDSO, Lucknow – for information and necessary action pls.



Form for reporting Train Parting Cases of Freight stock to RDSO on Monthly basis

(Note: All dates to be written in DD/MM/YY format. Mail to be sent to RDSO: trainparting@gmail.com)

1	Type of Rake	Date of Failure	
2		Station	
3		Section	
4		Division	
5		On line/Yard failure	
6		Whether failure resulted in derailment	
7		Train No.	
8		Parting type component failure or uncoupling	
9		CC/Premium/End to End	
10		BPC Date & No., BPC Issue depot & Rly	
11		Wago No.	
12		Type of Wagon	
13		Loaded/Empty	
14		Single Pipe/Twin Pipe	
15		Position of Wagon from T/E	
16		Component involved/failed	
17	PRO Particulars of Wagon	Last POH Date/Built Date	
18		POH Workshop/Wagon Builders Name	
19		Last ROH Date	
20		ROH Depot	
21		Manufactuer's Code	
22		Month & Year of Mfg.	
23		Sr.No.	
24		In case of uncoupling, the result of joint check with details	Condition of lock, creep & handle
25			Gauging result of anti creep
26			Whether welding on Knuckle?
27			Coupler Horn Clearance (mm)
28			Grade HTE/HTEA/UHT/UHTE
29			Warranty Claim Lodged? (If Yes, Details to be given)
30			Whether joint investigation done? (If Yes, Details to be given)
31	Reason of Failure as per Lab report		

[Signature]

[Signature]

भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

No. 2012/M(N)/951/35

रेल भवन, नई दिल्ली- 110001, तिथि

Rail Bhavan, New Delhi-110001, Dated 01.08.2019

Pr. Chief Mechanical Engineers
All Indian Railways

Sub: Train partings: Precautions and special measures to be taken during examination, ROH, Sick line attention & POH.


...
In a recent case of train partings on CR, the preliminary findings indicate that the train parted due to CBC working out after the yoke pin support plate had fallen down. It was also found, out of six rivets yoke pin support plate, two had already fallen down much before the parting and three more were old breakage cases in which the rivets have broken near its head.

The case indicates that during the incentive examination of the rake the fact of two missing rivets and three broken rivets got over looked. This amounts to a serious lapse in the precaution to be taken during train examination. Also, since the wagon POH was of March '18, the quality of rivetting also is suspect.

All examination depots on your railway, sick lines and ROH depots be asked to undertake special drive for the next one month for the following activities:

- In all train examinations, a special look out should be maintained to find cases of missing rivets/huck bolts and loose rivet/huck bolts of the yoke pin support plates
- In wagons turned out after ROH or sick line attention, special checks will be carried out for ensuring availability and proper fitment of all rivets securing CBC draft gear and its other components.
- In wagons turned out after sick line attention and ROH, special checks will be undertaken to ensure proper working of CBC lock and its creep mechanism including operation handle.
- Train examination gangs should invariably ensure repair and in cases where the repairs are not feasible during examination time, the wagon must be detached and taken for sickline attention.
- In all POH shops, the quality of rivetting needs to be given special attention. Whereas, RDSO drawings are available, rivets should be replaced by Huck-bolts and use of conventional rivetting avoided.

The action taken with respect to above drive should be advised and report be sent by 09/09/2019 to this office.


(AJAY NANDAN)
Exec. Director Mech. Engg. (Fr)
Railway Board

Copy to:

DIR/NCO - To ensure that all NTXRs maintain alertness towards this drive at their locations.