

# भारत सरकार Government of India रेल मंत्रालय Ministry of Railways रेलवे बोर्ड Railway Board



No. 96/M(C)/141/77

New Delhi, Dated 24.06.2024

General Managers, All Zonal Railways

Sub: Improvement in water filling arrangement in coaches

Ref: i. Railway Board letter No. 96/M(C)/141/77 dated 20.05.2024

ii. RCF CAI/RCF/MECH/LHB/061 dated 10/5/2024

In order to increase the water filling rate in LHB coaches, vide reference (i) above, all Zonal Railways were advised by Board to provide additional water filling arrangements in LHB coaches as per CAI issued by RCF vide reference (ii). Needless to mention, there is saving in the water filling time in coaches once this modification is carried out.

RCF was advised to procure and arrange to supply kits for carrying out the modification in 1000 LHB coaches for each Zonal Railway, and further all Zonal Railways were advised to plan and indent material beyond 1000 LHB coaches at their end.

Zonal Railways should review the progress of the above modification regularly so as to complete the modification at the earliest.



Additional water filling arrangement

(Satish Kumar) Member (T&RS) Railway Board

Copy to:

GM/ RCF:-

1. All coaches being turned out from RCF be modified.

2. Material as referred in para above be supplied at the earliest.

<u>GM/ICF & MCF</u>: All coaches being turned out from PUs be modified with additional water filling arrangement.



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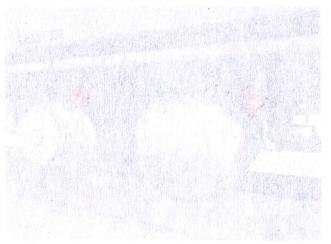
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## भारत सरकार Government of India रेल मंत्रालय Ministry of Railways रेलवे बोर्ड Railway Board



No. 96/M(C)/141/77 New Delhi, Dat

(E-Office 3435093) New Delhi, Dated 20.05.2024

General Managers RCF, ICF and MCF, All Zonal Railways

Sub: Improvement in water filling arrangement in coaches

Ref: i. Railway Board letter No. 96/M(C)/141/77dated 23.01.2024

ii. RCF CAI/RCF/MECH/LHB/061 dated 10/5/2024

iii. VC held on date 20.05.2024

Vide reference (ii) above, RCF has issued CAI for Retro fitment of Additional water filling arrangement in LHB type Coaches". As discussed during VC held on date, NR informed that trial for providing additional water filling arrangement has been carried out in 48 LHB coaches at NDLS Depot/NR, and the results of the trial were encouraging since the water-filling time requirement has gone down. NR also confirmed that the said modification can be carried out at the washing line itself, without need for detachment and coach placement at Sickline.

In view of the above, as discussed during the VC, the following instructions are issued to all PUs & Zonal Railways :

- RCF should procure and arrange to supply kits for carrying out the modification in 1000 LHB coaches for each Zonal Railway, and
- 2. All Zonal Railways should immediately plan and indent material for said modification kits on priority beyond 1000 nos to be supplied by RCF.
- 3. All PUs should immediately cut in the modification in the new coaches being turned out.
- 4. All Zonal Railways should ensure that the modification is completed in all LHB coaches within the next 90 days. Zonal Railways may consider carrying out the modifications first in coaches plying in trains with maximum watering complaints, and then in the balance coaches, to the extent possible.
- 5. RDSO and RCF to submit the recommendations with respect to RB letter at (i) above at the earliest.

For necessary action please.

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CA PHORESTERO, POMERTOR - For find information and necessary schon please

# RAIL COACH FACTORY, KAPURTHALA

# (Coach Alteration Instruction No. CAI/RCF/MECH/LHB/061)

MD46111

Date: As Signed

1. **Description:** Retro fitment of Additional water filling arrangement in LHB type Coaches.

2. Ref : As per instructions of MTRS during visit to RCF on Dt 29.03.2024.

3. Reason for alteration: To increase the water filling rate in LHB Coaches.

4. Coach type & Applicability of Drawing No:

S.No	Coach Type	Applicable Drawing No	Description	QPC	Fig
1	LWACCW/L WACCN/ LWCBAC	LE63279	Additional side filling arrangement for water tank (2X685L) for LHB coaches.	01	Fig-1 & Fig-2
		LE63280	Additional side filling arrangement for water tank (450L) for LHB coaches.	01	
2	LWSCN /LWACCNE (Economy)	LE63279	Additional side filling arrangement for water tank (2X685L) for LHB coaches.	01	Fig-1 & Fig-3
		LE63281 Alt-a	Additional side filling arrangement for water tank (1X685L) for LHB coaches.	01	
3	LWFAC/ LWSCZAC/ LWFCZAC	LE63279	Additional side filling arrangement for water tank (2X685L) for LHB coaches	01	Fig-1

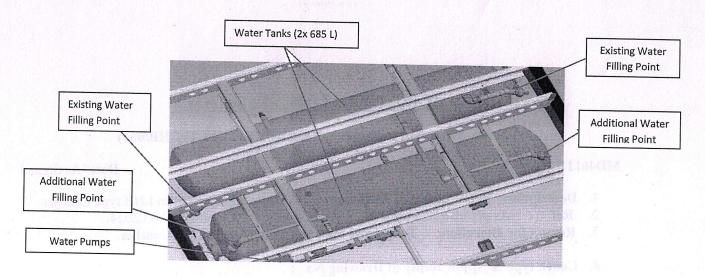
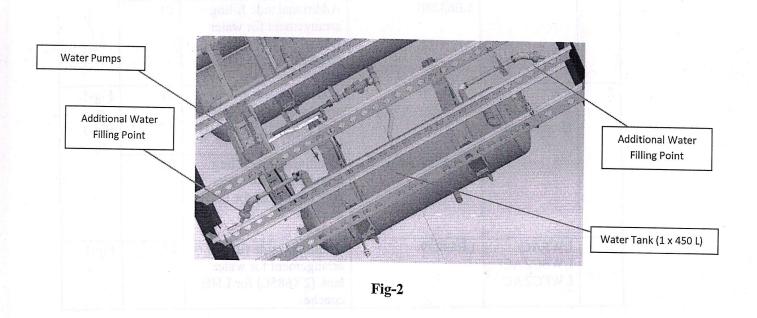


Fig-1



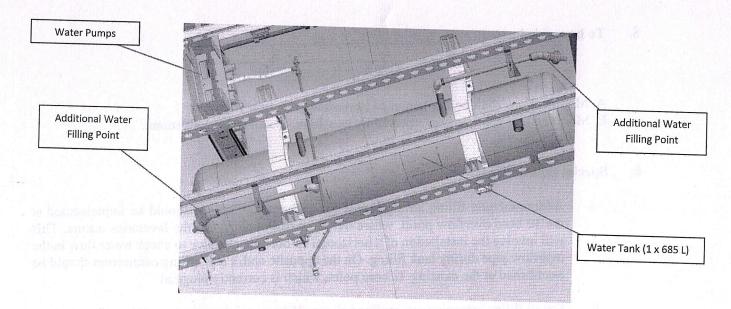


Fig-3

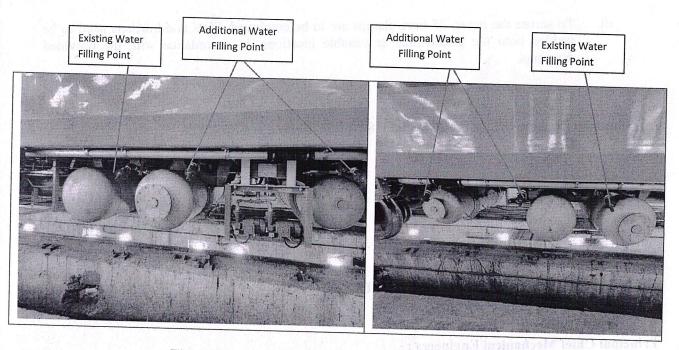


Fig-4 (Water Filling arrangements fitted on LHB ACCN Coach)

#### 5. To be carried out:

A	✓ B
Tick	A or B as applicable

- A. Modifications shall be implemented immediately by user Rlys.
- B. Modifications shall be implemented by user Rlys. as and when convenient.

### 6. Special Instructions:

- i. Additional side filling arrangements for water tanks (2x685) should be implemented at the 32 bore overflow point, where overflow from one end of the lavatories occurs. This will involve the installation of a horizontal 15 bore check valve to check water flow in the overflow pipe during tank filling. On the opposite end, a side filling connection should be established at the existing 32 bore point, which is currently plugged.
- ii. For all filling arrangements outlined above, 25 bore stainless pipes must be utilized, along with appropriate hex bushings (32x25 bore, 40x25 bore, and 50x25 bore) as per the provided drawings.
- iii. To secure the pipes, 25 bore clamps are to be employed. Flats and brackets need to be welded onto the underframe at suitable locations, in accordance with the provided drawings.

Enclosure: Drawing Nos: LE63279, LE63280, LE63281 alt-a & LE63282

JUGAL KISHOR Digitally signed by JUGAL KISHOR Date: 2024.05.10 12:41:38 +05'30'
For General Manager (Mech.)

#### Copy to:

All Principal Chief Mechanical Engineers of IR All Chief workshop Engineers of IR

## **Principal Chief Mechanical Engineers:**

- 1. Central Railway, Mumbai CST-400 001
- 2. W. Railway Churchgate, Mumbai 400 020
- 3. Northern Railway, Baroda House, New Delhi- 110 001
- 4. N.E. Railway Gorakhpur., Gorakhpur-273 001
- 5. N.F. Railway Maligaon, Guwahati- 781 011
- 6. S. Railway, Park Town, Chennai- 600 003
- 7. S. C. Railway, Rail Nilayam, Secunderabad- 500 371

- 8. S. E. Railway, Garden Reach, Kolkata-700 043
- 9. Eastern Railway, Fairlie Place, Kolkata-700 001
- 10. E. Coast. Railway, Bhubhaneswar- 751 016
- 11. North Central Railway, Allahabad 211 001
- 12. North West Railway, Jaipur 302 001
- 13. S. E. Central Railway, Bilaspur- 495 004
- 14. S. W. Railway, Hubli 580 023
- 15. West Central Railway, Jabalpur- 482 001
- 16. East Central Railway, Hazipur- 844 101

#### Chief Works Engineer:

- 1. Central Railway, Matunga, Mumbai- 400 019
- 2. Bhopal, West Central Railway Nishatpura, MP-462 001
- 3. Lilluah, Eastern Railway, Howrah-711 204
- 4. Alambagh, Northern Railway, Lucknow- 226 005
- 5. Jagadhari, Northern Railway, 135 003
- 6. Gorakhpur N. E. Railway- 273 001
- 7. New Bongaigaon N. East Frontier Railway- 783 381
- 8. Perambur, Southern Railway, Chennai- 600 023
- 9. Golden Rock, Southern Railway, Trichy- 620 004
- 10. Ashokpuram, Southern Railway, Mysore South- 570 008
- 11. Lallagudda, S. C. Railway Secunderabad- 500 017
- 12. Hubli, South Western Railway- 580 020
- 13. Tirupati ,S. C. Railway 517 506
- 14. Mancheswar, East Coast Railway, Bhubhaneswar- 751 017
- 15. Kharagpur, S. E. Railway- 721 301
- 16. Lower Parel, N.M.Joshi Marg, Western Railway, Mumbai- 400 013
- 17. Western Railway, Ajmer, Rajasthan
- 18. North East Frontier Railway, Dibrugarh, Assam-786 001

#### Copy to:

DG/Carriage, RDSO, Manak Nagar, Lucknow- 226 011 EDME (Coaching), Railway Board, New Delhi-110 001 EDME (W), (Coaching), Railway Board New Delhi-110 001

