



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



MC/ACF/Fire Supprn/PC

Date- 06.06.2024

Principal Chief Mechanical Engineers

| | |
|---|--|
| 1. मध्य रेलवे, छत्रपति शिवाजी टर्मिनस, मुम्बई - 400 001. | 12. उत्तर मध्य रेलवे, हार्लिंग रोड, इलाहाबाद - 211 001. |
| 2. पूर्व रेलवे, फेयरली प्लेस, कोलकाता - 700 001. | 13. उत्तर पश्चिम रेलवे, जयपुर - 302 006. |
| 3. उत्तर रेलवे, बडौदा हाउस, नई दिल्ली - 110 001. | 14. दक्षिण पश्चिम रेलवे, हुबली - 580 023. |
| 4. दक्षिण रेलवे, पार्क टाउन, चेन्नई - 600 003. | 15. पश्चिम मध्य रेलवे, जबलपुर - 482 001. |
| 5. दक्षिण मध्य रेलवे, रेल निलायम, सिकन्दराबाद - 500 071. | 16. दक्षिण पूर्व मध्य रेलवे, आर ई आफिस काम्प्लेक्स, बिलासपुर - 495 004. |
| 6. दक्षिण पूर्व रेलवे, गार्डेन रीच, कोलकाता - 700 043. | 17. इन्टीगरल कोच फैक्टरी, चेन्नई - 600 038. |
| 7. पूर्वोत्तर रेलवे, गोरखपुर - 273 012. | 18. रेल कोच फैक्टरी, हुसैनपुर, कपूरथला - 144 602. |
| 8. पूर्वोत्तर सीमान्त रेलवे, मालीगाँव, गुवाहाटी - 781 011. | 19. बी ई एम एल, बेंगलूर काम्प्लेक्स, न्यू थिप्पासान्द्रा, पोस्ट बाक्स नं. 7501, बेंगलूर - 560 075. |
| 9. पश्चिम रेलवे, चर्चगेट, मुम्बई - 400 020. | 20. कोकण रेलवे कार्पोरेशन लि. कार्पोरेट आफिस, बेलापुर मवन, नवी मुम्बई - 400 614. |
| 10. पूर्व मध्य रेलवे, हाजीपुर - 844 101. | 21. माडर्न कोच फैक्टरी रायबरेली - 229206 |
| 11. पूर्व तटीय रेलवे, बीडीए रेंटल कालोनी, रेलवे काम्प्लेक्स, चन्द्रशेखरपुरा, भुवनेश्वर, उड़ीसा - 751 016. | |

Sub: Functionality of automatic fire detection cum suppression system fitted in Pantry/Power cars.

A fire incidence has taken place recently in Pantry Car No. 213650 of train no. 22805/06 ANVT BBS Exp while the train was stabled in yard of ANVT station. During subsequent examination it was found that solenoid valve of FDSS system was disconnected due to which the automatic fire suppression system could not get activated. Disconnection of solenoid valve is required only during testing of system during SS-1 schedule. Other than it, any such disconnection is not permitted.

In this regard, RDSO is amending the relevant specification for including provision of audio alert in case of disconnection of solenoid valve. However, as an interim measure, sealing of solenoid valve and its intactness to be checked during primary maintenance. The sealing shall be acknowledged especially by Pantry Manager in pantry cars before departure of train from originating stations. The photographs for sealing are given below for ready reference. Though the work of providing sealing arrangement in Pantry & Power car should be completed on urgent basis, however pantry cars should be completed on priority.



Further, RCF/KXH has already issued a CAI for Retro fitment of locking arrangement for isolating cock of Aspiration type smoke/Fire detection with Alarm system in LHB AC Coaches vide letter no. MD 46111 dated 22.05.2024 (copy enclosed). This work is also to be completed at earliest.

DA: As above

Anurag
(Anurag Malik)
Jt. Director/SS/Carriage

Copy to: JDME/Chg. Railway Board, Rail Bhawan, New Delhi - for kind information please

रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory, Kapurthala

(Coach Alteration Instruction No. CAI/RCF/MECH/LHB/064)

No. MD46111

Date 22.05.2024

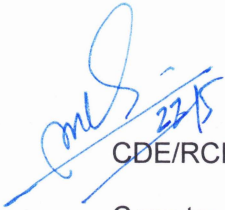
1. Description Retro fitment of locking arrangement of isolating cock of Aspiration type smoke/ Fire detection with Alarm system in LHB AC Coaches.
2. Ref As per instructions of DG/Safety, Railway Board during visit to RCF, Kapurthala on 10.04.24.
3. Reason for alteration To prevent the tampering of isolating cock of Aspiration type smoke/ Fire detection with Alarm system in LHB type Coaches.
4. Coach type & Applicability of Drawing Number All LHB AC coaches.
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. Bracket should be properly clamped on brake pipe to prevent the unauthorized movement of lever of isolating cock.
 - ii. All other required items already incorporated in the drawing as provided in MI008044.

Enclosure: Drawing No's: MI008044 rev 'Nil'


22/5

CDE/RCF - May kindly approve please.

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


25/5/24
For General Manager (Mech.)

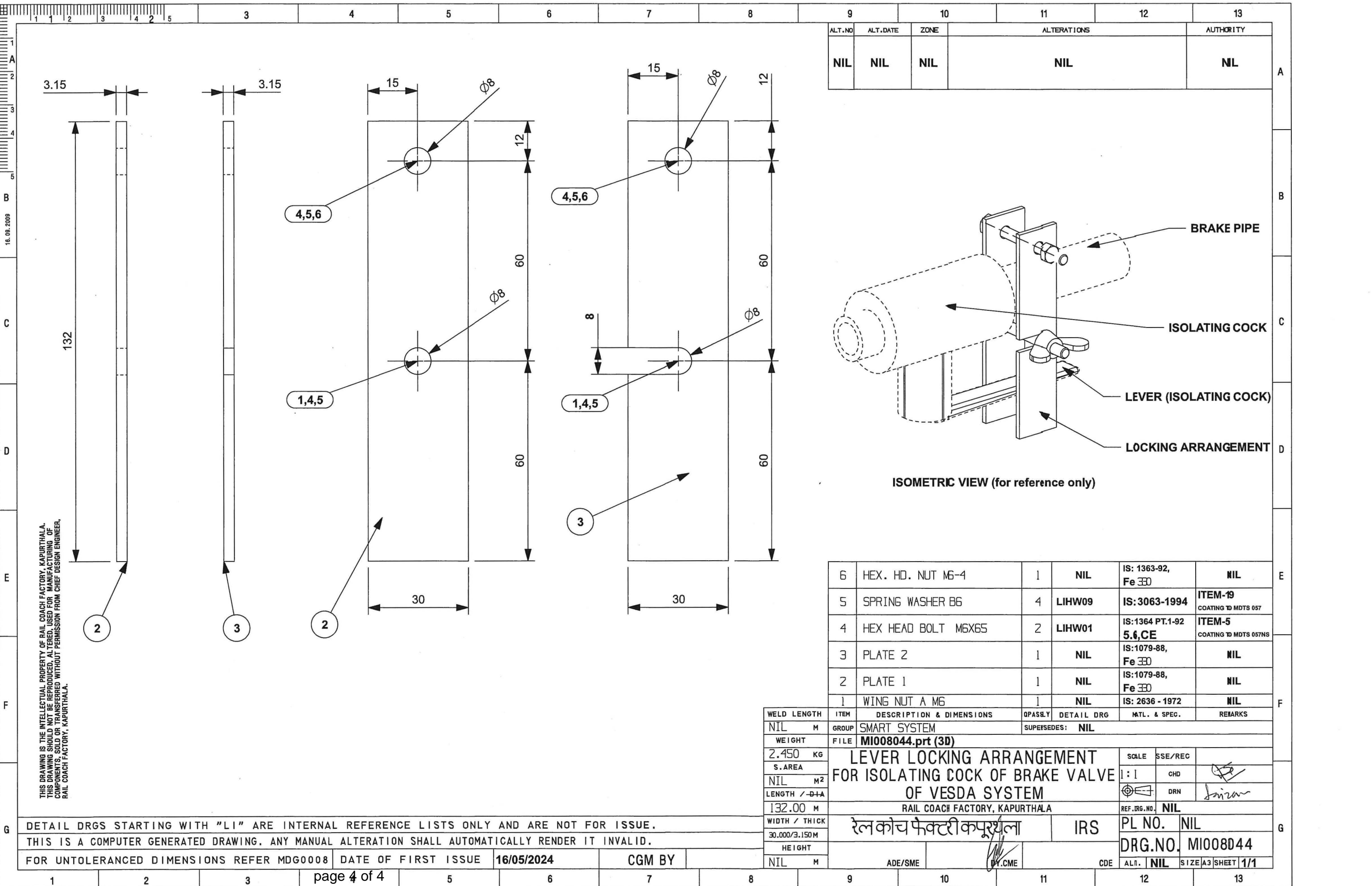
2. W. Railway Churchgate, Mumbai - 400 020
3. Northern Railway, Baroda House, New Delhi- 110 001
4. N.E. Railway Gorakhpur., Gorakhpur-273 001
5. N.F. Railway Maligaon, Guwahati- 781 011
6. S. Railway, Park Town, Chennai- 600 003
7. S. C. Railway, Rail Nilayam, Secunderabad- 500 371
8. S. E. Railway,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



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FOR UNTOLERANCED DIMENSIONS REFER MDG0008 DATE OF FIRST ISSUE 16/05/2024 CGM BY

| WELD LENGTH | ITEM | DESCRIPTION & DIMENSIONS | QTY | DETAIL DRG | MATL. & SPEC. | REMARKS |
|---------------|----------------|-----------------------------------|--------------|------------|---------------|---------|
| NIL | M | GROUP | SMART SYSTEM | SUPSEDES: | NIL | |
| WEIGHT | FILE | MI008044.prt (3D) | | | | |
| 2.450 | KG | LEVER LOCKING ARRANGEMENT | | | | |
| S. AREA | | FOR ISOLATING COCK OF BRAKE VALVE | | | | |
| NIL | M ² | OF VESDA SYSTEM | | | | |
| LENGTH / DIA | | RAIL COACH FACTORY, KAPURTHALA | | | | |
| 132.00 | M | REF. DRG. NO. NIL | | | | |
| WIDTH / THICK | | रेल कोच फैक्टरी कपूरथला | | | | |
| 30.000/3.150 | M | IRS | | | | |
| HEIGHT | | PL NO. NIL | | | | |
| NIL | M | DRG. NO. MI008044 | | | | |
| | | ADE/SME | | | | |
| | | CDE | | | | |
| | | AL. NIL | | | | |
| | | SIZE A3 SHEET 1/1 | | | | |