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भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ-226011
Government of India-Ministry of Railways
Research Designs & Standards Organisation
LUCKNOW - 226011

No. EL 3.2.13 6

Date: 30-3-2000.

MODIFICATION SHEET NOELRS/MS/0281(Rev 0)-2000

Chief Electrical Engineer.

Central Railway, Mumbai CST-400001.

Eastern Railway, Fairlie Place, Calcutta-700001.

East Central Railway, Chandrashekharpur, Bhubaneswar-751001.

Northern Railway, Baroda House, New Delhi-110001.

North Central Railway, Hasting Road, Allahabad-211001.

Sothern Railway, Park Town, Chennai-600003.

South Central Railway, Rail Nilayam, Secunderabad-500371.

South Eastern Railway, Garden Reach, Calcutta-700043.

South Western Railway, Bangalore-560046.

Western Railway, Churchgate, Mumbai-400020.

West Central Railway, Jabalpur.

New Zone Railway, Bilaspur.

Chittaranjan Locomotive Works, Chittaranjan-713531.

Chief Electrical Traction Engineer, Central Railway, Mumbai CST-400001.

1.0 TITLE:

Side stopper arrangement in lieu of the tie bar arrangement for WAG7, WCAM3 & WCAG1 class of locomotives.

2.0 OBJECT:

Railways have reported that in high adhesion bogie middle (inner) tie bars are falling down on line due to non provision of wire ropes to hold it. In few cases, breakage of cross tie bar is also reported.

Based on the nature of failures and consequences of entanglement in the event of dropping of tie bar on line, the design has been reviewed and it is decided to provide the side stoppers at location no. 2,3 of tie bar on wheel set no. 3 & 4.

This will make the arrangement simpler and do away any consequences of damages of underframe due to dropping of the tie bar on line as well as prevent the riding of brake block on wheel track.

3.0 WORK TO BE CARRIED OUT:

- a) Tie bar item no 28(inner end) of Drg No SKDL 4199 to be removed.
- b) Side stopper arrangement to be provided at location no 2&3 of tie bar wheel set no. 3 & 4 as per drawing no SKVL-149 circulated vide MP D letter no SV.WAG7 dt 12-5-99.

4.0 APPLICATION TO CLASS OF LOCOMOTIVES:

WAG7, WAG7H, WCAM3 & WCAG1 class of electric locomotive

5.0 MATERIAL REQUIRED:

Lever side stopper and bogie side stopper as per drawing no SKVL-149.

6.0 MATERIAL RENDERED SURPLUS:

Tie bar hanger arrangement.

7.0 REFERENCE:

Problem reported by C.Railway vide letter no L.253.207 dt 3-1-2000.

8.0 MODIFICATION DRAWING:

As per drawing no SKVL-149.

9.0 AGENCY OF IMPLEMENTATION:

By CLW, POH Shops and Electric locomotive sheds.

10.0 DISTRIBUTION:

As per Standard Mailing List No. EL M 0028 Ver'0

Encl: Drg No SKVL-149.

ELRS/MS/c281


(A.K. Gupta) 20/03/2000

for Director General Elect Std.

