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Government of India
Ministry of Railways

Research, Designs & Standards Organisation

Ref: EL/3.1.3/E7

Lucknow

23.4.1977

MODIFICATION SHEET No. RDSO/WAM4/42

1 Title of modification

Improvement of CCUA fuse arrangement

2 Application to Locomotives

WAM4 locomotives.

3 Object of modification

As per existing circuitry the relay Q30 is connected after fuse CCUA and it trips the DJ in case this fuse has blown off, and also the voltmeters indicates zero tension thereby giving wrong signal to the driver of the overhead HT supply failing.

In order to overcome this problem, the relay Q 30 is to be connected direct to ac supply and fuse provided for protection of voltmeters only.

4 Modification Drawing No.

RDSO SK EL 2634.

5 Agency for modification

(i) Railways on all the existing locomotives.
(ii) CRW on locomotives under production.

6 Material required and specification

(Shifting of connection).

Material rendered surplus

7 Work to be carried out

Relay Q 30 should be disconnected from its present position and connected to a spare terminal on Bd. board to wire No. 966.

- 8 References :-
Minutes of the Seventh MSG(EL) meeting
(para 1.3.6) held at Chittaranjan Locomotive
Works in July 1976.

9 Distribution

Secretary (Elec Traction), Railway Board, New Delhi
Chief Elec Engineers
Central Railway, Bombay
Eastern Railway, Fairlie Place, Calcutta
Northern Railway, Baroda House, New Delhi
South Eastern Railway, Garden Reach, Calcutta
Western Railway, Churchgate, Bombay
Chittaranjan Locomotive Works, Chittaranjan.
Superintendent (Workshop), E Ry, Kancharapara
Dy Chief Elec Engineer
Central Railway (POH), Bhusaval
Eastern Railway, Kancharapara
Dy CEE (D), Chittaranjan Locomotive Works, Chitt
Sr Divisional Elec Engineer (TRS)
Central Railway, Walyan
Eastern Railway, Asansol / Mughalsara
Northern Railway, Kanpur
South Eastern Railway, Tata / Bhilai
Divisional Elec Engineer (TRS)
Central Railway, Bhusaval
Northern Railway, Ghaziabad
Western Railway, Vadodara
Dy Director Inspection (Elec) PRDSO
c/o Chittaranjan Locomotive Works, Chittaranjan.

(cc) No. 10 to 11/11/76
B. S. SIDHU
(B.S. SIDHU) 1/14
for Director General (Elec)

