

(4)

Government of India
Ministry of Railways
Research, Designs and Standards Organisation

Manak Nagar, Lucknow-226011.

Ref: EL/3.2.13/D5.

Dated:

January 78.

MODIFICATION SHEET NO. RDSO/WAM4/593-2-78

1. Title of modification

Modification to horn cheek lugs in the bogie frame casting - Trimount Co-Co Bogies of Electric Locos.

2. Application to class of Locos:

Type WAM, WAM-A, WAM-B, WAM1, WCG2

043. 3. Object of modification:

3.1 During the course of investigations of failures of equaliser beams of trimount Co-Co bogies of Electric and Diesel Electric Locos, it was noticed that in some cases the outer lugs of the horn faces of the bogie frame had been cast oversize resulting in fouling of the equaliser beam neck with bogie frame casting during running conditions under dynamic loading.

3.2 To eliminate this fouling, it is proposed to reduce the height of the projection of the horn cheek outer lug as per RDSO drawing No. SKOL-3056.

3.3 To cater for high speed bogie frame application also, it is recommended to provide similarly only 5 mm protrusion on the bogie frame.

4. Modification drawing No -

RDSO Drg. No. SKOL-3056 circulated vide letter No. SB.BE.Trimount.1 dated 29.9.77.

5. Agency for Modification:

Railways:- In all existing locos during POH or whenever bogies are run out and dis-assembled for a major overhaul or for other scheduled repairs.

6. Material required and specification:

Nil.

7. Work to be carried out :-

7.1 Protrusion of horn cheek outer lugs to be reduced to 5 mm by oxy-cutting/chipping and grinding smooth.

7.2 Height of horn cheek outer lugs to be reduced to 290 mm by oxy-cutting/chipping and grinding smooth.

7.3 Avoid any under cutting on main wall of casting.

7.4 Any sharp corners are to be rounded off.

8. Reference :-

RDSO letter No. SD.BE.Trimount.1 dated 29.9.77 addressed to GMS(Mech-Diesel/Electrical) of all zonal railways.

9. Distribution :-

(As per distribution sheet enclosed).

Enc: One.

(T.S.Kalra) 05/11/78
for Director General(Elect)