

**GOVERNMENT OF INDIA MINISTRY OF RAILWAYS
RESEARCH DESIGNS AND STANDARDS ORGANISATION
MANAK NAGAR LUCKNOW - 226 011**

No. EL/ 3.2.13/6

Dated : 21.1.98

MODIFICATION SHEET NO. WAG7/6 (New No. WAG5/252)

**WHEEL WEAR ON WAG7 LOCOMOTIVES
REMOVAL OF SIDE STOPS FROM THE EXISTING 4 NOS. PER
BOGIE TO 2 NOS. PER BOGIE**

1. OBJECT

Railways have reported high wear on wheels in WAG7 locomotives. On studying the negotiability of WAG7 locomotives on curvature, it has been found that the inner pair of side stops provided on the bogie causing excessive constraints on the rotation of the bogie and the under frame when the locomotive moves on the curvature. At present the bogies have been provided with 4 nos. of side stops, 2 of these are fitted across the centre pivot and have a clearance of 20 mm each side with the under frame. The other two side stoppers have a clearance of 50 mm each side with the under frame. On comparing the arrangement of side stops in the imported WAG6C locomotive with that of WAG7 locomotives it has been found that there are only two side stops in the WAG6C locomotives. Therefore on checking the detailed calculations, measurement of bogie rotation in the oscillation trials and other relevant factors, RDSO have removed the side stops having 50 mm clearance between the bogie and the under frame.

2. WORK TO BE CARRIED OUT

Two numbers of side stops having a clearance of 50 mm each side with the under frame may be removed from each bogie i.e. only 2 nos. of side stops shall be left out of the four nos. being presently provided on each bogie as per the details given in the Drg. No. SKEL-4438 during monthly schedule inspections.

3. APPLICATION TO CLASS OF LOCOS

- (i) WAG7 locomotives in service.
- (ii) For new locomotives the scheme to be followed by CLW as shown in the RDSO Drg.No. SKVL-136 issued vide MP Dte letter No. SV.WDG2 dt. 22.10.97 i.e. only one pair of side stopper per bogie is to be used and the new location of the side stoppers in this drawing has been shown to be at the centre the middle axle.

4. **MATERIAL REQUIRED**

Nil

5. **MATERIAL RENDERED SURPLUS**

Nil

6. **REFERENCE**

Drg No. SKEL -4438. Motive power Dte of RDSO have issued this modification vide their letter No.SV.WAG7 dt. 30.6.97 for existing locomotives and vide letter No.SV.WDG2 dt. 22.10.97 for new locomotives.

7. **AGENCY FOR IMPLEMENTATION**

- (i) Electric Loco Shed holding WAG7 locomotives.
- (ii) All POH shops.
- (iii) Locomotives under manufacture by CLW with arrangement as per 3(ii) above.

The cut in point be advised to RDSO and Railways.

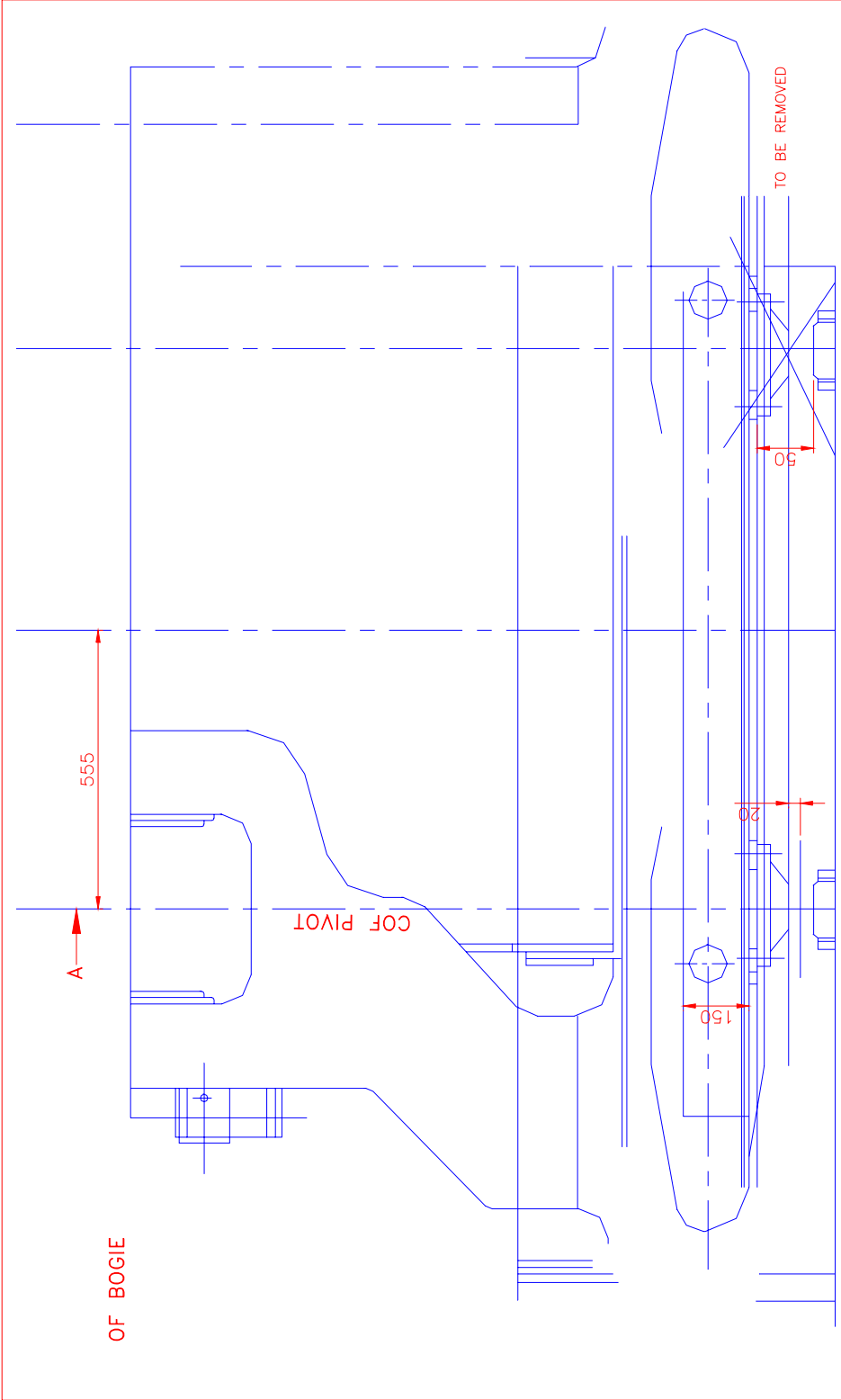
8. **DISTRIBUTION**

As per list enclosed.



Encl. : Drg. No. SKEL-4438
WAG7/6

(V.K.Aggarwal)
for Director General / Elect.



REF: SKDL-4116	FOR D.G.
ELECTRICAL DRETORATE	SCALE:-
R.D.S.O.	SKEL-4438

BOGIE SIDE STOP ARRANGEMENT FOR WAG7
WAG7/6

