

Government of India
Ministry of Railways
Research, Designs & Standards Organisation
Manak Nagar, Lucknow - 226 011

No.EL/2.2.2/CG

Dated --11.1982.

MODIFICATION SHEET NO. RDSO/WAM4/130

**MODIFICATION TO THE CUP FORMATION IN SPRING LOADED
SLEEVE (PT. NO. 6040) OF AIR BLAST CIRCUIT BREAKER (DJ) HBB
MAKE.**

1. OBJECT

Railways have reported a few cases of coming out of the top cover of indigenous sleeve of DJ during insulator operation resulting in line. failure. Investigation has shown that this was caused due to the less folding provided on the top and bottom cover of the spring loaded sleeve (6040) of indigenous make supplied by M/s HBB.

2. WORK TO BE CARRIED OUT

- Remove the spring loaded sleeve (6040) from DJ assembly.
- To increase the folding on the top and bottom cover of the spring loaded sleeve proceed as follows:
- Make a jig fixture as a SK. EL. 3533.
- Put the sleeve (1) inside the housing (2) of the jig fixture .
- Place a cover (3) and plate (4) tightened it with hexagonal nuts(5)
- Provide hex. screw(7) and tighten it to increase the fold on the top cover.
- Similarly repeat the process for bottom cup formation.
- The cup formation can be said to be proper if the average dia of formed cup is 21.5 mm. or less on both the sides.
- Fit the modified sleeve to DJ assembly.

NOTE:- Housing of the jig fixture can be made by using the condemned venting cartridge (2200) of DJ.

3. APPLICATION

Loco/ EMU fitted with air blast circuit breaker of HBB make.

4. MATERIAL REQUIRED

One jig fixture as per SKEL. 3553,

5. MATERIAL SURPLUS

NIL

6. REFERENCE

(i) Item 2.1.12 (Page 12) of the minutes of the meeting held between Railways and M/s. HBB in June-July 1982 and minutes circulated vide RDSO letter No. EL/3.2.30/CG dated 29.7.82 .

(ii) M/s HBB os sketch No. DBTF 42 .

(iii) CNB Electric Loco Shed is using the same jig fixture.

7. MODIFICATION DRAWING

RDSO SKEL. 3533

8. AGENCY OF IMPLEMENTATION:

All electric locomotives/EMU's sheds and POH shops.

9. DISTRIBUTION:

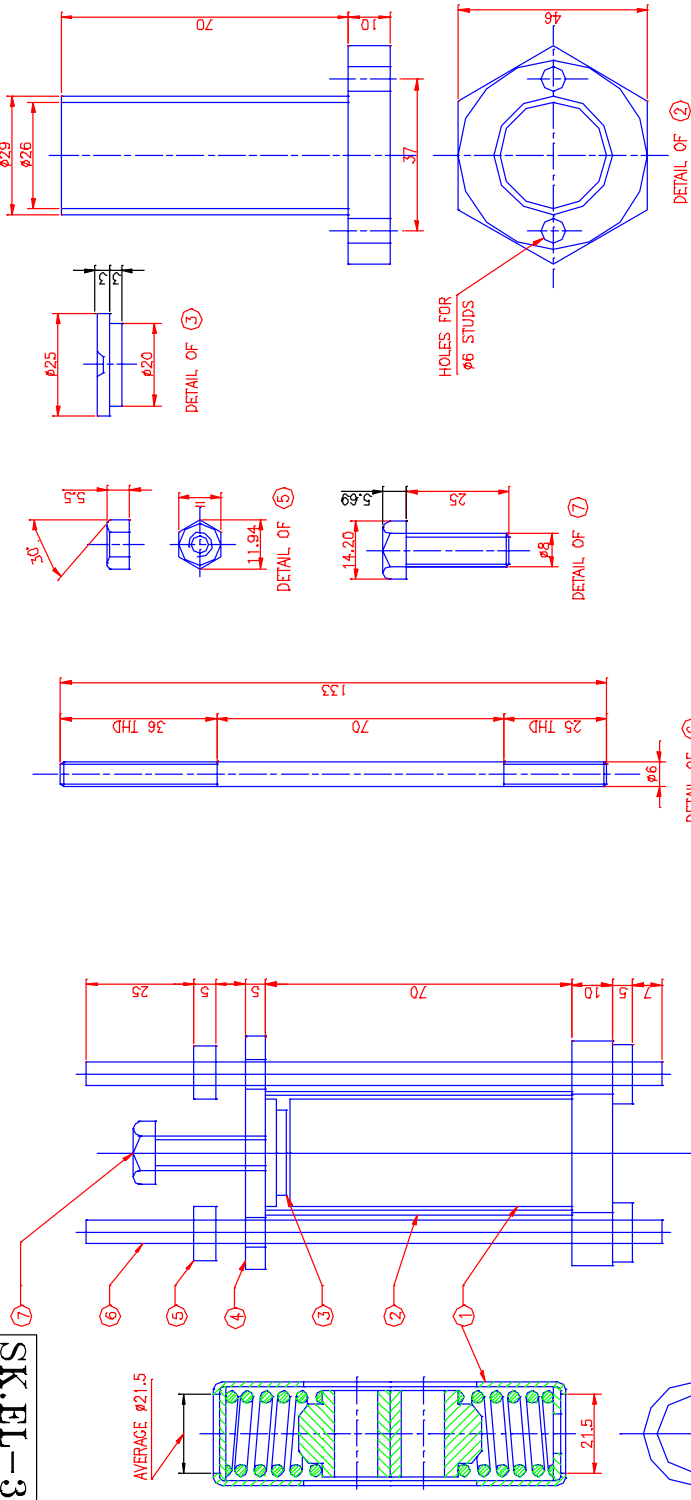
As per list attached.



(K. Vishwakumar)
for Director General(Elec.)

Encl : 1. SKEL. 3533
2. Mailling List.

SK.EL-3533



PART NO.	DESCRIPTION	QTY.	EXISTING	MATERIAL/SPEC
7.	HEX. SCREW	1	IS : 1364	
6.	STUD	2	IS : 1367	
5.	HEX. NUT	4	IS : 1364	
4.	PLATE	1	IS : 1079	
3.	COVER	1	IS : 1079	
2.	HOUSING	1	IS : 1079	
1.	SPRING LOADED SLEEVE (60-40)	2	EXISTING	

REF:-	M/S HBBS SKETCH NO. DBTE 42	SCALE:-	NTS	APPROVED BY:-	FOR DLS
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JIG FIXTURE TO INCREASE THE FOLDING OF SPRING LOADED SLEEVE OF DJ

RDSO.ELEC.DTE. SK.EL-3533

*NOTE :- HOUSING OF THE JIG FIXTURE CAN BE MADE BY USING THE CONDENSED CARTRIDGE (2200) OF DJ.

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