

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

Ref: EL/2.2.2/DC 2

Dated : Jan 80

MODIFICATION SHEET NO. RDSO/WAM4/92
MODIFICATION TO SERVO MOTOR SLEEVE OF CIRCUIT
BREAKER TYPE DFTF 30i250 HBB MAKE

1. **Object of modification**
Railways have reported a few cases of breakage of servo motor sleeves (part No. 2404 and 2403) of DJ type 30i250 HBB make. Investigations have shown that the failure occurred due to repeated impact during every operation of DJ. M/s HBB have changed the material of the sleeves to improve the impact properties. M/s HBB have supplied the improved sleeves from DJ S. No. IB 000935. it is proposed to replace the existing sleeves by those of improved material.
2. **Work to be carried out**
Check the S.No. of DJ. If the DJ supplied is prior to IB 000935, remove both the sleeves (Part No.2404 and 2408_Ref_BBC maintenance Manual No. CHAO94146E. Fit new sleeves of improved material obtainable from M/s HBB. For the improved sleeves, in addition to existing material phosphor bronze (IS: 1385) minimum bronze (drawn quality Gr- 103 to BS. 2874) is added to improve impact properties.
3. **Application**
To all electric locomotives and EMUs fitted with DJ type 30i250.
4. **Material Required**
Servo motor sleeves (Part No.2404 and 2408 obtainable from : M/s Hindustan Brown Boveri Ltd. P.O. Box No. 124, Baroda, PIN 390 001 (Gujarat).
5. **Material rendered surplus**
Existing servo motor sleeves.
6. **Reference**
HBB SWT 335085.
7. **Modification drawing** : Nil
8. **Agency for implementation**
Railways on existing locomotive and EMUs.
9. **Distribution**
As per list attached.



Encl: NIL

(RAMESH CHANDRA)
For Director General /Electrical