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Government of India - Ministry of Railways
Research, Designs & Standards Organization,
LUCKNOW – 226011

No. EL/3.2.172

Dated 31.7.2006

All Chief Electrical Engineers and as per mailing list

MODIFICATION SHEET No. ELRS/MS/ 0347, (Rev. 0)

1.0 **Title** : Adoption of modified Arcing stud & fixing bracket on BHRR assembly of Traction Motor type HS-15250A.

2.0 **Object** : Railways have reported persistent cases of flashovers on Hitachi Traction Motor type HS 15250A. Further breakage in the bent portion of fixing bracket on account of sharp radius in the bend and inadequate strength has also been reported. In this regard ELS/Lallaguda have proposed a modification which will eliminate this problem of breakage of fixing bracket, because of the changed profile of the arcing horn. The modification has been examined and found to be effective. It has therefore been decided to implement this modification.

3.0 **Existing arrangement with cross references of respective design document** : The existing arrangement is as per Modification sheet no. RDSO/WAG5/28 dt. Feb.1998 and drawing no. is SKEL 4448.

4.0 **Modified arrangement to replace existing arrangement as given above in 3.0** : Arcing stud and fixing bracket for rocker ring as per RDSO Drg. No. SKEL- 4707.

5.0 **Application to Class of Locomotives** : All Electric locomotives fitted with Hitachi Traction motor type 15250 A.

6.0 **Material Required** : New Arcing stud and fixing bracket for rocker ring as per RDSO drawing No. SKEL – 4707.

7.0 **Material Rendered Surplus** : Old Arcing stud and fixing bracket for rocker ring as per RDSO Drg. No. SKEL- 4448.

8.0 **Reference** : NIL.

9.0 **Modification Drawing** : RDSO drawing No. SKEL - 4707.

- 10.0 **Agency of Implementation** :
1. All Electric Loco sheds
 2. All POH workshops
 3. All BHRR approved vendors
 4. Chittaranjan Loco Works

Encl: As above

(M.K.Singhal)
for Director General

