

**Government of India - Ministry of Railways
Research Design & Standards Organisation**

No. EL/3.2.12/EC2

Dated July 1979

MODIFICATION SHEET NO. RDSO/WAM4/87

**MODIFICATION OF THE FLEXIBLE CABLE CONNECTION
ON PRINTED CARD BOARD OF BCF7 BATTERY CHARGER
OF M/S CONTROLS AND DRIVES CORPORATION, COIMBATORE**

1. Object of modification :

1.1 Some cases of breakage of flexible connecting cables at the soldered point on P.C. board have been reported. Since these cables are directly soldered on P.C. board any vibration or movement of card or connector cable exerts excessive stress at the soldered point.

1.2 It is suggested that the wires should be passed through holes and then soldered. Suitable size of holes may be drilled as shown in SK. EL. 3153.

2. Work to be carried out :

- i) Drill holes for connector cables as shown in SK. EL. 3153.
- ii) Desolder one wire and pass it through the hole and then re-solder as shown in SK. EL. 3153
- iii) Repeat the process for other wires one after the other. Do not de-solder all the wires first to avoid wrong connections
- iv) Inspect other card for proper soldering and verify for correct connection by card listing method followed by the shed.
- v) Refer to Technical Circular No. ERL/8 & EL/13 regarding precautions and inspections

3. Application to class of locomotive :

3.1 WAM4 and other electric locos provided with BCF7 chargers.

4. **Material required :** N I L

5. **Material rendered surplus :** N I L

6. **Reference :** N I L

7. **Modification Drawing :** RDSO SK. EL. 3153

8. **Agency for modification :**

8.1 Railways - All battery chargers type BCF-7 provided on electric locomotives

9. **Distribution :**

(As per list attached)

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Vijender Kumar

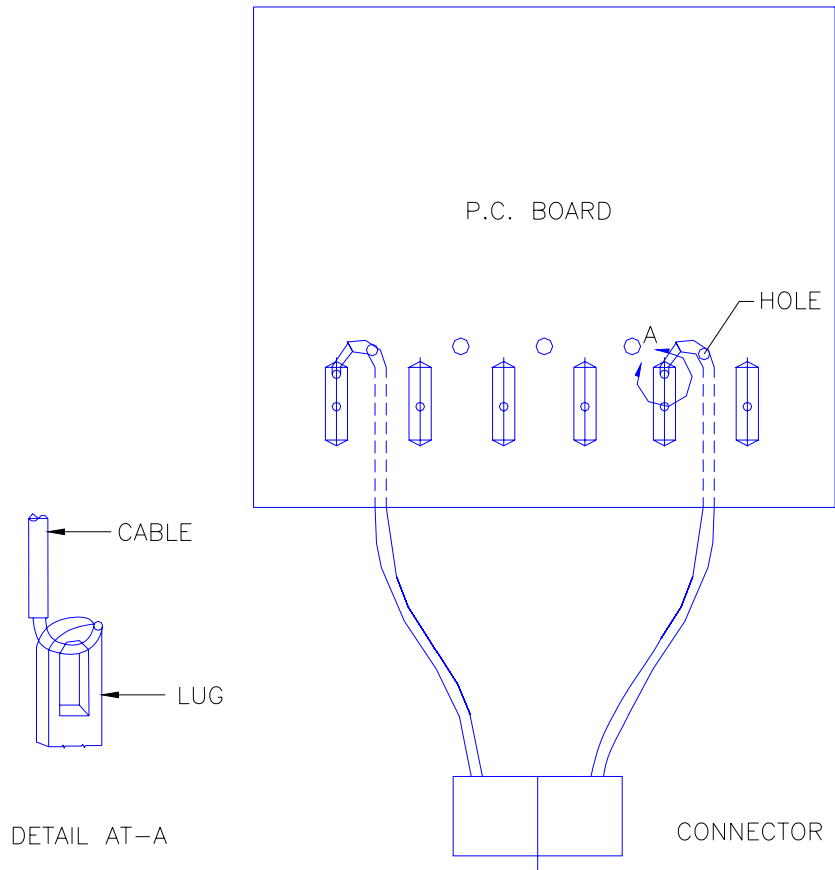
Enclosures :

1. Mailing list

2. Drawing SK. EL. 3153

S. Kumar
for Director General (Elect.)

SKEL-3153



REF :- MOD.NO.RDSO/WAM₄/87

SCALE:-

APPROVED:-

**METHOD OF CABLE CONNECTION
ON P.C. BOARD OF BATTERY CHARGERS**

RDSO.ELEC. DTE.

SKEL-3153

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