

Government of India
Ministry of Railways
Research Designs & standards Organisation
Manak Nagar, Lucknow 226011.

No. EL/3.2.12/EC2

Dated : July, 1979.

MODIFICATION SHEET NO. RDSO/WAM4/83

1. Object of modification :

1.1 Railway have reported a number of failures of BCF7 battery chargers mainly due to failures of various components such as resistors, capacitors, transistors etc. On investigations it has been found that high ambient temperature around the components inside the charger is one of the contributory causes. To reduce the ambient temperature of air inside the charger it is proposed to shift the bleeder resistance (R'5) to a location outside the charger.

1.2 This modification has been earlier carried out on BCF 6 battery chargers with satisfactory results.

2. Work to be carried out :

2.1 Shift bleeder resistor (R'5) presently mounted inside the battery charger to outside the charger and mount it on the side panel of the charger in the similar may as done on BCF6 chargers.

3. Application to class of locomotive :

3.1 Rail and other locomotives provided with BF7 battery charger.

4. **Material required :** Nil

5. **Material rendered surplus :** Nil

6. **Reference :** Nil

7. **Modification Drawing :** RDSO SK. EL. 3151

8. **Agency for modification :**
Railways - All locomotives provided with BCF7 battery chargers.

9. **Distribution :** As per list enclosed

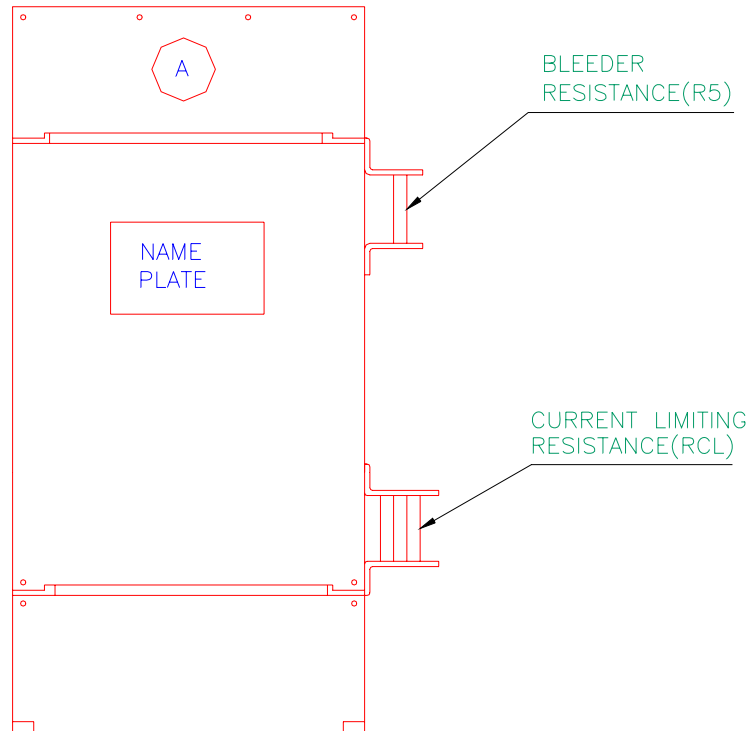
S. Kumar

(S. Kumar)

Encl : 1. Mailing list
2. SK. EL. 3151

for Director General/Elec

SKEL-3151



REF:- MOD.NO.RDSO/WAM4/83&84

SCALE:-NTS

APPROVED:-FOR D.G.

MOUNTING OF R'5 & RCL RESISTORS
OF BCF-7 BATTERY CHARGERS

RDSO ELEC. DTE

SKEL-3151

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