Ministry of Railways Research, Designs & Standards Organisation

No. EL/2.2.36

Lucknow, Dt. 30th June, 1979.

## Modification Sheet No. 'RDSQ/WAM-4/79

Replacement of existing 3.00 mm<sup>2</sup> CLW type 18, 19, and 20 cable sockets by new Sockets 16A, 19A and 20A.

## 1. Object of Modification:-

1.1 Some types of existing sockets do not have provision of for gripping of insulation of 3.00 mm cables and a number of cases of snapping of wires from the sockets were reported by Railways. Use of new sockets on C.118 contactor was recommended by CLW vide mofification No. CLW/WAM-4/44. Railways have reported that this type of spokets with insulation grip has given satisfactory service and is, therefore, recommended for all 3.00 mm cables for original fitment and replacements when sockets fail.

1.2 Priority may be given to those locations where failures are frequent due to higher levels of vibrations.

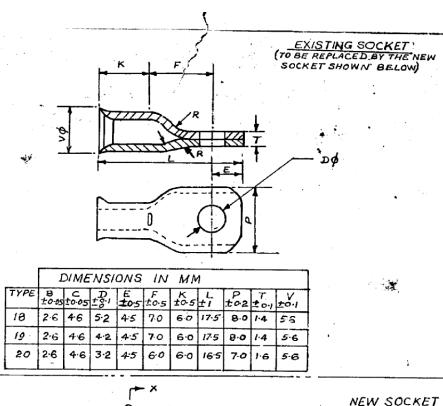
## 2. Work to be carried out:-

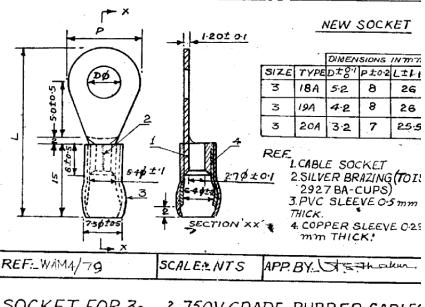
2.1 The new sockets and the matching tool shall be used to crimp the mocket on cable so that both conductor and insulation are properly gripped in the socket.

2.2 Test one percent of sockets crimped by pull-out test. The pull-out force shall not be less than 30 Kg. If the pull-out load is less than 30 KG the crimping tool may have to be replaced. The design of the socket may also be checked. Sockets tested in this manner should not be re-used.

- 3. Application to Class of Locomotives:-
- 3.1 All electric locomotives manufactured by CLW.
- 3.2 All imported electric locomotives using about 3.0mm<sup>2</sup> cable
- 4. Material required: Sockets in number as required.
- 5. Material rendered sumplus:- NIL
- 6. Reference: CLW Modification No. CLW/WAM-4/44
- Modification Drawing: RDSO SK. EL-3112
- 8. Agency for modifications:-
- 8.1 CLW for Locos under production.
- 8.2 All Railways for existing Locomotives.
- 9. Distribution:

Sd. xx xx xx,





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SOCKET FOR 3 mm² 750V GRADE RUBBER CABLES

R.D.S.O.ELECT. DTE.

SKEL-3112.