

~~GOVERNMENT OF INDIA~~
MINISTRY OF RAILWAYS
Research, Designs and Standards Organisation.

No: EL/3.1.3/E7.

Lucknow
August '77.

MODIFICATION SHEET NO: RDSO/WAM-4/53.

1. Title of Modification:-
Support for transformer oil pump assembly MPH.
2. Application to class of Locomotives:-
WAM-4 Locomotives.
Note: Applicable in principle to all electrical locomotives at similar locations.
3. Object of modification:-
There have been cases of oil pipe cracking at welded joints between MPH assembly and radiator (Delivery side) and transformer and MPH assembly (Suction side) due to MPH vibrations. In order to reduce the vibrations, it is proposed to secure the MPH assembly to MVRH blower fan casing as per drawing.
4. Modification Drawing No: RDSO SK --EL No: 2717.
5. Agency for modification:-
Railway: All existing Locomotives
Chittaranjan locomotive works: Locomotives under production.
6. a) Material required:-
As per RDSO drawing No: ~~SK~~ SK EL 2717
Material rendered surplus:- N I L.
7. Work to be carried out:-
Angle iron support bracket should be welded to the fan casing. The two studs should be welded to the support bracket as shown in the drawing. Two pair of nuts on either side should be tightened so as to clamp the MPH assembly tightly but without causing any strain on the MPH assembly support pipe. Lock plates should be bent over flats of nuts after tightening the nuts fully.
8. Remarks:- In view of this modification, provision of additional support to tap changer as per drawing No: SK EL 2617 advised vide item No: 1,2,3(i) of the minutes of the Eighth M.S.G (EL) is cancelled.

Sd/- S.Malaviya.
for Director General/Elec.



