

Government of India
Ministry of Railways
Research, Designs & Standards Organisation
Manak Nagar, Lucknow - 226 011

No. EL/3.1.3/E7

April, 1977

MODIFICATION SHEET NO. RDSO/WAM4/44

1. **Title of modification**
Modified fixing arrangement for the breather.
2. **Application to class of Loco**
WAM4 locomotives.
3. **Object of Modification**
As per existing arrangement the breather assembly is fastened to the conservator tank only by a pipe which also serves as air connection between breather and the conservator tank. There have been cases of cracking of the breather pipe due to vibrations. It is proposed to provide an additional support to the breather container in order to prevent failure due to vibrations.
4. **Modification Drawing No.**
RDSO SKEL-2649.
5. **Agency of modification**
By Railways - All existing WAM4 locomotives.
By Chittaranjan Locomotive Works - Locomotives under production.
6. **(a) Material required and specification**
As per RDSO Drawing No. SKEL-2649.
(b) Material rendered surplus
Nil
7. **Work to be carried out**
The oil in the conservator tank should be drained out. Two studs should be welded on the side of the conservator tank and the breather should be supported as shown in the drawings. The two pairs of nuts on either side should be tightened so as to clamp the breather tight but without causing any strain on the support casting.
8. **References**
RDSO investigations.

Sd/-
(B. S. SIDHU)
for Director neral/Elec.)

