

**Government of India
Ministry of Railways
Research Designs and Standards Organisation
Manak Nagar, Lucknow-226011**

Modification Sheet No. ELRS/MS/-0260

File No. EL/3.2.19

Dated : 23-6-99

- 1.0 **Title :** Removal of D-24B/D24B-M feed valve set at 8.0 kg/sq.cm. from pneumatic circuit of electric locomotives.
- 2.0 **Object :** To remove a redundant brake valve from pneumatic circuit of electric locomotives in order to improve reliability and reduce maintenance requirements.
- 3.0 **Work to be carried out :**
- 3.1 In existing locomotives:
- (i) Remove metal piston assembly from D24B valve and rubber diaphragm assembly in case of D24B-M valve.
 - (ii) Remove existing metal supply valve from D24B valve and rubber bonded supply valve in case of D24B-M valve.
 - (iii) Remove the existing metal regulating valve from D24B valve and rubber bonded regulating valve in case of D24B-M valve.
 - (iv) After carrying out activities as above in (I) to (iii), MR pressure to be connected at inlet port and pressure at outlet port to be checked simultaneously. Both should be equal. Leakages if any to be arrested.
- 3.2 In locomotives being repiped or being newly manufactured :
- MR pipeline connections to be modified for permanent removal of D24B or D24B-M valve.

3.3 RGCP setting :

RGCP setting to be changed as follows :

	<u>Cut in</u>	<u>Cut Out</u>
Existing	8.5 kg/sq.cm	10.0 kg/sq.cm
Modified	8.0 kg/sq.cm	9.5 kg/sq.cm

4.0 **Application to the class of locomotives.**

All A.C. electric locomotives.

5.0 **Material required:**

None

6.0 **Material rendered surplus**

Spares of D24B or D24B-M valve.

7.0 **Reference**

Trials conducted at electric loco shed, Ajni, Central Railway,

8.0 **Modification Drawing**


None

9.0 **Agency of Implementation**

All electric loco sheds, POH workshops and CLW,

10.0 **Distribution**

As per enclosed list.


(O.H. PANDE)
for DG/Elect.