

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

Ref.No.EL/2.2.1/J-6

Dated 31.07.1986

MODIFICATION SHEET NO. RDSO/WAM4/155

**PROVISION OF PANTO RAISING SPRING CATCHER
TO HOLD THE SPRING IN CASE OF BREAKAGE.**

1. OBJECT

Railways have reported a number of breakages of indigenous panto raising springs of AM-12 pantographs resulting in the live spring coming in contact with the loco roof. This leads to the tripping of the sub-station circuit breaker and consequent loco failure on line.

In order to avoid failures of loco on line and disruption of traffic due to OHE becoming dead, it is proposed to provide 2 sets of panto raising springs catchers (as shown in drawing) to prevent the spring in case of breakage, from falling on the loco roof.

2. WORK TO BE CARRIED OUT

Two numbers of M.S. bottom spring catcher arc tube fitted on the base frame of the pantograph with the help of nut and bolts arrangement. the details of the same is shown in the drawing No. SK. EL. 3996. Provide two numbers of M.S. top spring catcher above one of the bottom cathcer located towards the servomotor side securing with the same nut-bolt arrangement as indicated in the enclosed drawing.

3. APPLICATION

All AM-12 pantographs fitted with indigenous panto raising springs fitted on a.c.loco/a.c.EMUs.

4. MATERIAL REQUIRED

- Two numbers of M.S. Bottom catchers as per the enclosed drawing.
- Two numbers of M.S.Top catchers as per the enclosed drawing.

5. MATERIAL REQUIRED SURPLUS

NIL.

6. AGENCY OF IMPLEMENTATION

All ac locos/ac EMUS/sheds/shops

7. DISTRIBUTION

As per the enclosed list.



Encl: As above.

(S. S. Khurana)
For Director General/Elect.