

RDSO/LUCKNOW
Electrical Directorate

Note No. EL/ 3.2.21

Dated:2.11.1995.

SPECIAL MAINTENACE INSTRUCTION NO. RDSO/ELRS/SMI/179
CHECK POINTS DURING COMMISSIONING OF TRANSFORMER
FITTED WITH BSES BUSHINGS

1. OBJECT

Railways have reported a few cases of transformer failures. During investigation, it was observed that flash-over had occurred inside the current due to trapped air.

2. INSTRUCTIONS

During commissioning, check the following points,

- Ensure that turret is full of oil. During the filling of oil in the transformer, air release plug (1) provided on cable head turret be slightly made loose to release the trapped air inside the turret. Continue filling of oil in TFP until the small quantity of oil starts coming out through release plug. Leakage of oil through release plug indicates that the turret is completely filled with oil. Immediately tighten the air release plug.
- Ensure that oil does not spill elbow connector (2).
- Check the tightness of elbow support nuts(3).
- Check earthing connection (4) at elbow end and termination end.
- Check the tightness of all nuts and bolts.
- Check that there should not be any sparking while charging at any location on cable head termination.
- Check the tightness of fasteners provided to connect transformer lead with elbow connector, cable with elbow connector and all other electrical connections

3. REFERENCE

Nil.

4. PERIODICITY

During the charging of new assembly/replacement of cable head termination arrangement and during AOH.

5. INSTRUCTION DRAWING

RDSO Drg. No. SK. EL./4355.

6. APPLICATION

On ac locos fitted with cable head termination arrangements.

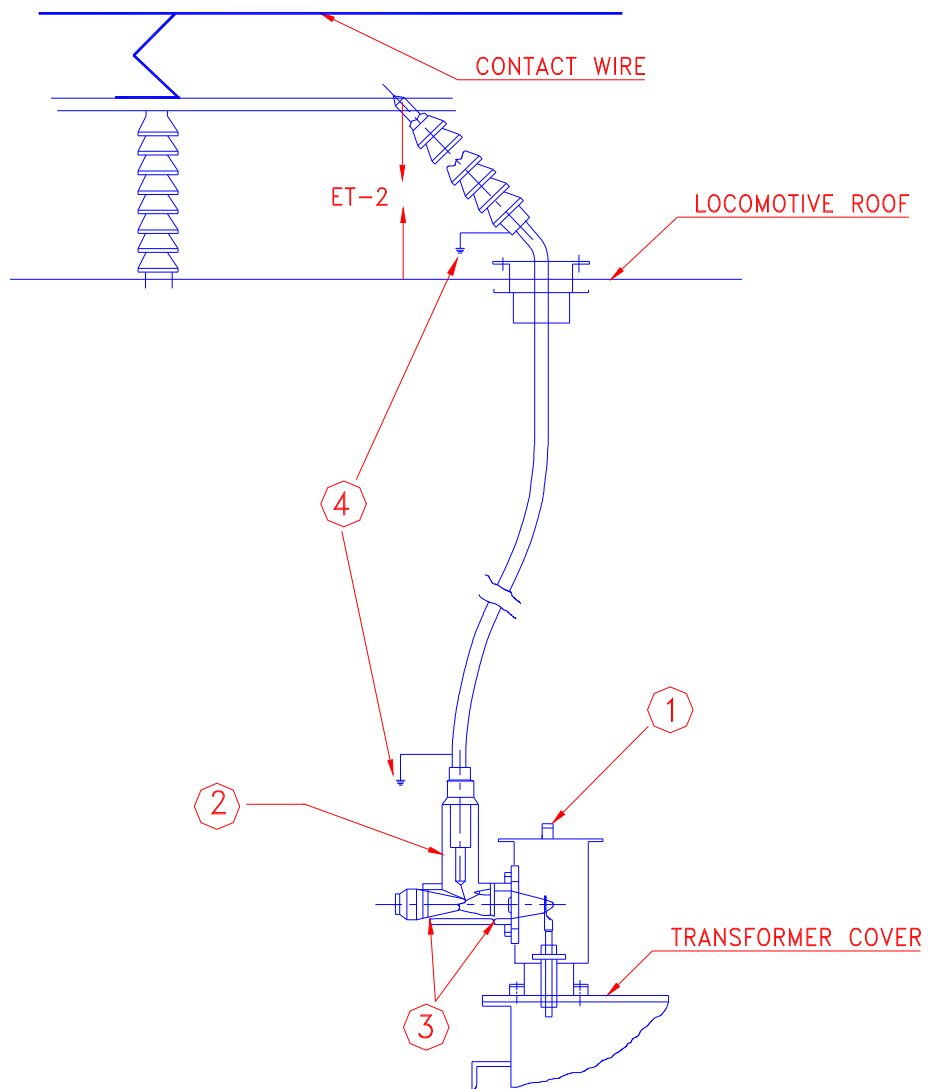
7. AGENCY OF IMPLEMENTATION

- Electric loco sheds and repair/POH shops of railways.
- CLW.

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(NASIM UDDIN)
for Director General (Elect).

Encl: Drg.No. SK. EL./ 4355



4	AIR RELEASE PLUG
3	ELBOW CONNECTOR
2	ELBOW SUPPORT NUTS
1	EARTHING CONNECTION
IT. NO.	DESCRIPTION

REF:-	SCALE:- NTS	APPROVED BY:-
CABLE HEAD TERMINATION SYSTEM FOR A-C LOCOMOTIVE		
RDSO. ELEC. DTE.	SKEL 4355	

Dt.	25.9.95
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