

INSTRUCTIONS

GEI-54010

15 KV AIR INSULATED REVERSIBLE JUNCTION BOX WITH REMOVABLE FRONT PLATE, SIDES AND COVER



15 KV air insulated junction boxes are constructed so as to be reversible and make possible cable entrance from either above or below. Cable entrance can be made using wiping sleeves, stuffing boxes, potheads or conduit fittings.

The boxes are assembled with bolted overlapping joints and are made weatherproof by the use of a gasket seal located between the back plate of the junction box and the tank wall. This gasket is to be cemented to the rear of the back plate as shown in Fig. 1. Gaskets may be used as long as they are in good condition, even if the seal is broken.

Ventilation is provided by means of a screened opening in the base plate and a $\frac{1}{8}$ " opening between the top cover and sides.

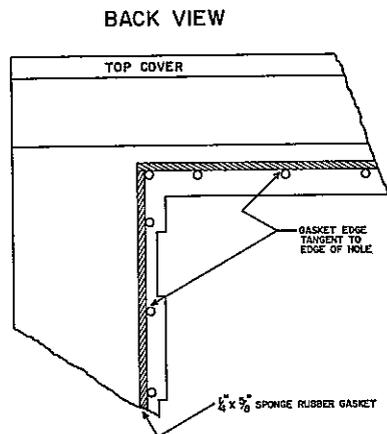


Fig. 1. Stick $\frac{1}{4}$ " x $\frac{5}{8}$ " sponge rubber gasket with General Electric cement A50P75 on back surface of back plate as shown.

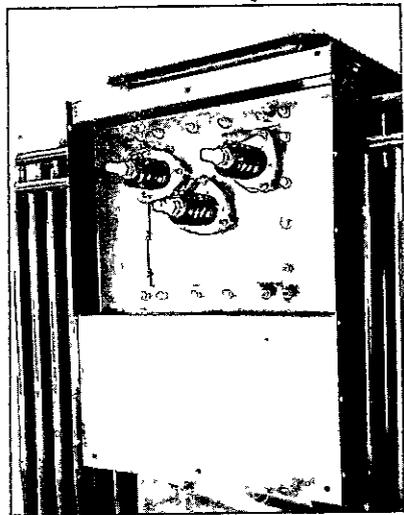


Fig. 2. Reversible junction box, bottom connected position, with front plate, base plate, top cover and sides removed.

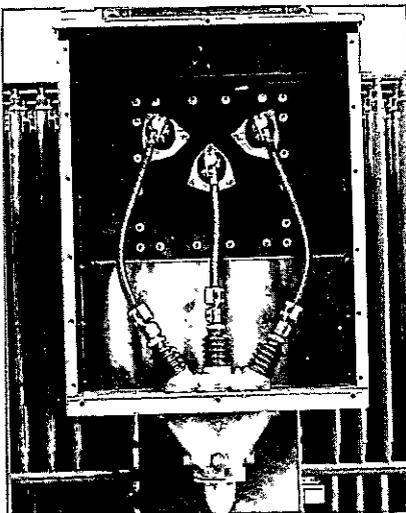


Fig. 3. Reversible junction box, bottom connected position, front plate removed, showing cable connections from below.

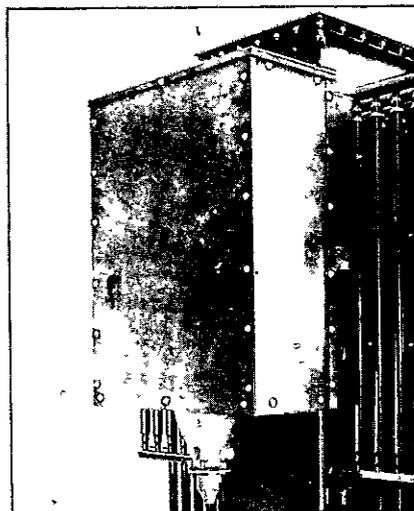


Fig. 4. Reversible junction box, complete, bottom connected position with pothead.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

GENERAL  ELECTRIC

GEI-54010 15KV Air Insulated Reversible Junction Box



Fig. 5. Reversible junction box, top connected position, with front plate base plate, top cover and sides removed.

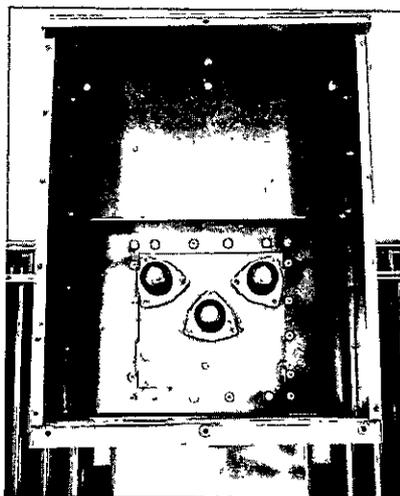


Fig. 6. Reversible junction box, top connected position, front cover removed.

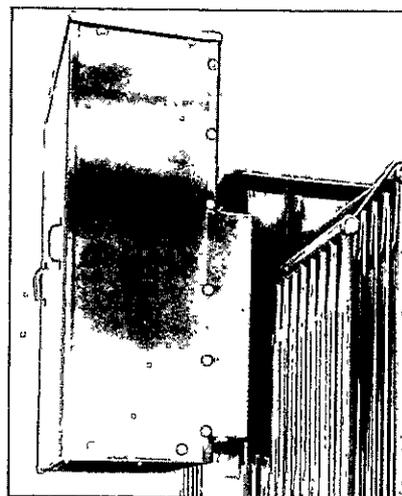


Fig. 7. Reversible junction box, complete, top connected position.

To make cable connections to pothead and between pothead and transformer bushings, unbolt and remove the front plate as shown in Fig. 3. During any cable assembly leave the mounting plate and pothead attached to insure proper location and alignment. If additional working space is needed the side walls and top cover may also be removed. Since the side walls act as the principal support for the junction box and cable assembly, it is necessary to provide additional support for the base plate, in order to maintain proper horizontal alignment if the side walls are removed. After all connections have been made, the sidewalls can be bolted in place, the braces removed, and the top cover and front plate assembled.

If it is desired to change the cable entrance from above to below or vice-versa, disassemble the junction box and detach the back plate from the tank wall. Check the condition of the gasket and cement back in place if necessary. Invert the back plate and bolt back to the tank wall. Bolt the side walls and front plate in place, but do not invert the front plate since it must remain in the same relative position, whether the junction box is bottom or top connected.

The top cover may be used as a mounting plate if the cable entrance is from above.

Note that if it is desired to move the transformer, the junction box may be removed with the pothead and cable intact.

POWER TRANSFORMER DEPARTMENT
GENERAL  **ELECTRIC**
PITTSFIELD, MASS.