



IDEAL ELECTRIC Co.

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Aftermarket Service Department

SERVICE BULLETIN

ADJUSTMENT PROCEDURE FOR RXCITER FRAME BRACES

The exciter bracing used on four pole units is intended to stabilize the mounting only, providing additional support and stiffness AFTER an air gap is established. As a result the following steps are recommended to install the braces -

1. BEFORE brace installation, check exciter air gap for proper clearance. Variation should be within 10%.
2. Install the braces, preferably with all the same (RH or LH) threads pointing in the same direction (towards the exciter or towards the machine)
3. Adjust the braces so there is little or no tension or compression in the brace; turn by hand and judge at what point this is achieved; note which way the braces must turn to place them in tension, i.e., which direction will draw the two ends together
4. Tighten the left side brace by hand (no tools, just gripping the brace and turning), and no more than 1/2 turn
5. Repeat for the right brace; recheck the air gap to make sure it is still within tolerance
6. Tighten the top (or bottom) brace, by hand (no tools) as tight as possible; check the air gap
7. Go back to the left brace and tighten 1/4 turn; do the same for the right brace, again checking the air gap and adjusting the braces as required to make it within tolerance.

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