

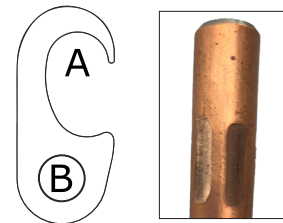
HARGROUND

Inspection Guide

Pre-Connection Preparation

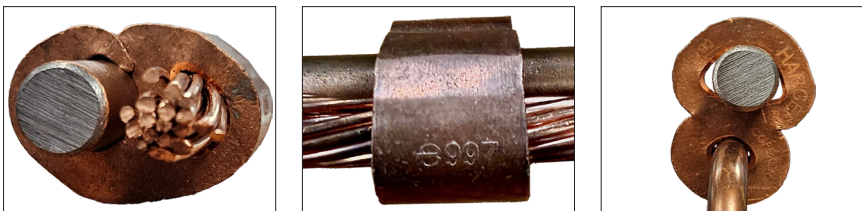
- Conductors / ground rods are clean, and free of contaminants
- Reinforcing steel is clean and has rust and coatings removed
- Size range on connector matches components to be connected
- Die selected matches die listed on connector
- Ensure proper 12-ton compression tool is being used
- All ground rods are pre-crimped
- Components A & B are positioned correctly in connector (example shown below)

Part No.	Run (A)	Tap (B)	Die Index	No. of Crimps
CGCR2504	1/0 Str. - 250 MCM 1/2" - 5/8" Rod #3 - #4 Reinforcing Steel	#4 Sol. - #2 Str.	U997	1
CGCR2501/0	1/0 Str. - 250 MCM 1/2" - 5/8" Rod #3 - #4 Reinforcing Steel	1/0 Str. - 2/0 Str.	U997	1



Post-Connection Inspection

- Conductor strands were not severed during crimping
- Connector has fully closed over the elements being connected
- Components are secure in the connector
- Die stamp is clearly visible on connector



General Guidelines

- Any time a connection's quality is in question, a second connector can be installed to ensure proper bonding
- Stranded conductors may lose their tight stranding during compression with no adverse impact on the connection quality
- Gaps similar to the above image after compression are acceptable as long as component selection and preparation/Installation instructions were correctly followed
- If the connection was made following the guidelines above, no additional mechanical or electrical testing is required. Performance was verified in the electrical and mechanical testing portion of Harger's listing to UL 467

Common Issues



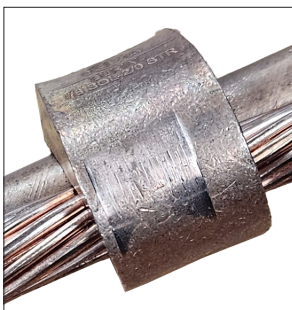
Issue: Incorrect (smaller) connector
Result: Incomplete closure



Issue: Incorrect (larger) connector
Result: Incomplete/poor compression on smaller conductor



Issue: Components positioned on incorrect sides of connector
Result: Incomplete closure, poor component contact



Issue: Incorrect (smaller) die
Results: Incomplete compression across connector, incomplete closure, incomplete (or missing) die stamp