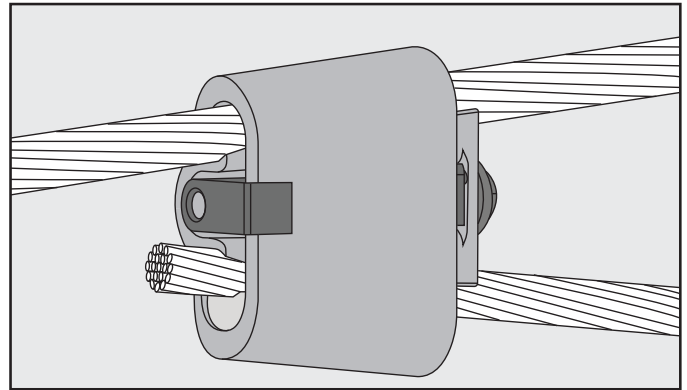




INSTALLATION INSTRUCTIONS

EPP-3823-1/24
Revision C

AMPACT BAT Connector (BOLT ACTUATED TAP)



TE's Connectors and Fittings

Safety Instructions

⚠ DANGER

When installing electrical power system accessories, failure to follow applicable personal safety requirements and written installation instructions could result in fire or explosion and serious or fatal injuries.

⚠ DANGER

As TE Connectivity (TE) has no control over field conditions which influence product installation, it is understood that the user must take this into account and apply his own experience and expertise when installing product.

⚠ DANGER

Working around energized high-voltage systems may cause serious injury or death. Installation should be performed by personnel familiar with good safety practice in handling high-voltage electrical equipment. De-energize and ground all electrical systems before installing product.

⚠ DANGER

Power distribution and transmission products must be properly selected for the intended application. It must be installed and serviced by competent personnel who have been trained and understand proper safety procedures. These instructions are written for such personnel and are not a substitute for adequate training and experience in safety procedures.

⚠ CAUTION

Read and understand the contents of these instructions before installation and follow all locally approved procedures and safety practices before installing or operating this equipment.

⚠ CAUTION

These instructions cannot cover all details or variations in the equipment, procedures, or processes described, nor provide directions for meeting every possible contingency during installation, operation, or maintenance. When additional information is desired to satisfy a problem not covered sufficiently for the user's purpose, please contact your TE sales representative. These instructions are not intended to supersede or replace existing safety and operating procedures.

NOTICE

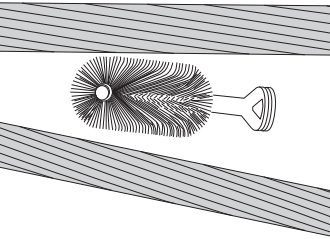
Upon receipt of a product, inspect it thoroughly for damage and loss of parts incurred during shipment. If damage or loss is discovered, file a claim with the carrier immediately or contact your TE representative.

The Information contained in these installation instructions is for use only by installers trained to make electrical power installations and is intended to describe the correct method of installation for this product. However, TE Connectivity (TE) has no control over the field conditions which influence product installation. It is the user's responsibility to determine the suitability of the installation method in the user's field conditions. TE's only obligations are those in TE's standard Conditions of Sale for this product and in no case will TE be liable for any other incidental, indirect or consequential damages arising from the use or misuse of the products.

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Installing AMPACT BAT Connector (BOLT ACTUATED TAP) Assembly to Main & Tap Conductors

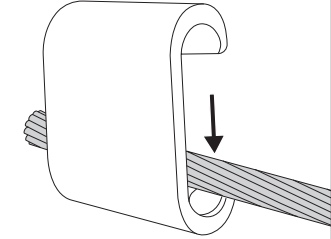
1



Wire brush main and Tap Conductor.

Ensure conductors are free of oxidation and / or contaminants before installation.

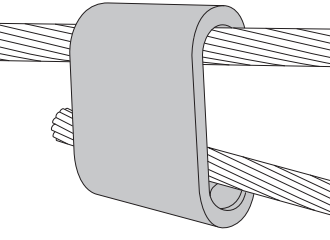
2



Place Tap Conductor in C-Body.

NOTE
Insert should remain in groove of C-body if required for conductor combination. Some connectors do not utilize an insert.

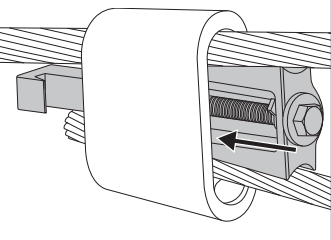
3



Place C-Body with Tap Conductor onto Main Conductor.

NOTE
Ensure Tap Conductor is centered in C-Body/Insert.

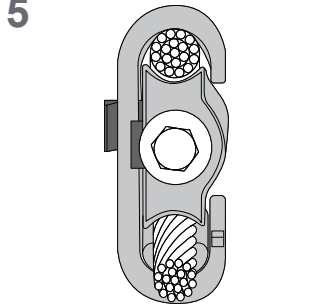
4



Insert wedge with hardware assembly between conductors. Bracket and bolt may need to be backed out partially to allow for clearance.

Do not fully back out bolt from bracket.

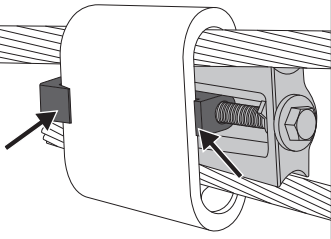
5



Ensure Main and Tap Conductors are centered in wedge grooves.

Push or strike wedge assembly to ensure hold and hands free condition.

6

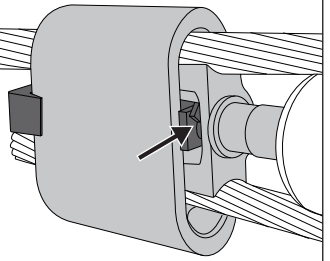


Using impact wrench, drive the bolt to pull back bracket.

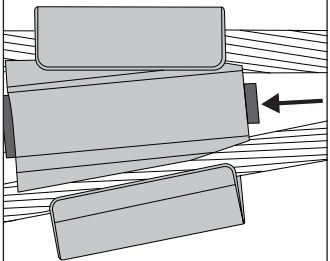
Ensure bracket hook and tabs lock into place around edges of the C-Body.

NOTE
Recommended minimum Impact Wrench torque rating of 150 ft-lbs / 200 Nm.

7



8



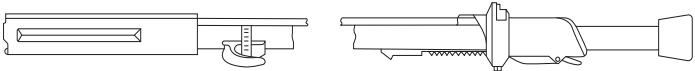
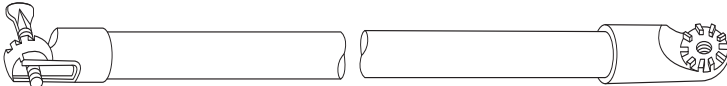
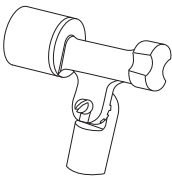
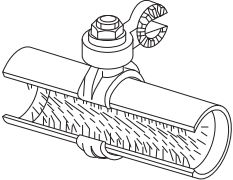
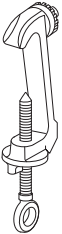
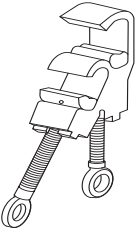
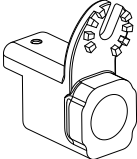
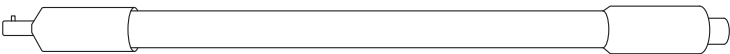
Drive the bolt to fully install the wedge. Connector installation is complete when Q washer is secured/immobilized between wedge and bracket. (See figure 7)

Narrow face of wedge aligns with bracket scribe-line on rear of connector as additional visual indication of completed connection. (See figure 8)

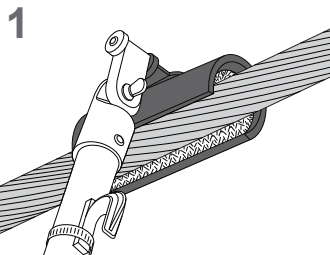
NOTE
Impact Socket Size:
Small (4/0 Series)- 1/2in (13mm)
Medium (556 Series)- 9/16in (14mm)
Large (795 Series)- 3/4in (19mm)

Installing AMPACT BAT Connector (BOLT ACTUATED TAP) Assembly to Main & Tap Conductors Using Hot Stick

Suggested Tools

S. N.	Part Description	Product Images	Qty.
1.	Shotgun stick		1
2.	Universal hot stick		1
3.	AMPACT hammer PN: 69674		1
4.	Wire brush with universal fitting		1
5.	"C" holder PN: 306350-2		1
6.	Piggyback clamp PN: 69816 (4/0 & 556 Series) PN: 69883 (795 Series)		1
7.	Wedge holder Small (4/0 Series) PN: 2480674-1 Medium (556 Series) PN: 2401416-1 Large (795 Series) PN: 2401815-1		1
8.	Impact wrench extension		1

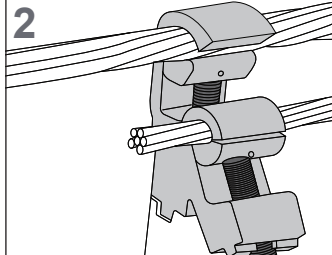
1



Wire brush Main and Tap conductor with brush attachment on hot stick.

Ensure conductors are free of oxidation and / or contaminants before installation.

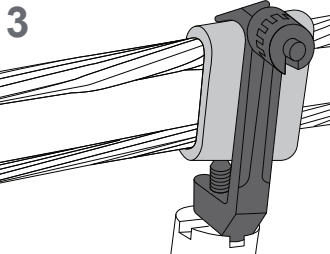
2



Secure Tap conductor in lower section of piggyback clamp by tightening eye bolt.

Using shotgun stick, hook upper section of piggyback clamp over the Main conductor and tighten eye bolt to secure in place.

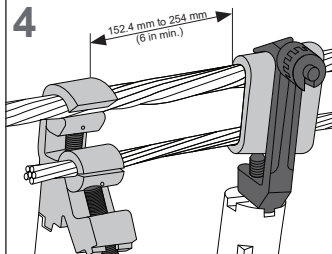
3



Secure C-body into C-holder attachment by tightening eye bolt.

NOTE
Insert should remain in groove of C-body if required for conductor combination. Some connectors do not utilize an insert.

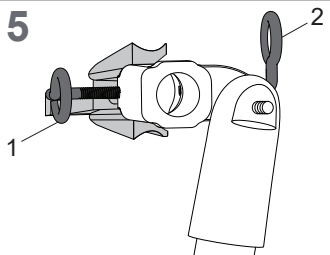
4



Hook C-body with C-holder over the Main and Tap conductor leaving 6" min. from piggyback clamp.

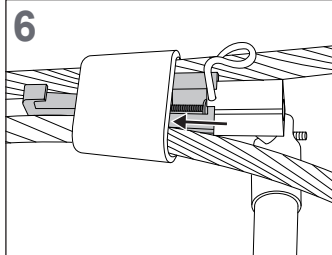
NOTE
Ensure Tap Conductor is centered in C-Body/Insert.

5



Secure wedge with hardware assembly in wedge holder by firmly tightening locking screw 1 first, then firmly tighten locking screw 2.

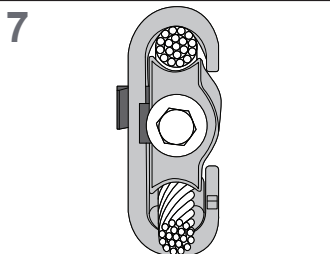
6



Insert assembly between conductors using universal hot stick. Bracket and bolt may need to be backed out partially to allow for clearance.

Do not fully back out bolt from bracket.

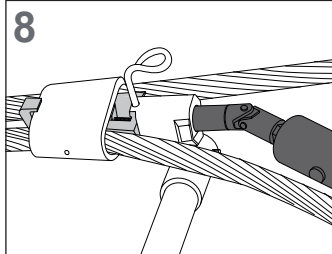
7



Ensure Main and Tap Conductors are centered in wedge grooves.

Strike wedge assembly using hammer attachment to ensure hold and hands free condition.

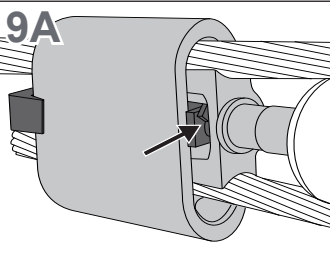
8



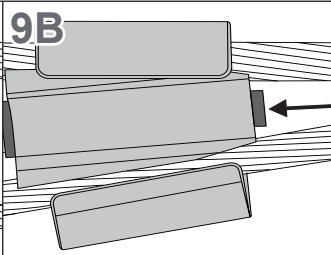
Using appropriate hot stick tool with deep impact socket, insert socket into back of wedge holder to engage bolt head. Drive the bolt using impact wrench to pull back bracket. Ensure bracket hook and tabs lock into place around edges of the C-Body.

NOTE
Recommended minimum Impact Wrench torque rating of 150 ft-lbs / 200 Nm.

9A



9B

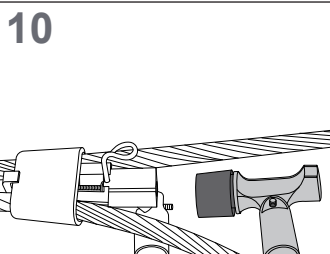


Drive the bolt to fully install the wedge. Connector installation is complete when Q washer is secured/immobilized between Wedge and Bracket. (See figure 9A).

Narrow face of wedge aligns with bracket scribeline on rear of connector as additional visual indication of completed connection. (See figure 9B).

NOTE
Impact Socket Size:
Small (4/0 Series)- 1/2in (13mm)
Medium (556 Series)- 9/16in (14mm)
Large (795 Series)- 3/4in (19mm)

10



Use rubber end of hammer to loosen the screws and remove wedge holder, leaving wedge in position.

Remove piggyback clamp.

For more information: te.com/energy

TE Connectivity
8000 Purfoy Road
Fuquay-Varina, NC 27526 USA
Tel: (+1) 800-327-6996

Please dispose of all waste according to environmental regulations.

