

Jack Jumper® Cutout Bypass Tool



USJJ-005
38kV Cutout Bypass Tool
15kV SMD-20 Power Fuse Bypass Tool
17kV S4CMU Eaton CMU Fuse Bypass Tool



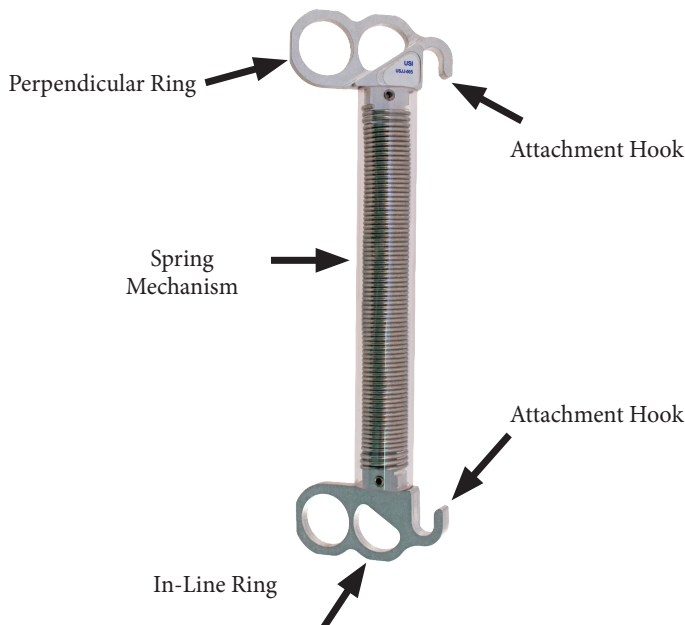
Product Description

The Jack Jumper® Cutout Bypass Tool permits a safe and quick method to bypass an overhead cutout without the tedious use of bulky jumper cables. The tool is indispensable for fuse coordination tasks and permits easy bypass of an underground dip. The Jack Jumper® Cutout Bypass Tool saves time and money, eliminates risk of service interruption and prevents accidental cross phasing.

The primary purpose of the Jack Jumper® Cutout Bypass Tool is to temporarily bypass a cutout fuse door during fuse coordination. The Jack Jumper® Cutout Bypass Tool is rated at 100 Amps continuous AC current without exceeding a 40°C temperature rise. It is used to bypass cutouts on both overhead lines and underground taps.

The USJJ-005 can be used in parallel on SMD-20 and S4CMU Power Fuse cutouts. For 200 Ampere applications attach the Jack Jumper® Cutout Bypass Tool on each side. Parallel operation limited to only Power Fuse cutouts and cannot be utilized for standard cutouts.

Installation and removal of the Jack Jumper® Cutout Bypass Tool is done with a shotgun stick.



⚠ DANGER ⚠

Contact with high voltage will cause death or grievous personal injury to the operator. Only use this device in conjunction with safe operating practices around energized lines and equipment.

⚠ WARNING ⚠

Carefully read and fully understand the INSTRUCTION MANUAL prior to operating, maintaining or testing this device. Improper operation, handling or maintenance of this device can result in death, grievous personal injury and or equipment damage.

⚠ WARNING ⚠

Follow safe work procedures and practices when utilizing this device. Failure to use this device in a safe manner can result in death, grievous personal injury and or equipment damage.

⚠ WARNING ⚠

These instructions are not intended to replace or be a substitute for proper safety training procedures. Failure to select the proper tool in regards to minimum system requirements can result in death, grievous personal injury and or equipment damage.

⚠ WARNING ⚠

Never install or remove a Jack Jumper® Cutout Bypass Tool on an open cutout.

⚠ WARNING ⚠

Only trained and qualified personnel should operate, inspect and maintain this device.

⚠ WARNING ⚠

Only install the Jack Jumper® Cutout Bypass Tool with the use of an insulated shotgun stick. When attaching or detaching the Jack Jumper® Cutout Bypass Tool do not use abrupt or rough movements, be gentle and do not hurry.

⚠ WARNING ⚠

If you are servicing a fuse, replace the fuse as quickly as possible. The fuse is a protective device. The Jack Jumper® Cutout Bypass Tool **DOES NOT FUNCTION AS A FUSE**. If you must leave the area, replace any fuses and remove the Jack Jumper® Cutout Bypass Tool. **It is not a fuse replacement or permanent by-pass mechanism.**

Safety Procedures

Follow all basic and necessary procedures to secure the electrical site before beginning work. Follow all existing codes, requirements and instructions for all equipment used in conjunction with the Jack Jumper® Cutout Bypass Tool. Inspect the cutout carefully for damage or corrosion. Use standard electrical procedures to clean the connection points prior to utilizing the Jack Jumper® Cutout Bypass Tool.

Inspect the porcelain for any damage or cracks. If either condition is found, do not use the Jack Jumper® Cutout Bypass Tool.

Trouble Shooting

If the Jack Jumper® Cutout Bypass Tool appears to be malfunctioning do not attempt to repair it. Immediately remove it from service, tag it as defective, note the specific problem, and return it to Utility Solutions for inspection. Any disassembly will invalidate any and all product guarantees, claims and warranties.

Inspection

The Jack Jumper® Cutout Bypass Tool should be stretched slightly and visually inspected prior to utilization to ensure that the copper coil is not frayed or separated. If fraying or separation of the copper coil has occurred do not utilize the tool.

Installation

1. Do not install the Jack Jumper® Cutout Bypass Tool on an open cutout.
2. Using an appropriately rated and approved insulated shotgun stick, attach and lock the in-line ring of the Jack Jumper® Cutout Bypass Tool so it extends straight out from the stick.
3. Attach the upper attachment hook:
 - **38kV Model** - attaches on an arcing horn between the fuse door and the insulator. This can be done on either side of the cutout (Figure A)
 - **15kV SMD-20 Power Fuse Model / 17kV S4CMU Power Fuse Cutouts** - attaches to the upper fuse door (Figure B). For 200 Ampere applications attach a Jack Jumper® Cutout Bypass Tool on each side (**Power Fuse cutouts only! Other models CANNOT accommodate parallel Jack Jumpers® Cutout Bypass Tool**).
4. Pull down to install the lower attachment hook on the fuse door hinge (Figure C).
5. Be sure the Jack Jumper® Cutout Bypass Tool is secure and will not interfere with removal of the fuse door.
6. Release the Jack Jumper® Cutout Bypass Tool from the shotgun stick. The fuse door may now be opened temporarily as necessary.

Removal and Storage

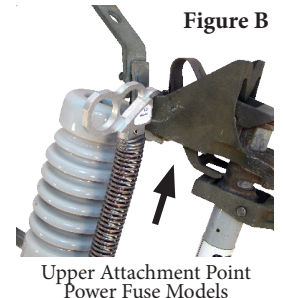
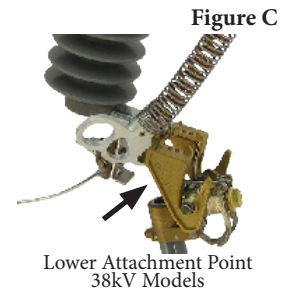
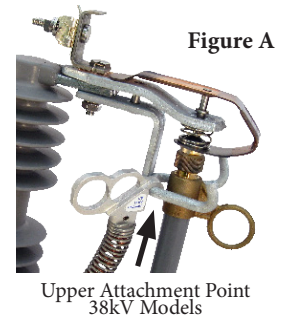
1. Do not remove the Jack Jumper® Cutout Bypass Tool from an open cutout.
2. Attach and lock the lower in-line ring of the Jack Jumper® Cutout Bypass Tool to a shotgun stick.
3. Pull down to remove the lower attachment hook (Figure C).
4. Carefully release the upper attachment hook (Figure A or B) to remove the Jack Jumper® Cutout Bypass Tool. Maintain proper distance from any adjacent energized equipment.
5. It is recommend to store the Jack Jumper® Cutout Bypass Tool in a soft case.

Maintenance

The Jack Jumper® Cutout Bypass Tool is designed to withstand usual operational usage. Proper care and handling will increase the longevity of service. Periodically inspect the Jack Jumper® Cutout Bypass Tool for corrosion and copper coil fraying/separation. The Jack Jumper® Cutout Bypass Tool is sold as a complete unit. Any maintenance, disassembly or misuse voids any and all warranties, guarantees, or liability.

Warranty

Utility Solutions warrants the Jack Jumper® Cutout Bypass Tool for any defects in manufacturing for the period of one year. If the tool is returned within that time period, Utility Solutions will replace the tool free of charge. No warranty is made if spring is overextended.



WARNING

Do not attach the USJJ-005 Jack Jumper® Cutout Bypass Tool to the Arcing Horns on Power Fuse Cutouts, this is different from a standard porcelain cutout.