

Technical Bulletin

400 Series Arm

Coaxial Cable Replacement Procedure



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Coaxial Cable Replacement Procedure for 400 Series Arm

This procedure should be used to replace the coaxial cable in 400 Series Arms in the field. Please read the entire document before performing this procedure.

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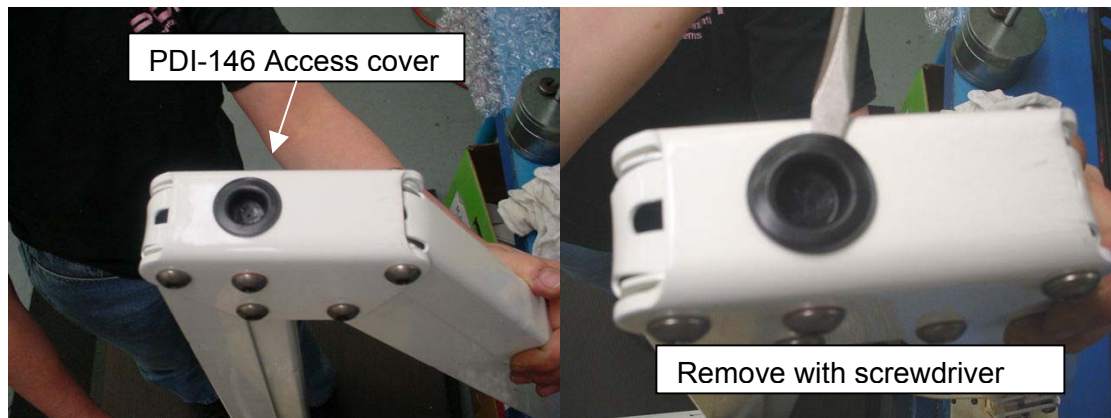
- **Tools needed:** 2 7/16 socket drivers, 1 set of cable cutters, flathead screwdriver, 1/8" T-wrench, needle nose pliers, cable crimper, cable stripper, wire cutters, 7/32 hex bit, torque wrench, 271 red Loc-tite, and the replacement cable, connectors, and boots.



CAUTION: Do not attempt to modify this product in any way without written authorization from PDI. Unauthorized modifications will not only void the warranty, but may lead to your being liable for any resulting property damage or user injury.

Procedure

- Re-install PDI-148 safety pin before removing the TV or Monitor
- Remove TV or Monitor before doing the wire replacement
- After TV or Monitor is removed use the screwdriver to remove PDI-146 access cover



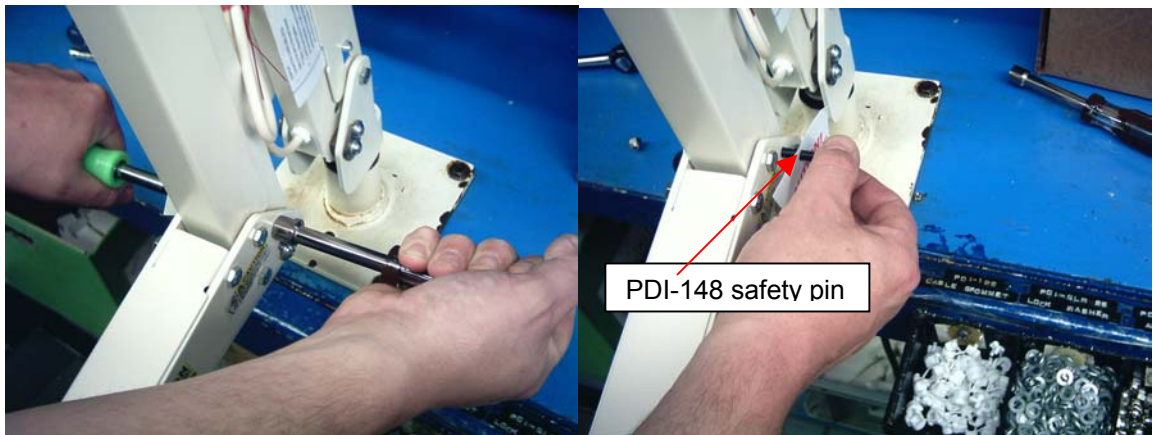
- Remove PDI-122 cable grommet
- Use screwdriver to the push grommet out of the arm section as you pull the cable



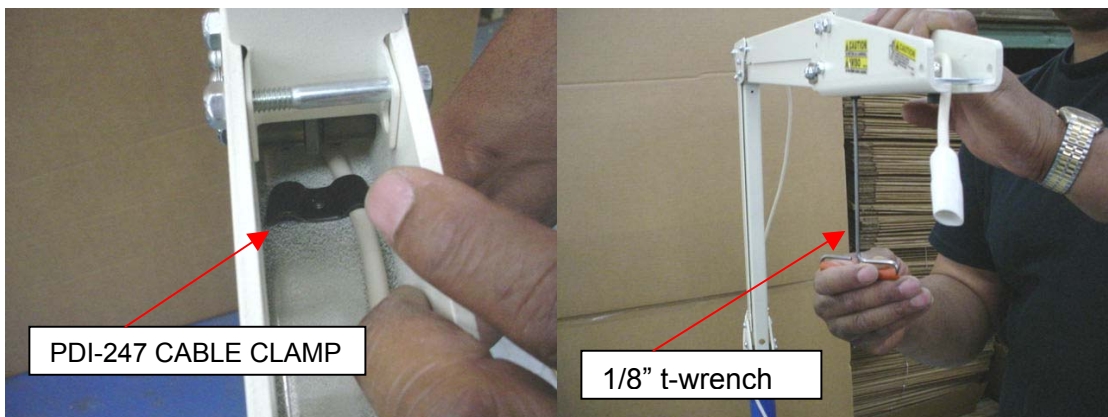
- Cut off the connector and pull the damaged cable through the back of the arm.



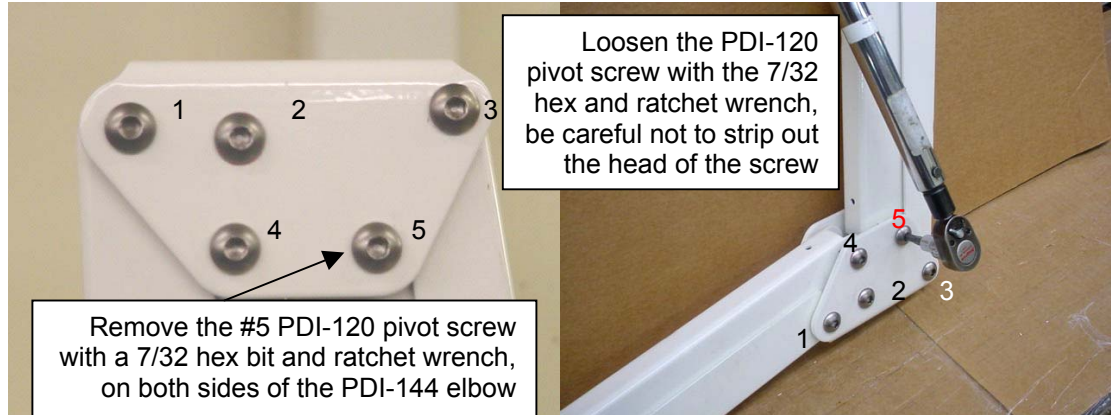
- Remove PDI-148 Safety Pin from the locked position
- Use the 7/16 nut drivers to remove the safety pin



- Move the arm into the up position, remove the PDI-247 cable clamp in the nose with the 1/8" T-wrench., turn t-wrench counter clockwise to loosen.



- Next remove PDI-120 Pivot screw (#5 position) with 7/32 hex bit and torque wrench.
- Loosen the PDI-120 pivot screws with the arm in the open up position, do not remove



- Next lay the arm on the bench and remove the screws



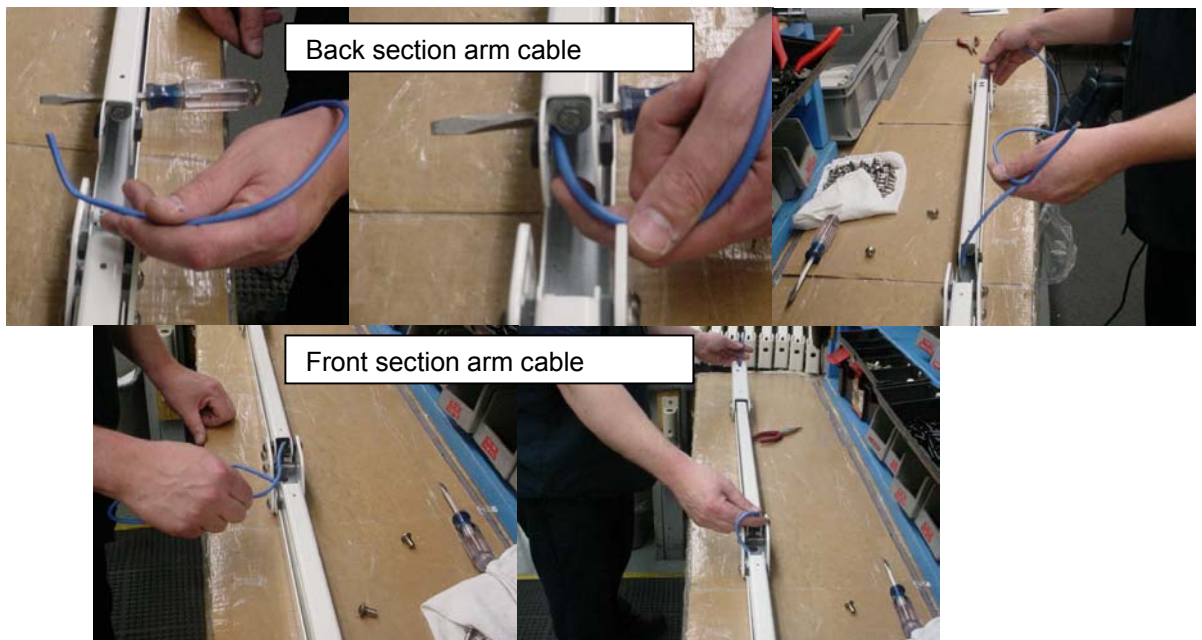
- Next lay the back section down and pull out the damaged cable.



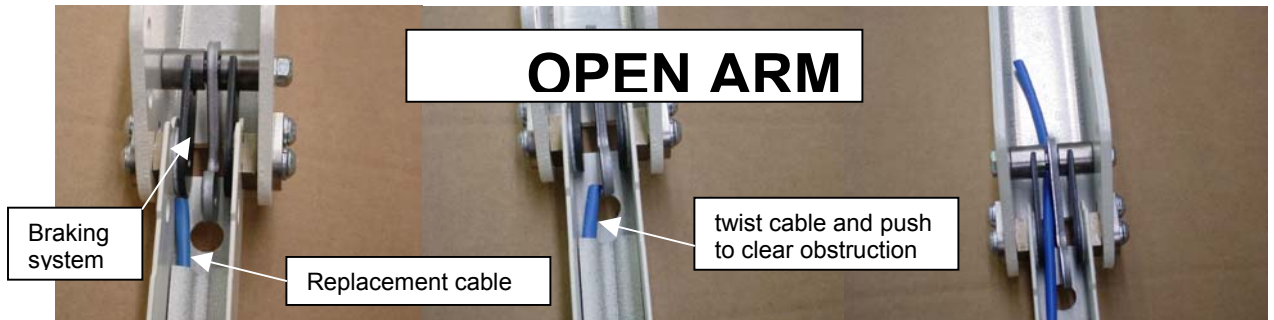
- After cable is completely out of the back section, pull it out of the front section



- Install the new cable pushing it through from the elbow to the base and then the nose
- Separate the arm sections with the screwdriver, then bend the cable and insert it into the cable shield under the spring attach bar, push through to the base.



- Cable Obstruction Note: Push cable through the wire-shield, when there is a cable obstruction at the braking system, Push down slightly on the nose and twist and push cable until the cable goes past.(see open arm illustration)



- Insert other end of cable into wire-shield of the rear arm section at the elbow, push through to the base. If the cable stops before coming through see cable obstruction note.
- Re-apply PDI-247 cable clamp inside the nose over the cable, make your cable length about 2 inches past the end of the nose.



- Re-assemble back arm section with PDI-120 pivot screws, and apply a drop of red 271 loc-tite to the threads of each screw. Torque each screw to 17-1/2 foot lb.s



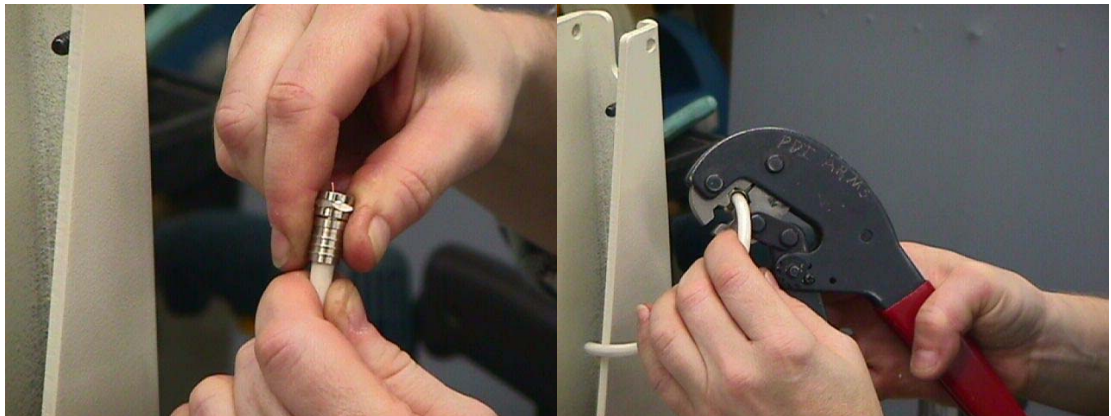
- Fold arm and return the PDI-148 safety pin to the locked position
- Replace the cable grommet at the base of the arm



- Put on the cable boots then strip cable



- Install connectors then use the crimpier to secure the connectors



- Use continuity tester to check connections. When the connections check out the cable replacement is complete.

For More Information

If you have questions, please contact PDI's Engineering department at 937-743-6010