

## **Technical Bulletin**

# **500 Series Arm**

## **Coaxial Cable Replacement Procedure**



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## Coaxial Cable Replacement Procedure for 500 Series Arm

This procedure should be used to replace the coaxial cable in 500 Series Arms in the field. Please read the entire document before performing this procedure.

PDI claims proprietary right to the material disclosed herein. This manual and associated drawings are issued in confidence for engineering information only and may not be used to manufacture anything shown herein without permission from PDI to the user.

- **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, and the replacement cable, connectors, and boots

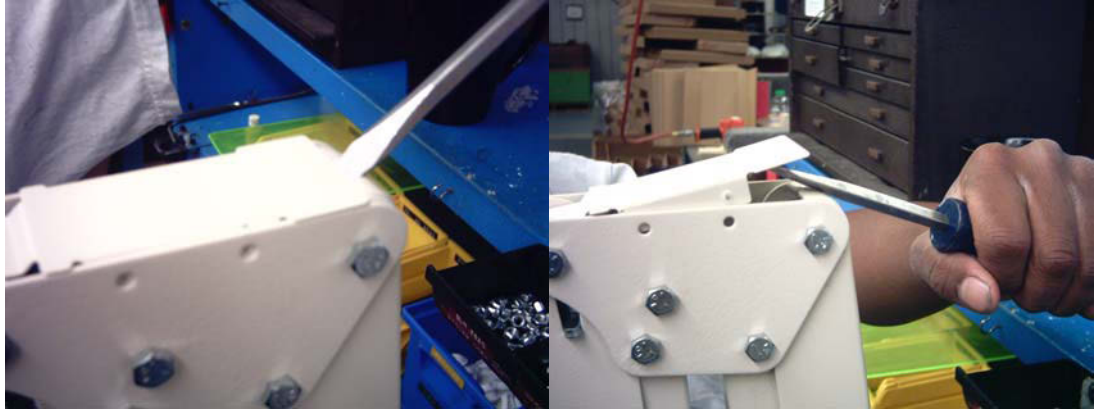


**CAUTION:** Do not attempt to modify this product in any way without written authorization from PDI. Unauthorized modifications will not only void the warranty, but may lead to your being liable for any resulting property damage or user injury.



## Procedure

- Use the screwdriver to remove PDI-525 Elbow cover



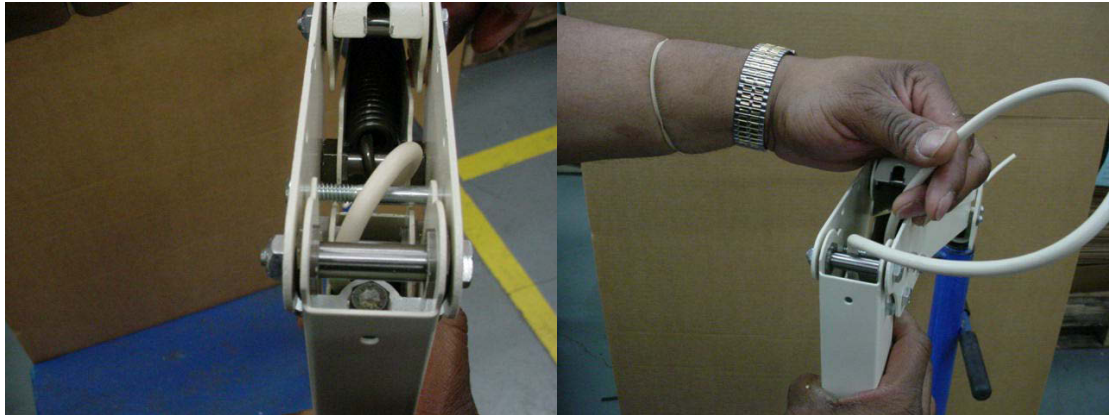
- Remove PDI-122 cable grommet
- Use the screwdriver to push the grommet out of the back arm section



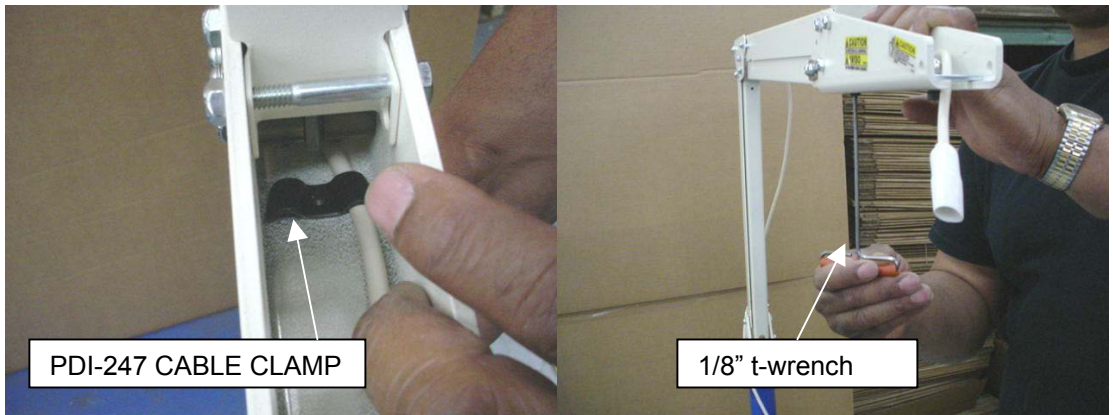
- Cut off the connector and pull the damaged cable through the back of the arm.



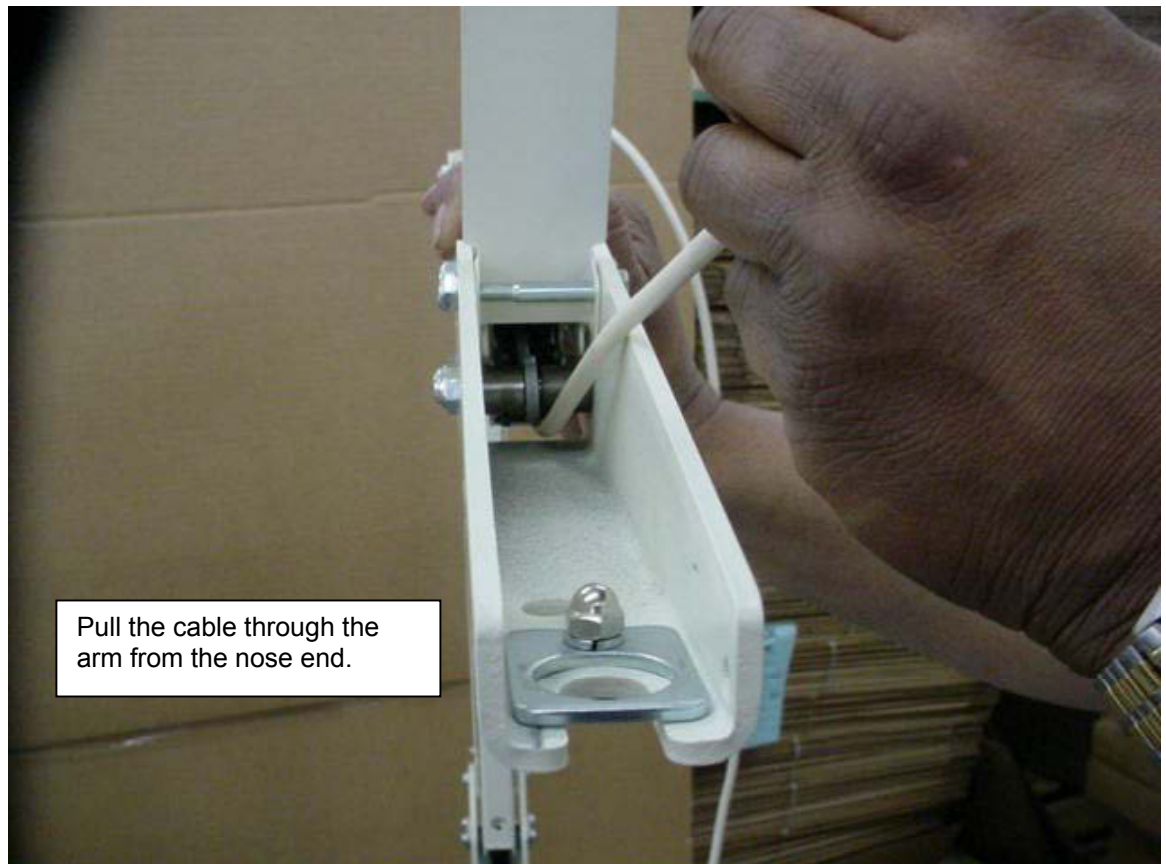
- Pull the cable through the elbow section.



- Next remove the PDI-247 cable clamp in the nose with the 1/8" T-wrench



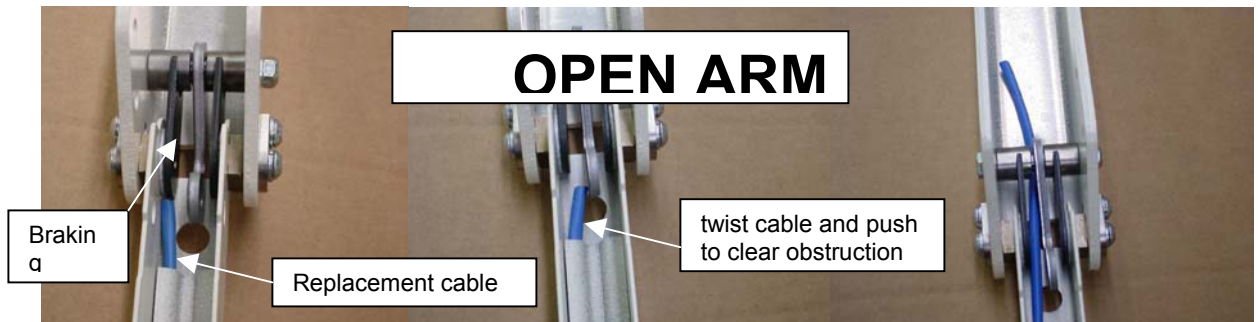
- After removing the PDI-247 cable clamp remove the damaged cable.



- Insert replacement cable into the wire-shield in the front arm section at the elbow, push toward nose. If the cable stops before coming through see cable obstruction note.



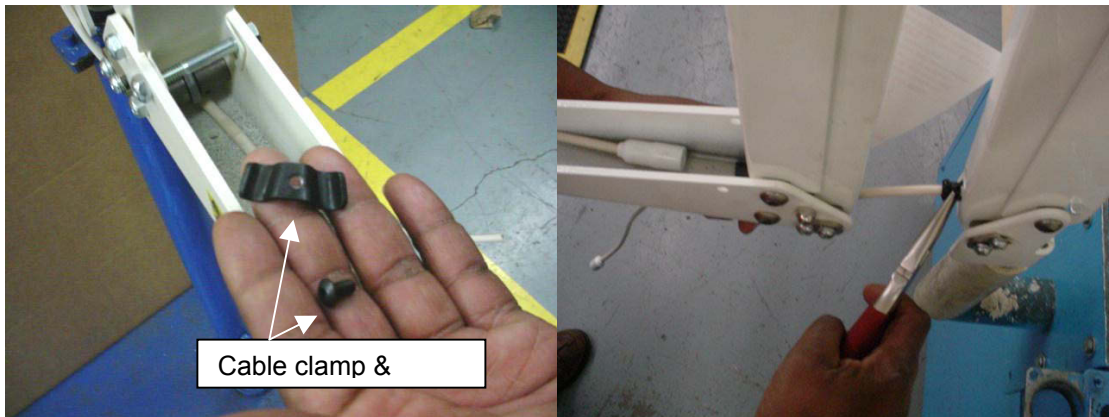
- Cable Obstruction Note: Push cable through the wire-shield, when there is a cable obstruction at the braking system, Push down slightly on the nose and twist and push cable until the cable goes past.(see open arm illustration )



- 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.



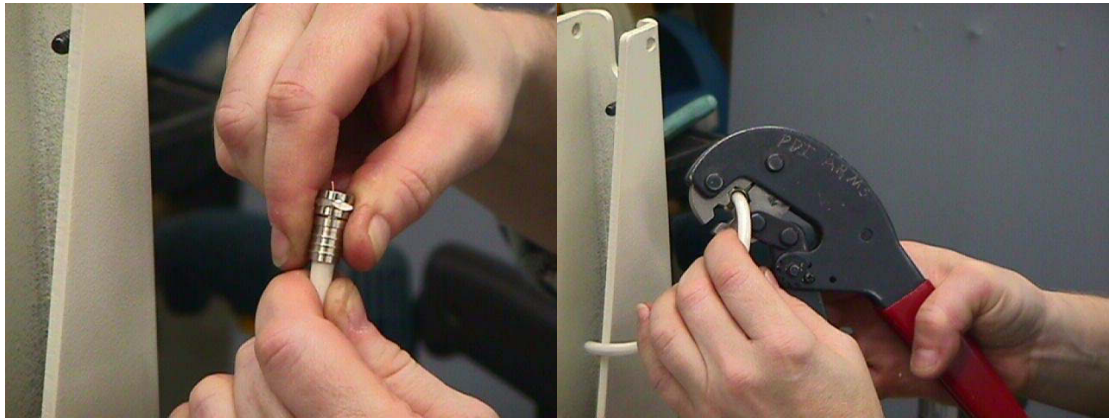
- Replace PDI-247 cable clamp in the nose and the cable grommet at the base of the arm



- 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 ca replacement is complete.

### **For More Information**

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