

Technical Bulletin

500 Series Arm Coaxial Cable Replacement Procedure



Communication
Systems, Inc.
40 Greenwood Lane
Springboro, Ohio
45066

PH: 937-743-6010
FX: 937-743-5664

<http://www.pdiarm.com>

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 drawing 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, cable cutters, flathead screwdriver, 1/8" Allen T-wrench, needle nose pliers, cable crimper PD219-130, cable stripper, and the replacement cable PD106-428.

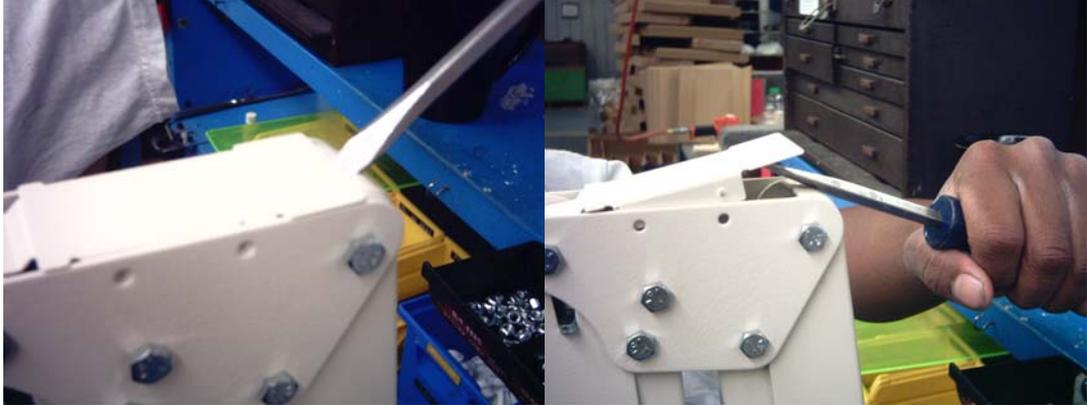


CAUTION: Do not attempt to modify this product in any way without written authorization from PDI. Unauthorized modifications will not only void the warranty, but may lead to your being liable for any resulting property damage or user injury.



Procedure

1. Use the screwdriver to remove PDI-525 Elbow cover



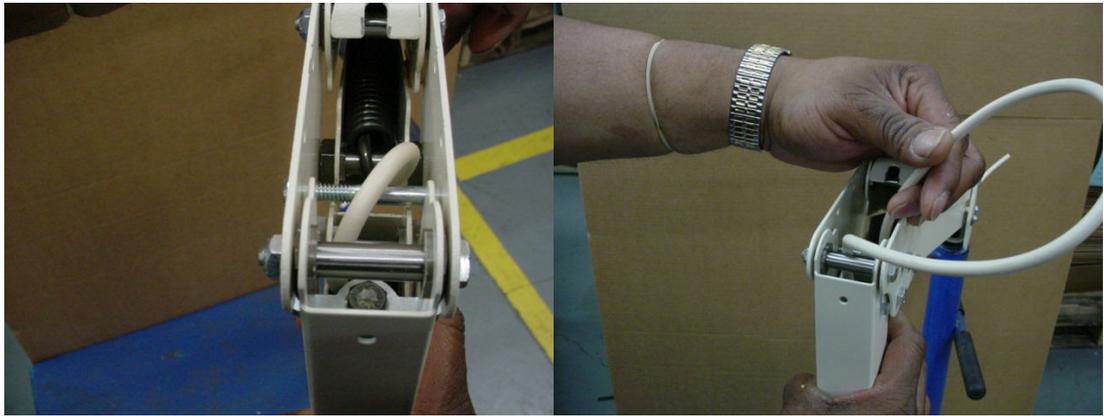
2. Remove PDI-122 cable grommet
3. Use the screwdriver to push the grommet out of the back arm section



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



5. Pull the cable through the elbow section.



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



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

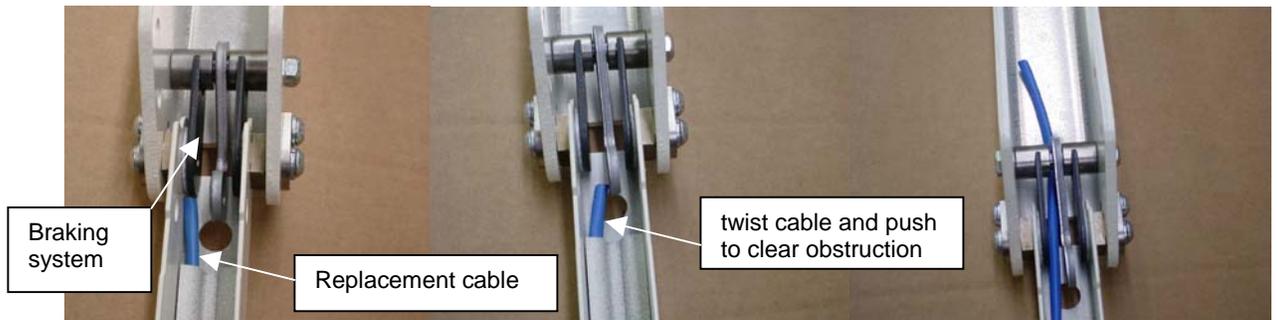


NOTE: PD106-428, has one F connector on each end, yet only one connector has been crimped. Remove the non-crimped F connector and boot.

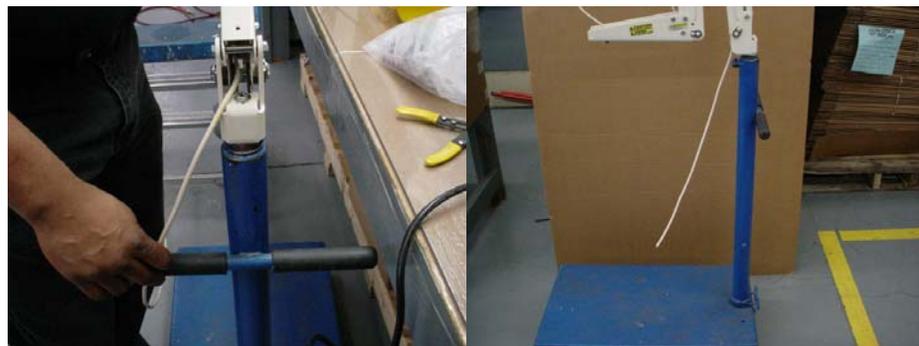
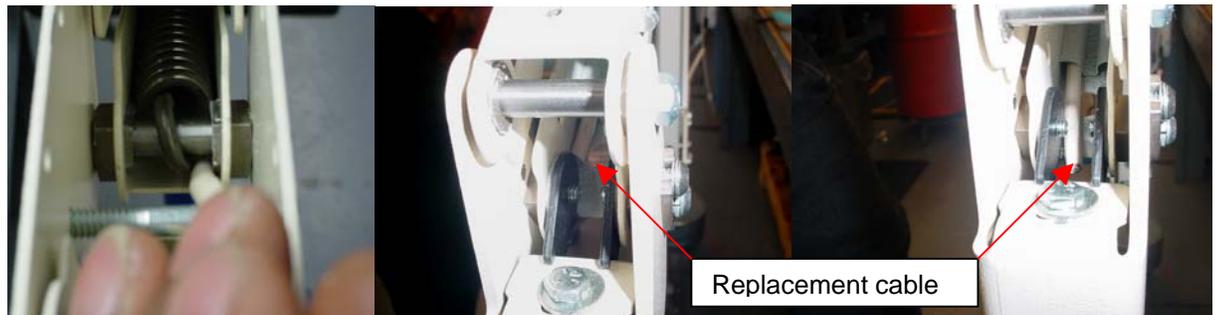
Starting at the nose with the un-crimped end, route the cable through the front arm section, through the elbow, and down the rear arm section, exiting at the base of the support arm.



8. 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)



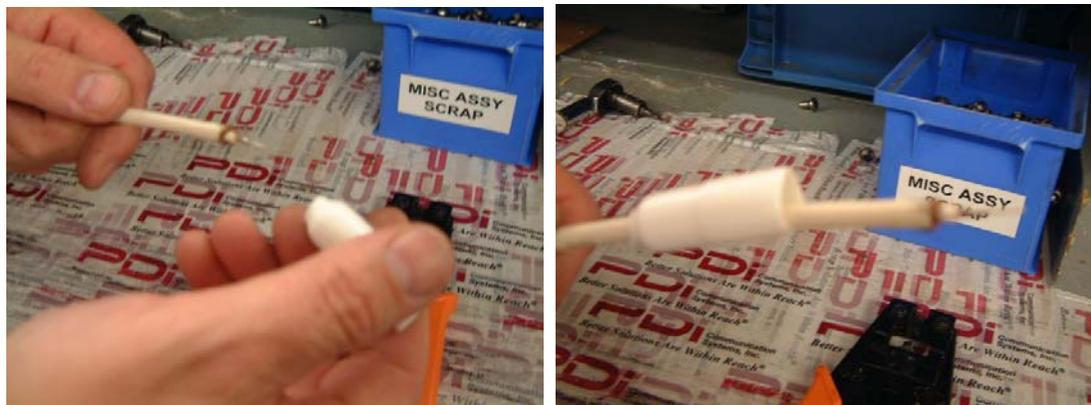
OPEN ARM



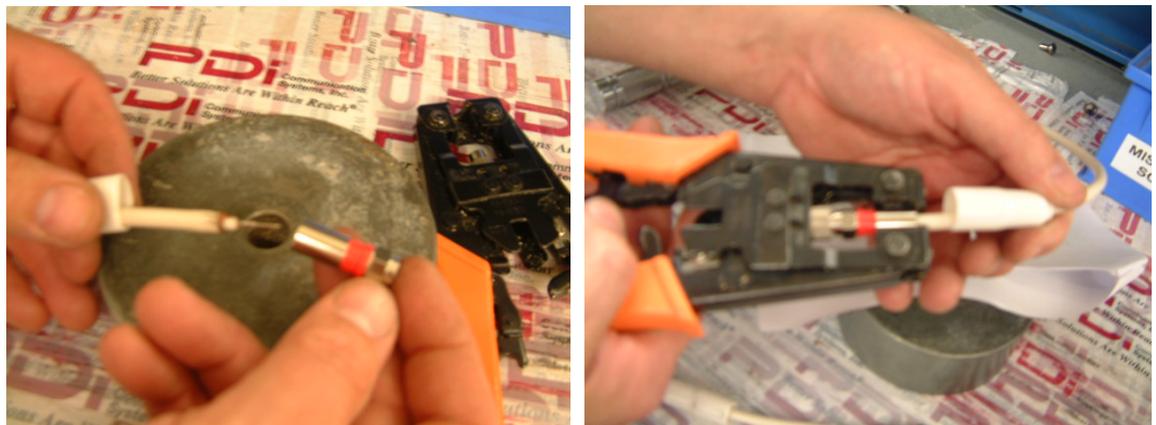
9. Replace PDI-247 cable clamp in the nose and the cable grommet at the base of the arm



10. Put on the cable boot.



11. Install connector then use the crimper, PD219-130, to secure the connector.



12. Use continuity tester to check connections.

13. When the connections check as good, the cable replacement is complete.

For More Information

Contact PDI at 937-743-6010