

HAM Radio Troubleshooting



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HAM Radio Troubleshooting

- Some CARES member have had a lot of trouble-shooting experience in their professional careers

HAM Radio Troubleshooting

- Please ask in your subunit and at CARES monthly meetings when you've a difficult radio issue

HAM Radio Troubleshooting

- You've arrived and setup
- Your radio doesn't work
 - All the cables connected?
 - Does it power on?

HAM Radio Troubleshooting

- Do you have spares?
- Can you use your other team member's radio equipment?

HAM Radio Troubleshooting

- You can hear but no one hears you?
 - bad radio
 - bad antenna
 - bad microphone
 - bad coax cable
 - bad battery

HAM Radio Troubleshooting

- Unusual failures
 - bad radio connector
 - bad antenna connector

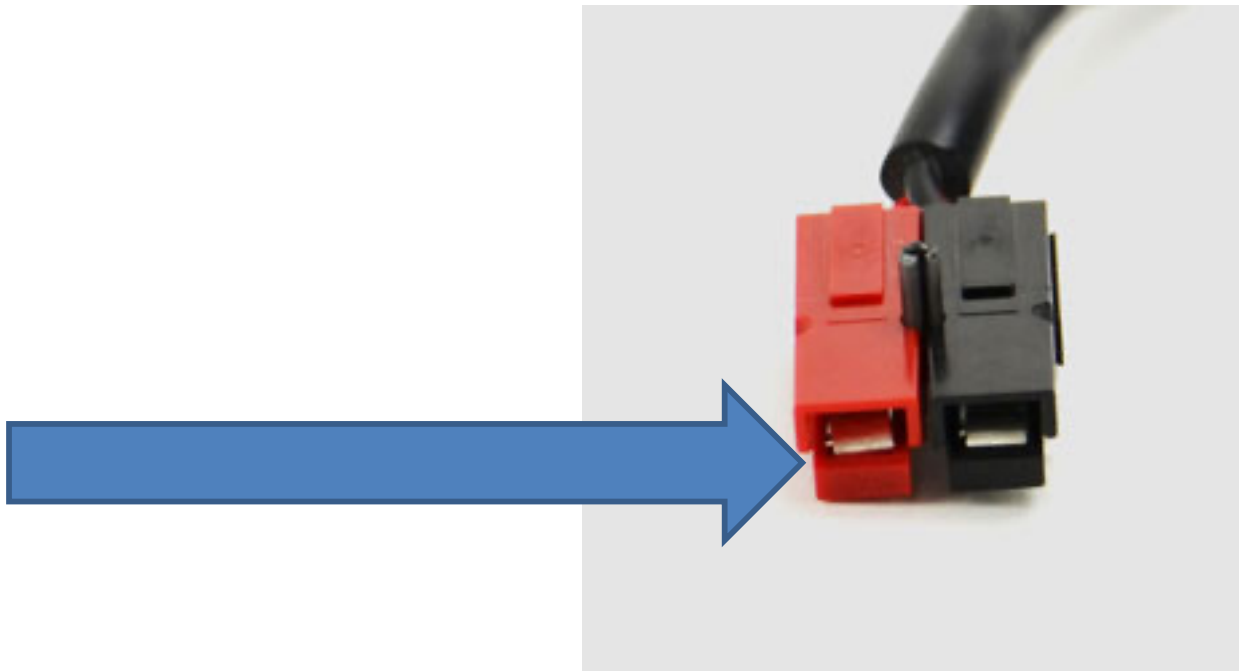
HAM Radio Troubleshooting

- Example: Anderson PP-30



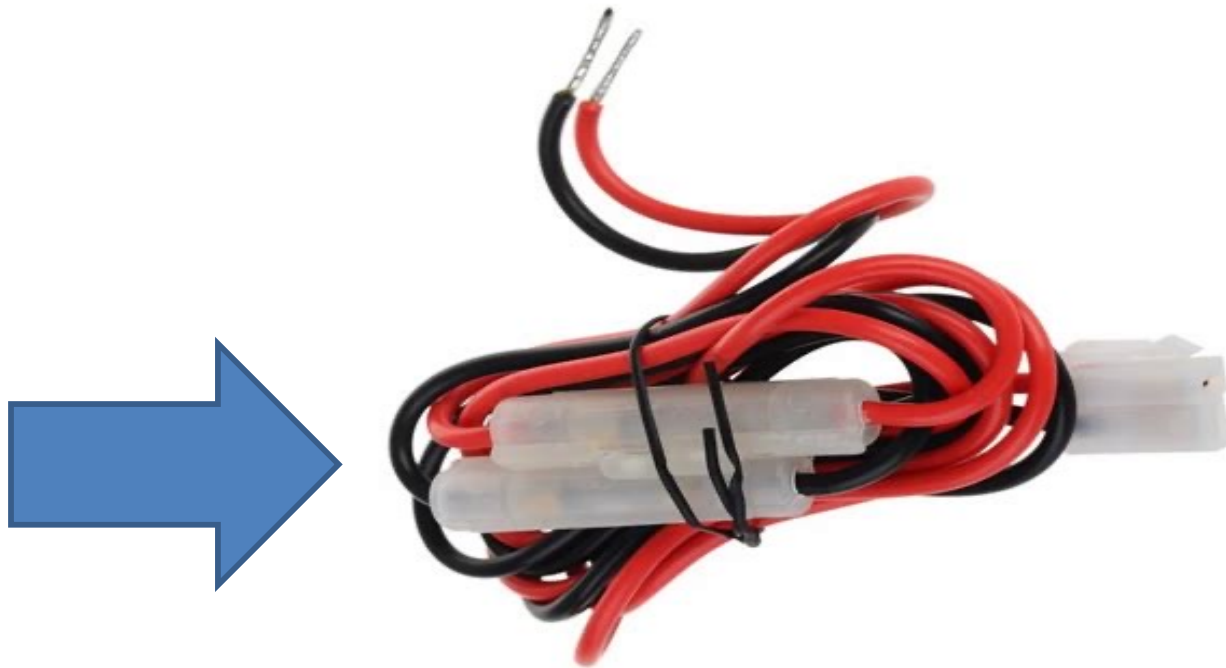
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- Example: PP-30 terminals in place?



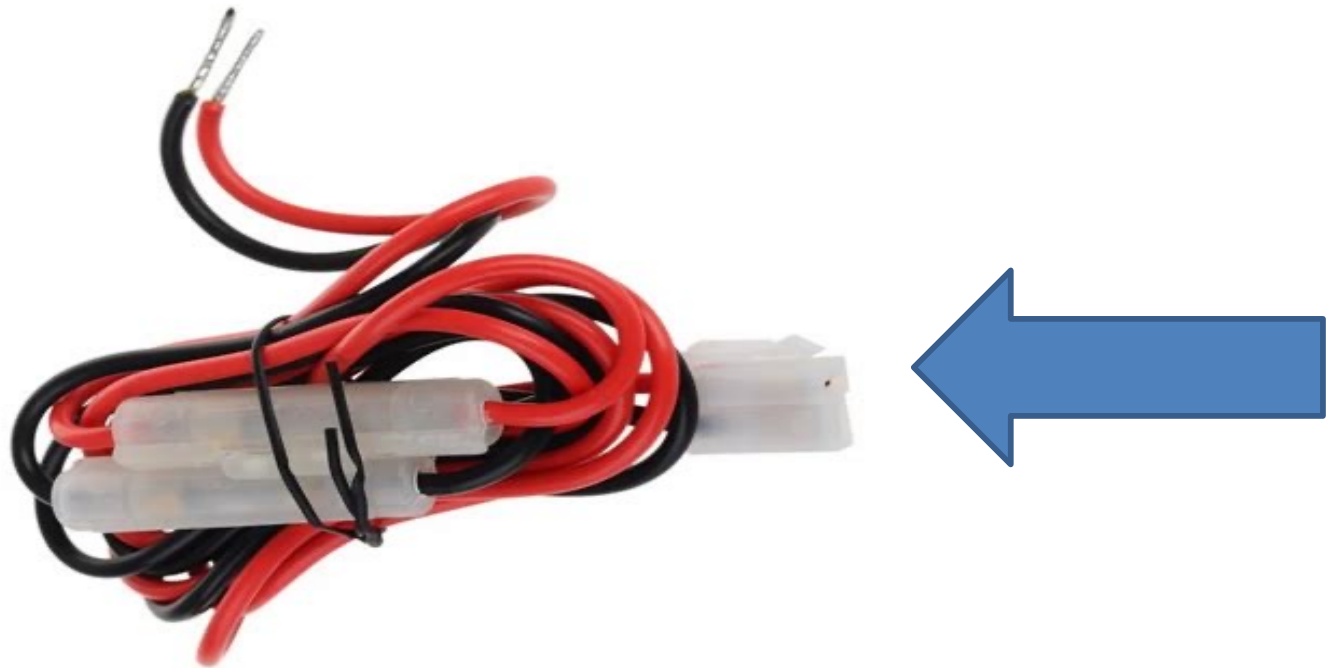
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- Example: fuses – blown?



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- Example: connector damage?



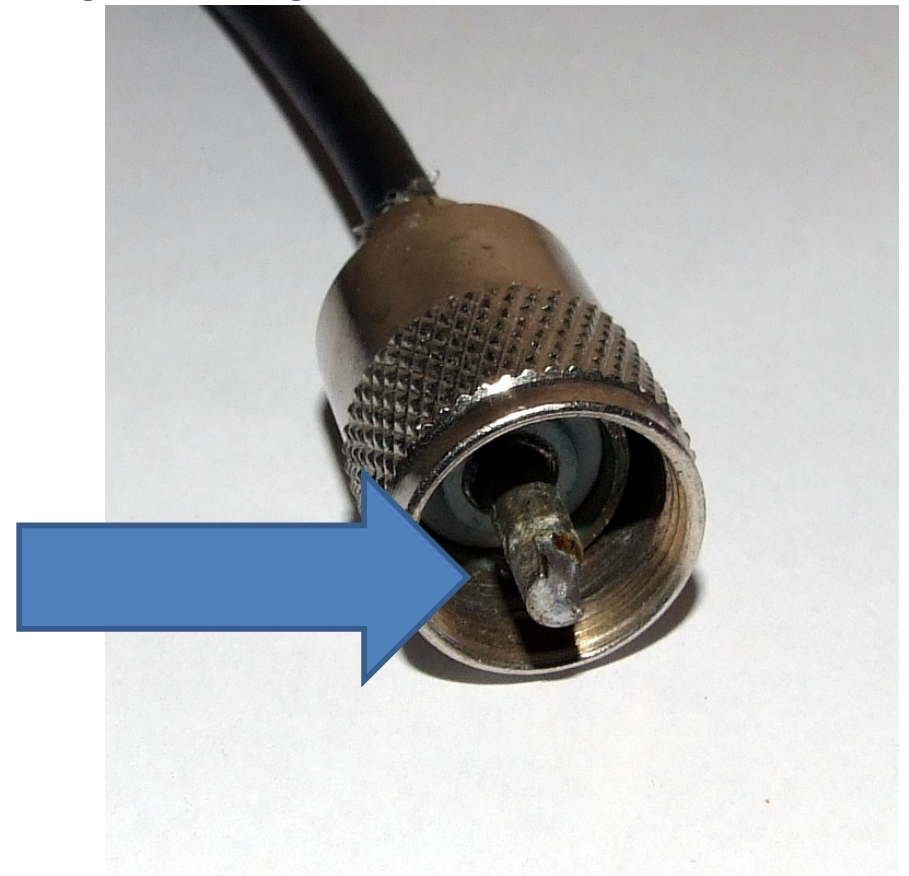
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- Example: SO-239 socket present?



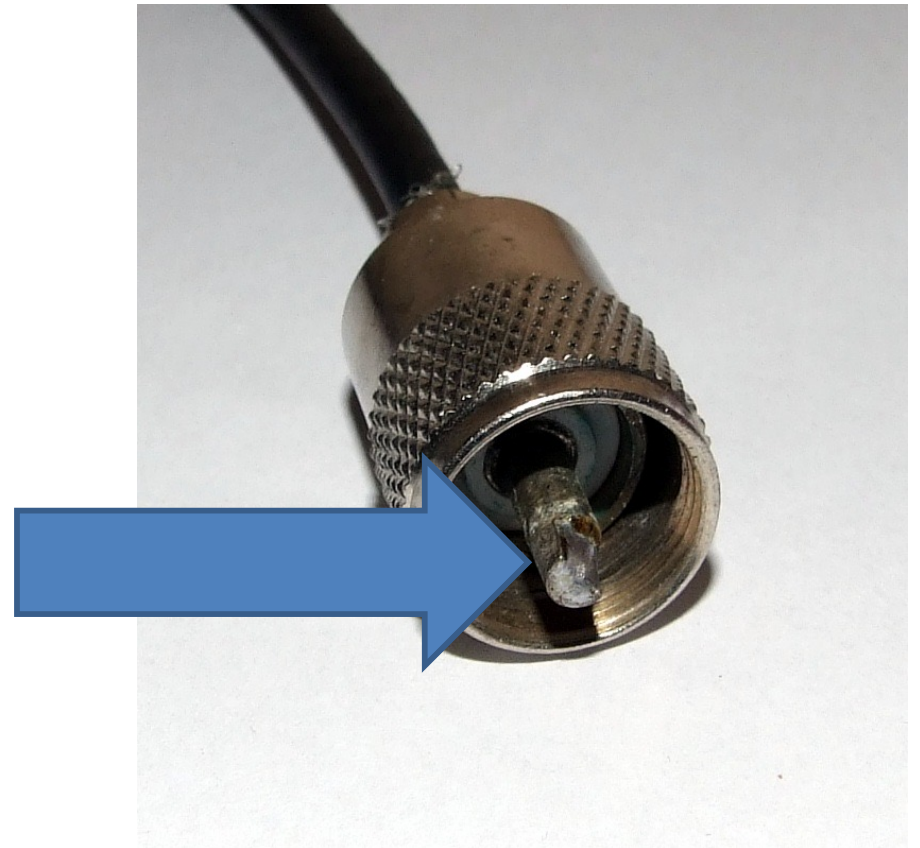
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- Example: PL-259 pin present?



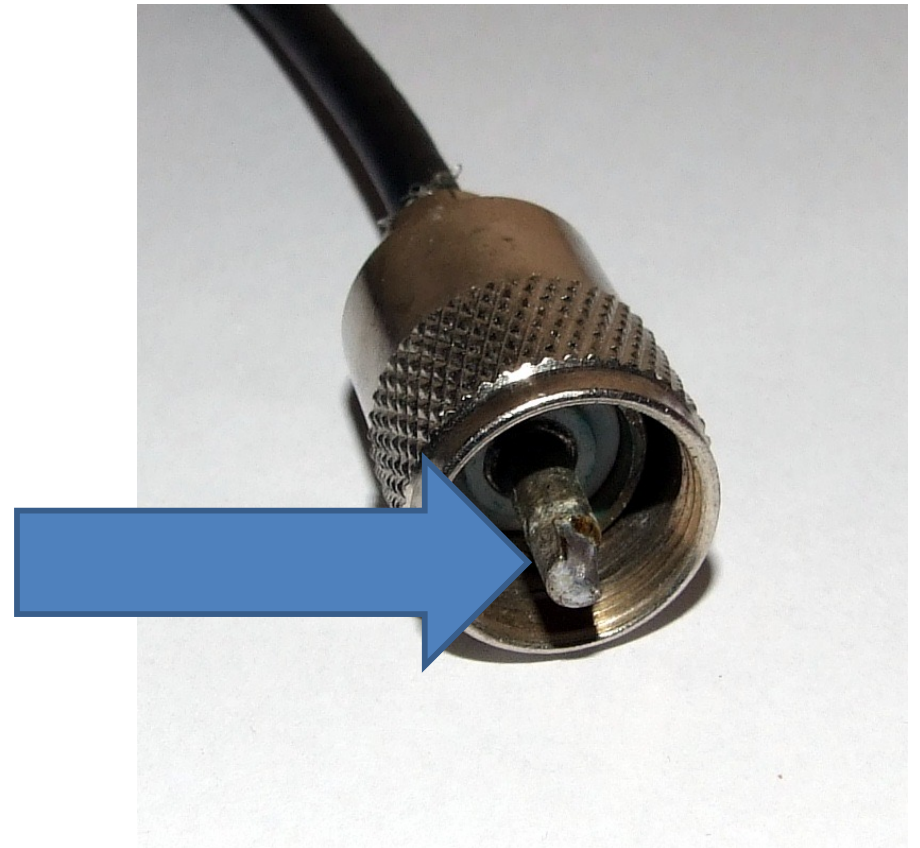
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- Example: PL-259 excess solder



HAM Radio Troubleshooting

- Example: PL-259 bad solder



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- Example: microphone connector – clicked?



HAM Radio Troubleshooting

- Example: battery

Batteries often fail during transmitting operation

In closing

- Questions....

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