



IMPORTANT

INSTALLATION PROCEDURE

Follow the attached
procedures before
INSTALLATION!



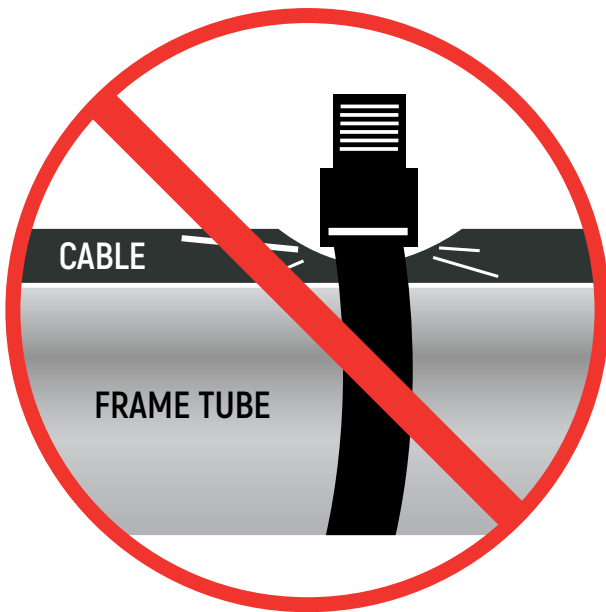
Need help? Call (888) 541-7223

DO NOT OVERTIGHTEN ZIP TIES

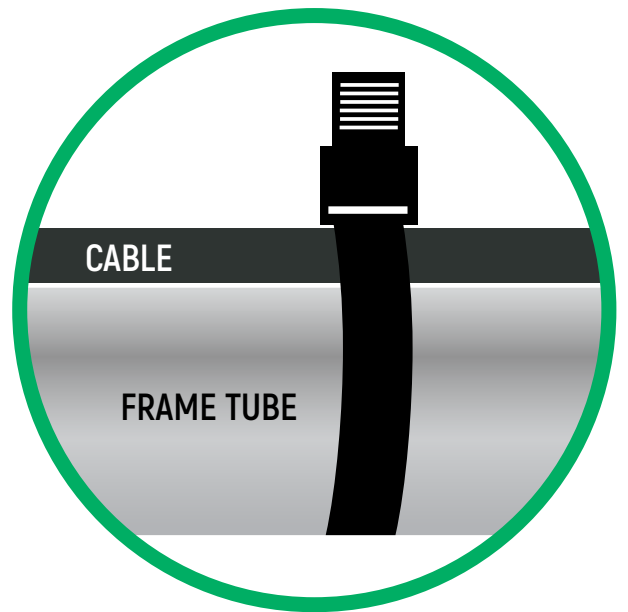
TECH BULLETIN: ZIP1.0

Overtightening will **DAMAGE** intercom and PTT cables and cause a loss of performance.

- Do not distort cables
- Do not crush cables



NO



YES

If any visible damage is found, **replace the cable immediately.**

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Ideal placement for maximum radio range:

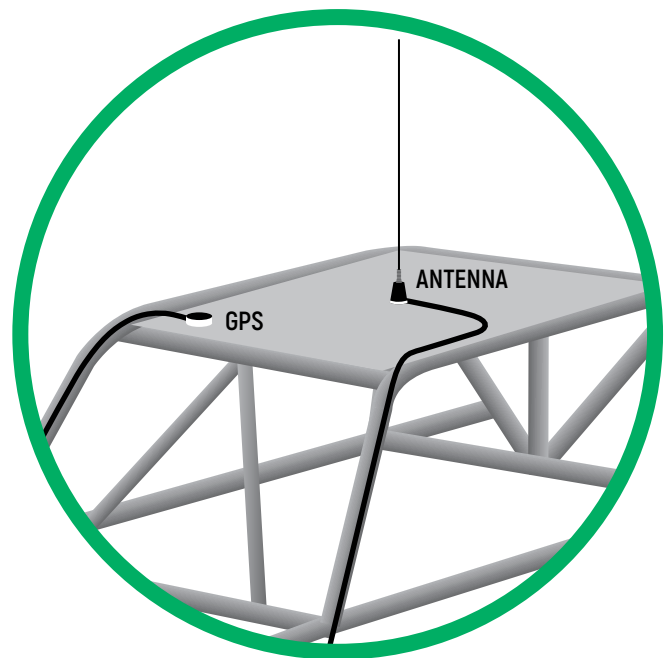
- as high as possible
- in the center of a metal roof

Obstructions block your signal!

- light bars
- air scoops
- GPS antennas
- racks
- etc.



NO



YES

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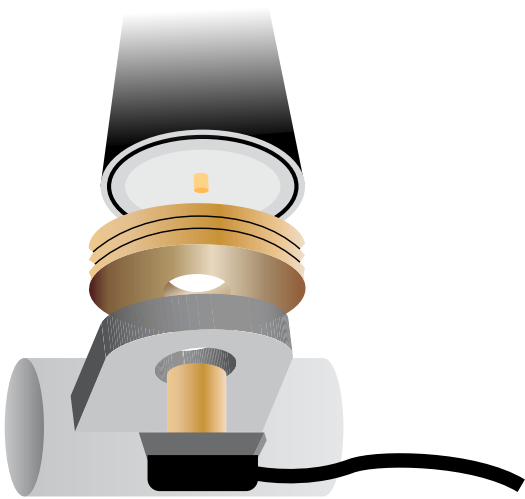


ANTENNA MOUNT GROUNDING

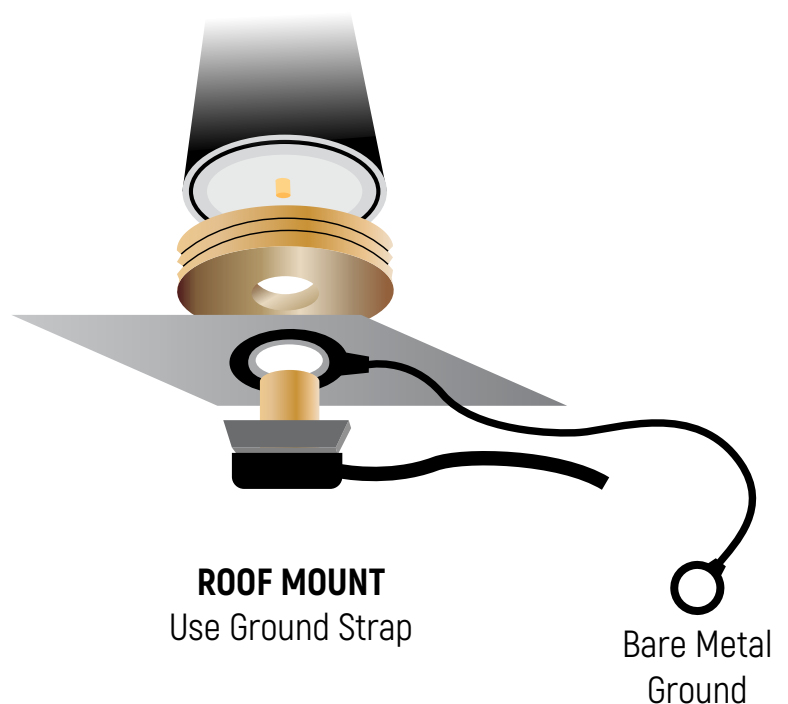
TECH BULLETIN: **AMG.1.0**

Poor grounding decreases radio range and causes interference.

- Ensure antenna mounting surface is:
 - bare metal (no powder coating or paint)
 - corrosion free
- If mounting to a roof panel, a ground strap (P.N. GS-KIT) should be added from the metal roof to the chassis of the vehicle



BARE METAL TAB
No powdercoating



ROOF MOUNT
Use Ground Strap

Bare Metal
Ground

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ANTENNA CABLE ROUTING

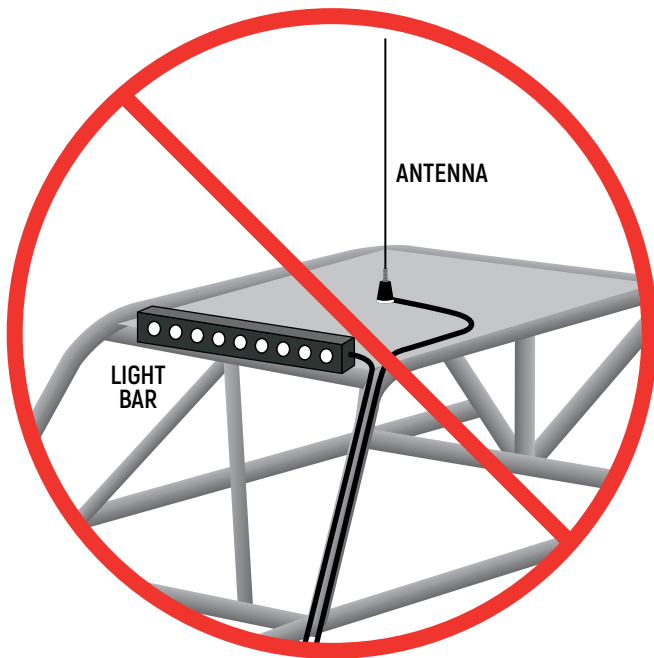
TECH BULLETIN: ACR.1.0

Route antenna cable independently.

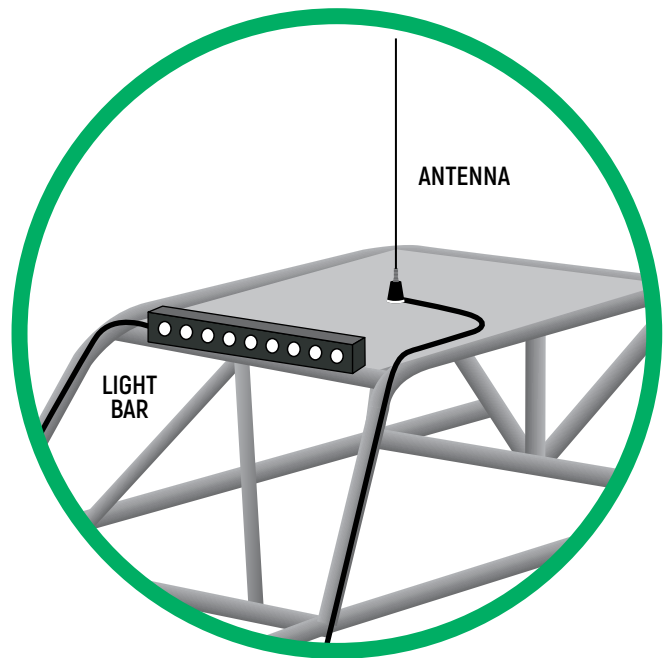
- **keep away from :**
 - power cables
 - ground cables
 - intercom cables
 - ignition cables / coils
 - engine electronics
 - all other cables
- **never coil or bundle excess antenna cable**
If cable is too long, have it shortened by a qualified technician or route it so excess length is used up.



NO



NO



YES

COMPLETED BY _____

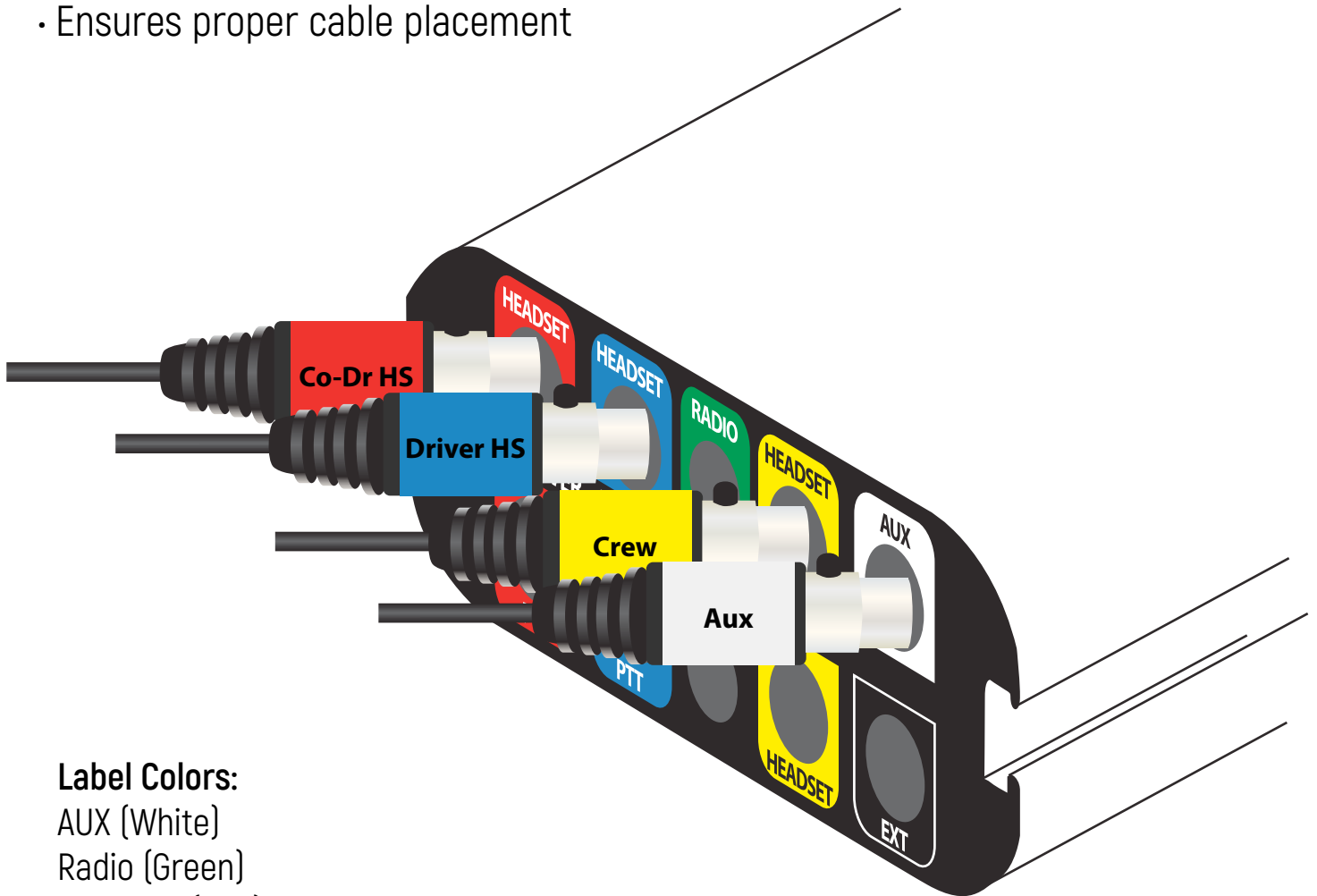


TAG KIT

TECH BULLETIN: **TAG.1.0**

Label all cable connections with label kit P.N. TAG-KIT-ICM

- Color coded labels
- Ensures ease of servicing
- Ensures proper cable placement



Label Colors:

- AUX (White)
- Radio (Green)
- Co-Dr HS (Red)
- Co-Dr PTT (Red)
- Driver HS (Blue)
- Driver PTT (Blue)
- Crew (Yellow)
- Crew (Yellow)

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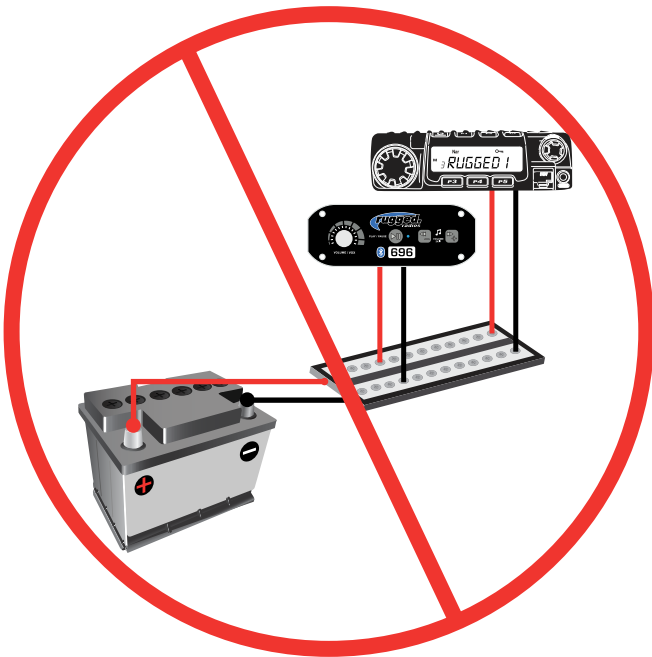


WIRE DIRECT TO BATTERY

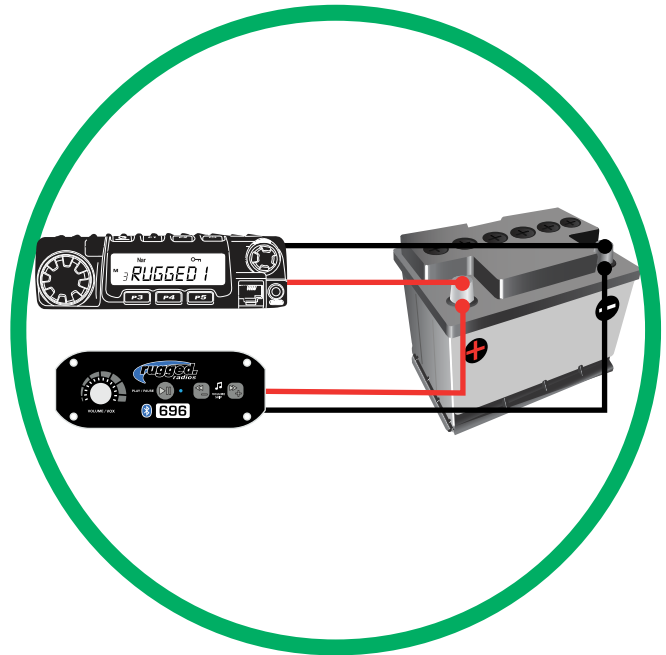
TECH BULLETIN: **WTB.1.0**

Radio and intercom power **MUST** be connected direct to battery.

Do NOT connect intercom or radio power to fuse box or bus bar.



NO



YES

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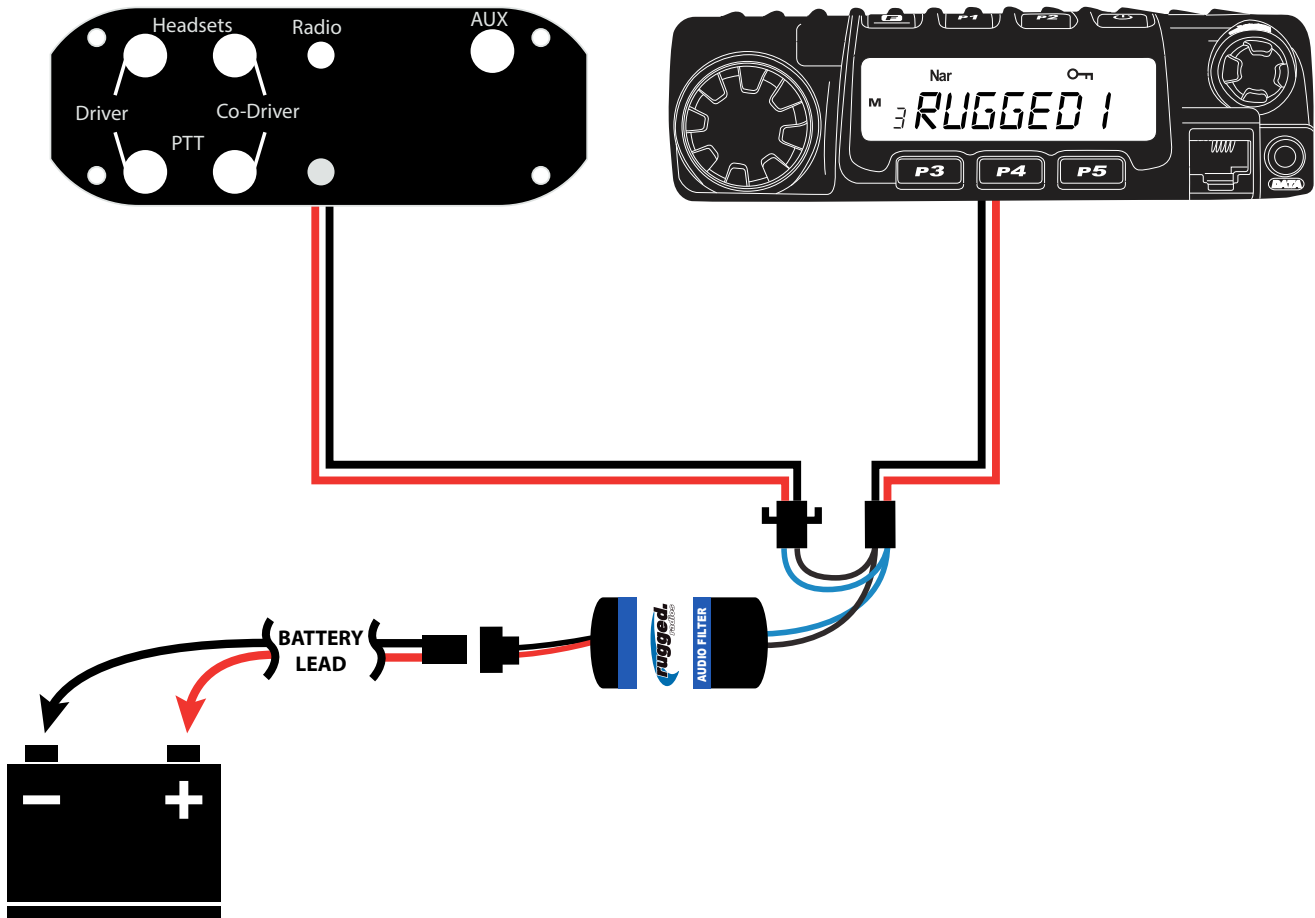
POWER AND GROUND

TECH BULLETIN: GRD.1.0

Power AND ground should be wired directly to the battery.

- Do **NOT** ground to chassis
- Do **NOT** connect positive to battery switch

Install an AUDIO-FILTER on all race vehicles (P.N. AUDIO-FILTER).
This will provide filtered power to your radio and intercom.



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Run coax, power, and intercom cables separate from each other and not touching

Failure to separate cables can cause audio interference in intercom and radio.

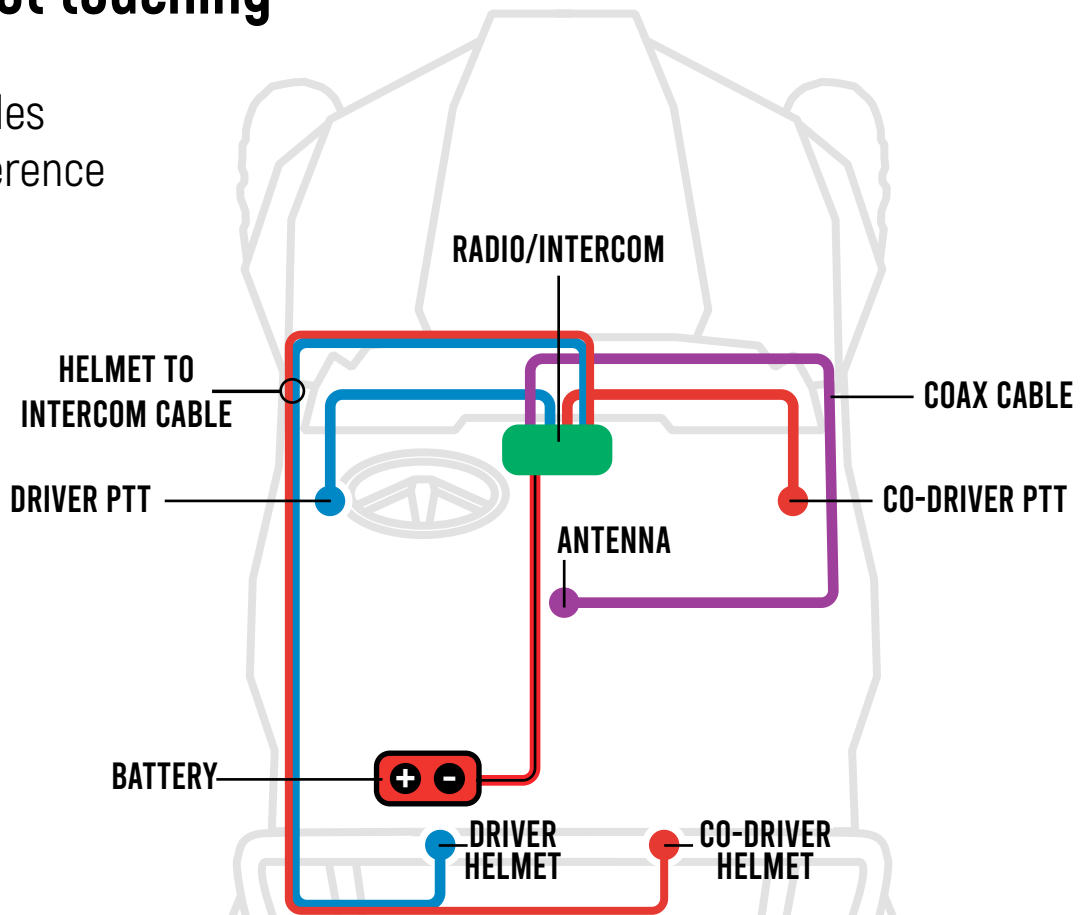


Diagram is a reference.
Your layout may vary.

- Route all cables so they are not pinched between panels, smashed, kinked, etc.. Do not overtighten zip ties.
- ANY physical damage can cause interference, noise, intermittent functionality. If any visible damage is found, replace the cable immediately.

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PTT/HEADSET CONNECTIONS

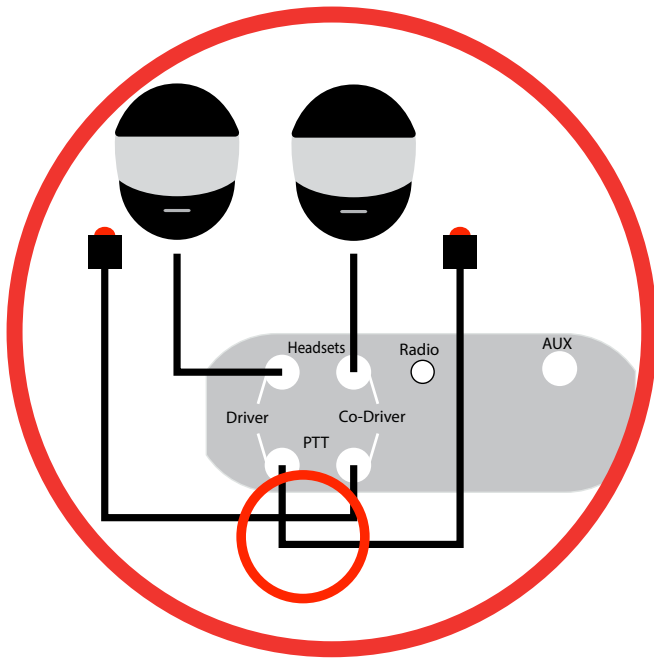
TECH BULLETIN: **CONN.1.1**

Helmet and Push-to-Talk connections are seat specific.

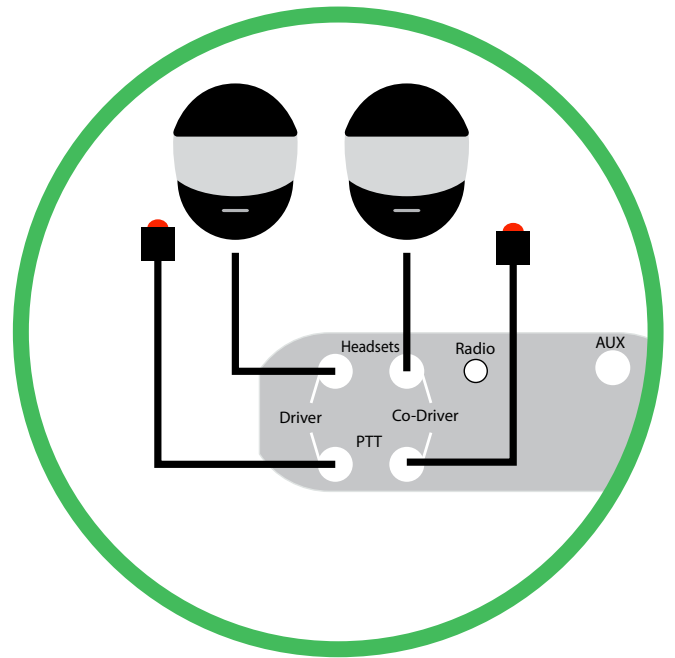
Driver and co-driver ports are specifically indicated on intercom.

- **Driver** PTT will only open driver's mic.
- **Co-Driver** PTT will only open co-driver's mic.

Failure to connect properly will cause no voice during radio transmit.



NO



YES

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STRAIN RELIEF PTT

TECH BULLETIN: PTT.1.0

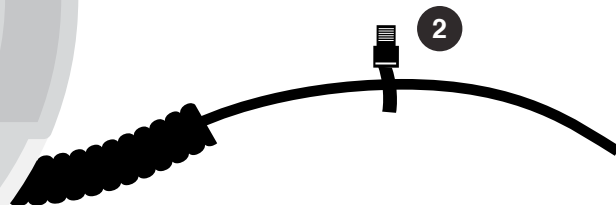
PTT cables must be strain-relieved (especially if steering wheel-mounted) with zip-ties so they are not pulled apart.

- Run a zip tie through the coil and around the steering wheel spoke and tighten firmly.
- Verify a snug installation by tugging on the loop and verify that the PTT housing does not move.
- Provide slack to allow the coil cords enough stretch so it won't bind when turning the the steering wheel.



STRAIN RELIEF LOCATIONS

- 1) Steering Wheel AND
- 2) Dash/Chassis/Alternate



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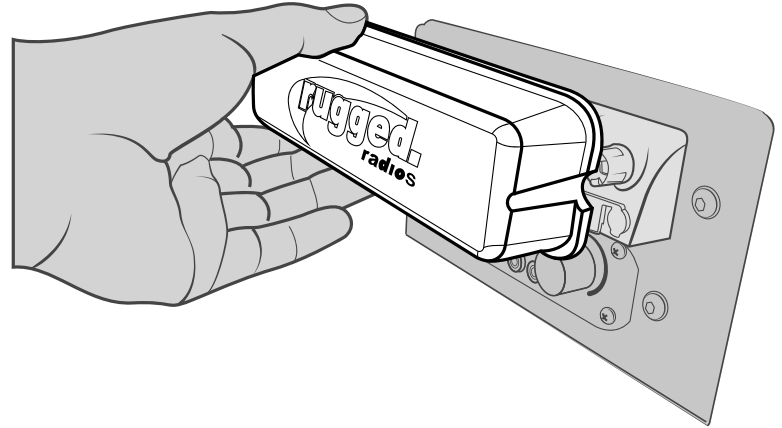


RADIO WEATHER PROTECTION

TECH BULLETIN: **RWP.1.1**

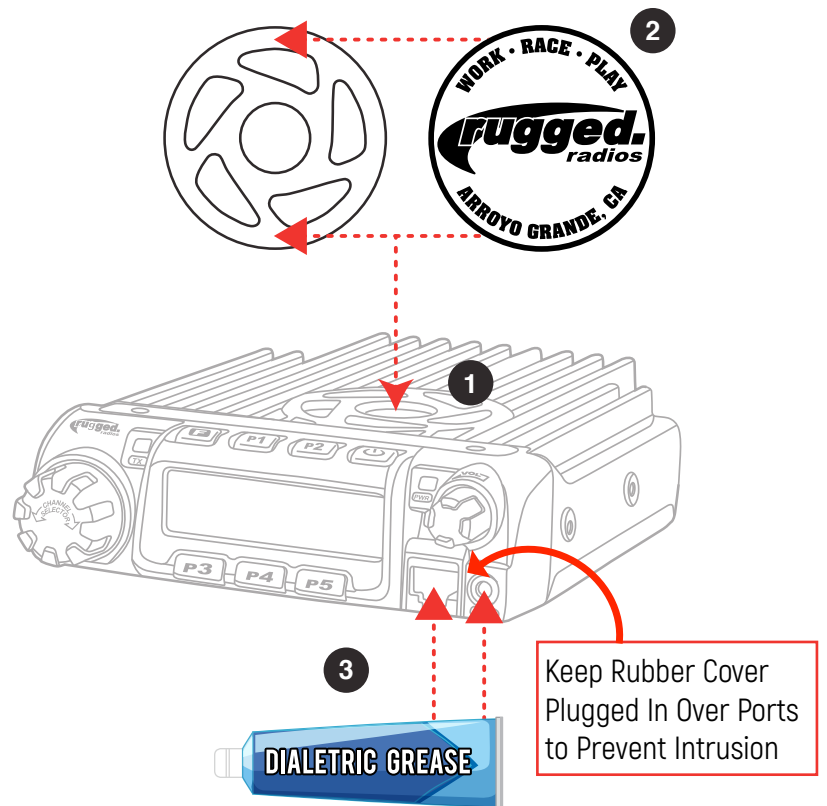
Mount radio in a location protected from water and moisture

- Always use a Radio Cover (P.N. RCM)



- For wet conditions, cover speaker with Speaker Shield (P.N. SPK-SHIELD) and apply dielectric grease to hand mic and data port.

- 1 Clean speaker grill with rubbing alcohol.
- 2 Cover radio speaker with Speaker Shield decal
- 3 Fill mic and data ports with dielectric grease, then insert dust cap



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INTERCOM WEATHER PROTECTION

TECH BULLETIN: **IWP.1.1**

Mount intercom in a location so rear connections are protected from water and moisture

- Use neoprene Baja Boot (P.N. BAJA-BOOT) in wet conditions to protect connections.



EXPOSED CABLE PORTS

NO

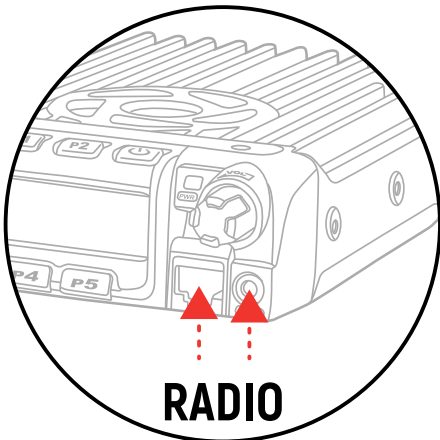


P.N. BAJA-BOOT-ICM

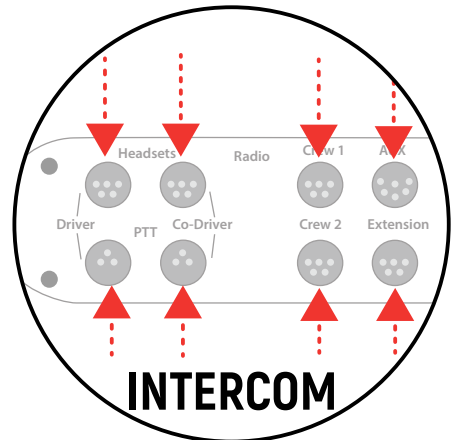
YES

Use dielectric grease in radio and intercom ports.

- Dielectric grease seals out moisture to ensure good communication contacts.



RADIO



INTERCOM

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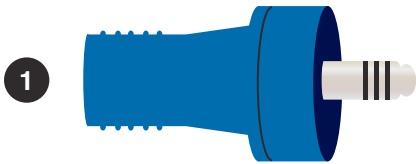


CABLE PROTECTION

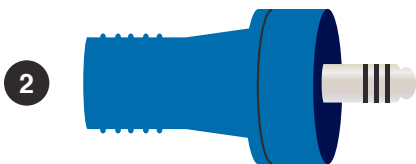
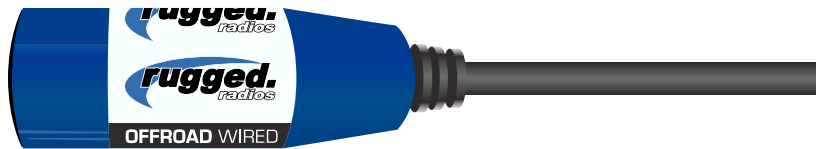
TECH BULLETIN: **PLUG.1.0**

NOTE: Moisture in connections can cause squealing and buzzing.

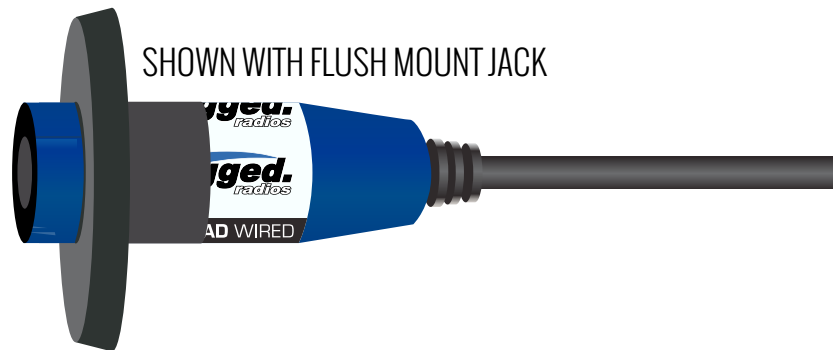
Use OFF PLUGS when cables are not in use to seal and protect connections against water intrusion.



1
P.N. OFF-PLUG



SHOWN WITH FLUSH MOUNT JACK



3
P.N. OFF-PLUG-NW

SHOWN WITH FLUSH MOUNT JACK



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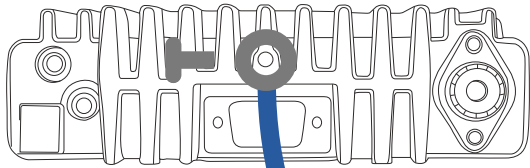


GROUNDING INTERCOM/RADIO

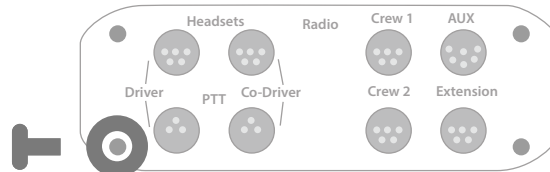
TECH BULLETIN: **GR.1.0**

If radio and intercom are mounted in plastic, use P.N. GS-KIT to ground the intercom and radio to chassis.

Rear View
RM-60 RADIO



Rear View
INTERCOM



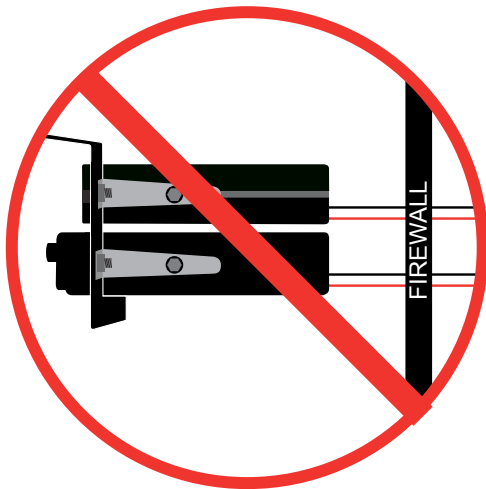
BOLT TO CHASSIS

Use an existing bolt location on the bare metal chassis of your vehicle.

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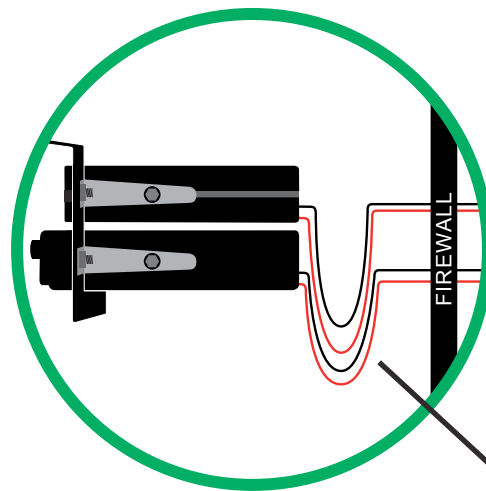
Both radio and intercom should be mounted so all cables and connections can be easily accessed for servicing.

- Cables should be long enough so the radio and intercom can be pulled away from their mounting locations without disconnecting (AKA: Service Loop).



NO

CABLES ARE DRAWN TIGHT AND THERE'S NO CABLE SLACK TO ALLOW SERVICING.

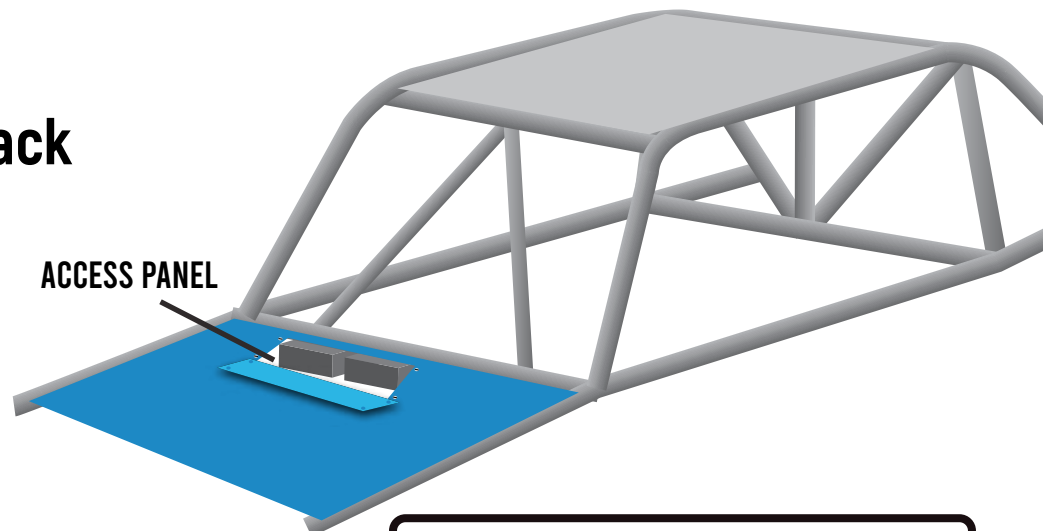


YES

ALL CABLES HAVE SUFFICIENT SLACK TO ALLOW SERVICING.

Ensure access to back of radio/intercom

- Access panel
- Room under dash



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LOCK YOUR RADIO

TECH BULLETIN: **LOCK.1.0**

Radio should be locked at all times.

- To lock/unlock, press and hold **P5** until keylock icon appears.
- Only unlock to change channel or settings.
- Do this to prevent accidental changes.
- Volume can still be set in locked setting.



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NOTES



Lined area for notes with horizontal ruling lines.





NOTES





**SAVE THIS GUIDE
FOR FUTURE REFERENCE**



Need help? Call (888) 541-7223