X3 Mount Installation Instructions

rugged.radios

Tools Needed

- Drill
- ¼" Drill Bit
- Screw Drivers – Phillips and Flat Head
- Torx T-30 Bit
- Marking device – Sharpie, Pen or Scribe

- Cutting tool - Reciprocating/Jig saw or cutoff wheel.
- Wire Snips
- Allen Wrench (Side Plate Bolts)
- 10mm Wrench (for Intercom bolts)
- 7mm Wrench (for radio bolts)

①

CUT ZIP TIE

②

LOCK 4x4 2x4 TRAIL

3/8   3/8   3/8   3/8

CENTER OF DASH

POSITION RIGHT UNDER SWITCH DIVIDER   POSITION RIGHT UNDER SWITCH DIVIDER   POSITION RIGHT UNDER SWITCH DIVIDER   POSITION RIGHT UNDER SWITCH DIVIDER

1.5"

POSITION THE RED CUT LINE 3/8" BELOW THE SWITCH DIVIDERS

WRAP AROUND PILLAR

WRAP AROUND PILLAR

STOP

Start by reaching behind and loosen the nut that is securing the start/stop button. On the backside, there is a small zip tie securing the start/stop wires to the plastic dash that will need to be cut to release the wires. Unplug and remove the start/stop button.
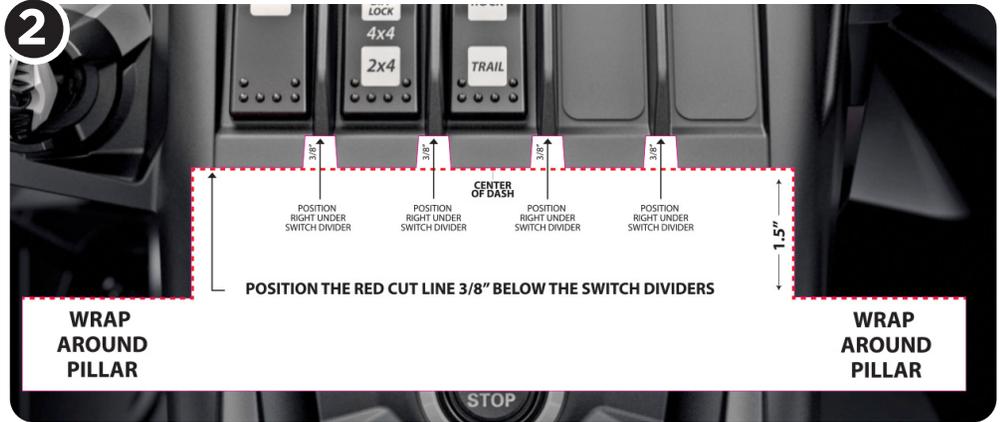
Using the cut decal that is included, remove the sticker backing.

Align the four sticker tabs immediately under the switch dividers. This provides a 3/8" distance to your red cut line. Wrap the ends of the decal around the console pillars.

Positioning it too low or too high may affect the final install. Mark the red cutline of the template on your dash with marker or scribe to create your cut line.

Using the device of your choice cut along the red cut line. A jig saw, Dremel tool with a cut off wheel or, if you are careful a sharp utility knife will work (the plastic is pretty soft). Cutting should be done as neat as possible but it will be covered by the top edge of the mount when installed.

③

④

Next, remove the bottom 2 torx T-30 bolts in between the console pillars.

Position the top of the mount as shown in this diagram above and reinstall the 2 torx bolts. **IMPORTANT:** _With the console support pillars removed, the upper dash will sag slightly. It's important to raise and realign the dash. Vice grips may be a good option to hold the dash and the mount in place._ Once lined up as shown in the left photo above, drill holes in the left and right side using a 1/4" drill bit. Put bolts through the holes you just drilled and attach the mount to the upper dash.

Any questions, please contact Rugged Radios:
Rugged Radios | 888.541.7223 | www.ruggedradios.com

⑤

Mount this spacer ring behind the mount

Mount the Start/Stop Button. Included in the kit is a round spacer shaped like the start/stop button. That will be added to the back of the button before the factory plastic spacer and nut.

⑥
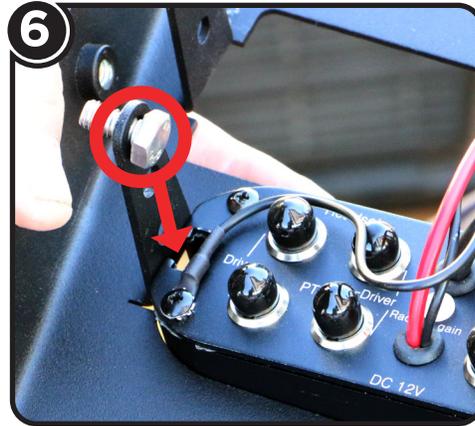
Now it is time to install the radio and intercom into the Insert. Attach the intercom and radio using the mounting tabs on the backside of the insert. Mounting hardware is included with the intercom and radio. A 7mm wrench or Phillips screwdriver will be needed to tighten the front two screws holding the radio in the insert. When installing the intercom, feed the interim thru the face of the mount, then slide the bolt heads in the mounting channel of the intercom on both sides (see photo). Slide the intercom flush to the face of the insert and tighten the two 10mm nuts to secure it in place.
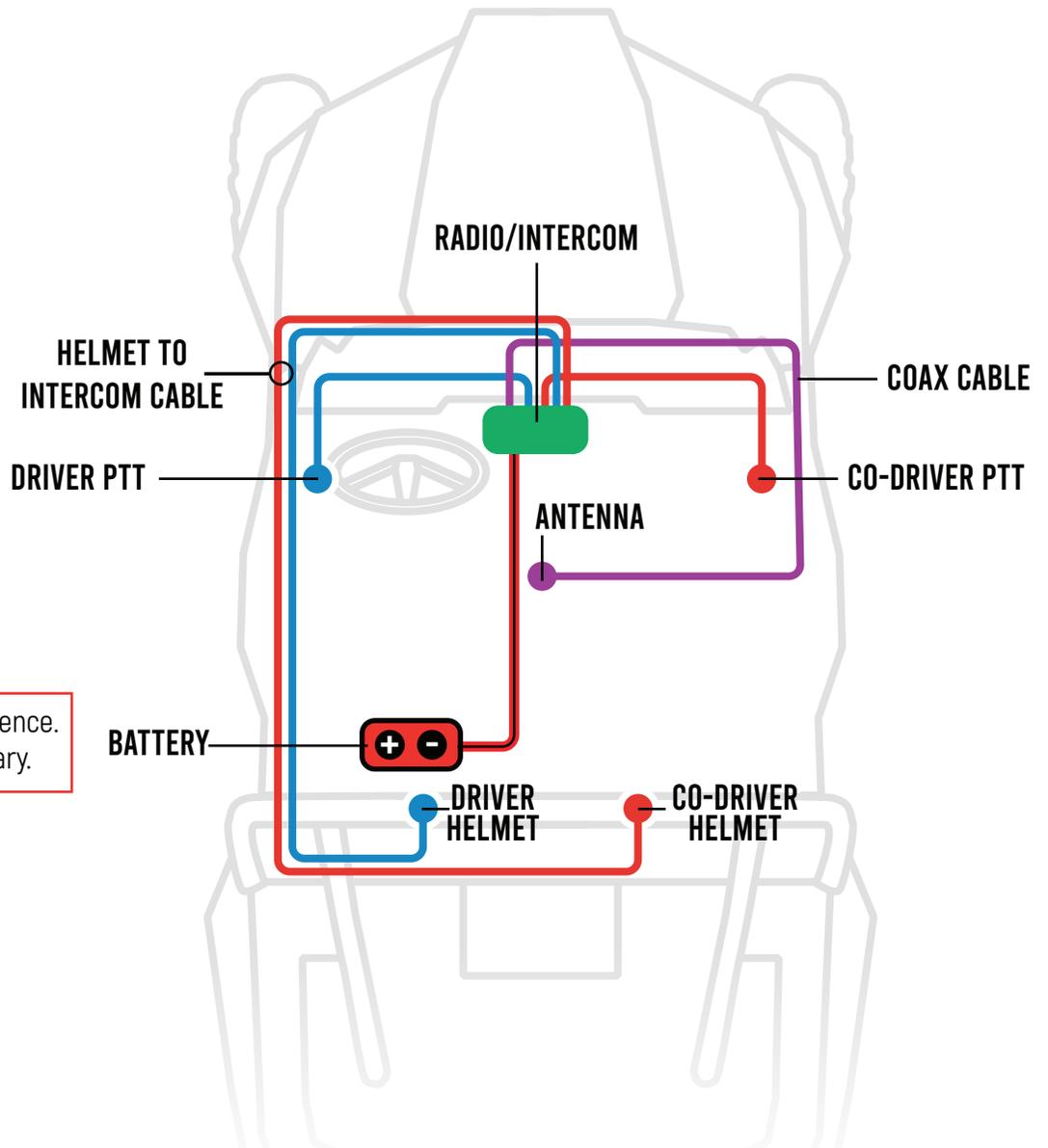
⑦ Run coax, power, and intercom cables separate from each other and not touching

Failure to separate cables can cause audio interference in intercom and radio.
• Route all cables so they are not pinched between panels, smashed, kinked, etc.. Do not over tighten zip ties.

• ANY physical damage can cause interference, noise, intermittent functionality. If any visible damage is found, replace the cable immediately.

Diagram is a reference. Your layout may vary.

RADIO/INTERCOM

HELMET TO INTERCOM CABLE

COAX CABLE

DRIVER PTT

CO-DRIVER PTT

ANTENNA

BATTERY

DRIVER HELMET

CO-DRIVER HELMET

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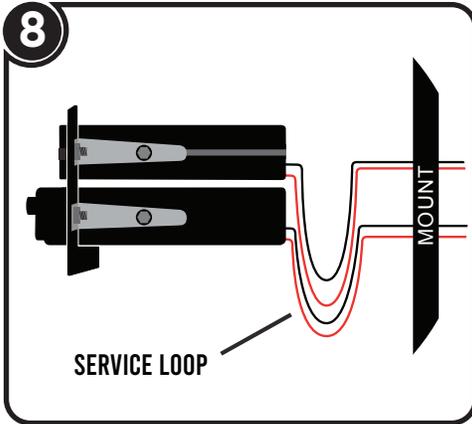
SERVICE LOOP

MOUNT

Leave enough cable hanging out of the console mount (service loop) so you can plug them into the radio and intercom before you install the insert into the mount.

9

Plug all communications cables into the intercom paying close attention to the driver and co-driver ports. The pigtail with a chrome 5-Pin connector will plug into the pigtail on the back of the radio. Don't forget to hook up the antenna cable to the radio! Once all cabling is plugged in, slide the insert into the mount and install the 4 screws.

10

Follow the next step if you are installing the optional side panels. On the passenger side, start by removing two plastic rivets towards the back, closest to the floorboard. Next, place the side panel in place and insert the plastic rivets back into their holes. The panel can be lined up for the front bolts and secured. On the driver side, attach the 2 side bolts and secure.

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This cutting template was included with your mount. It is provided here again for reference.

Please note, if you are printing this template from a PDF, be sure to print this page at 100% scale.

This Line is 1"

WRAP AROUND PILLAR

1.5"

3/8"

POSITION RIGHT UNDER SWITCH DIVIDER

3/8"

POSITION RIGHT UNDER SWITCH DIVIDER

CENTER OF DASH

3/8"

POSITION RIGHT UNDER SWITCH DIVIDER

3/8"

POSITION RIGHT UNDER SWITCH DIVIDER

POSITION THE RED CUT LINE 3/8" BELOW THE SWITCH DIVIDERS

WRAP AROUND PILLAR

LOCK
4x4
2x4
TRAIL

3/8"   3/8"   3/8"   3/8"

CENTER OF DASH

POSITION RIGHT UNDER SWITCH DIVIDER   POSITION RIGHT UNDER SWITCH DIVIDER   POSITION RIGHT UNDER SWITCH DIVIDER   POSITION RIGHT UNDER SWITCH DIVIDER

1.5"

POSITION THE RED CUT LINE 3/8" BELOW THE SWITCH DIVIDERS

WRAP AROUND PILLAR

WRAP AROUND PILLAR

STOP