

INSTALLATION INSTRUCTIONS



Trooper™ TRP-20INT

2020 Ford Police Interceptor®
Utility Vehicle Antenna

Multi-Band | LTE MIMO | 802.11ac | GPS/GLONASS



TRP-20INT

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Roof Mount Installation

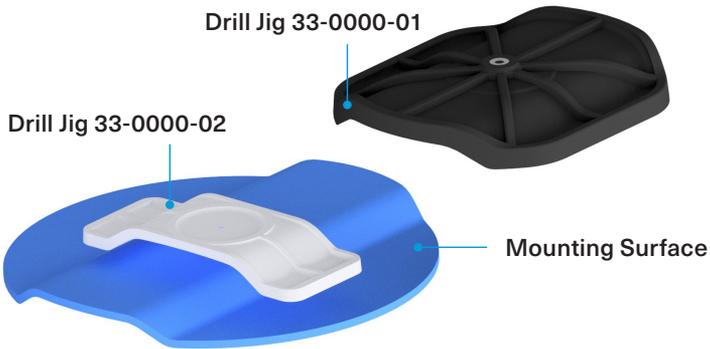
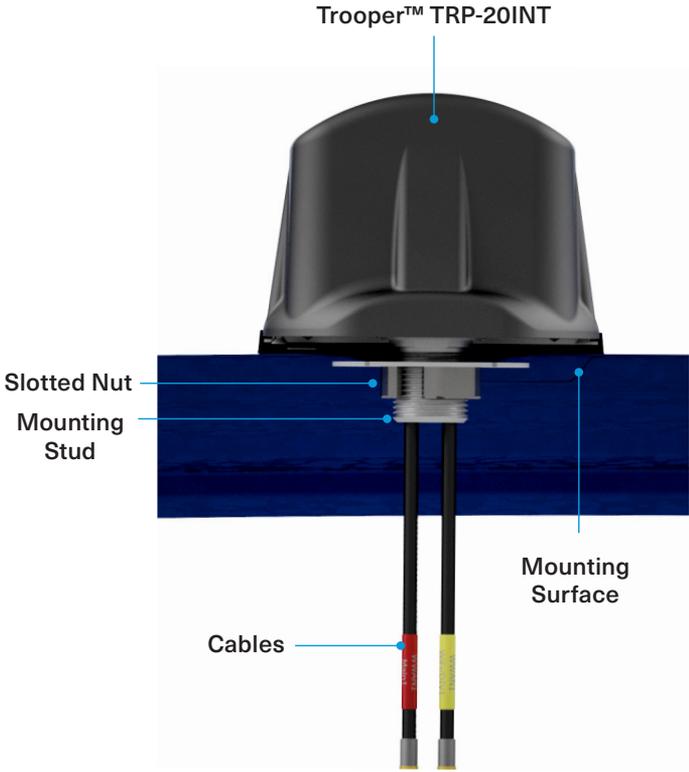
1. Determine antenna installation location. When choosing a mounting location, attempt to center the antenna on a ground plane, positioning the antenna so that it has at least 203.2 mm (8 inches) of ground plane in any given direction. Try to maintain a space of at least 406.4 mm (16 inches) from other antennas or metallic structures.
Select a location with gentle surface curves along the center/middle raised ridge of the 2020 Ford Police Interceptor® Utility vehicle rooftop.

Ensure that the selected location is clean and damage-free. It is critical that the location has no wires or critical components running underneath. A space of at least 16 mm (5/8 inches) deep by 27 mm (1-1/16 inches) in diameter is required below the mounting surface to allow clearance for the antenna mounting stud and hardware.

2. Using Drill Jig - 33-0000-02, locate the desired mounting location along rail and mark a center point using a scratch awl, center punch or permanent marker. (Option: Use Drill Jig 33-0000-01 to locate the desired mounting location along rail and drill a 3.175 mm (1/8 inch) pilot hole using a high-speed drill bit.) Finish drilling the 25.4 mm (1 inch) to 27 mm (1-1/16 inch) diameter hole. A multistep Uni-bit is recommended. **Drill with caution. Do not drill through wires, headliner or anything else, other than the roof section.**
3. With the final hole drilled, clean the area and deburr any sharp metal from the roof. Clean the surface with 70/30 isopropyl alcohol and a clean rag before placing the antenna. Remove the protective film to expose the VHB tape.
4. Insert the cables through the hole and mount the antenna. The gasket should sit flush with the contour of the roof rib. Press down slightly on the antenna to properly secure the tape.
5. Inside the vehicle, feed the backplate through the cables and onto the antenna nut. The backplate should sit flush with the interior roof. Slide the nut around the cables and tighten onto the stud. Torque the nut to 14 Nm.

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Need help?

For assistance with installation, please contact

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