

# HPX-200 Assembly and Install Guide

The HPX-200 antenna is factory-configured to operate in WAAS mode when the high precision HPX-10 subscription is not activated. When purchasing the HPX-10 subscription, activation instructions will be sent to the email address used to purchase the HPX-200 antenna.

## Installing the Antenna to the Vehicle Roof

You will need to assemble the **antenna mount plate** before installing the HPX-200 to the vehicle roof.

**STEP 1:** The mount plate uses 4 screws + 4 lock washers to attach to the antenna bottom. Align the mount plate to the mount holes on the bottom side of the HPX-200 antenna. These 4 holes are keyed to install in only one direction. Do not over tighten as the mount plate could crack.



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**STEP 2:** Screw the 1" extension into the magnetic mount and then to the mount plate.



Mount Plate



1" Extension



Magnetic Mount



Zinc Mounting Disk



Adhesive Pad

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## STEP 3: Install the adhesive pad to the magnet mount and vehicle roof

Plan your antenna location carefully, because once you place the adhesive pad on the vehicle roof you will not be able to remove and reinstall it without using a new adhesive pad (not provided).

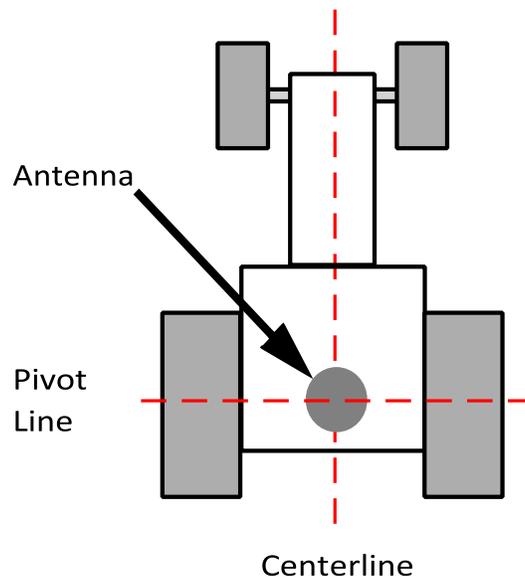
To mount the antenna on the vehicle roof:

1. Clean and dry the vehicle surface where you will attach the antenna mounting plate.
2. Remove the paper backing from one of the adhesive pad's side and install this pad to the Zinc mounting disk (see photo at right).



Press the adhesive pad hard against the mounting disk for proper adhesion.

3. When determining the vehicle location where the mounting disk with adhesive pad will be installed, ensure that the antenna will be on the vehicle's centerline and pivot line (see figure below). **Depending on your vehicle, if you cannot place the antenna on the centerline and/or pivot line, place the antenna as close as possible to these lines.**



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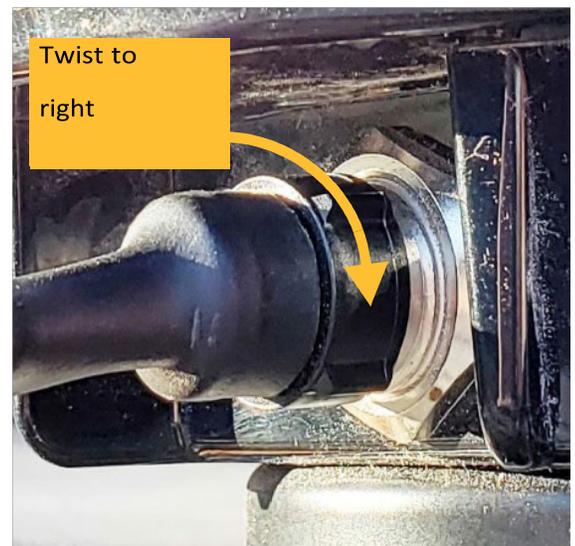
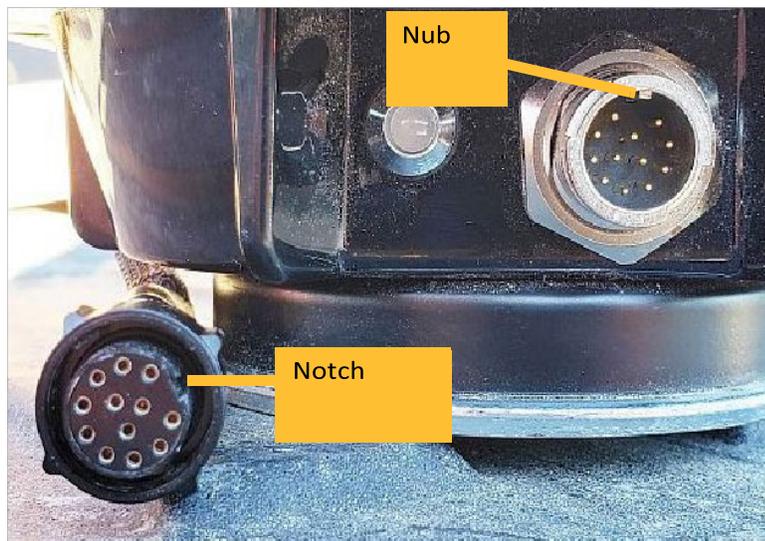
4. Remove the paper backing from the adhesive pad's bottom and install the Zinc mounting disk to the vehicle roof. Press the pad with mounting disk firmly against the vehicle for proper pad adhesion.
5. Ensure the antenna assembly (antenna, mount plate, threaded extension, magnetic mount) is securely tightened, then install to the Zinc mounting plate.
6. Now that the antenna is securely mounted to the vehicle, measure the antenna left offset or right offset (distance between the antenna center and the centerline – see figure above). **You will enter this value in the Whirl app during the vehicle setup and calibration.**
7. Measure the front or rear antenna pivot (distance between the antenna center and the vehicle pivot line – see figure above). **You will enter this value in the Whirl app during the vehicle setup and calibration.**

## STEP 4: Route and connect the cables

Using the “Wheelman Connection Diagram” as a guide, connect the cables included in your kit (main cable, Remote IMU cable, power switch cable) to the appropriate parts.

When routing and connecting cables:

- Stow cabling under carpets and at the edges of the cab.
- Store excess cable lengths with a minimum six-inch bend radius.
- Avoid high-temperature exposure (for example the exhaust, exhaust manifold).
- Hand tighten cables only—do not use tools.
- When connecting the main cable to the antenna, note the nub on the antenna's connector and the notch on the cable end (see pictures below). To connect the cable, align the notch with the nub, push the cable onto the antenna connector, then twist to the right to lock it in place.



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**Pro Tip:** Some machines are equipped with pop out tabs that you can remove and replace with the power switch (see below, left). If no tab is available, you can use the power switch bracket (see below, right), mounting it to the cab in your preferred location. Always turn the power switch off before connecting the main cable to the battery.

