

Masts

GROUND SCREW

To simplify the installation process, we are now using the green ground screw in place of the ground lug for most install situations. This will now be the preferred method for providing continuity between the dish mast and messenger cable in the grounding system. In the future, the green ground screw will come pre-installed on masts to further simplify installations.

Why It's Important

The green ground screw simplifies installations and reduces installation cost. Unlike the ground lug, technicians no longer need to scrape paint off the mast to ensure electrical continuity. This will save time and effort.

1. Install the Green Ground Screw

Begin by threading the green ground screw into one of the small holes located on the footplate (Figure 1/ Figure 2). Thread the green ground screw (Figure 3) using the 1/4" driver of your 6-in-1 screwdriver (Figure 4). Tighten the green ground screw just enough so that the messenger wire can still fit behind it.

Figure 1: Correct (footplate, small-hole side)



Figure 2: Wrong (footplate, large-hole side)



Figure 3: Ground screw threaded



Figure 4: 1/4" Driver on 6-in-1 screwdriver





2. Prepare the Messenger Cable

Separate a short section of the messenger wire from the cable and strip the plastic coating off the end (Figure 5). Once the coating has been peeled off, create a "U" shape with the bare end of the messenger wire. This "U" shape will be used to wrap around the ground screw.

Figure 5: Messenger wire separated



Figure 6: "U" shape



3. Finish the Green Ground Screw Installation

Now take the "U"-shaped end of the messenger wire and hook it around the green ground screw (Figure 7). The wire should extend from the cable to the ground screw in as straight a manner as possible with no twisting or sharp bends. Hooking the "U" shape so that the end is in a clockwise orientation will allow for the best results. Then tighten the ground screw, making sure that the messenger wire is pinched between the head of the screw and the food plate (Figure 8).

Figure 7: Hooked clockwise (when the screw is tightened, it "grabs" the messenger wire)

Figure 8: Tighten the green ground screw

Masts



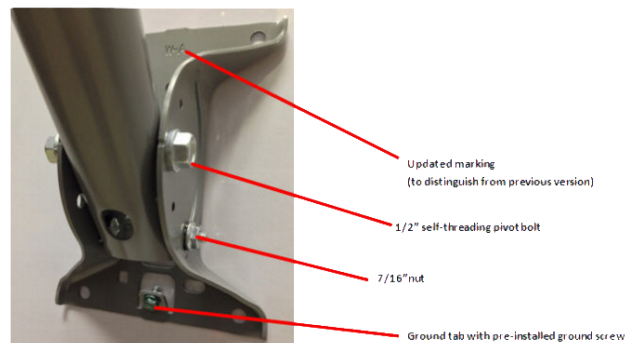
Each green ground screw is intended for a single messenger wire. The green ground screw will be available for use in most instances; however, there are times that a ground lug will still be necessary. As a result, In-Home Services (IHS) will continue to provide ground lugs for those specific situations (e.g. when installing wing dishes and mounts that do not utilize a foot plate).

SHORT MAST/FOOT ASSEMBLY

The short mast/foot assembly is now available to use in installations.

Why It's Important

- The short mast/foot assembly reduces movement at the pivot point. This makes it easier to plumb and level the mast and the increased clamp strength will help reduce the possibility of movement during high winds.
- The assembly also makes installation easier since it comes with a pre-installed ground screw.



What I Need to Do

- Use the assembly for short masts on installations that require 500/500+, 1000/1000+, 1000.2, and 1000.4 (without struts)
- Loosen the 1/2" pivot point bolts prior to mounting
- Follow all professional standard installation rules, standard mounting instructions, and wear proper PPE

Masts

- Tighten the assembly hardware only using the 7/16" wrench and 1/2" socket

Inventory

- Continue to use the previous short mast/foot assembly until out of stock
- DPO orders will continue to supply the previous assembly until the full transition has been made to the newer version
- P/N: 173152, MASTFOOT, SHORT, W/ GROUND TAB

Use with the Angled Fascia Mount

1. The short mast/foot assembly comes pre-built with hardware attached.



2. To use the short mast with the angled fascia mount, first disassemble the hardware from the short mast/foot assembly.



3. Save the hardware. This will be used to assemble the angled fascia mount. Return the unused footplate (A) to the warehouse for disposal/recycling. The angled fascia mount comes with a footplate (B) and hardware (C). Return the hardware to the warehouse for disposal/recycle. The single pivot bolt will not fit the short mast.



Masts

4. Assemble the angled fascia mount with the hardware you saved from the short mast/foot assembly.

