



Installation Instructions

DGK125F\FU\FP Battery Tender

Kit Contents:

- (1) Battery Tender Charger\Maintainer



- (4) Each - 8-32 x 3/4" stainless steel screw, 8-32 stainless steel flat washers and 8-32 stainless steel lock nuts.
- (1) M8x1.25x20mm stainless steel bolt
- Cable ties



- (1) DGK125F\FU\FP Battery Tender Installation Template

Tools & Materials Required:

- 9 mm combination wrench
- Masking tape
- Electrical tape
- Scissors
- Safety knife
- Center point
- Deburring tool
- 1/8" drill bit
- 13/64" drill bit
- Drill (electric or cordless)
- #2 Phillips screwdriver
- Cordless Driver with #2 Phillips (optional)
- 3/8 ratchet or driver with 3" extension
- 10 mm socket - 3/8 drive
- Side cutters
- 13 mm socket - 3/8 drive
- 1/2" ratchet wrench or equivalent
- 13 mm ratchet wrench or equivalent

INSTALLATION INSTRUCTIONS

- Step 1: Verify Kit Contents
- Step 2: Read through installation instructions before beginning the procedure.
- Step 3: Release the Left Enclosure Door latch. (Figure 1) and open both doors.



Figure 1

- Step 4: Remove nut and washer securing NEGATIVE battery cable to NEGATIVE terminal using a 13mm wrench. (Figure 2)



Figure 2

- Step 5: Position the negative battery cable out of the way, then reinstall washer and nut to battery terminal. (Figure 3)

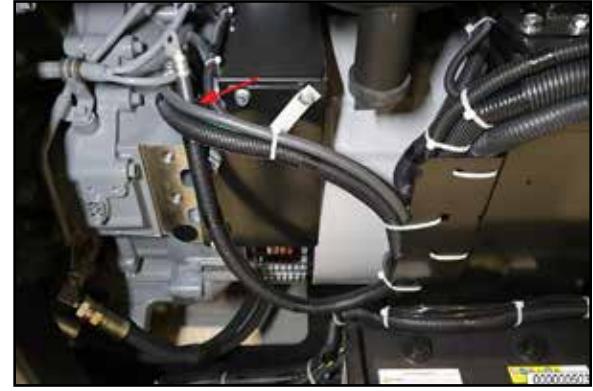


Figure 3

- Step 6: Prepare battery tender installation template for use; using scissors or safety knife, cut out the template following the dashed lines.

- Step 7: The Battery Tender is to be mounted to the Center Frame Left Side Vertical Mounting Bracket, directly behind the battery. Align the top and left edges of the template with the top seam and left edge of this mounting bracket as shown. Tape the template into place. (Figure 4)



Figure 4

- Step 10: Follow the notes on the template; first use a center point to mark the hole locations, then using a drill and a 1/8" drill bit, drill four pilot holes through the template into the Center Frame Left Side Vertical Mounting Bracket, then enlarge the holes using a 13/64" drill bit. Remove the template, then debur the holes. (Figure 5)



Figure 5

- Step 11: Attach the Battery Tender to the Center Frame Left Side Vertical Mounting Bracket using the four (4) bolts, four (4) flat washers and four (4) locknuts supplied in the kit. The washers and lock nuts are used on the backside of the Vertical Mounting Braket. Snug the bolts only. (Figure 6)



Figure 6

- Step 12: Route the battery tender A\C power cable down along the existing cables behind cabinet, securing it to the existing power cables using cable ties as shown. (Figure 7)
- Step 13: Remove the electrical tape covering one of the electrical receptacles; plug the battery tender A\C power cord into the shore power receptacle. Tape the joined plugs (Battery Tender A/C Power Plug and Shore Power Receptical) to prevent them from possibly becoming disconnected. (Figure 7)

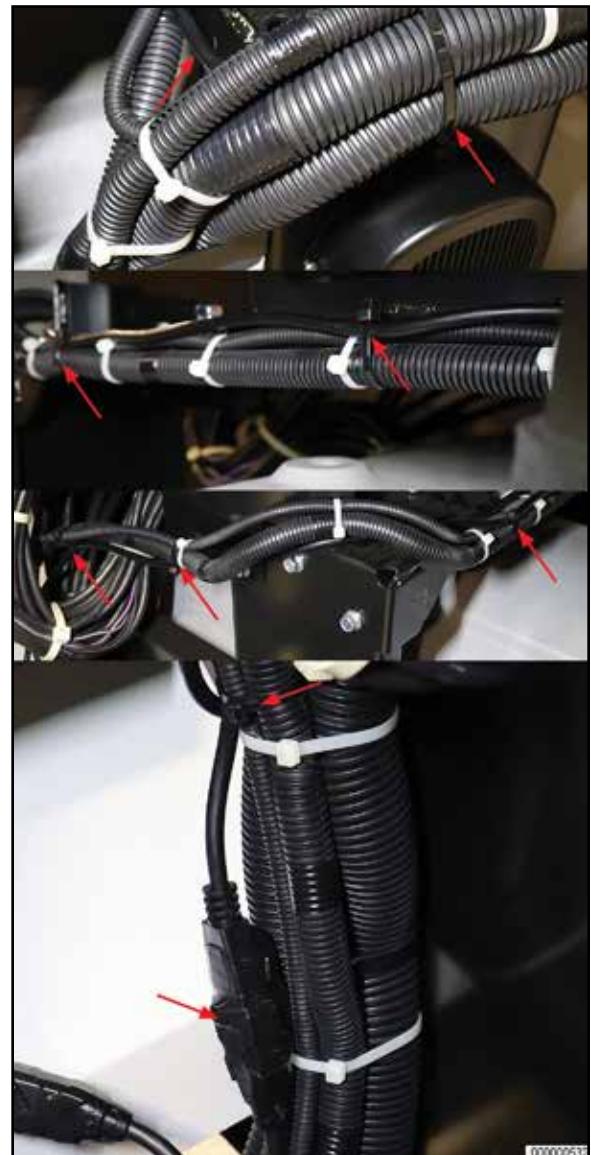


Figure 7

- Step 14: Locate the Battery Tender to Battery Cable in kit. (Figure 8)

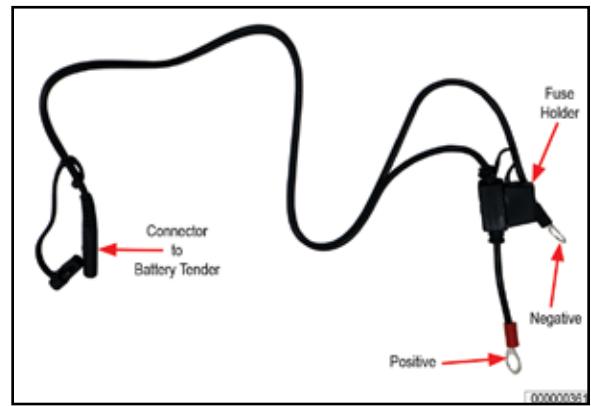


Figure 8

- Step 15: Using a 1/2 inch ratchet wrench, remove the **POSITIVE** Battery Bolt and discard bolt. Route the red wire from the Battery Tender to Battery Cable through the RED terminal cover, then combine RED wire lead from Battery Tender connector with cable (as shown). Attach to **POSITIVE** side of battery using new bolt from kit and 13mm ratchet wrench. **DO NOT OVERTIGHTEN** - Snug bolt (Figure 9)



Figure 9

- Step 16: Remove bolt and lockwasher from **NEGATIVE** battery terminal. Reposition and reattach **NEGATIVE** battery cable to **NEGATIVE** battery terminal, adding the new negative wire lead from Battery Tender to Negative battery cable. Secure the bolt and washer using a 13mm wrench. **DO NOT OVERTIGHTEN** bolt - Snug only. (Figure 10)



Figure 10

- Step 17: Connect plug ends (from Battery Tender to the the Battery Cable Ends). To prevent plugs from separating, secure with electrical tape. (Figure 11)



Figure 11

- Step 18: Secure the Battery Tender battery leads to existing cable harnesses using cable ties. Remove excess cable tie material (tails) where ever they are still present. (Figure 12)
- Step 19: Close Left Enclosure Doors making sure the latch fully engages.

Installation of the Battery Tender is now complete.



Figure 12