



Welder-Generators

Battery Tender Kit Installation Instructions

The following instructions are intended to assist the user in the installation of the 12V/5A Battery Tender on DA/DC Generator or Diesel Powered Welders. It is recommended the following procedure be performed by a qualified service technician. Please read all assembly instructions before installing the kit.

REQUIRED TOOLS

- 10mm, 13mm socket or wrench
- 11/64" Drill Bit
- Zip Ties
- Shop Towels
- Vacuum w/ Extension
- Straight-Edge Ruler/Tape Measure

PARTS

Verify that all parts are accounted for. See Figure 1 and Table 1.

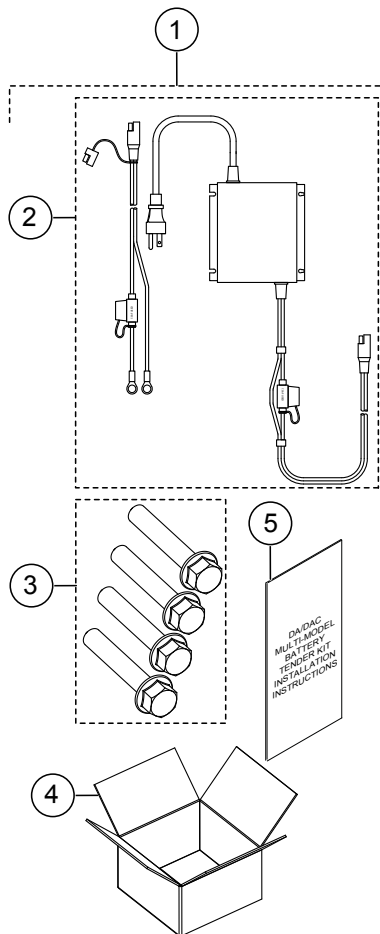


Figure 1. Battery Tender Installation Kit

Table 1. Battery Tender Installation Kit

Item No.	Part No.	Description	QTY.	Remarks
1	13545	Kit, Battery Tender Kit	1	Includes items 2-5
2	EE2638	12V/5A Battery Tender	1	
3	34308	Screw, HHF, #10-32 x 5/8", Type F, ZP	4	
4	777334	Box, 51-ECT DBL Wall, 12x12x6	1	
5	14255	Instructions, Kit, Battery Tender Kit	1	

WORK SAFELY!

Only a **qualified service technician** with proper training should perform this installation. Follow all shop safety rules when performing this installation.

PREPARATION

1. Make sure generator is turned off and engine is cool.
2. Place the generator in an area free of dirt and debris. Make sure it is on secure level ground. If trailer mounted, place chock blocks underneath each wheel to prevent the generator from rolling.
3. Open the right side cabinet panel to gain access to the engine fuel supply and battery location.

NOTICE

The following instructions are for the installation of the battery tender on the DA/DAC 7000 welder-generator models. Other generator-welder models that can benefit from this kit includes: SDW225, DLW300ESA1, DLW330X2, and DLW400ESA4.

BATTERY CABLE DISCONNECTION

1. Disconnect the negative cable (**BLACK**) from the negative terminal on the battery. See Figure 2.

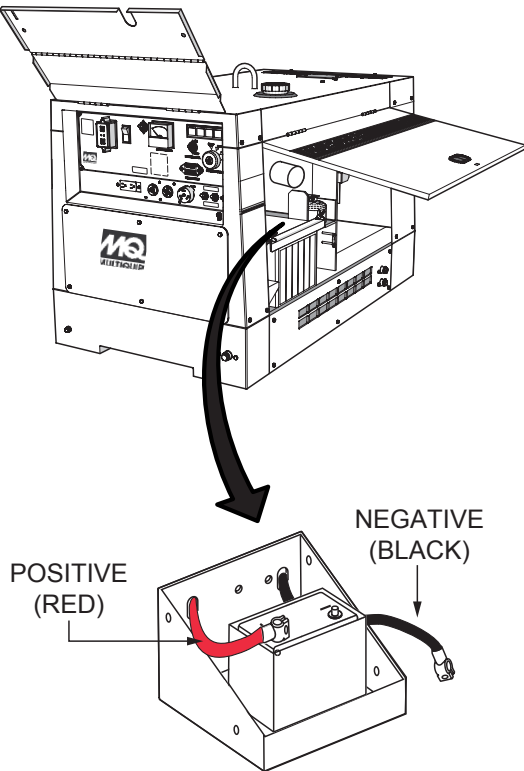


Figure 2. Battery Cable Disconnection

FRONT PANEL SCREW REMOVAL

1. Using a 10mm socket, remove the front panel screws (6) as shown in Figure 3.

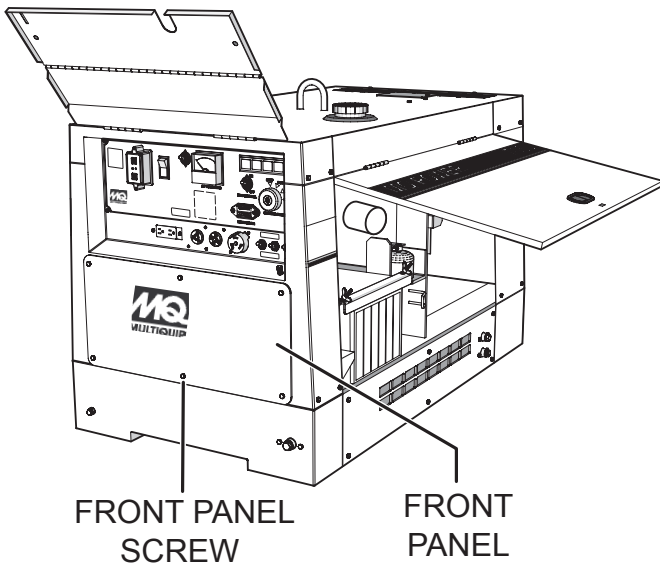


Figure 3. Front Panel Hardware Removal

2. Set the front panel aside in a safe location.

MOUNTING THE BATTERY TENDER

NOTICE

Some DA/DAC Series Generators may have battery tender mounting holes pre-drilled. If pre-drilled are present, skip this section and proceed to the **Wiring Connections and Cable Routing** section.

1. Using a straight-edge ruler or tape measure, position the battery tender (Figure 4) 3-1/2" from each side of the generator support plate, and on the edge furthest from the generator housing.

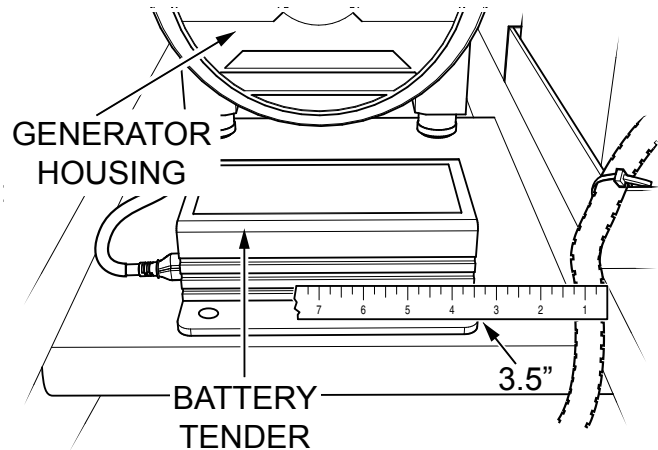


Figure 4. Positioning Battery Tender Charger

NOTICE

When mounting battery tender charger to a welder-generator unit, the mounting will differ from Figure 4.

2. Once positioned, mark the four screw mounting locations as shown in Figure 5.

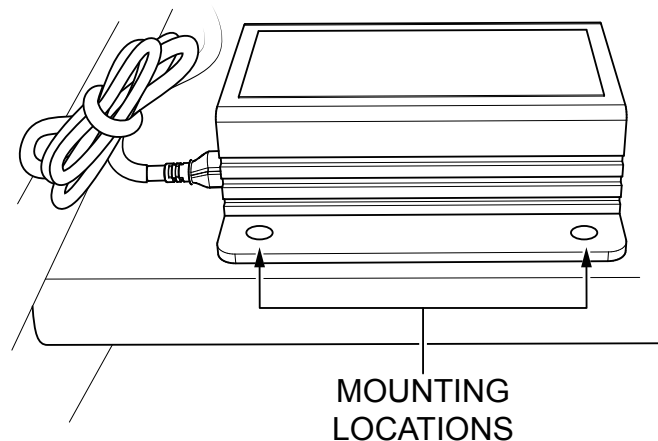


Figure 5. Battery Tender Mounting Locations

- Cover the generator and other electronic components (Figure 6) to prevent loose metal shavings from being picked up during operation. Place a sheet of paper below the generator support plate to catch loose metal shavings.

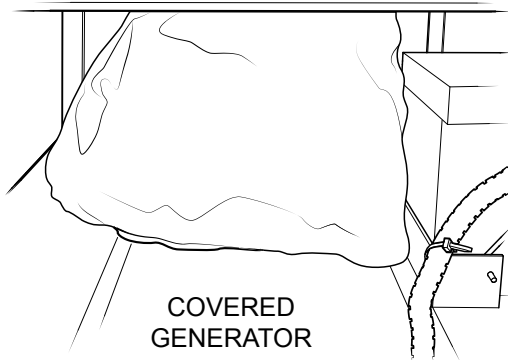


Figure 6. Covered Generator

NOTICE

It is recommended that light drilling oil be used on the drilling locations to help contain loose metal shavings and improve drilling efficiency.

- Using a 11/64" drill bit (Figure 7), drill out four holes per the marked mounting locations.
- Using a 13mm socket, secure the battery tender to the generator support plate (Figure 7) using four HHF #10-32 x 5/8" screws.

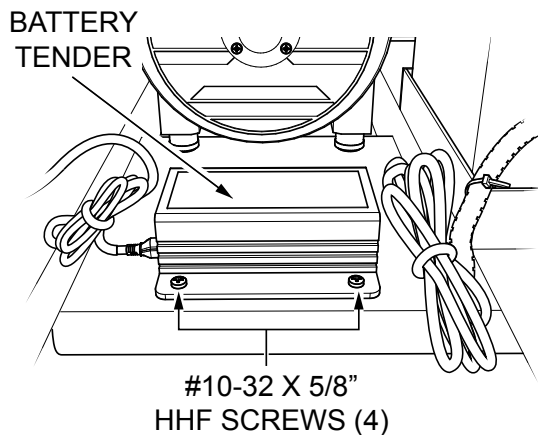


Figure 7. Securing Battery Tender Charger

NOTICE

It is recommended to use a vacuum with extension to help clean up metal shavings that may be missed from the drilling oil and paper.

WIRING CONNECTIONS AND CABLE ROUTING

- Locate the battery tender DC power cable.
- Connect the DC power cable (Figure 8) positive terminal spade to the positive battery post and the negative terminal spade to the negative battery post.

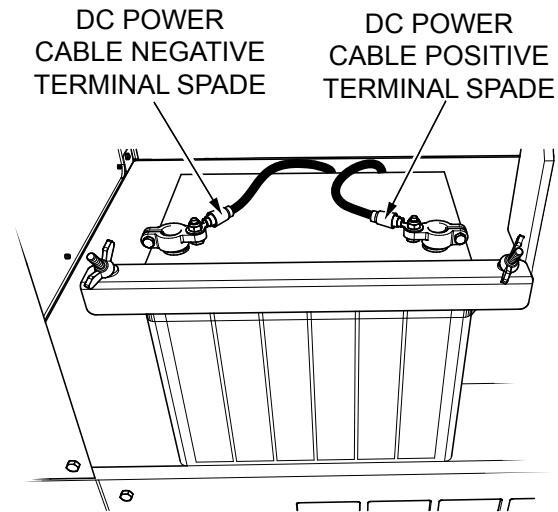


Figure 8. Battery Tender Cable Routing

- Route the other end of the DC power cable (Figure 9) back to the battery tender charger.
- Using zip ties (Figure 9), fasten the DC power cable to the existing wiring harness.

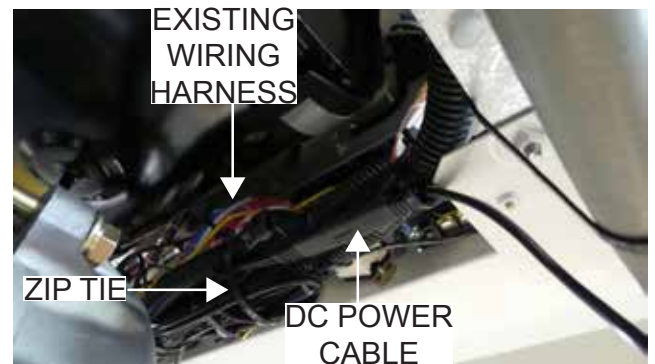


Figure 9. Zip Tie Cable Routing

POST-INSTALLATION TESTING

- Reconnect the negative cable (**BLACK**) to the negative terminal on the battery.
- Using a 10mm socket, reinstall the front panel.
- Make sure the work area and generator are free of any loose hardware or debris.



Multi-Model Series Generators

Multi-Model Battery Tender Kit Installation Instructions

HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL
NUMBER ON-HAND WHEN CALLING

UNITED STATES

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310-537-3700

Technical Assistance

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MQ Parts Department

800-427-1244 Fax: 800-672-7877
310-537-3700 Fax: 310-637-3284

Warranty Department

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