

Instruction Manual

Battery Charger Extender

309499 rev.C

Model 117435, Battery Charger Extender (North America only)



Do not use 117435 extender with Australian 4-bay charger (120107).

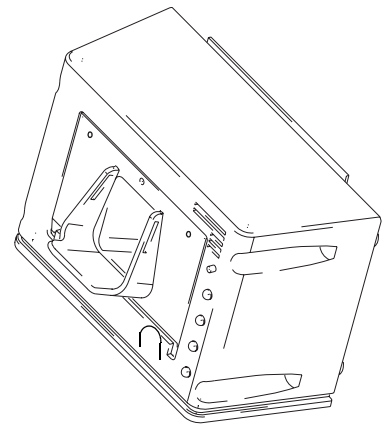


Important Safety Instructions

Read all warnings and instructions in this manual.
Save these instructions.

CAUTION

The Graco Matrix Battery Charger Extender must only be used with the Matrix Fluid Management System. The Graco warranty is void if the battery charger, extender, or batteries are used with a non-Graco product.



Model 117435 Battery Charger
Extension Shown


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PROVEN QUALITY. LEADING TECHNOLOGY.

Symbols

Manual Conventions

 **WARNING**



WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.






CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in property damage or destruction of equipment.

Note



A note indicates additional helpful information.

 WARNING	
	<p>FIRE AND EXPLOSION HAZARD</p> <p>When flammable fluids are present in the work area, such as gasoline and windshield wiper fluid, be aware that flammable fumes can ignite or explode. To help prevent fire and explosion:</p> <ul style="list-style-type: none"> • Use equipment only in well ventilated area. • Eliminate all ignition sources, such as cigarettes and portable electric lamps. • Keep work area free of debris, including rags and spilled or open containers of solvent and gasoline. • Do not plug or unplug power cords or turn lights on or off when flammable fumes are present. • Ground equipment. • Use only grounded hoses. • If there is static sparking or you feel a shock, stop operation immediately. Do not use equipment until you identify and correct the problem.
	<p>BATTERY SAFETY</p> <p>The battery may leak, explode, cause burns, or cause an explosion if mishandled:</p> <ul style="list-style-type: none"> • You must use the battery type specified for use with the equipment. • Sparking can occur when changing batteries. Only replace the battery in a non-hazardous location, away from flammable fluids or fumes. • Handle and dispose of battery properly - do not short circuit, charge, force over discharge, disassemble, crush, penetrate, incinerate, or heat the battery to a temperature exceeding 185° F (85° C).
	<p>EQUIPMENT MISUSE HAZARD</p> <p>Misuse can cause death or serious injury.</p> <ul style="list-style-type: none"> • Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See Technical Data in all equipment manuals. • Use fluids and solvents that are compatible with equipment wetted parts. See Technical Data in all equipment manuals. Read fluid and solvent manufacturer's warnings. • Check equipment daily. Repair or replace worn or damaged parts immediately. • Do not alter or modify equipment. • Use equipment only for its intended purpose. Call your Graco distributor for information. • Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces. • Do not use hoses to pull equipment. • For professional use only. • Comply with all applicable safety regulations.
	<p>ELECTRIC SHOCK HAZARD</p> <p>Improper grounding, setup, or usage of the system can cause electric shock.</p> <ul style="list-style-type: none"> • Turn off and disconnect power cord before servicing equipment. • Use only grounded electrical outlets. • Use only 3-wire extension cords. • Ensure ground prongs are intact on sprayer and extension cords.

Overview

Battery Extender Part No.117435 - is intended for use as an extender for Battery Charger Model 117429. Adding one or two extenders (Part # 117435) can turn a four bay unit (Model 117429) into a five or six bay unit.

Note: The maximum number of extenders that can be added to Model 117429 is two, turning the four bay into a six bay charger.




NOTE: The extender (part no. 117435) can only be used with Model 117429.

Installation

Follow this procedure to install one or two single extender units onto a four bay battery charger unit (Model 117429).

Disassembly

⚠ WARNING

Read warnings, page 2. To reduce the risk of a fire, explosion electric shock and serious burns to the body, be sure to disconnect power to the battery charging unit before disassembly.

1. Disconnect power to the battery charging unit.
2. Place the four bay charger face down on a flat surface.
3. With the power supply cord away from you, remove the four screws (A) from each corner of the bottom (last) charger. See Fig. 1.

Note: Do not remove the flat metal plate (B) from the charging unit.

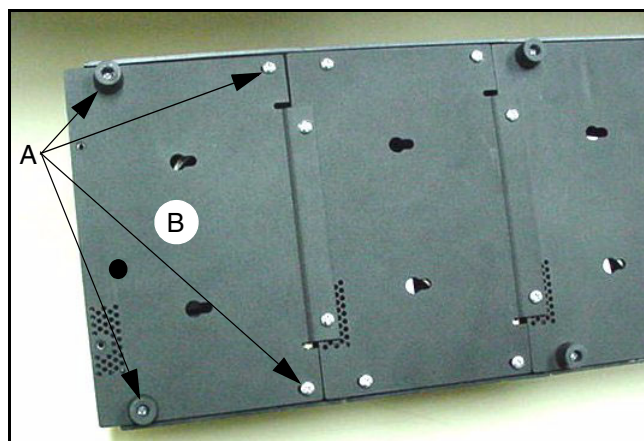


FIG. 1

4. Holding the cover in place, turn the charger face up and place it on a flat surface.
5. Lift the cover off the end unit charger being careful not to damage the ribbon cable that connects the electronics board to the battery charging board.
6. Place the cover on its side to the left of the charger unit.
7. Unplug the 2 wire connector (C) and set the charger cover aside.

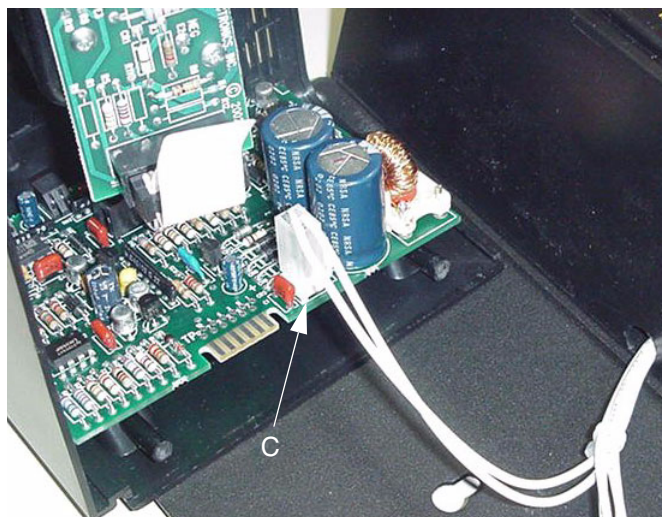


FIG. 2

Assembly

1. Remove the extender unit parts from the shipping box.
2. Remove the four screws that hold the extender cover to the flat metal plate.
3. Using the two screws provided, bolt the flat metal plate received with the new extender unit to the bottom of the four bay charger.

CAUTION

In step 4, do not plug the connector onto the board in the wrong direction. Damage to the plug or electrical components can occur.

4. Fasten the two-wire connector (C) (this was disconnected in **Disassembly** step 7) to the new extender unit. Make sure the plug step is positioned towards the white connector. See FIG. 2.
5. Locate the bundle of wires (F) that extends through the hole of the charger and remove the rubber band. See FIG. 3.

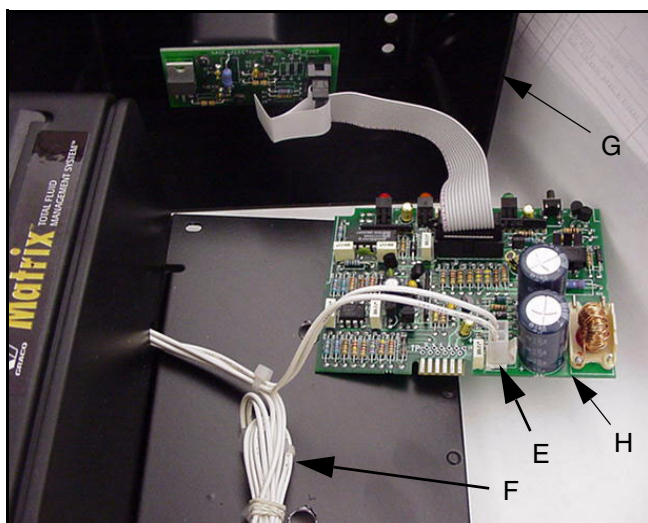


FIG. 3

Note: There are two wires in the bundle. One wire is longer than the other. If you are adding just one extender use the shorter wire of the two. If two extenders will be added both wires are needed.

6. Locate the cutout on the new extender unit and run the wire set through it.

Note: The charging board (H) may need to be repositioned within the charger cover (G) before the charger cover can be attached to the flat metal plate. Slide the charging board (H) into the cover (G) using the two grooves at the top of the unit. When correctly positioned, the LEDs should extend through the holes at the top of the cover. See FIG. 3.

7. Hold the board in place and turn the extender unit face up and place it onto the original flat metal plate of the four bay charger. Make sure the wires are routed through the opening on the extender unit cover.
8. Holding the cover in place on the four bay charger, turn the charging unit face down and insert the four screws supplied with the extender unit which secure the cover to the flat metal plate.

Note: Repeat steps 1 through step 8 if adding another extension or proceed to step 9 if no more extensions will be added.

9. Turn the four bay charging unit over with face up.

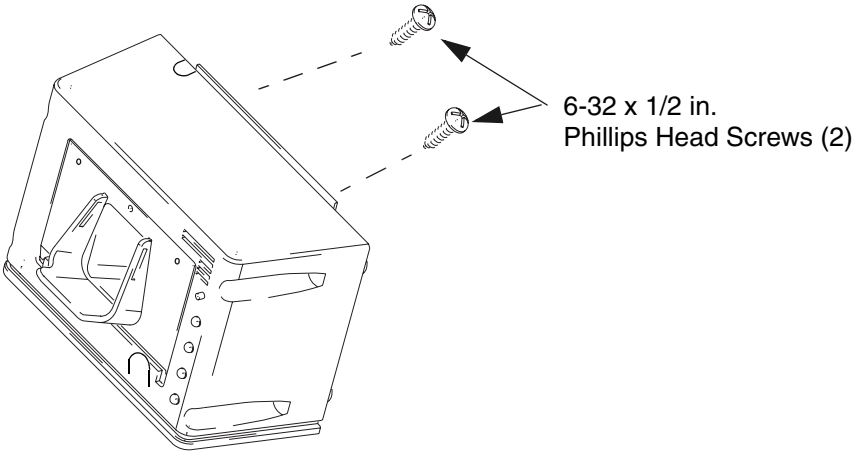
CAUTION

In step 10, do not plug the connector onto the board in the wrong direction. Damage to the plug or electrical components can occur.

10. Connect the shorter wire (F) to the connector (E) on the original end unit charger that was removed during the disassembly procedure. See FIG. 3. Make sure the plug step is positioned towards the white connector (E).
11. If one extender was added, coil up the remaining wire (F) and place it inside the last charger unit.
12. Hold the board in place and turn the end unit charger cover face up and place it onto the flat metal bracket that was added to the four bay charger.
13. Turn the charging unit face down and insert the four screws which secure the end unit cover to the flat metal plate.
14. Place the charging unit back into production and restore power to it.

Parts

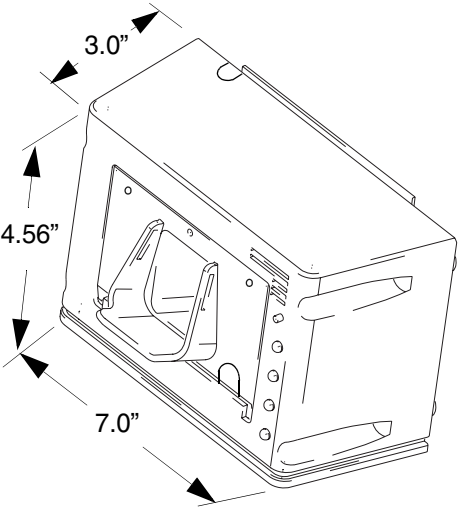
Part No. 117435 Extension Unit



Technical Data

Weight Single Bay Extender	2.12 lbs (0.96 kg)
Operating Voltage	120 VAC
Operating Temperature Range	0° to 50°C (32°F to 122°F)
Storage Humidity Range	0%-95% relative humidity, non-condensing
Storage Temperature Range	-40° to 85° (-40°F to 185°F)

Dimensions



Graco Standard Warranty

Graco warrants all equipment manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twenty-four months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

Graco makes no warranty, and disclaims all implied warranties of merchantability and fitness for a particular purpose in connection with accessories, equipment, materials or components sold but not manufactured by Graco. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

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Graco Phone Numbers

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:

1-800-533-9655 Toll Free

612-623-6928

612-378-3590 Fax

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