



INSTALLATION MANUAL
MODEL #100376
WET WEATHER GENERATOR COVER
3,000-10,000 WATT MODELS



SAVE THESE INSTRUCTIONS. This manual contains important safety precautions which should be read and understood before operating the product. Failure to do so could result in serious injury. This manual should remain with the product.

Specifications, descriptions and illustrations in this manual are as accurate as known at the time of publication, but are subject to change without notice.

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INTRODUCTION

Every effort has been made to ensure the accuracy and completeness of the information in this manual at the time of publication, and we reserve the right to change, alter and/or improve the product and this document at any time without prior notice.

We highly value how our products are designed, manufactured, operated, and serviced as well as providing safety to the operator and those around the generator. Therefore, it is **IMPORTANT** to review this product manual and other product materials thoroughly and be fully aware and knowledgeable of the assembly, operation, dangers and maintenance of the product before use. Fully familiarize yourself, and make sure others who plan on operating the product fully familiarize themselves too, with the proper safety and operation procedures before each use. Please always exercise common sense and always err on the side of caution when operating the product to ensure no accident, property damage, or injury occurs.

When contacting about parts and/or service, you will need to supply the complete model and serial numbers of your product. Transcribe the information found on your product's nameplate label to the table.

CUSTOMER SUPPORT

MODEL NUMBER

100376

SERIAL NUMBER

DATE OF PURCHASE

PURCHASE LOCATION

SAFETY DEFINITIONS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and their explanations, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

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

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

IMPORTANT PRODUCT SAFETY

WARNING

Always shut generator off before any fueling or maintenance procedures.

WARNING

Running engines produce heat. Severe burns can occur on contact. Combustible material can catch fire on contact.

DO NOT touch hot surfaces. Avoid contact with hot exhaust gases. Allow equipment to cool before touching. Maintain at least 3 ft. (91.4 cm) of clearance on all sides to ensure adequate cooling. Maintain at least 5 ft. (1.5 m) of clearance from combustible materials.

WARNING

NEVER position the refueling door on the same side of the generator as the exhaust muffler. Spilled gasoline can result in fire.

DANGER

Generator exhaust contains carbon monoxide, a colorless, odorless, poison gas. Breathing carbon monoxide will cause nausea, dizziness, fainting or death. If you start to feel dizzy or weak, get to fresh air immediately.

Operate generator outdoors only in a well ventilated area.

DO NOT operate the generator inside any building, including garages, basements, crawlspaces and sheds, enclosure or compartment, including the generator compartment of a recreational vehicle.

DO NOT allow exhaust fumes to enter a confined area through windows, doors, vents or other openings.

DANGER CARBON MONOXIDE: using a generator indoors CAN KILL YOU IN MINUTES.

WARNING

NEVER block or cover the generator exhaust muffler in any way. StormShield canopy must be installed above generator exhaust muffler. Install StormShield electrical skirts such that they cannot block exhaust in any way. Keep the StormShield canopy at least 6 inches away from direct contact with the exhaust.

WARNING

ALWAYS install included washer between the knob and the clamp base AND between the bolt head and clamp base. Tightening the knob without using the washer VOIDS the WARRANTY as it risks breakage.

WARNING

NEVER use the StormShield on a generator whose muffler is openly exposed at the top of the generator. These generators are disqualified and VOID the WARRANTY of the StormShield.

CAUTION

Over tightening clamps should be avoided. Two turns after the knob seats to the washer/clamp is enough.

If you notice the mouth of the clamp pulling away from the frame, the clamping strength has been reduced and the knob should be loosened.

CAUTION

Always grasp fiberglass rods firmly during installation to avoid the whipping motion that can occur when a bent fiberglass rod is mistakenly released.

⚠ CAUTION

Avoid using your portable generator in hurricane force winds above 70mph. (112.7 km/h)

💬 NOTICE

Should StormShield cover block pull starter, it is advisable to release the elastic straps on the pull starter side and temporarily move StormShield canopy out of the way.

💬 NOTICE

When using StormShield during snow storms, it is recommended to periodically brush away any accumulation that blocks the top vent.

💬 NOTICE

Should generator handle cause significant stretching of the elastic straps when extended, it is advisable to release the elastics straps on the handle side of the generator before extending generator handles.

PACKAGE CONTENTS



Your StormShield Wet Weather Generator Cover ships with the following parts:

Product and Safety Manual	1
StormShield Canopy	1
Omnifit Side Electrical Apron (std opaque).....	1
Central Connector with Vent Rod.....	1
40 in. (101.6 cm) Fiberglass Frame Rods.....	4
StormShield Clamp Main Body	4
StormShield Clamp Telescoping Rod	4
Self Locking StormShield Clamp Knobs.....	4
StormShield Clamp Washers	8
1/4 -20 x 1.25 in. (1/4-20 x 3.2 cm)	
Stainless Steel Carriage Bolts	4
StormShield Clamp Rubber Sleeves.....	4
Telescoping Rod Set Pins	4

ASSEMBLY

Installation Overview

The Storm Shield 100376 installs in three easy steps:

Strap it: Install 4 clamps and set the telescoping rod length.

Frame it: Install frame rod to the center connector, then into the correct hole in the telescoping rod and repeat.

Cover it: Slide the StormShield canopy over the frame and secure by sliding the elastic straps over and behind the clamp telescoping rod.

NOTICE

In some cases adaptation of the portable generator frame is required to create a proper mounting point for the StormShield clamps. Most Champion branded portable generators do not need adaptation.

1. One corner needs to be adapted because:
 - 1a. A muffler heat shield or other panel is connected to a frame member that otherwise blocks the StormShield clamp from attaching directly to the proper location.
2. Four corners need to be adapted because:
 - 2a. The portable generator uses a square tubular frame that must be adapted to the round openings of the StormShield clamps.
 - 2b. The portable generator is a very small frame and requires length and width extension (see Clamp Adjustment tables on page 10).
 - 2c. Certain small Champion generators whose frame perimeter (length and width not including wheels or handles) is between 75 in. (190.5 cm) and 80 in. (203.2 cm) fall into the small frame category.

Once the StormShield is installed, it can be left in place during generator storage or easily removed and stored separately. Should you wish to store the generator with the StormShield attached, we recommend releasing the elastic straps in order to keep them fresh and ready.

Install StormShield Clamps on Generator Frame

1.) Determine whether the Rubber Sleeves are required

The StormShield Clamp kit includes 4 rubber sleeve adapters meant for use on frame diameters less than 1.5 in. If you do not know the diameter of your frame, wrap a slit of paper or string around the frame tube, marking where the beginning and end cross. Lay it on the "Frame Diameter Tool" to determine if the rubber sleeves should be used.

2.) Assemble Clamp Parts

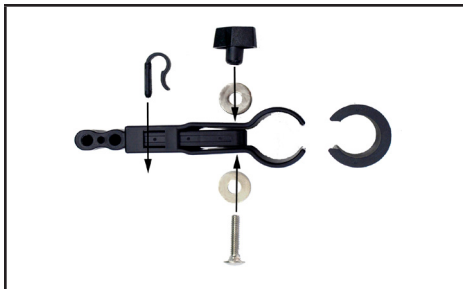
WARNING

ALWAYS install included washer between the knob and the clamp base AND between the bolt head and clamp base. Tightening the knob without using the washer VOIDS the WARRANTY as it risks breakage.

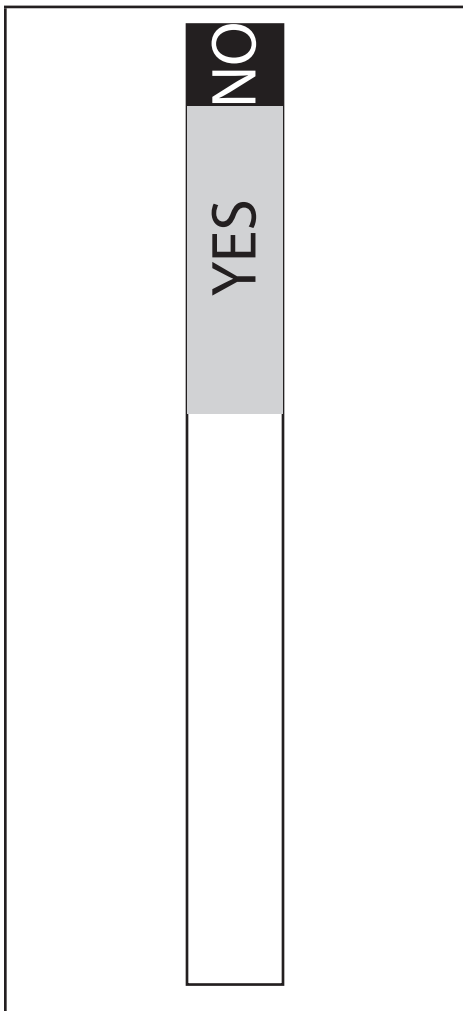
NOTICE

It is very important that washers always be used between the knob and clamp body as well as between the bolt and the clamp body.

1. Slide telescoping rods into clamp bodies.
2. Install set pins through clamp bodies and telescoping rods.
3. Install washer on bolt and bolt through one end and into clamp.
4. Loosely install washer and self-locking knob onto carriage bolt.



Frame Diameter Tool



3.) Install Clamp on Generator Frame (or Frame Adapter)

The top edge of the first clamp should be installed below the electrical panel on your generator at the lower of these two measurements:

1. 9 in. (22.9 cm) below where the gas tank meets the frame, or
2. Directly below the electrical panel

NOTICE

The goal is for the bottom of the main canopy to be at or slightly below where the tank connects to the frame; this way water can't get on the tank and trickle toward the outlets. Further, the top of the clamp should be located under the bottom of the lowest electrical outlet -- the electrical protection skirt will cover at least to the top of the clamp.

- 2a. For frames less than 1.5 in. (3.8 cm): slide rubber sleeve over frame member. Preferably position the rubber sleeve opening to face outward toward clamp opening (Fig. 3-A). (The rubber sleeve opening can face away from the clamp opening if this is not possible).
- 2b. Push clamp opening straight onto frame opening (Fig. 3-A). The clamp will pop over the frame. If rubber sleeve used, slide clamp up and over (Fig. 3-B). Do not over extend the mouth of the clamp!
- 2c. Position clamp diagonally from sides of the generator frame (Fig. 3-C).
- 2d. Tighten knob, centered on washer until clamp is firmly in place. This usually requires only 2 full turns once the knob/washer seat to the clamp body. Note that clamp strength is reduced by over-tightening as the clamp mouth pulls away from the frame. In this case, slightly release the tension on the knob.
- 2e. Repeat procedure on remaining three sides; position clamps at generally the same height.

TIP: For 1.5 in. (3.8 cm) frames, apply electrical tape to the frame where the clamp will connect for added grip. Contact support for other options should you need more grip on 1.5 in. (3.8 cm) frames.



Figure 3A



Figure 3B



Figure 3C

Champion StormShield Easy Adjustment Guide

Frame Length (inches)

	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28	28.5	29	29.5	30	30.5	31	31.5	32
22.5	3	3	3	3	3	2	2	2	2	1	1	1	1	0	0	0	0		
22	4	3	3	3	3	3	2	2	2	2	1	1	1	1	0	0	0		
21.5	4	4	3	3	3	3	2	2	2	2	1	1	1	1	0	0	0	0	
21	4	4	4	3	3	3	3	2	2	2	2	1	1	1	1	0	0	0	0
20.5	4	4	4	4	3	3	3	3	2	2	2	2	1	1	1	1	0	0	0
20	4	4	4	4	4	3	3	3	3	2	2	2	2	1	1	1	0	0	0
19.5	4	4	4	4	4	3	3	3	3	2	2	2	2	1	1	1	1	0	0
19	4	4	4	4	4	4	3	3	3	3	2	2	2	2	1	1	1	1	0
18.5	4	4	4	4	4	4	4	3	3	3	3	2	2	2	2	1	1	1	0
18	4	4	4	4	4	4	4	4	3	3	3	2	2	2	2	1	1	1	1
17.5	4	4	4	4	4	4	4	4	3	3	3	3	2	2	2	2	1	1	1
17	4	4	4	4	4	4	4	4	4	3	3	3	3	2	2	2	1	1	1
16.5	SMALL	4	4	4	4	4	4	4	4	4	3	3	3	2	2	2	2	1	1
16	SMALL	SMALL	4	4	4	4	4	4	4	4	3	3	3	3	2	2	2	2	1
			SMALL	4	4	4	4	4	4	4	4	3	3	3	2	2	2	2	1

Frame Width (inches)

Setting Notes:

0: Use inside frame rod slot on Storm Shield clamp telescoping rod

Small: Requires frame extension using GTU Frame Adapter

 Generator size beyond StormShield fit specification

4.) Set Rod Adjustment Pin

1. Reference Easy Adjustment Guide (previous page) for StormShield.
2. Measure length and width of generator frame to the outside of the frame members.
3. Find corresponding pin setting number in Easy Adjustment Guide.
4. Set the telescoping rod location (Fig. 4A and 4B) based on the setting number from the Easy Adjustment Guide and install set pin to secure.

NOTICE

- a. Rod location for setting 0 and 1 are the same (Fig. 4-A). Use the inside frame rod hole for setting 0 and the outside frame rod hole for settings 1-4.
- b. SMALL indicates that the use of a Four corner frame extension kit is required. The four corner frame extension kit is available directly from GenTent® Safety Canopies.



Figure 4A



Figure 4B

Install StormShield Frame on the StormShield Clamps

1. Position Central Connector with centered vent rod up (Fig. 5-A).
2. Position Central Connector so that short side and long side align with generator short and long sides, respectively.

NOTICE

Each frame rod goes into the Central Connector hole first and then into the corresponding clamp hole.

3. Insert a fiberglass frame rod into Central Connector hole until it stops (Fig. 5-A).

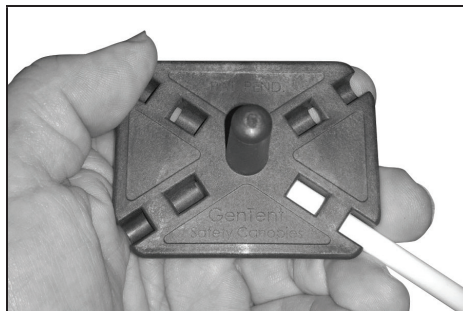


Figure 5A

4. Insert other end of the fiberglass rod fully into the correct clamp hole of the corresponding clamp (Fig. 5-B).
5. Insert second fiberglass rod fully into the opposite hole in the Central Connector.
6. Grasping the end of this fiberglass rod, bend toward the opposite side clamp and insert fully into the correct hole (Fig. 5-B).

CAUTION

Hold rod with two hands as shown; Fiberglass rod will be under tension, do not release!

7. Repeat for final two fiberglass rods (Fig. 5-C).
8. Recheck clamps; they should be firmly in place and may exhibit a slight upward lean.



Figure 5B



Figure 5C

Secure StormShield Canopy Over StormShield Frame

1. Position StormShield canopy over the frame. Be certain that the fueling door is not on the same side as the generator exhaust (Fig. 6-A).
2. Slide StormShield canopy over the frame so that all four corners are generally equal and level (Fig. 6-A).
3. Center StormShield canopy such that Vent Rod is centered under the top cap (Fig. 6-A).
4. Slide one corner elastic over the corresponding clamp telescoping rod and set it under the clamp body, behind the set pin (Fig. 6-B).
5. Repeat on opposite corner, then on the remaining two corners. Recheck and adjust canopy if necessary.
6. Adjust clamps left to right as necessary so that Cover seams generally match the frame rods.

7. Recheck clamps; they should be firmly in place and may exhibit a slight upward lean.



Figure 6A



Figure 6B

Select and Install Electrical Skirt

1. The electrical apron fits over the generator electrical panel. Simply center the apron on the panel and press it on. The apron can be adjusted to the left or right in order that it stays a minimum 4 inches away from the exhaust. Never block the exhaust!
2. Flip the over flap down and over the electrical skirt (Fig. 6-C).

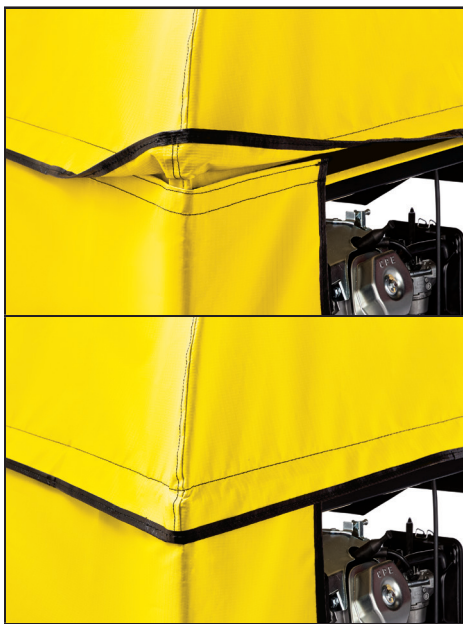


Figure 6C

NOTICE

The intent of the electrical skirt is to cover the electrical outlets in the front and about 6 in. (15.2 cm) around the adjacent sides. Do not cover other parts of your generator with the electrical skirts, especially the exhaust area!

Important StormShield Usage Tips

Proper Door Sealing Tip

The GenTent StormBracer® door wraps around the adjacent sides of the StormShield much like the skirts, forming a brace against storms. Each time you close the door, the touch fasteners must be wrapped around the side and pressed firmly back in place. If this is not done, holes may exist between the pieces of Velcro which can allow water to seep in.

In practice, the best way to achieve this is to close the door, then follow this procedure:

1. Align the door properly so that the side Velcro and lower touch fasteners are aligned as closely as possible and are touching.
2. Then starting at the top corner of the door pinch canopy around the frame rods and slide your hand to the bottom while pinching.
3. Repeat on the other side
4. Check the door sides to see if you can see any gaps in the touch fasteners sealing. Should there be any gaps, repeat the pinching procedure.

NOTICE

Pull the door down and connect the bottom touch fasteners first, then use the pinch & slide technique above to secure the sides. The bottom edge should cover the under flap stitching!

ACCESSORIES AND SPARES



BONUS BUYS



Storm Shield Mount Kit
For Champion Inverters
1000W-3000W
(Perimeter up to 76")

OR



Storm Shield Mount Kit
For Champion Inverters
3000W and above
(Perimeter up to 112")



Champion Storm Shield Clear Vinyl OmniFit Electrical Skirt



Champion Storm Shield Spares Kit



Champion Storm Shield Storage Bag



Champion Storm Shield Skirt
Convert to a full storage cover

