



# Installation Instructions

Heavy-Duty Water Filtration System  
GXWH35F (filters not included)

## SAFETY PRECAUTIONS

- Check with your state and local public works department for plumbing and sanitation codes. You must follow these guidelines as you install the Heavy-Duty Water Filtration System. Using a qualified installer is recommended.
- Be sure the water supply conforms with the Performance Data. If the water supply conditions are unknown, contact your municipal water company.

**⚠ WARNING:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

- It is highly recommended that a water shut-off valve be placed directly upstream of your household filter.

## PROPER INSTALLATION

*This Heavy-Duty Water Filtration System must be properly installed and located in accordance with the Installation Instructions before it is used.*

- *Check with your local public works department for plumbing codes. You must follow their guides as you install the Heavy-Duty Water Filtration System.*
- *Use the Heavy-Duty Water Filtration System on a potable, safe-to-drink, home COLD water supply only. The filter cartridge will not purify water or make unsafe water safe to drink.*
- *Protect the Heavy-Duty Water Filtration System and piping from freezing. Water freezing in the system will damage it.*
- *Your Heavy-Duty Water Filtration System will withstand up to 125 psi water pressure. If your house water supply pressure is higher than 80 psi during the day (it may reach higher levels at night), install a pressure-reducing valve before the system is installed.*

- Do not install on **HOT WATER**. The temperature of the water supply to the Heavy-Duty Water Filtration System must be between the minimum of 40°F. and the maximum of 100°F. See the *Performance Data* section.

- **Do not** install the Heavy-Duty Water Filtration System using copper solder fittings. The heat from the soldering process will damage the unit.

**⚠ WARNING:** Discard all unused parts and packaging material after installation. Small parts remaining after installation could be a choke hazard.

- **Do not** install filter in an outside location or anywhere it will be exposed to sunlight.

## REQUIRED TOOLS AND ACCESSORIES FOR INSTALLATION

- 2 Adjustable wrenches
- Pipe cutter
- Ruler or tape measure
- Cordless drill
- File
- Emery paper
- Screwdriver
- Additional installation parts may be required:
  - 2 fittings to connect household plumbing to 1" female NPTF threads on filter housing.
  - UL-approved grounding clamps and 6-gauge copper grounding wire.
  - Teflon tape

*Optional accessories are available (Visa, MasterCard or Discover cards accepted) by visiting our Website at [GEAppliances.com](http://GEAppliances.com) or from Parts and Accessories, call 800.626.2002 (U.S.) or 800.663.6060 (Canada).*

## CONTENTS INCLUDED WITH PRODUCT

- Filter housing and head
- Product literature
- Canister wrench
- Timer and batteries
- Mounting bracket
- 4 Hex-head screws and 4 Hex washer-head screws



GXWH35F is Tested and Certified by NSF International against NSF/ANSI Standard 42 with cartridge FXHTC for the reduction of Chlorine, Taste and Odor.

49-50201-6 (11-12 GE)

[GEAppliances.com](http://GEAppliances.com)

GENERAL ELECTRIC COMPANY, Appliance Park, Louisville, KY 40225

## CARTRIDGE SPECIFICATIONS

### Performance Data

This system has been tested according to NSF/ANSI 42 for the reduction of the substances listed at right. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42.

### FXHTC Cartridge

Substance	Influent Challenge Concentration	Reduction Requirements	Average Reduction
Standard 42			
Chlorine	2.0 mg/L ± 10%	≥ 50%	80%

#### Test Conditions

Flow Rate: 4 gpm (15.1 Lpm)  
 pH: 7.5 ± 1  
 Inlet Pressure: 60 PSI (4.1 bar)  
 Temperature: 68°F ± 5°F (19.8°C ± 2.5°C)

#### Operating Requirements

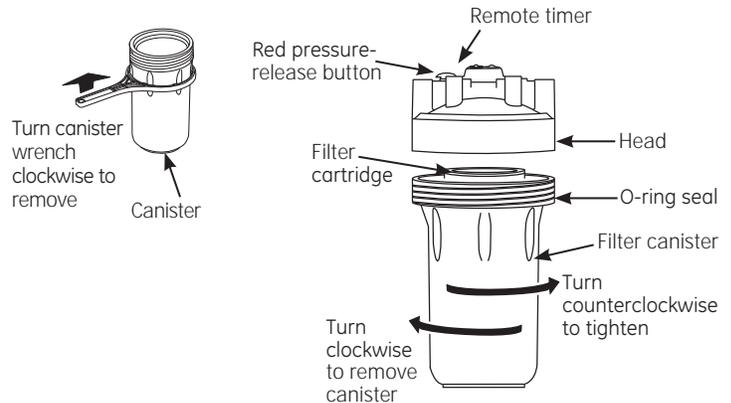
Pressure: 20–125 PSI (2.1–6.9 bar)  
 Turbidity: 5 NTU Max.  
 Temperature: 40°F–100°F (4.4°C–37.7°C)  
 Capacity: 30,000 gallons (113,562L) or 3 months

*Testing was performed under standard laboratory conditions; actual performance may vary.*

### Filter Cartridge Replacement

You should change your filter when the water flow is noticeably reduced or at least every 3 months.

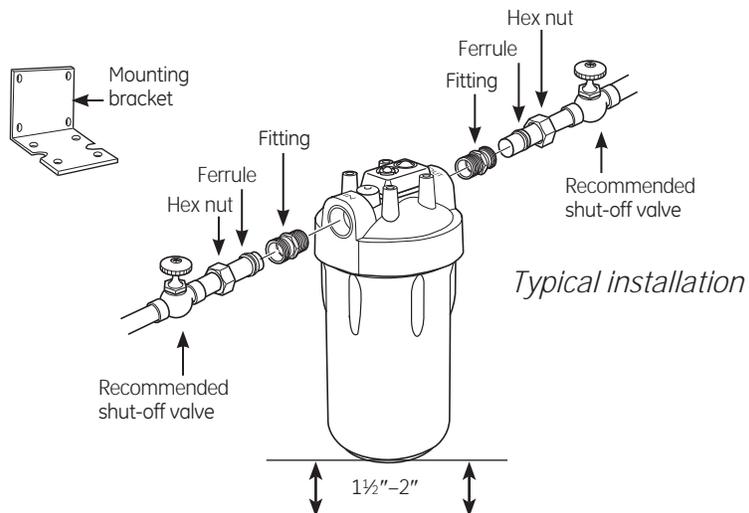
- 1 Turn off water to filter. Water must be shut off from an upstream valve.
- 2 Press the red pressure-release button to release pressure.
- 3 Unscrew the filter canister and discard used filter. Wash the filter canister with mild soap and water. **Do not** use harsh cleaners or hot water.
- 4 Inspect the filter canister O-ring. Make sure it is lightly lubricated with clean food-grade silicone grease (silicone grease is available through GE Parts and Service: 1.800.626.2002, part number WS60S10005). Be sure the O-ring is seated in the groove. It is recommended that you replace the O-ring if it is damaged.
- 5 Place a new filter cartridge into the canister, making sure it is centered and completely seated on the bottom seal.
- 6 Reinstall the filter canister to the unit. Use the canister wrench to tighten the canister. **DO NOT OVERTIGHTEN.**
- 7 Slowly turn on water to the filter by using the upstream shut-off valve.
- 8 Press the red pressure-release button to remove trapped air.
- 9 After installation, flush the cartridge for 10 minutes (40 gallons), wait one hour, then flush again for 10 minutes (40 gallons) before using the water.



## STEP-BY-STEP INSTALLATION INSTRUCTIONS

### Installation Overview

**NOTE:** Be sure to allow a minimum space of 1½"–2" under the filter for removing the sump to change the cartridge.



## STEP-BY-STEP INSTALLATION INSTRUCTIONS (cont.)

### Select Location

Select a location for the filter that is:

- protected from freezing.

- not exposed to direct sunlight.

*It is recommended that a shut-off valve be placed on both sides of the filter.*

*It is recommended that a mounting bracket be used.*

### Cut Water Line

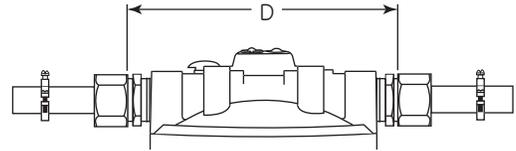
**⚠ WARNING:** A copper or galvanized cold water pipe may be used to ground electrical outlets in the home. Failure to maintain this ground path may result in an electric shock hazard. If the cold water pipe is used to ground electrical outlets, please refer to the Installing the Ground Wire section before cutting the pipe.

- 1 Turn off the water supply and open a nearby faucet to drain the water out of pipes.
- 2 Using a tape measure or ruler, measure the distance "D" as shown.

- **NOTE:** It is recommended that the shut-off valve be placed before and after the filter as shown in the Installation Overview illustration.

- Select a secure location surface to install filter and mounting bracket. The location should align the filter system with inlet and outlet pipe and should not cause the pipes to bend or damage. Mark the distance "D" on the pipe. D is about 7 $\frac{3}{4}$ ".

- 3 Using a pipe cutter, cut pipe. Sand (file) cut ends of pipe to ensure that they are square and smooth.



- **NOTE:** Have a bucket and towel available to collect excess water.

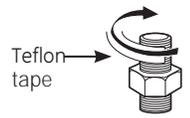
### Install Mounting Bracket and Fittings

Instructions are for installing fittings onto copper plumbing. If the unit is to be installed on any other type of tubing (plastic, PVC, galvanized), consult a qualified plumber for additional hardware.

- 1 Attach heavy-duty mounting bracket to head assembly with four hex-head screws as shown in illustration. The bracket can be used as a template for marking the location of the mounting screws.
- 2 Apply 4 or 5 wraps of Teflon tape, in a clockwise direction, to the pipe threads of each fitting. **DO NOT** use joint compound on any parts connecting to filter housing.



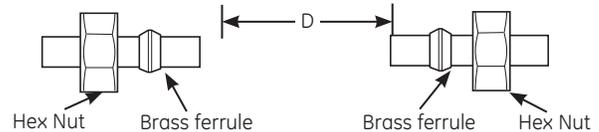
- 3 Assemble fitting to the inlet and outlet of the head. Start each fitting by hand to make sure they don't cross-thread. Use an adjustable wrench to tighten fittings. **DO NOT OVERTIGHTEN.** About 1-2 thread(s) should remain visible.



- 4 Use four hex washer-head screws to mount bracket to the wall firmly. Use proper anchors on wall. Anchors are **NOT** included.

### Attach Fittings to Water Line

- 1 Slip a compression nut onto each pipe.
- 2 Next, slip the brass ferrule onto each pipe.



### Installing the Unit

- 1 Align filter assembly with pipe ends making certain that the **incoming** water supply is going into the filter opening marked "IN." It may be necessary to spread the pipe ends apart to install filter assembly.
- 2 Using two adjustable wrenches, hold incoming fitting securely with one wrench and tighten nut with second wrench. Repeat this procedure for outgoing fitting.

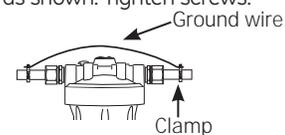
- 3 If mounting bracket is not used, support the water pipe on either side of the filter unit.
- 4 Install a filter and tighten canister to seal (see *Filter Cartridge Replacement* section).

### Installing the Ground Wire

**NOTE:** If your house plumbing is plastic, it would not be used as a grounding path, and this step should be skipped.

**IMPORTANT:** A copper or galvanized house cold water pipe is often used to ground electrical outlets in the home. **Grounding protects you from electrical shock.** The water filter housing may have broken this ground path. To restore connection, install an 18"-long, 6-gauge copper wire across the filter, tightly clamped using UL-approved 1/2"-1" bronze grounding clamps at both ends as shown. Zinc clamps should not be used on copper plumbing. Wire and clamps may be purchased separately from your local hardware store.

- 1 Clean copper pipe and ends of wire with emery paper. Bare wire is recommended. If insulated wire is used, it should be stripped 3/4" at each end before cleaning with emery paper.
- 2 Attach bronze clamps to pipe. Tighten screws.
- 3 Attach wire to clamps as shown. Tighten screws.

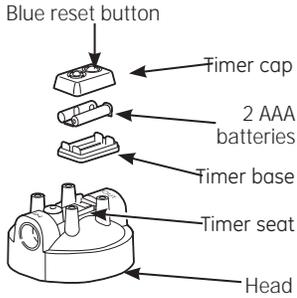


### Final Check

- 1 Install filter, if not already done (see *Filter Cartridge Replacement* section).
- 2 Slowly turn on water supply.
- 3 Check entire system for leaks.

- 4 If leaking from fittings, shut off water pressure and tighten or reseal fittings. If leaking from the canister, tighten canister with a wrench.
- 5 After installation, flush the cartridge for 10 minutes (40 gallons), wait one hour, then flush again for 10 minutes (40 gallons) before using the water.

## Timer Installation and Reset Instructions



### Timer battery installation and change

Insert coin or screwdriver in the slot between timer cap and base. Gently pry them open and separate timer base from cap. Install or change 2 new AAA 1.5-volt batteries. After having the batteries in place, line up the base and cap and snap them back together.

It is recommended to change the batteries at least every 2 filter changes.

Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc) or rechargeable (ni-cad, ni-mh, etc.) batteries.

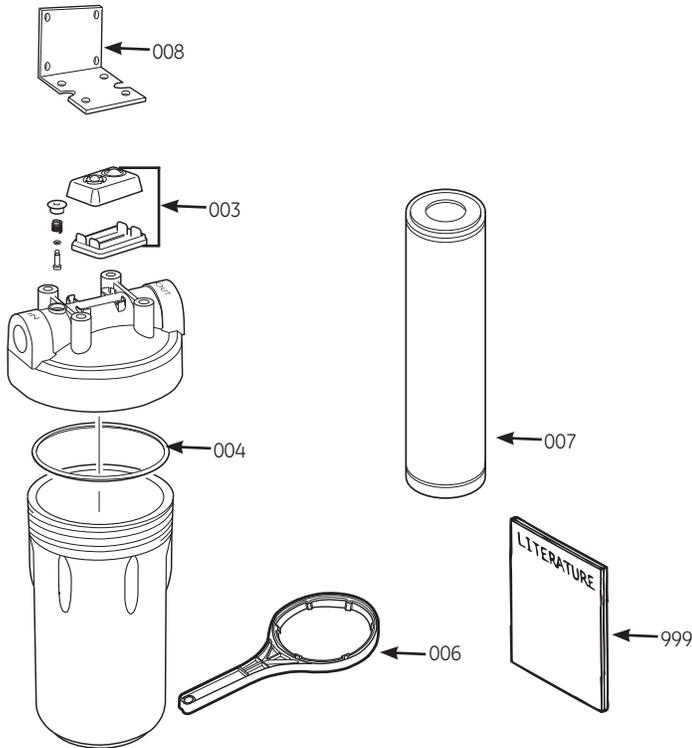
### Installation of timer

Hold the timer body in the center and gently push timer to its seat at the top of the head. Or attach it in a remote location for easy viewing.

### Timer reset and application

After new batteries are installed or filter is changed, push and hold the timer blue reset button for approximately 5 seconds. Release the reset button after the light flashes 5 times. The light will flash again in 90 days to remind you that it is time to change the filter.

## PARTS LIST



Ref. No.	Part No.	Part Description	
003	WHTIMER	Timer	1
004	WS03X10054	O-Ring	1
006	HDWRNCH	Canister Wrench	1
007	FXHTC	Filter Element—Carbon Filter	—
	FXHSC	Filter Element—Pleated	—
008	HDBRKT	Mounting Bracket	1
999	49-50201-6	Installation Instructions	1

To obtain replacement parts, call toll-free 800.626.2002 (U.S.), 800.663.6060 (Canada—English), 800.361.3869 (Canada—French).

### LIMITED ONE-YEAR WARRANTY

- **What does this warranty cover?**
  - Any defect in materials or workmanship in the manufactured product.
- **What does this warranty not cover?**
  - Filter cartridge and batteries after 30 days from date of purchase.
  - Service trips to your home to teach you how to use the product.
  - Improper installation, delivery or maintenance.
  - Failure of the product if it is abused, misused, altered, used commercially or used for other than the intended purpose.
  - Use of this product where water is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.
  - Damage to the product caused by accident, fire, floods or acts of God.
  - Incidental or consequential damage caused by possible defects with this appliance, its installation or repair.
- **For how long after the original purchase?**
  - One (1) year.

- **How do I make a warranty claim?**
  - Return to the retailer from which it was purchased, along with a copy of the "Proof of Purchase." A new or reconditioned unit will be provided. This warranty excludes the cost of shipping the product to your home.

**EXCLUSION OF IMPLIED WARRANTIES—Your sole and exclusive remedy is product exchange as provided in this Limited Warranty. Any implied warranties, including the implied warranties of merchantability or fitness for a particular purpose, are limited to one year or the shortest period allowed by law.**

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home or office use within the USA. In Alaska, the warranty excludes the cost of shipping or service to your home or office.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Contact us at [GEAppliances.com](http://GEAppliances.com), or call toll-free at 800.952.5039 in the U.S., or 866.777.7627 in Canada.

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