

# ***HUMPBACK 3000***

## ***PRESSURE WASHER HOSE REEL***



***BluShield®***

### **OPERATORS MANUAL**

**⚠ CAUTION:** To Reduce The Risk Of Injury, User Must Read And Understand Operators Manual. Save These Instructions For Future Reference.

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### Scan QR Code for Assembly Instructions:

Follow step-by-step instructions with our video walk through by scanning the QR code. This instruction manual will detail the full range of assembly and operating instructions for the **HUMPBAC 3000**.



[support@blubird.com](mailto:support@blubird.com)



[www.blubirdindustries.com](http://www.blubirdindustries.com)

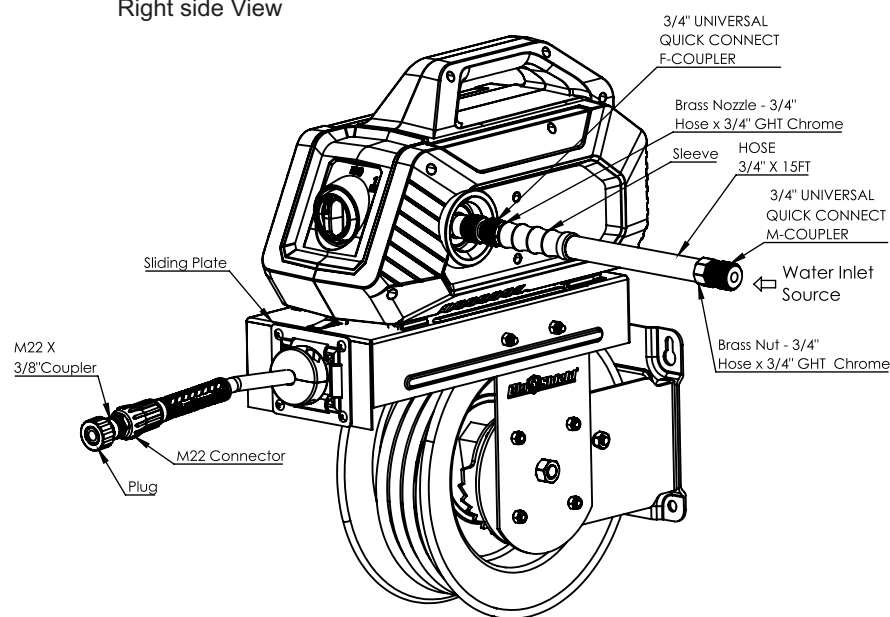


+1.844.769.4673

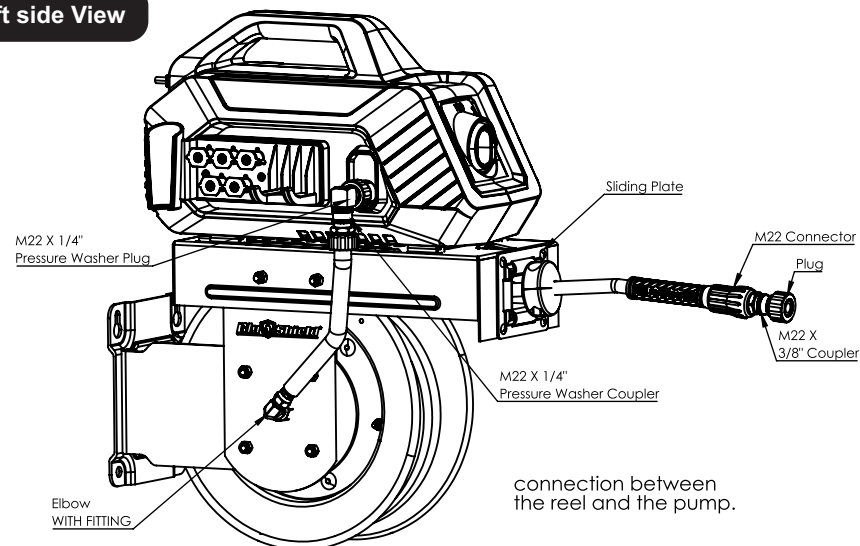


# Product Overview

Right side View



Left side View



## Technical Data: Humpback Reel









### Pressure Washer Reel

Hose ID	1/4"
Hose Length	50'
Hose Working Pressure:	3000 PSI
Hose Safety Factor	3:1
Temperate Range	-20°F to 250°F
Construction	Heavy Duty powder-coated Steel
Reel inlet connections	Reel inlet connections
Reel outlet connections	
Inlet Hose	3/4" x 15'

### Intended Use

This pressure washer is intended for cleaning boats, cars, decks, driveways, grills, house siding, motorcycles, patios, and outdoor furniture. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.


## Important Warnings

	<b>Safety Alert</b> Indicates a potential personal injury hazard.
	<b>Read Operating Manual</b> To reduce the risk of injury, user must read and understand operator's manual before using this product.
	<b>Eye Protection</b> Always wear eye protection with side shields marked to comply with ANSI Z87.1.
	<b>Wet Conditions Alert</b> Do not expose to rain or use in damp locations, and never direct a water stream toward any electrical device.
	<b>Risk of Injury</b> To reduce the risk of injection or injury, never direct a water stream towards people or pets or place any body part in the stream. Leaking hoses and fittings are also capable of causing injection injury. Do not hold hoses or fittings.
	<b>Risk of Explosion</b> Do not spray flammable liquids. Flammable liquids and their vapors are explosive and can cause severe burns or death.
	<b>Kickback</b> To reduce the risk of injury from kickback, hold the spray wand securely with both hands when the machine is on.
	<b>Electric Shock</b> Do not use near electric power lines or receptacle outlets.

*Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.*

## SAFETY INSTRUCTIONS

The purpose of safety symbols is to attract our attention to possible dangers. The safety symbols, and the explanations with them, deserve your careful attention and understanding. The symbol warnings do not by themselves eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

 **WARNING:** Be sure to read and understand all safety instructions in this manual, including all safety alert symbols such as **DANGER**", **WARNING**" and **CAUTION**", before using this hose reel. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

## SYMBOL MEANING



**SAFETY ALERT SYMBOL:** Indicates **DANGER**, **WARNING**, OR **CAUTION**.  
May be used in conjunction with other symbols or pictographs



**DANGER:** Failure to obey this warning **WILL** result in death or serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.



**WARNING:** Failure to obey this safety warning **CAN** result in death or serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.



**CAUTION:** Failure to obey this safety warning **MAY** result in personal injury to yourself or others or property damage. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

## SAFETY INSTRUCTIONS

### IMPORTANT SAFETY CONSIDERATIONS

1. **⚠️ WARNING:** Read and understand all instructions. Failure to follow all instructions may result in serious injury.
2. The warnings, cautions, and instructions in this manual cannot cover all possible conditions or situations that could occur. Exercise common sense and caution when using the reel. Always be aware of the environment and ensure that the reel is used in a safe and responsible manner.
3. DO NOT allow persons to operate or assemble the reel until they have read this manual and have developed a thorough understanding of how it works.
4. DO NOT modify the reel in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the reel.
5. Use the right tool for the job. DO NOT attempt to force a small equipment to do the work of larger industrial equipment. There are certain applications for which this equipment was designed. It will do the job better and more safely at the capacity for which it was intended. DO NOT use this equipment for a purpose for which it was not intended.
6. Industrial or commercial applications must follow OSHA requirements.
11. Keep children and bystanders away from the work area while operating the reel. Do not allow children to operate the reel.
12. Be aware of all power lines, electrical circuits, water pipes, and other mechanical hazards in your work area. Some of these hazards may be below the work surface hidden from your view and may cause personal harm or property damage if unintentionally contacted.

### PERSONAL SAFETY

1. Stay alert, watch what you are doing, and use common sense when operating the reel. Do not use the reel while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention may result in serious personal injury.
2. Dress properly. Do not wear loose clothing, dangling objects, or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery, or long hair can be caught in moving parts.
3. Use ANSI compliant safety goggles or safety glasses with side shields, or when needed, a face shield. Use a dust mask in dusty work conditions. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate. Do not overreach. Keep proper footing and balance at all times.
4. Secure the work with clamps or a vise instead of your hand when practical. This safety precaution allows for proper tool operation using both hands .

### WORK AREA SAFETY

7. Inspect the work area before each use
8. Keep the work area clean, dry, free of clutter, and well lit. Cluttered, wet, or dark work areas can result in injury.
9. Using the reel in a confined work area may put you dangerously close to other cutting tools and rotating parts.
10. Do not use the reel when there is a risk of causing a fire or an explosion; e.g., in the presence of flammable liquids, gases, or duct. The reel can create sparks, which may ignite the duct or fumes.

### REEL USE AND CARE

**⚠️ WARNING:** BE SURE to read and understand all instruction before operating this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

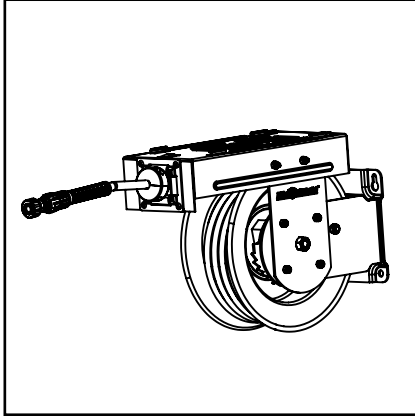
## Safety Precautions

1. Check for damaged parts before each use. Carefully check that the reel will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never operate the reel with a damaged part.
2. Disconnect the air supply from the reel before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
3. Use only accessories that are recommended by the manufacturer for use with the reel. Accessories that may be suitable for one reel may create a risk of injury when used with another reel. Never use an accessory that has a higher operating pressure than the reel itself.
4. Inspect the reel, hose, and accessories for damage or excessive wear before each use. If you find damage do not use the reel.
- the hose unless it is capable of safely operating at a pressure greater than the supply pressure.
8. If a leak occurs in the hose or reel, remove system pressure immediately.
9. If reel ceases to unwind or rewind, remove system pressure immediately.
10. Do not kink the hose. Do not step on the hose or drive or drag objects over the hose. Do not place any objects on the hose or hose reel.
11. Pull the hose from the reel by grasping the hose itself, not the valve.
12. Bleed pressure from reel before servicing it.
13. Use soap and water when checking for air leaks. Exposure of skin directly to pressurized air could result in severe bodily injury.
14. Remember, even low pressure is very dangerous and can cause personal injury or death.

- ☒ Read all instructions before using the product. Save all safety instructions.
- ☒ Do not operate the pressure cleaner when fatigued or under the influence of alcohol or drugs.
- ☒ Risk of injection or injury ☒ do not direct the high pressure water stream at any people or animals.
- ☒ Do not allow children to operate the pressure cleaner at any time. To reduce the risk of injury, close supervision is necessary when the pressure cleaner is used near children.
- ☒ To reduce the risk of injury, close supervision is necessary when the pressure cleaner is used near children.
- ☒ Know how to stop the unit and reduce pressure immediately. Be completely familiar with the controls.
- ☒ Keep cleaning area clear of all people.
- ☒ The work area should have adequate drainage to reduce the possibility of a fall due to slippery surfaces.
- ☒ Follow the maintenance instructions specified in the manual.
- ☒ To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands.

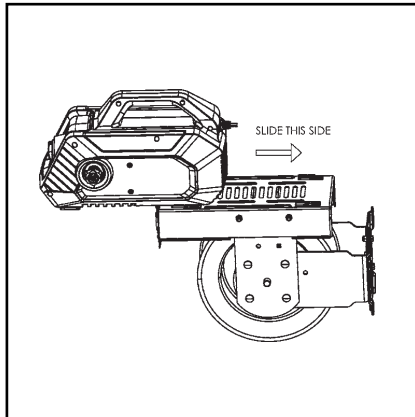


## Assembly / Mountings



### Step - 1

Drill four mounting holes. Use manufactures recommendations for drill bit size depending on the concrete mounting hardware you choose and drill the four mounting holes. Make sure anchors are rated to hold a minimum of 75 lbs.



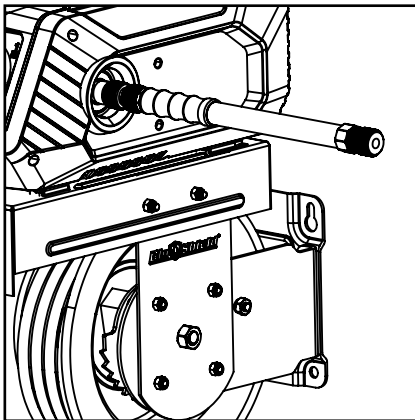
### Step - 2

#### PLACE HUMPBAC PUMP ON TOP OF THE REEL

Step 1: Position the Humpback Pump on the Reel  
Carefully lift the Humpback pump.

Step 2: Slide and place it securely on top of the reel unit (designed flat mount platform).

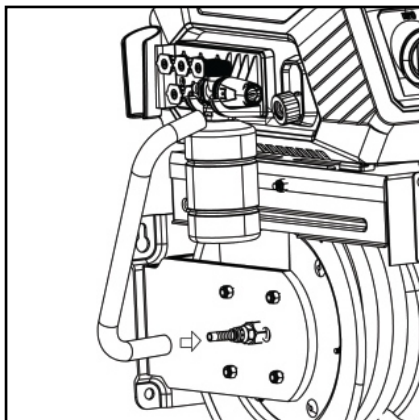
Step 3: Make sure the pump is stable and centered.



### Step - 3

Connet the 3/4" GHT quick connect with 3/4" x 15' (inlet)Hose & Pump

## Assembly / Mountings



### Step - 4

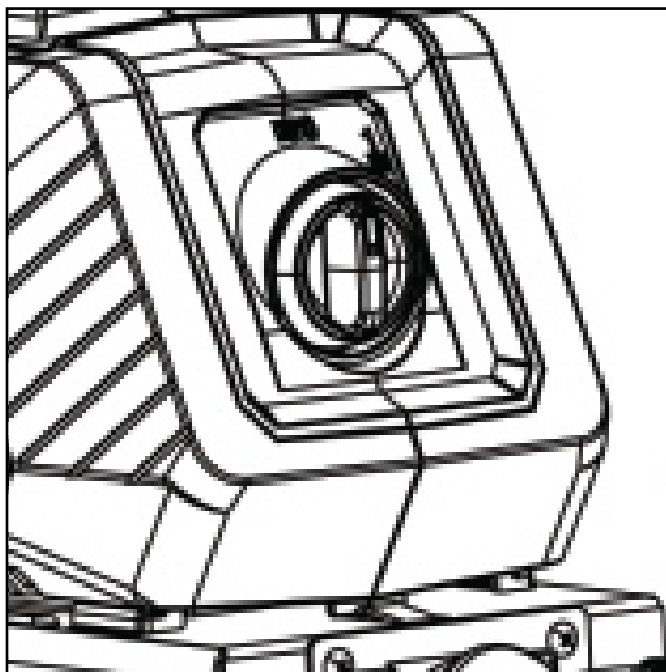
#### CONNECT REEL TO PUMP & SET PUMP

Step 1: Connect Inlet Hose from Pump to Reel  
Locate the inlet port on the left side of the reel.

Step 2: Attach the inlet hose from your Humpback pressure washer pump outlet to the reel inlet.

Step 3: Tighten fittings using a wrench—ensure no leaks.

In-let Hose connection  
between reel and pump.



## ASSEMBLY

### CONCRETE WALL INSTALLATION

**Step 1: Mark the Mounting Holes**  
Use the Mounting Template included with the reel.

Hold it level against the concrete surface and mark four mounting holes.

**⚠CAUTION:**

Do not drill into fragile or damaged concrete.

**Step 2: Drill Mounting Holes**  
Using the appropriate hammer drill bit size recommended by your anchor hardware manufacturer, drill four holes.

Use anchors rated for a minimum load of 75 lbs.

**Step 3: Install Bottom Anchors**  
Install the bottom two anchors only.

Leave each anchor slightly protruding (about 1/4") from the surface.

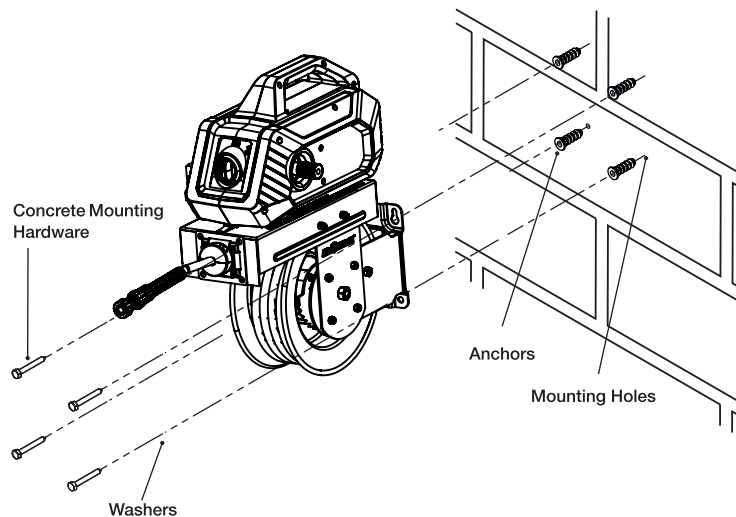
Lift the reel and slide it over the bottom anchors using the keyhole slots in the base plate.

**Step 4: Install Top Anchors**  
With the reel hanging on the bottom anchors, align and install the top two anchors.

Ensure all holes are aligned before tightening.

**Step 5: Tighten All Anchors**  
Secure all four anchors using a wrench.

Confirm the reel is flush and stable against the wall.



## ASSEMBLY

### WOOD STUD WALL INSTALLATION

#### Step 1: Add Support Plate

Attach a 2x10 wood plate across two existing 2x4 studs.

Use 1/4" x 2-1/2" lag screws at stud locations.

#### Step 2: Drill Mounting Holes

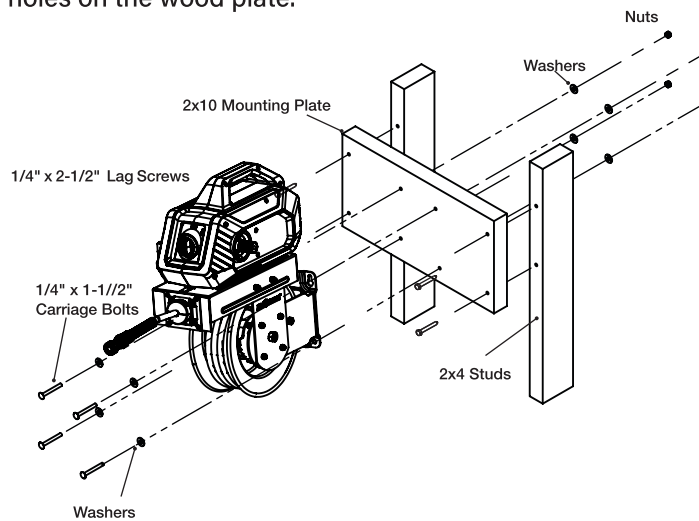
Use the template guide to mark the reel holes on the wood plate.

Drill four holes using a standard drill.

#### Step 3: Mount the Reel

Secure the reel using four 1/4" x 1-1/4" carriage bolts and washers.

Tighten evenly to ensure a firm mount.



## OPERATION

### OPERATING INSTRUCTIONS

Check the reel for correct operation by slowly pulling out the hose. A clicking" noise will be heard every half revolution of the drum.

To latch the reel, pull out the hose then allow it to retract after hearing the first, second, third, forth, fifth, sixth, click"

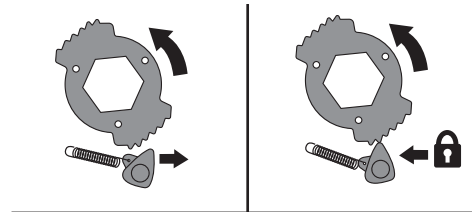
To unlatch the reel, slowly pull out the hose until the clicking" noise stops then, holding on to the hose, let it retract in a controlled way until the stop/block rests against the hose guide/rollers.

**⚠ CAUTION:** "Do not pull the hose from the reel by grabbing the spray gun or connector. Always pull by grasping the hose itself."

Keep the hose and air-tools or nozzles dry, clean, and free from oil and grease.

Periodically clean the hose with a cloth dipped in warm water to remove dirt or deposits and ensure correct winding on the reel. Do not use detergents or solvents which could prove incompatible with cable-winder materials.

Also periodically check the hose condition for wear or damage, and check the swivel fitting for leakage. See the maintenance section for tips to replace any worn, damaged, or leaking parts.




## SAFETY INSTRUCTIONS

1. Check for damaged parts before each use. Carefully check that the reel will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never operate the reel with a damaged part.
2. Disconnect the air supply from the reel before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
3. Use only accessories that are recommended by the manufacturer for use with the reel. Accessories that may be suitable for one reel may create a risk of injury when used with another reel. Never use an accessory that has a higher operating pressure than the reel itself.
4. Inspect the reel, hose, and accessories for damage or excessive wear before each use. If you find damage do not use the reel.
5. the hose unless it is capable of safely operating at a pressure greater than the supply pressure.
8. If a leak occurs in the hose or reel, remove system pressure immediately.
9. If reel ceases to unwind or rewind, remove system pressure immediately.
10. Do not kink the hose. Do not step on the hose or drive or drag objects over the hose. Do not place any objects on the hose or hose reel.
11. Pull the hose from the reel by grasping the hose itself, not the valve.
12. Bleed pressure from reel before servicing it.
13. Use soap and water when checking for air leaks. Exposure of skin directly to pressurized air could result in severe bodily injury.
14. Remember, even low pressure is very dangerous and can cause personal injury or death .

### SPECIFIC OPERATION WARNINGS

#### **WARNING:**

1. Wear ANSI Z87.1 compliant safety goggles or safety glasses with side shields when assembling and using the hose reel.
2. Assemble the hose reel on a clean workbench.
3. Keep children away from the work area. If not in use, store out of the reach of children.
4. Ensure that reel is properly installed before connecting input and output hoses.
5. Make sure incoming pressure does not exceed the rated pressure (300 PSI) for reel.
6. Before connecting a pressure source, ensure that supply pressure does not exceed maximum working pressure rating of reel.
7. Never attach any tool or accessory to

 **WARNING:** This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## ASSEMBLY

### WOOD STUD WALL INSTALLATION

**Step 1: Add Support Plate**  
Attach a 2x10 wood plate across two existing 2x4 studs.

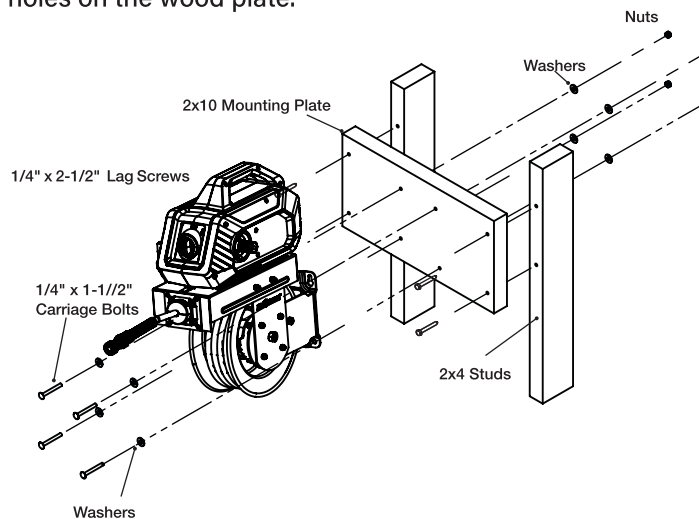
Use 1/4" x 2-1/2" lag screws at stud locations.

**Step 2: Drill Mounting Holes**  
Use the template guide to mark the reel holes on the wood plate.

Drill four holes using a standard drill.

**Step 3: Mount the Reel**  
Secure the reel using four 1/4" x 1-1/4" carriage bolts and washers.

Tighten evenly to ensure a firm mount.



### PLACE HUMPBAC PUMP ON TOP OF THE REEL

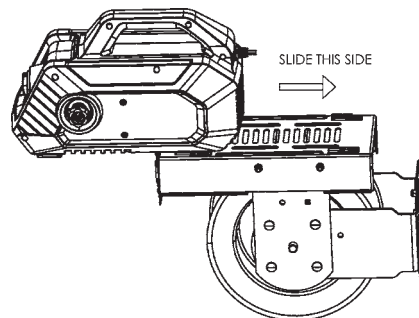
**Step 1: Position the Humpback Pump on the Reel**  
Carefully lift the Humpback pump.

**Step 2: Slide and place it securely**  
on top of the reel unit (designed flat mount platform).

**Step 3: Make sure the pump is**  
stable and centered.

#### **CAUTION:**

Use assistance if necessary to lift heavier pumps safely.



## ADJUSTMENTS

### SPRING TENSION ADJUSTMENT

**⚠ WARNING:** Avoid accidentally releasing the reel's latching mechanism. The reel is under tension and accidental release can cause a wildly spinning reel and personal injury. If necessary, adjust spring tension on reel by adding or removing wraps of hose from spool, one wrap at a time, until desired tension is obtained.

1. Pull out approximately 6 or 8 feet of hose and allow the drum to latch.
2. Remove hose stop/block from the hose and pull the hose back through guide/rollers.
3. When adding wraps of hose to the reel, be careful not to exceed the winding mechanisms spring capacity. Add just enough wraps of hose to achieve the desired tension. Damage to winding mechanism will result if spring is over-tensioned.

**⚠ CAUTION:** When adding wraps of hose to the reel, be careful not to exceed the winding mechanisms spring capacity. Add just enough wraps of hose to achieve the desired tension. Damage to winding mechanism will result if spring is over-tensioned.

4. To increase spring tension, wrap the loose hose one extra turn around the drum or, to decrease tension, unwrap the hose one turn from drum.
5. Re-insert the hose through guide/rollers and install the stop/block at the desired distance from the hose end.
6. Unlatch the drum and check the tension. Readjust the tension by repeating these steps.

## MAINTENANCE

### GENERAL MAINTENANCE

Maintain your reel. It is recommended that the general condition of any tool be examined before it is used. Keep your reel in good repair by adopting a program of conscientious repair and maintenance in accordance with the recommended procedures found in this manual.

**⚠ WARNING:** If the rewind spring fails, for safety reasons, it is strongly recommended the replacement of the spring canister be performed by an authorized service technician. The spring can be under high tension and accidental release can cause severe personal injury. User servicing of the reel is limited to replacing input/output hoses and swivel maintenance only. Refer all other repairs to an authorized service technician. Failure to do so can result in person injury and/or equipment damage and may void the warranty.

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### CHECKING FOR LEAKS

Use soap and water when checking for air leaks.

### HOSE REPLACEMENT

**⚠ WARNING:** To avoid a dangerous sudden release of pressure that can cause severe injury, ensure that the pressure source for the reel is turned off and the supply hose is not pressurized before performing any maintenance or adjustment on the reel.

1. Turn off the pressure supply to reel and release pressure from the system in a controlled way .

**⚠ CAUTION:** Make sure reel drum is securely locked in the next step and cannot accidentally spin.

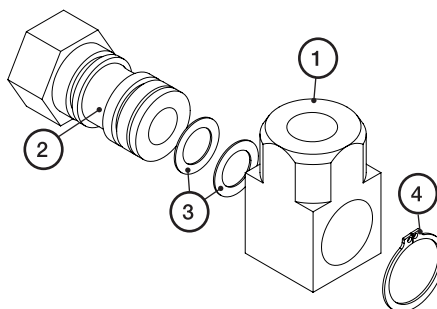


## MAINTENANCE

2. Pull out all the old hose and lock the reel in position.
3. Take note of the hose connection, any hose clamps, and the position of the stop/block on the hose.
4. Remove any hose clamps from the hose.
5. Carefully disconnect the hose from its connection and remove it.
6. Route a new equivalent type and size hose through guide/rollers to the old hose connection point.
7. Use Teflon tape or pipe sealant on the hose fitting threads then screw it into the connection fitting on the reel. Note: To avoid damage to a swivel connection, use a wrench to support the swivel while tightening the hose.
8. Re-install any hose clamps and the hose stop/block as noted in step 2.
9. Carefully release the drum latch, and slowly allow the hose to wind onto the reel.
10. Apply Teflon tape or pipe sealant to the outlet fitting on the new hose then attach it to a desired tool, or nozzle. Pressurize the reel and check all the connections for leakage.
11. If needed, adjust the spring tension. See Spring Tension Adjustment in the Operation section.

is being installed.

3. Remove the circlip from swivel, and take it apart. Please see the diagram above for reference.
4. Replace the seals and reassemble the swivel.
5. Use Teflon tape or thread sealant on the swivel threads and reconnect the swivel with the axle.
6. Use Teflon tape or thread sealant on the inlet supply hose threads and reconnect it to the swivel.
7. Pressurize the system and check for leaks.



Part No.	SUBASSEMBLY	QTY
06-1	Bearing Cover	1
06-2	Swivel Shaft	1
06-3	O-Ring or Seal	2
06-4	Circlip	1

### SWIVEL SEAL REPLACEMENT

**⚠ WARNING:** To avoid a dangerous sudden release of pressure that can cause severe injury, ensure that the pressure source for the reel is turned off and the supply hose is not pressurized before performing any maintenance or adjustment of the reel.

1. Turn off the pressure source, release pressure from the system, and remove the supply hose connection from the swivel.
2. Remove the swivel assembly (6) from reel axle. Note: Removal of the swivel is not absolutely necessary unless a new swivel

## TROUBLESHOOTING

TROUBLE	CAUSE	SOLUTION
Hose will not fully retract	<ol style="list-style-type: none"> <li>1. Outlet nozzle, gun or tool is too heavy</li> <li>2. Spring is fatigued</li> <li>3. Field installed hose is too long</li> </ol>	<ol style="list-style-type: none"> <li>1. Add spring tension. See Spring Tension Adjustment"</li> <li>2. Add spring tension. See Spring Tension Adjustment"</li> <li>3. Call local distributor for correct hose length</li> </ol>
Hose will not retract at all	<ol style="list-style-type: none"> <li>1. Spring has lost all tension or has possibly broken.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reinstall spring tension</li> <li>2. Replace spring canister</li> </ol>
Reel will not latch	<ol style="list-style-type: none"> <li>1. Incorrect Operation</li> <li>2. Pawl spring or locking cam is broken or worn</li> </ol>	<ol style="list-style-type: none"> <li>1. Reel latches on first, second, third, fourth, fifth or sixth click. After sixth click it automatically rewinds</li> <li>2. Replace pawl spring or locking cam</li> </ol>
Fluid leaks from swivel	<ol style="list-style-type: none"> <li>1. Swivel seals are damaged or worn</li> <li>2. Inlet hose is not flexible</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace swivel seals. See Swivel Seal Replacement".</li> </ol> <p><b>Caution:</b> Be sure leak is not at Hose fitting!</p>
Hose locks up when fully extended	<ol style="list-style-type: none"> <li>1. Hose Clamp is in the incorrect position</li> </ol>	<ol style="list-style-type: none"> <li>1. Relocate hose clamp to optional location</li> </ol>
Swivel assembly is not freely of locking up	<ol style="list-style-type: none"> <li>1. Inlet hose fitting has been over-tightened</li> <li>2. Inlet hose is not flexible causing side force on swivel</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove and examine swivel assembly for damage. Replace as necessary</li> <li>2. <b>Properly</b> tighten inlet hose. Hand tightens fittings, plus 1/2 turn with wrench.</li> </ol>

## REPLACEMENT PARTS

For replacement parts and technical questions please call Customer Service at (844-769-4673) M-F 8am - 6pm.

The following are required when ordering parts: model number, serial number/lot date code, and description.

Not all components are available for replacement. The illustrations provided are a convenient reference to the location and position of parts.

The distributor reserves the rights to make design changes and/or improvements to product lines and manuals without notice.

## NOTES

[illegible]

# **HUMPBACK 3000**

**PRESSURE WASHER HOSE REEL**



**BluShield®**



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