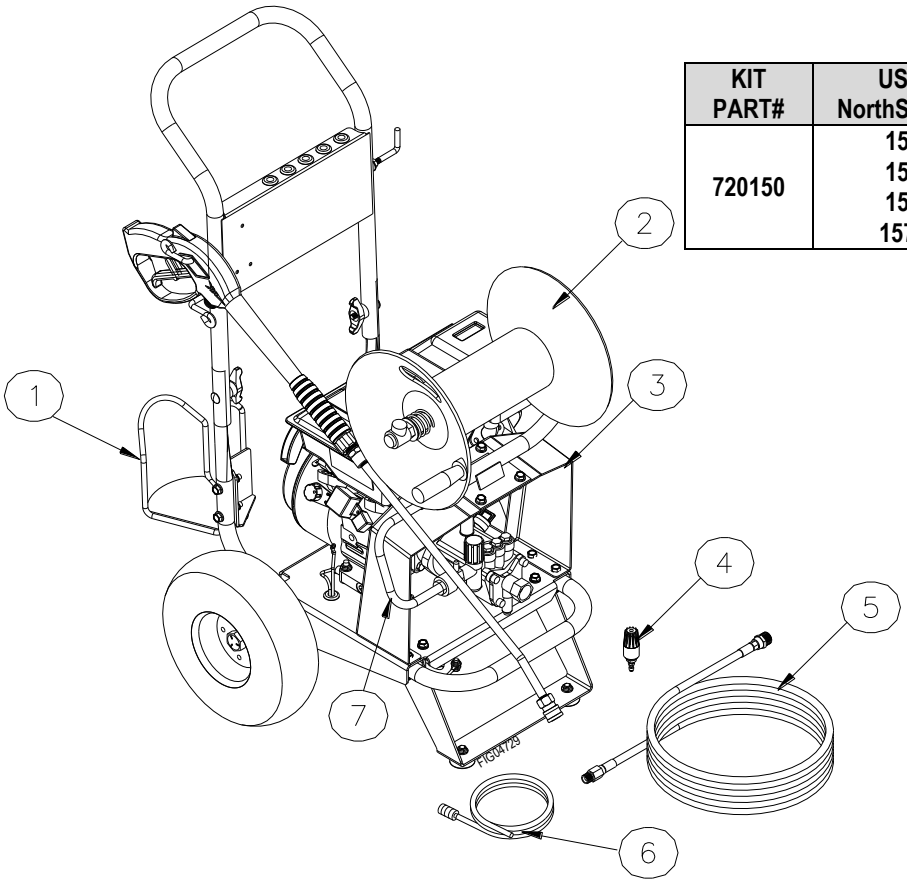
POWERHORSE® MPHFFKB.1

KIT NUMBER: 720150
SERIAL NUMBER: _____

Owner's Manual

Instructions for Installation of Full Feature Pressure Washer Kit



KIT PART#	USED ON NorthStar ITEMS:
720150	1577149 1577249 1577110 15771120

REF#	PART#	DESCRIPTION	QTY
1	789458	Chemical Jug Bracket	1
2	788818	Hose Reel	1
3	788422	Hose Reel Mount Bracket	1
4	788938	Turbo Nozzle	1
5	788613	50' High Pressure Hose	1
6	777165	¼" Chemical Hose (sold by foot)	5 ft.
	221222	Chemical Strainer	1
7	788836	22mm, 18" x 1/2" Hose	1

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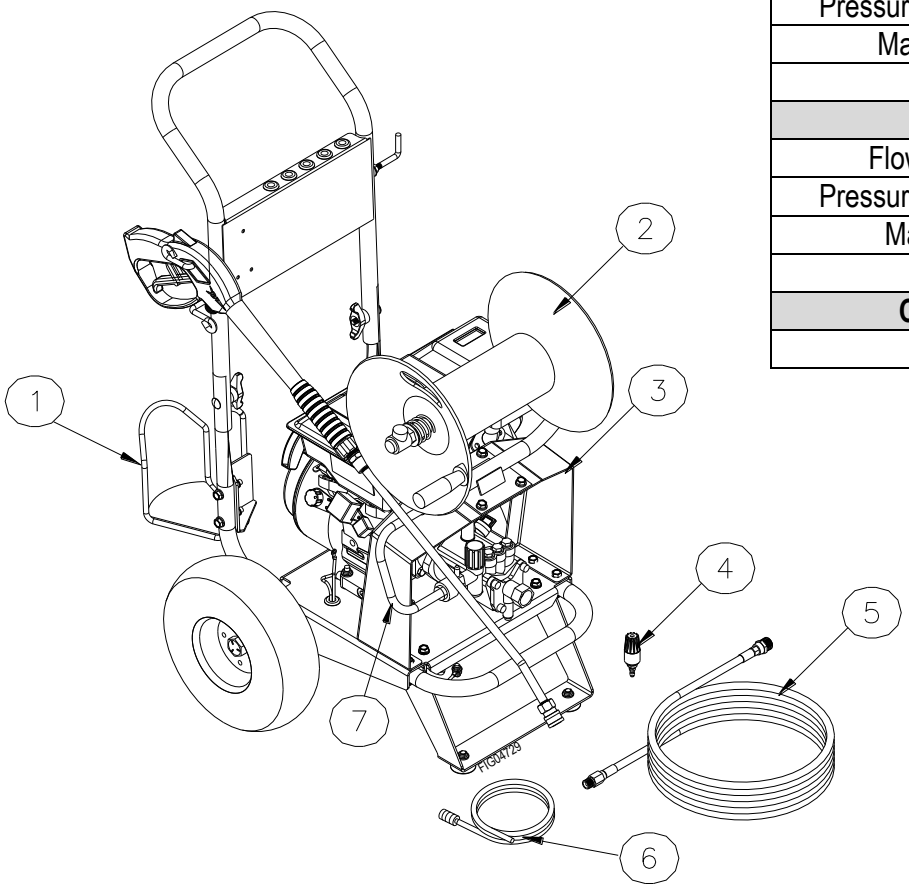
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<u>Any Questions, Comments, Problems, or Parts Orders</u>
Call Powerhorse Product Support 1-866-443-2576

Kit Component Identification and Specifications

Kit# 720150	
Hose Reel	
Capacity	100 ft.
Mounting Kit	Included
High Pressure Hose	
Pressure Range	3000 PSI
Max Temp.	140°F
Length	50 ft.
Turbo Nozzle	
Flow Range	3.5 GPM
Pressure Range	3650 PSI
Max Temp	212°F
Inlet	¼" Quick Connect
Chemical Jug Holder	
Bracket	Included



1. **Chemical Jug Bracket:** Chemical jug storage.
2. **Hose Reel:** Allows for convenient hose storage.
3. **Hose Reel Mount Bracket:** Supports hose reel when bolted to bracket.
4. **Turbo Nozzle:** High impact and wide angle spray coverage.
5. **Hose:** Non-marking, high pressure hose, with 22mm couplers for easy use.
6. **Chemical Hose and Strainer:** Used when pressure washing with chemicals. One end of chemical hose is pushed onto chemical injector while the other end has the strainer attached. Strainer remains in chemical bucket to draw solution from bucket into chemical injector.
7. **Hose from Reel to Pump:** Joins the water flow from the reel to the pump outlet.

Initial Set-Up

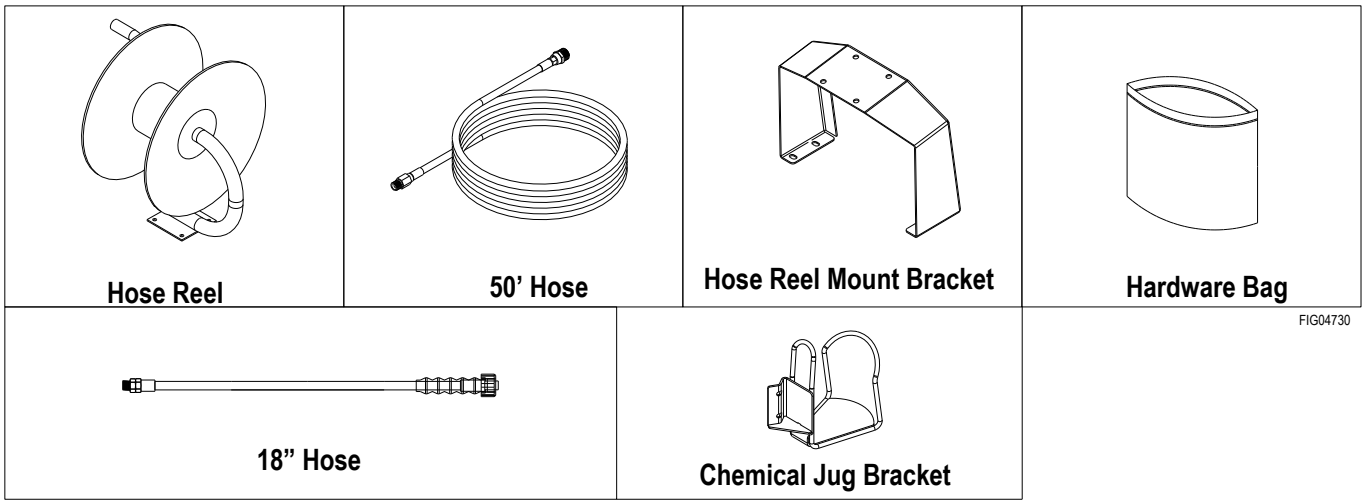
Inspect & Unpack

Upon receiving your item check for missing or damaged parts.

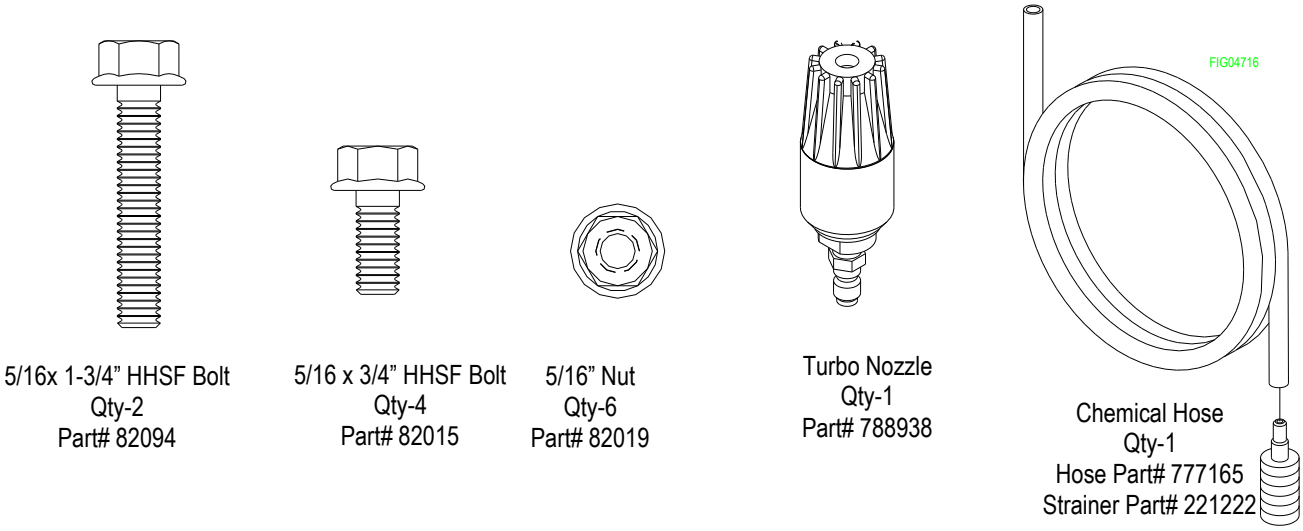
See *"Component Identification"* section of this manual for a diagram of the accessories and components.

- For missing or damaged components, please contact Product Support at 1-866-443-2576

Component Identification



Hardware Bag



5/16x 1-3/4" HHSF Bolt
Qty-2
Part# 82094

5/16 x 3/4" HHSF Bolt
Qty-4
Part# 82015

5/16" Nut
Qty-6
Part# 82019

Turbo Nozzle
Qty-1
Part# 788938

Chemical Hose
Qty-1
Hose Part# 777165
Strainer Part# 221222

Assembly

Note: Remove contents from box and begin assembly.

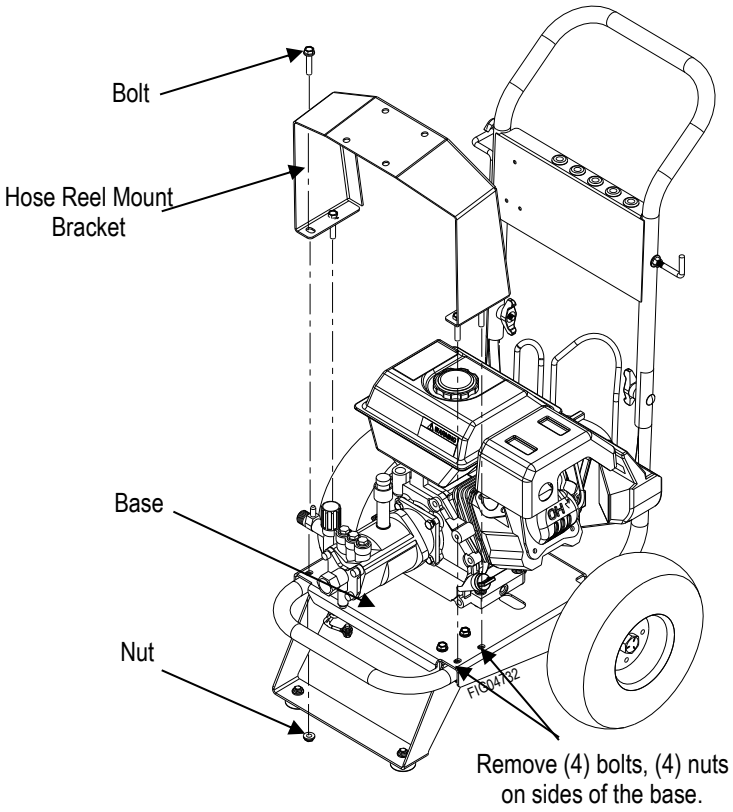
Hose Reel Mounting Instructions
Kit# 720150

Note: Hand tighten all bolts in assembly steps. Once assembly steps have been completed tighten all nuts with wrench. Before installation, disconnect pressure washer hose from pump and spray gun.

Step 1: Install Hose Reel Mount Bracket to Base

A.) First, remove the 4 indicated bolts and nuts from the pressure washer base. There are two on each side.

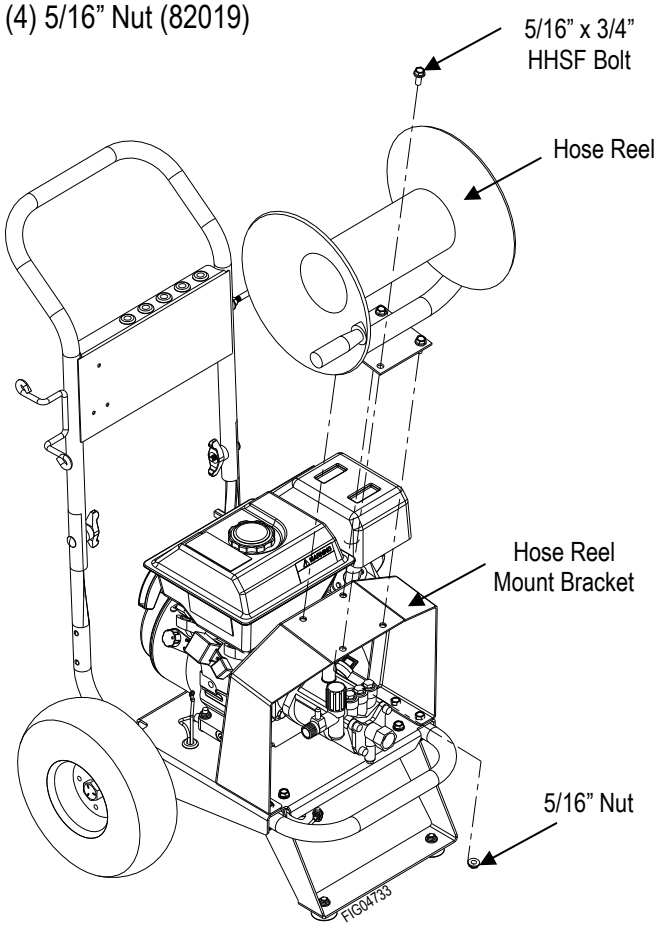
B.) Align hose reel mount bracket with the holes that the bolts were removed from. Insert the (4) bolts and thread (4) nuts onto bolts.



Step 2: Secure Hose Reel onto Hose Reel Bracket

A.) Align hose reel with the pre-drilled holes on the hose reel mount bracket. Insert the (4) bolts and thread (4) nuts onto bolts.

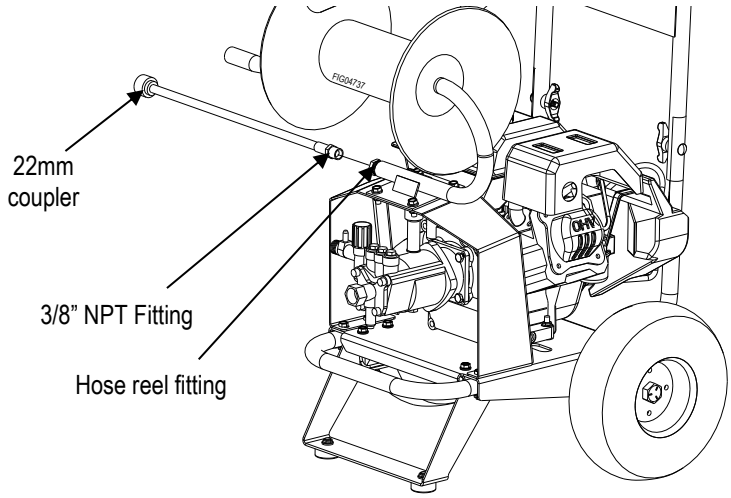
- (4) 5/16" x 3/4" HHSF Bolt (82015)
- (4) 5/16" Nut (82019)



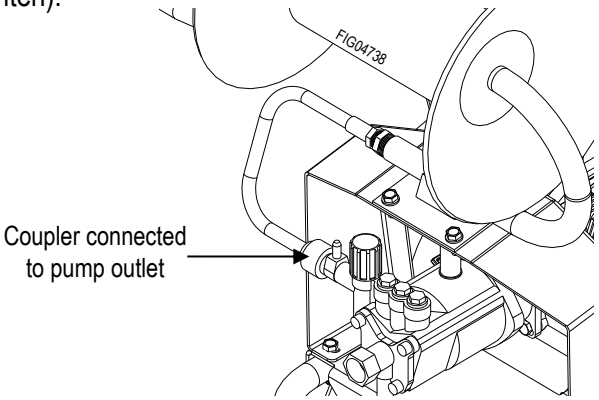
Step 3: Hose Routing to Pump

Note:

A.) First, connect the 18" piece of hose to the hose reel and pump outlet. Thread the 3/8" NPT fitting into the hose reel fitting and tighten with a crecent wrench.



B.) Next, spin the 22mm coupler onto the pump outlet (hand tighten).



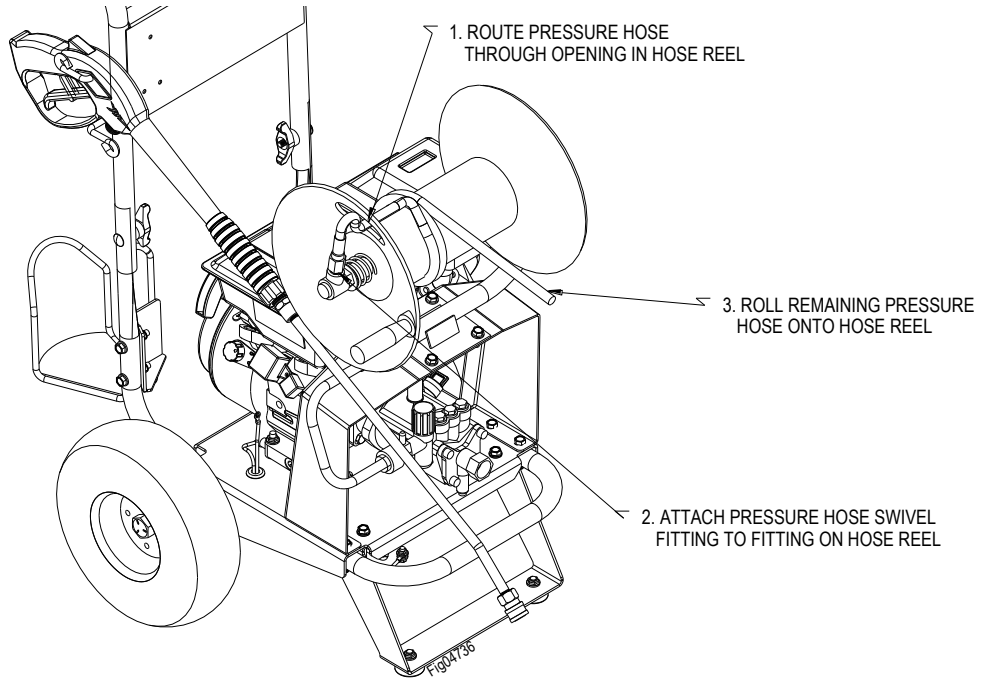
Step 4: Connect Hose to Hose Reel and Gun

A.) First, route pressure hose included in this kit through opening in hose reel.

B.) Then, attach pressure hose swivel fitting to the fitting on the hose reel.

C.) Next, roll remaining pressure hose onto hose reel. Once you have rolled most of the hose included with the kit onto the reel, you can attach the pre-exisiting hose (originally purchased with pressure washer) to the new hose and continue rolling hose onto reel.

D.) Finally, connect the pressure hose to the spray gun.



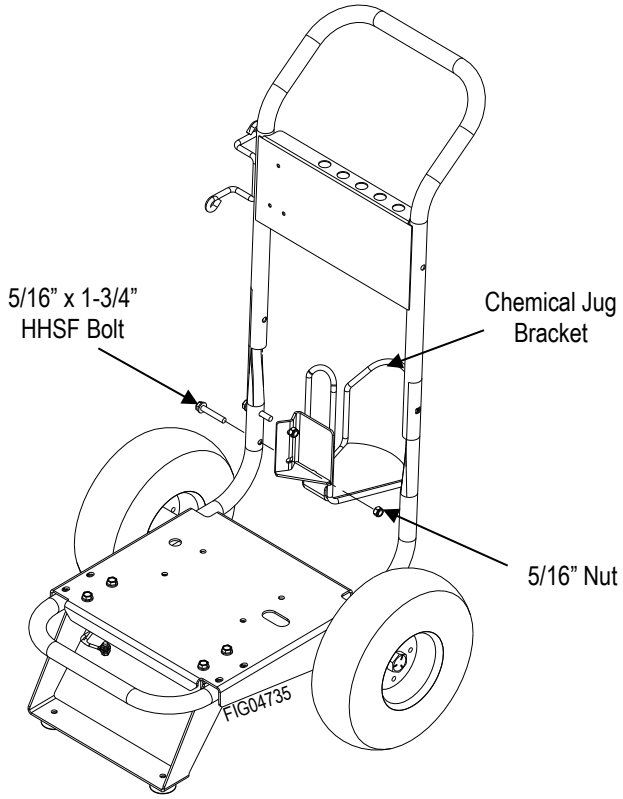
Chemical Jug Holder Installation Instructions
Kit# 720150

Step 1: Attach Chemical Jug Bracket to Frame

A.) Hold chemical jug bracket in line with the pre-drilled holes in pressure washer frame. Insert bolts and thread on nut.

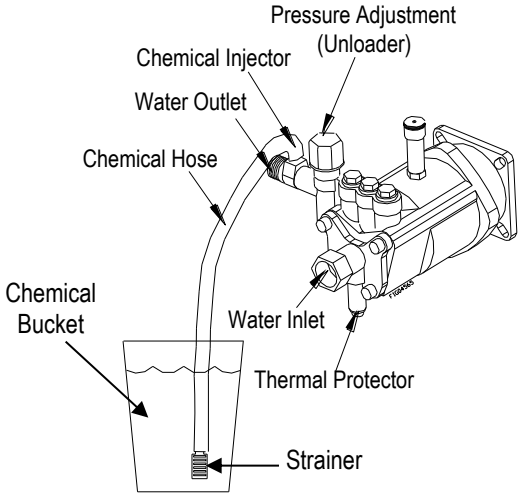
- (2) 5/16" x 1-3/4" HHSF Bolt (82094)
- (2) 5/16" Nut (82019)
- (1) Chemical Jug Bracket

Note: Engine and pump removed for clarity.



Step 2: Attach Chemical Hose to Pump

A.) Push chemical hose onto the chemical injector on the pump. Place the end with with the strainer attached in your chemical bucket.





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