

# **HOSE REEI 808 SERIES**



# Industrial Hose Reel

## Hose Reel 808 Series

#### Specifications

Spring driven drum: for automatic rewind. Locking ratchet: to maintain the desired length of hose in use.



Read the following precautions and instructions before you begin assembly or using. Failure to comply with these instructions could result in personal injury or property damage. Keep these instructions in a convenient location for future reference.

#### **Hose Reel Safety Precautions**

- Make sure incoming line pressure does not exceed rated operating pressure for your model hose reel.
- 2. Use proper eye protection when assembling and using the hose reel.
- 3. Assemble the hose reel on a clean workbench.
- 4. Use soap and water when checking for leaks.
- 5. Keep children away from the work area.

Warning: Exposure of skin directly to pressurized air, or fluid could result in severe bodily injury.

#### Installation of Reel

- 1) For overhead ceiling mounting: Install reels at least 10 feet above the floor.
- 2) If the reel you have purchased does not have hose included, you will need to purchase and attach. Refer to Specifications on box to determine appropriate hose size and length.
- 3) You will need to purchase appropriate hardware for mounting your new reel.
- 1. The reel base has four 1/2" (or 12.7mm) drilled holes for mounting on a suitable flat surface. Figure 2 is a template showing the correct location of the 4 mounting holes in the base.
- 2. The reel is supplied with a hose guide roller bracket. The bracket position may be changed depending on the reel mounting position. Figure 2 shows "Typical Mounting Positions". If bracket position needs to be changed, do the following:
  - (1) Pull out some hose and let reel latch.
  - (2) Remove the bolts that attach the guide roller bracket to the support post.
  - (3) Rotate guide roller bracket to correct position, replace bolts and tighten.

- 3. Using the four holes in the base, mount the reel in the desired location. Be sure to use appropriate hardware and tighten securely.
- 4. Apply Teflon tape or pipe sealant to supply line threads, attach to reel inlet and tighten. The other end of incoming line can now be connected to desired supply source.
- 5. If hose has been supplied with reel: Apply Teflon tape or pipe sealant to outlet fitting on reel hose, then attach to desired tool, or nozzle. Check connection for leakage, also check hose reel for correct operation. (Details see Operation section.)
- 6. If hose stopper adjustment is required, pull hose from reel and allow to latch at desired length. Loosen stopper bolts and slide stopper to a position close to the hose guide. Tighten stopper bolts, and unlatch the reel.

#### Installation of Hose

- 1. Securely stabilize the reel.
- 2. Facing the swivel fitting side of reel: Turn the drum clockwise, by hand, until the rewind spring is tight, and drum has latched. As an extra precaution while installing new hose, secure drum in the latched position.
- 3. Insert end of the hose through guide roller bracket, and feed through the opening in the drum flange.
- 4. Use Teflon tape or pipe sealant on hose fitting threads, screw fitting into swivel and tighten. Note: To avoid damage to the swivel, use a wrench to support the swivel fitting while tightening the hose.
- 5. Attach hose stopper on the other end of hose, near the outlet fitting.
- 6. Carefully release drum latch, and slowly allow hose to wind onto the reel.

Note: Final spring tension adjustment is accomplished by adding wraps of hose around the drum (to increase tension) or taking off wraps of hose (to decrease tension). Refer to: Adjustment of Spring Tension.



Figure 2.

#### **Operation**

- 1. Check reel for correct operation by slowly pulling out the hose. A "clicking" noise will be heard every half revolution of the drum.
- 2. To latch the reel, pull out the hose and allow it to retract after hearing the first second or third " click".
- 3. To unlatch, slowly pull out the hose until the "clicking" noise stops, then let the hose retract until the hose stop rests against the hose guide.

Note: To avoid damage to the reel, always hold on to the hose while it is rewinding.

4. Periodically check the hose condition for wear or damage, and check the swivel fitting for leakage. Replace any worn, damaged, or leaking parts.

#### Adjustment of Spring Tension

- 1. Pull out approximately 6ft or 2m of hose and allow the drum to latch.
- 2. Remove hose stopper from hose, and feed hose back through guide.
- 3. Wrap the pulled hose one time around the drum to increase tension or un-wrap hose one time from drum to decrease tension.
- 4. Re-insert hose through guide, and install stopper onto hose end.
- 5. Unlatch the Drum and check tension. Pull hose from reel, and adjust stopper position if necessary.

#### Replacement of Swivel Seal

- 1. Turn off and disconnect supply line from swivel inlet.
- 2. Remove swivel assembly from reel axle.
- 3. Remove circlip from swivel, and take apart. Note: You may want to remove swivel from reel hose end, but this in not necessary unless a new swivel is being installed.
- 4. Replace the seals and reassemble swivel.
- 5. Use Teflon type or thread sealant on swivel thread fitting, reconnect the swivel thread fitting with axle.
- 6. Re-connect inlet supply line.

### Replacement of Hose

- 1. Turn off supply to reel.
- Pull out all the old hose and lock the reel in this position.Caution: Make sure reel drum is securely locked and cannot rotate back.
- 3. Remove two hose clamps from hose.
- 4. Carefully disconnect hose from swivel joint on side of reel, or male fitting in axle center and remove old hose.
- 5. Feed new hose through guide and opening in drum, and connect to swivel. Re-install two hose clamps, on inside and outside of drum flange. Install stopper on other end of hose in the same position as before.
- 6. Carefully release the drum latch, and slowly allow the hose to wind onto the reel. Note: Final spring adjustment is accomplished by adding or removing wraps of hose around the drum. (Details see spring tension adjustment).

#### Spring Canister Warning

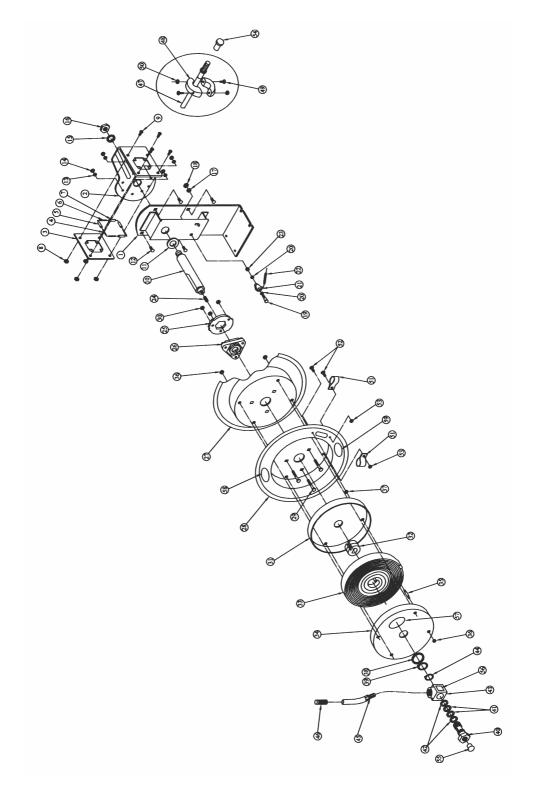
If the rewind spring fails for any reason: For safety reasons, the manufacturer strongly recommends the replacement of the spring canister be carried out by a professional mechanic.

#### Limited Warranty

- 1. The manufacturer warrantees this hose reel against defects in material and craftsmanship, for a period of 12 months from date of purchase.
- 2. Hose, if supplied with reel, O-rings, plastic rollers and rubber stopper are deemed to be normal wear items; not warranted.
- 3. Manufacturer's liability is limited to replacement or repair of defective material within the warranty period, when returned freight prepaid to the distributor or their designated service depot.
- 4. The warranty does not cover damage caused by accident, misuse or faulty installation.
- 5. The reel must be installed and maintained in compliance with the instructions.

# 808 Parts List

1     1     Basee     33     1     Spring       3     1     Support Plate     34     1     Spring       3     1     Gudec Sub-plate     36     8     Nut       4     2     Roller Axle     36     8     Nut       6     2     Roller Axle     38     1     Washer       7     2     Roller Axle     38     1     Washer       8     A     Nut     40     1     Retainer       9     4     Screw     41     2     CRing       10     1     Shaft     42     2     Retainer       10     1     Shaft     42     2     Retainer       10     1     Shaft     42     2     Retainer       11     4     Nut     44     1     Retainer       12     4     Nut     44     1     Retainer       13     4     Nut     44     1     Retainer	Part No.	Quantity	Description	Part No.	Quantity	Description
1     Support Plate     34     1       1     Guide Sub-plate     35     4       2     Roller Axle     36     8       2     Roller Axle     37     4       2     Roller Axle     38     1       4     Nut     40     1       4     Sprink     44     1       4     Washer     44     1       4     Washer     44     1       1     Washer     44     1       1     Washer     49     2       1     Washer     55     2       1     Washer     55     1       2     Washer     55     1       3     Bolt     54     1       1     Scrow     54     1       1     Scrow     55     1       2     Washer     55     1       3     Locking Arm     55     1       4     Drum     55     1 <td>-</td> <td>-</td> <td>Base</td> <td>33</td> <td>-</td> <td>Spring</td>	-	-	Base	33	-	Spring
1     Guide Sub-plate     35     4       2     Roller Axle     36     8       2     Roller Axle     37     4       2     Roller Axle     38     1       2     Roller     39     1       4     Nut     40     1       4     Screw     41     2       1     Washer     41     2       4     Bolt     44     1       4     Washer     44     1       1     Washer     44     1       1     Nut     44     1       1     Washer     49     2       1     Washer     50     2       2     Washer     55     1       1     Nut     53     2       2     Washer     55     1       1     Spring Dog     54     1       2     Washer     55     1       3     Jocking Ring     55     1	2	П	Support Plate	34	-	Spring Drum
2     Roller Axle     36     8       2     Roller Axle     37     4       2     Roller Axle     37     4       2     Roller     39     1       4     Nut     40     1       1     Washer     42     2       4     Bolt     44     1       4     Washer     44     1       4     Washer     44     1       1     Nut     46     2       1     Nut     48     2       1     Nut     50     2       2     Washer     50     2       1     Nut     50     2       2     Washer     50     2       1     Nut     50     2       2     Washer     53     2       3     Washer     53     2       1     Spring Dog     54     1       2     Washer     55     1       3 <td>3</td> <td>П</td> <td>Guide Sub-plate</td> <td>35</td> <td>4</td> <td>Bolt</td>	3	П	Guide Sub-plate	35	4	Bolt
2     Roller     37     4       2     Roller Axle     38     1       4     Nut     40     1       4     Screw     41     2       1     Shaft     42     2       1     Washer     43     1       4     Washer     44     1       4     Washer     44     1       1     Washer     44     1       1     Washer     44     1       1     Nut     46     1       1     Washer     50     2       1     Washer     50     2       1     Nut     50     2       2     Washer     50     2       1     Spring Dog     53     2       1     Screw     56     1       1     Assmbly Hub Bearing     57     1       2     Assmbly Hub     59     1       3     Bolt     59     1	4	2	Roller Axle	36	8	Nut
2     Roller Axle     38     1       2     Roller     39     1       4     Nut     40     1       4     Screw     41     2       1     Shaft     42     2       4     Washer     43     1       4     Washer     45     2       1     Nut     46     1       1     Nut     46     1       1     Nut     49     2       1     Nut     50     2       1     Nut     50     2       1     Nut     53     2       2     Washer     53     2       1     Nut     53     2       1     Spring Dog     57     1       2     Washer     55     1       1     Screw     56     1       1     Assmbly Hub Bearing     59     1       2     Tomm     59     1       3	5	2	Roller	37	4	Nut
2     Roller     39     1       4     Nut     40     1       1     Shaft     42     2       1     Shaft     43     1       4     Washer     44     1       4     Washer     46     1       1     Retainer     47     1       1     Nut     48     2       1     Nut     49     2       1     Nut     49     2       1     Nut     50     2       2     Washer     50     2       1     Nut     50     2       1     Spring Dog     54     1       2     Washer     53     2       1     Screw     55     1       1     Screw     56     1       1     Assmbly Hub Bearing     58     1       2     1     56     1       3     Bott     59     1       3	9	2	Roller Axle	38	-	Washer
4     Nut     40     1       4     Screw     41     2       1     Shaft     42     2       1     Washer     43     1       4     Washer     45     2       4     Nut     46     1       1     Nut     48     2       1     Nut     48     2       1     Nut     49     2       1     Nut     50     2       2     Washer     50     2       1     Spring Dog     53     2       1     Spring Dog     54     1       1     Screw     56     1       1     Assmbly Hub Bearing     58     1       1     Drum     59     1       3     Bolt     3     3       4     Spring Drum     6     1       2     Spring Core     6     1	7	2	Roller	39	_	Retainer
4     Screw     41     2       1     Shaft     42     2       1     Washer     43     1       4     Bolt     44     1       4     Washer     46     1       1     Nut     48     2       1     Nut     48     2       1     Nut     49     2       1     Nut     49     2       1     Nut     50     2       2     Washer     50     2       1     Nut     50     2       2     Washer     52     2       3     Washer     53     2       1     Spring Dog     54     1       1     Screw     56     1       1     Assmbly Hub Bearing     58     1       1     Drum     59     1       3     Bolt     3     Nut       1     Spring Drum     6     1       2	∞	4	Nut	40	П	Swivel Spool
1     Shaft     42     2       1     Washer     43     1       4     Bolt     44     1       4     Washer     45     2       4     Nut     46     1       1     Retainer     47     1       1     Masher     49     2       1     Nut     50     2       1     Washer     50     2       2     Washer     50     2       1     Locking Arm     53     2       1     Spring Dog     54     1       1     Screw     56     1       1     Assmbly Hub Bearing     56     1       1     Assmbly Hub Bearing     58     1       2     Mut     59     1       3     Bolt     3     Nut       1     Spring Drum     59     1       2     Apring Core     6     1       3     Nut     6     1 </td <td>6</td> <td>4</td> <td>Screw</td> <td>41</td> <td>2</td> <td>O-Ring</td>	6	4	Screw	41	2	O-Ring
1     Washer     43     1       4     Bolt     44     1       4     Washer     46     1       4     Nut     46     1       1     Retainer     47     1       1     Retainer     47     1       1     Washer     49     2       1     Washer     50     2       2     Washer     50     2       1     Bolt     51     2       1     Spring Dram     54     1       1     Screw     56     1       1     Assmbly Hub Bearing     56     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       4     Spring Drum     6     1       5     1     2     1       1     Spring Drum     59     1       3     Nut     59     1	10	-	Shaft	42	2	Retainer
4     Bolt     44     1       4     Washer     45     2       4     Nut     46     1       1     Retainer     47     1       1     Masher     48     2       1     Washer     49     2       1     Bolt     50     2       2     Washer     52     2       1     Bolt     53     2       1     Spring Dog     54     1       1     Screw     56     1       1     Assmbly Hub Bearing     56     1       1     Assmbly Hub Bearing     58     1       3     Bolt     59     1       3     Bolt     59     1       3     Nut     59     1       4     50     1     1       5     1     2     1       6     1     2     1       7     1     2     1       8	11	-	Washer	43	1	Swivel Body
4     Washer     46     1       4     Nut     46     1       1     Retainer     47     1       1     Nut     48     2       1     Washer     49     2       1     Washer     50     2       2     Washer     52     2       2     Washer     52     2       1     Spring Dog     54     1       1     Screw     56     1       1     Screw     56     1       1     Assmbly Hub Bearing     57     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       1     Spring Drum     59     1       3     Nut     59     1       4     Spring Oree     6     1	12	4	Bolt	44	_	Retainer
4     Nut     46     1       1     Retainer     47     1       1     Nut     48     2       1     Washer     49     2       1     Nut     50     2       2     Washer     51     2       2     Washer     52     2       1     Spring Dog     54     1       1     Screw     56     1       1     Screw     56     1       1     Assmbly Hub Bearing     57     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       4     Spring Drum     59     1       1     Spring Drum     59     1       1     Spring Oree     6     1	13	4	Washer	45	2	Fitting
1     Retainer     47     1       1     Nut     48     2       1     Washer     49     2       1     Nut     50     2       2     Washer     51     2       2     Washer     52     2       1     Spring Dog     54     1       1     Screw     56     1       1     Screw     56     1       1     Assmbly Hub Bearing     57     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       4     Spring Drum     59     1       1     Spring Drum     59     1       1     Spring Oree     59     1	14	4	Nut	46	-	Hose Protection Spring
1     Nut     48     2       1     Washer     49     2       1     Nut     50     2       2     Washer     51     2       2     Washer     52     2       1     Locking Arm     53     2       1     Spring Dog     54     1       1     Retainer     55     1       1     Screw     56     1       1     Assmbly Hub Bearing     57     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       3     Nut     59     1       1     Spring Drum     59     1       1     Spring Oree     59     1	15	1	Retainer	47	-	Hose
1     Washer     49     2       1     Nut     50     2       2     Washer     51     2       2     Washer     52     2       1     Locking Arm     53     2       1     Spring Dog     54     1       1     Retainer     55     1       1     Screw     56     1       1     Assmbly Hub Bearing     57     1       1     Drum     59     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       1     Spring Drum     59     1       1     Spring Drum     59     1       1     Spring Oree     50     1	16	П	Nut	48	2	Bumper Block
1     Nut     50     2       1     Bolt     51     2       2     Washer     52     2       1     Locking Arm     53     2       1     Spring Dog     54     1       1     Retainer     54     1       1     Retainer     56     1       1     Assmbly Hub Bearing     57     1       1     Assmbly Hub Bearing     58     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       3     Nut     59     1       1     Spring Drum     59     1       1     Spring Drum     59     1       1     Spring Oree     50     1	17	П	Washer	49	2	Screw
1     Bolt     51     2       2     Washer     52     2       1     Locking Arm     53     2       1     Spring Dog     54     1       1     Retainer     55     1       1     Screw     56     1       1     Assmbly Hub Bearing     57     1       1     Drum     59     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       3     Nut     59     1       4     Spring Drum     59     1       5     Spring Oree     50     1	18	П	Nut	50	2	Nut
2     Washer     52     2       1     Locking Arm     53     2       1     Spring Dog     54     1       1     Retainer     55     1       1     Screw     56     1       1     Assmbly Hub Bearing     57     1       1     Drum     59     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       3     Nut     59     1       3     Nut     59     1       3     Spring Drum     59     1       1     Spring Drum     59     1       1     Spring Oree     50     1	19		Bolt	51	2	Clamp
1     Locking Arm     53     2       1     Spring Dog     54     1       1     Retainer     55     1       1     Screw     56     1       1     Locking Ring     57     1       1     Assmbly Hub Bearing     58     1       1     Drum     59     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       3     Nut     59     1       3     Nut     59     1       4     Spring Drum     59     1       5     3     Nut     59     1       1     Spring Oree     59     1	70	2	Washer	52	2	Screw
1     Spring Dog     54     1       1     Retainer     55     1       1     Screw     56     1       1     Locking Ring     57     1       1     Assmbly Hub Bearing     58     1       1     Drum     59     1       1     Drum     59     1       3     Bolt     8     1       3     Nut     8     1       1     Spring Drum     1     1       1     Spring Core     1     1	21	H	Locking Arm	53	2	Nut
1     Retainer     55     1       1     Screw     56     1       1     Locking Ring     57     1       1     Assmbly Hub Bearing     58     1       1     Drum     59     1       1     Drum     59     1       3     Bolt     59     1       3     Nut     59     1       3     Nut     59     1       1     Spring Drum     59     1       1     Spring Drum     59     1       1     Spring Core     59     1	22	П	Spring Dog	54	_	Protection Cover
1     Screw     56     1       1     Locking Ring     57     1       1     Assmbly Hub Bearing     58     1       1     Drum     59     1       1     Drum     59     1       3     Bolt     8     1       3     Nut     8     1       1     Spring Drum     1     Spring Core	23	Г	Retainer	55	-	Protection Cover
1     Locking Ring     57     1       1     Assmbly Hub Bearing     58     1       1     Drum     59     1       1     Drum     59     1       3     Bolt     1     1       3     Nut     1     Spring Drum     1       1     Spring Core     1     Spring Core	24	-	Screw	99	Т	Label
1     Assmbly Hub Bearing     58     1       1     Drum     59     1       1     Drum     59     1       3     Bolt     1     1       3     Nut     1     Spring Drum     1       1     Spring Core     1     Spring Core	25	П	Locking Ring	57	_	Label
1     Drum     59     1       1     Drum     1     1       3     Bolt     8     1       1     Spring Drum     1     Spring Core	26	_	Assmbly Hub Bearing	58	1	Label
1 3 3 7	27	П	Drum	59	_	Label
3 3	28		Drum			
1 1 3	29	3	Bolt			
1 1	30	က	Nut			
1	31	_	Spring Drum			
	32	1	Spring Core			



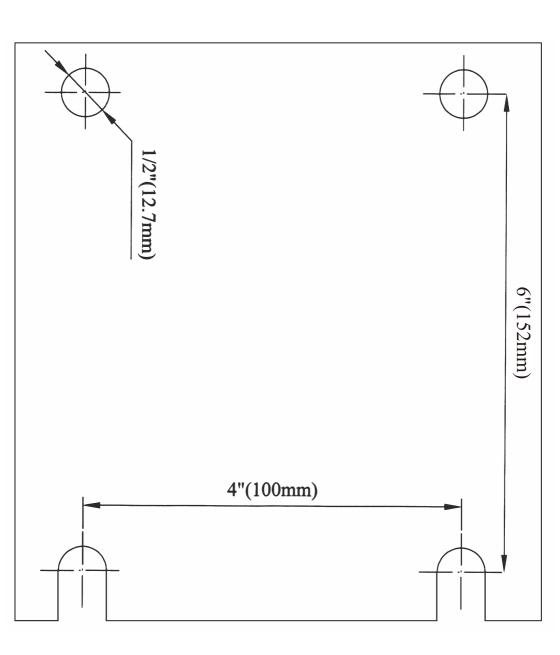


Figure 3