



Forward this manual to all operators.  
Failure to operate this equipment as  
directed may cause injury and/or  
property damage.

## INSTALLATION AND OPERATION MANUAL

**SPRING REWIND  
HOSE REEL  
(Standard / Premium)**

**MODELS  
RH-33SL, RH-50SL,  
RH-50PL, RH-50PM,  
RH-50PH**



### SHIPPING DAMAGE CLAIMS

When this equipment is shipped, title passes to the purchaser upon receipt from the carrier. Consequently, claims for the material(s) damaged in shipment must be made by the purchaser against the transportation company at the time the shipment is received.

### BE SAFE

Your new ranger hose reels are designed and built with safety in mind. However, your overall safety can be increased by proper training and thoughtful operation on the part of the operator. **DO NOT** operate or repair this equipment without reading this manual and the important safety instruction shown inside.

### **Bend - Pak Inc.**

1645 Lemonwood Drive  
Santa Paula, CA 93060, U.S.A  
Tel: 805 933 9970 - Fax: 805 933 9160

**“The Benchmark Of Quality”**

## UPON DELIVERY

1. Carefully remove all packaging material.
2. Inspect the equipment and all parts for any signs of concealed shipment or storage damages.
3. Remember to report any shipping damage to the carrier and make a notation on the delivery receipt.

## IMPORTANT SAFETY TIPS

Be sure to read all warning labels and the instruction manual prior to operation of this equipment.

Keep hands and body clear of all pinch points.

Use proper eye protection when assembling and operation of the hose reel.

Assemble the hose reel on a clean workbench.

Make sure the incoming line pressure does not exceed the rated operating pressure for your model of hose reel.

Use soap and water when checking for leaks.

This equipment is to be used by professional personnel only. Keep children away from the work area.

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

## SPECIFICATIONS / FEATURES

Model	End- Fittings In / Out	PSI	Hose Capacity	Type of Application	Shipping Weight
<i><b>RH-33SL</b></i>	3/8"	300	33	Air / Water	33lbs / 15Kg
<i><b>RH-50SL</b></i>	3/8"	300	50	Air / Water	50lbs / 23Kg
<i><b>RH-50PL</b></i>	3/8"	300	50	Air / Water	55lbs / 25Kg
<i><b>RH-50PM</b></i>	3/8"	3000	50	Air/Water/Oil	57lbs / 26Kg
<i><b>RH-50PH</b></i>	3/8"	4000	50	Air/Water/Oil/Grease	59lbs / 27Kg

## ASSEMBLY INSTRUCTION

### Installation of Reel:

*Note:* For overhead ceiling mounting: install at least 10 feet above the floor.

1. The reel has four 1/2" (12.7mm) drilled holes for mounting on a suitable flat surface.
2. The reel is supplied with a loose guide roller bracket. The bracket position may be changed depending on the reel mounting position (Fig. 1 shows the typical mounting positions). If bracket position needs to be changed do the following:
  - i. Pull out some hose and let the reel latch.
  - ii. Remove the bolts that attach the guide roller bracket to the support post.
  - iii. Rotate guide roller bracket to correct position, replace the bolts and tighten.
3. Using the four holes in the base, mount the reel in the desired location. Be sure to use appropriate hardware to tighten securely.
4. Apply Teflon tape or equivalent to supply line thread, attach to reel inlet and tighten. The other end of the incoming line could be connected to the desired supply source.
5. If hose has been supplied with reel: Apply Teflon tape or equivalent to outlet fitting on reel hose, then attach the desired tool or nozzle. Check connection for leakage.
6. If the hose stopper requires adjustment, pull the hose from the reel and allow to latch at desired length. Loosen stopper to a position close to the hose guide. Tighten the stopper bolts and unlatch the reel.

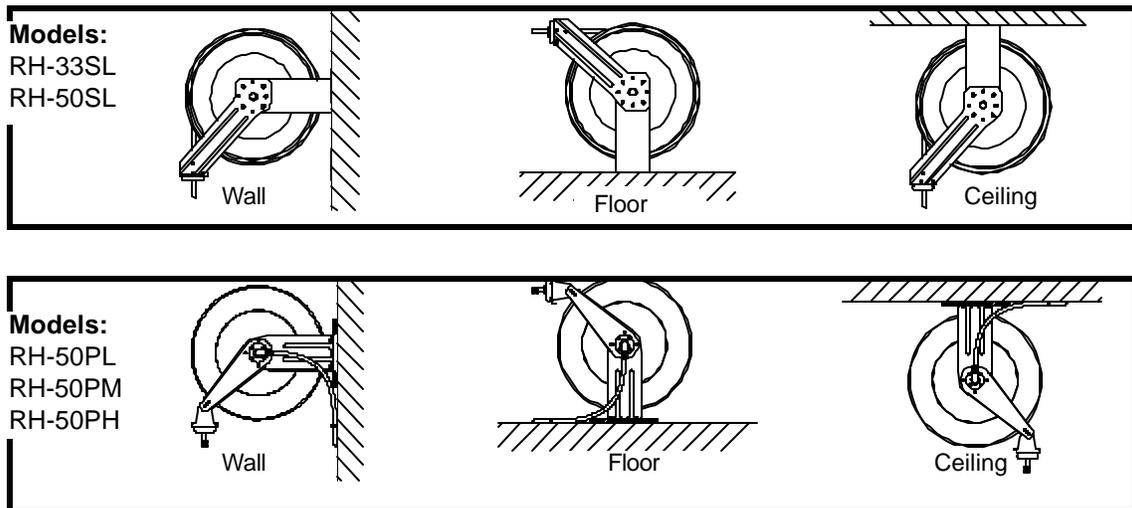


Fig. 1

### **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 the drum has latched. As an extra precaution while installing a new hose, secure the drum in a latched position.
3. Insert end of the hose through guide roller bracket and feed through the opening in the center of the drum hub.
4. 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 at 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.

## **OPERATION INSTRUCTIONS**

Check 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 and allow it to retract after hearing the first, second or third “click”.

To unlatch, slowly pull out the hose until the “clicking” noise stops and 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.

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

## MAINTENANCE INSTRUCTIONS

### Adjustment of Spring Tension:

1. Pull out approximately 6 feet (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 around the drum to decrease tension.
4. Re-insert hose through guide and install stopper onto hose end.
5. Unlatch the drum and check the tension. Pull hose from reel and adjust stopper position if necessary.

### Replacement of Swivel Seal:

*Note:* There are two types of swivel arrangements.

1. Turn off and disconnect supply line from swivel inlet.
2. Remove swivel assembly from reel axil.
3. Hold fitting body in a vise and remove brass tube from body and remove swivel nut from tube.  
*Models RH-33SL and RH-50SL:* Remove circlip from swivel and take apart.  
*Note:* You may want to remove swivel from reel hose end, but this is not necessary unless a new swivel is being installed.
4. Replace the seals and reassemble the swivel.
5. Re-connect the swivel thread fitting with axil.
6. Re-connect inlet supply line. Always use Teflon tape or equivalent when threading brass fittings.

**Replacement of Hose:**

1. Turn off supply to reel.
2. Pull out all the old hose and lock the reel in position.  
*Caution:* Make sure reel drum is surely locked and cannot rotate back.
3. Remove the 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 swivel. Re-install two hose clamps on the inside and outside of the drum flange. Install the stopper on the other end of the 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 the manufacturer strongly recommends the replacement of the spring canister be carried out by professional personnel.

**MANUFACTURER'S LIMITED WARRANTY**

The manufacturer warrants this hose reel against defects in material and craftsmanship, for a period of 12 months from date of purchase.

Hose, if supplied with reel, O-rings, plastic rollers and rubber stoppers are deemed to be normal wear items; not warranted.

Manufacturer's liability is limited to replacement or repair of defective material within the warranty period, when returned freight should be prepaid to the distributor or designated service depot.

The warranty does not cover damages caused by an accident, misuse or faulty installation.

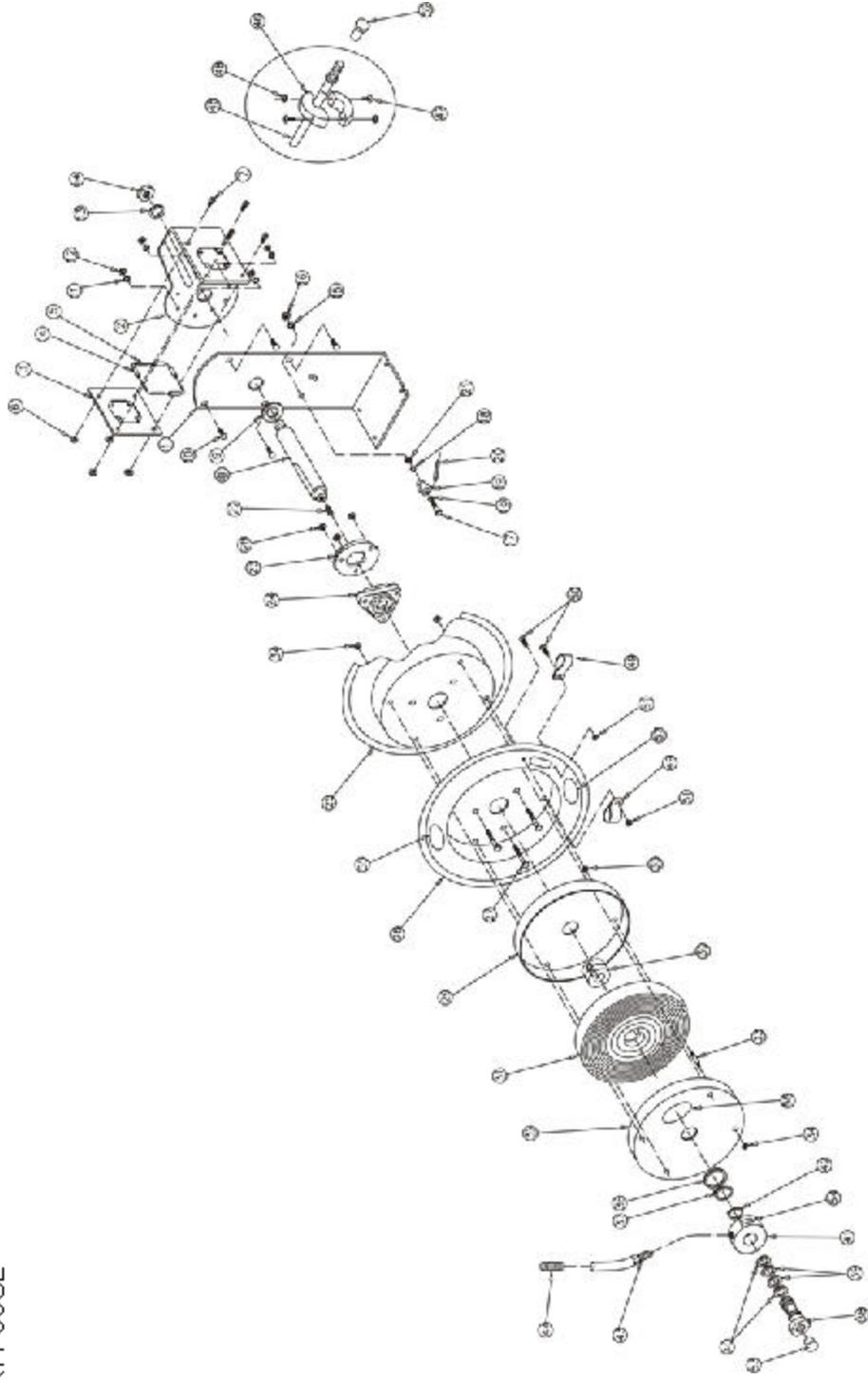
The reel must be installed and maintained in compliance with the instructions.



## RH-33SL Parts List

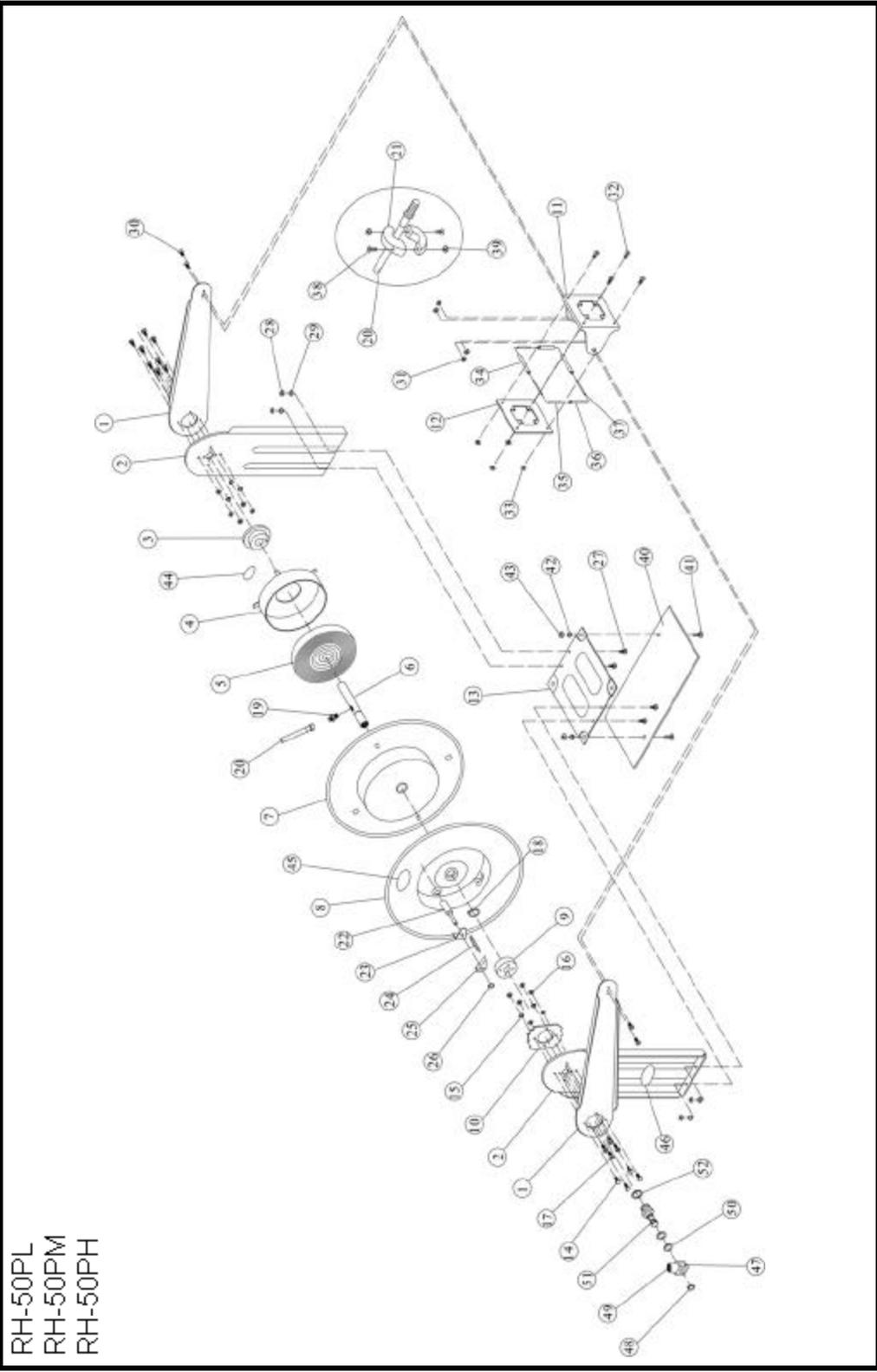
Part No.	Quantity	Description	Part No.	Quantity	Description
1	1	Base	33	1	Spring
2	1	Support Plate	34	1	Spring Drum
3	1	Guide Sub-plate	35	4	Bolt
4	2	Roller Axle	36	8	Nut
5	2	Roller	37	4	Nut
6	2	Roller Axle	38	1	Washer
7	2	Roller	39	1	Retainer
8	4	Nut	40	1	Swivel Spool
9	4	Screw	41	2	O-Ring
10	1	Shaft	42	2	Retainer
11	1	Washer	43	1	Swivel Body
12	4	Bolt	44	1	Retainer
13	4	Washer	45	2	Fitting
14	4	Nut	46	1	Hose Protection Spring
15	1	Retainer	47	1	Hose
16	1	Nut	48	2	Bumper Block
17	1	Washer	49	2	Screw
18	1	Nut	50	2	Nut
19	1	Bolt	51	2	Clamp
20	2	Washer	52	2	Screw
21	1	Locking Arm	53	2	Nut
22	1	Spring Dog	54	1	Protection Cover
23	1	Retainer	55	1	Protection Cover
24	1	Screw	56	1	Label
25	1	Locking Ring	57	1	Label
26	1	Assembly Hub Bearing	58	1	Label
27	1	Drum	59	1	Label
28	1	Drum			
29	3	Bolt			
30	3	Nut			
31	1	Spring Drum			
32	1	Spring Core			

RH-50SL



## RH-50SL Parts List

Part No.	Quantity	Description	Part No.	Quantity	Description
1	1	Base	33	4	Bolt
2	1	Support Plate	34	8	Nut
3	1	Guide Sub-plate	35	4	Nut
4	4	Roller	36	1	Washer
5	4	Roller Axle	37	1	Retainer
6	4	Nut	38	1	Swivel Spool
7	4	Screw	39	2	O-Ring
8	1	Shaft	40	2	Retainer
9	1	Washer	41	1	Swivel Body
10	4	Bolt	42	1	Retainer
11	4	Washer	43	2	Fitting
12	4	Nut	44	1	Hose Protection Spring
13	1	Retainer	45	1	Hose
14	1	Nut	46	2	Bumper Block
15	1	Washer	47	2	Screw
16	1	Nut	48	2	Nut
17	1	Bolt	49	2	Clamp
18	2	Washer	50	2	Screw
19	1	Locking Arm	51	2	Nut
20	1	Spring Dog	52	1	Protection Cover
21	1	Retainer	53	1	Protection Cover
22	1	Screw	54	1	Label
23	1	Locking Ring	55	1	Label
24	1	Assembly Hub Bearing	56	1	Label
25	1	Drum	57	1	Label
26	1	Drum			
27	3	Bolt			
28	3	Nut			
29	1	Spring Drum			
30	1	Spring Core			
31	1	Spring			
32	1	Spring Drum			



RH-50PL  
 RH-50PM  
 RH-50PH

## RH-50PL, RH-50PM & RH-50PH Parts List

Part No.	Quantity	Description	Part No.	Quantity	Description
1	2	Support Bracket Arm	28	4	Bolt
2	2	Support Bracket	29	4	Washer
3	1	Assembly Hub Bearing	30	4	Nut
4	1	Drum for Spring	31	4	Bolt
5	1	Spring	32	4	Nut
6	1	Axle	33	4	Bolt
7	1	Drum	34	2	Roller
8	1	Drum	35	2	Axle for Roller
9	1	Assembly Hub Bearing	36	2	Roller
10	1	Locking Ring	37	2	Axle for Roller
11	1	Guide Plate	38	2	Bolt
12	1	Guide Sub-Plate	39	2	Nut
13	1	Base	40	1	Board
14	8	Nut	41	2	Bolt
15	8	Bolt	42	2	Washer
16	8	Bolt	43	2	Nut
17	8	Nut	44	1	Spring Caution Sticker
18	1	Retaining Ring	45	1	Directon Sticker
19	1	Fitting	46	1	Brand Name
20	1	Hose	47	1	Swivel Caution Sticker
21	2	Rubber Bumper Block	48	1	Swivel Part
22	1	Axle	49	1	Nut
23	1	Support Block	50	1	Washer
24	1	Spring, Dog	51	1	O-Ring
25	1	Cam, Locking	52	1	Rigid Part
26	1	Retaining Ring	53	1	Oil Seal
27	4	Nut	54	2	Washer