All units are provided with right hand rotation unless otherwise specified. This means that spool rotates counter-clockwise to wind hose when viewing reel from swivel side.

Clock-type springs provide power for hose take-up. Reel was pre-tensioned at factory.

**INSTALLATION**

1. Securely mount reel in desired position using 3/8” (M10) bolts. Be sure spool centerline is aligned with hose run.

**NOTE:**
Hose guide must be oriented so hose pays off reel in a straight line without bends. For horizontal hose payoff, reel may be mounted with base facing up or down, or with base mounted to wall or other vertical surface using bracket. For vertical hose payoff, reel may be mounted to wall or to ceiling using bracket included with reel (Fig. 1).

**SPRING REPLACEMENT**

The unique SAFETYCHANGE® spring motor consists of a spring sealed within a housing. A replacement spring is supplied sealed in its housing and the old unit should be discarded completely.

**WARNING**
Do not attempt to remove spring from its housing. Clock-type springs can be dangerous to handle. Removal of spring from housing could result in personal injury.

Please refer to Illustrated Parts List, back page, for disassembly/assembly order and terminology used in these instructions.

1. Turn off air or water pressure to reel.
2. Remove hose stop.
3. Wind hose onto reel to relieve all spring tension.
4. Remove swivel and coupling from main shaft inside spool.
5. Remove retaining ring holding spool on main shaft.
6. Remove entire spool and spring motor assembly.
7. Remove nuts holding spring assembly to spool. Remove spring assembly from spool.
8. Mount new spring assembly on spool. Affix with eight nuts.
9. Reassemble reel by reversing above steps. Be sure flats in spring arbor and main shaft collar are seated on corresponding flat surfaces on main shaft.
10. Adjust spring tension. Refer to SPRING ADJUSTMENT.

**SPRING ADJUSTMENT**

Adjust tension by adding wraps of hose (increasing tension) or removing wraps of hose (decreasing tension) from the spool.

1. Pull about 10’ of hose, allowing spool to rotate.

**INCREASE TENSION:** Without allowing spool to rotate, hand feed hose through hose guide until loop is large enough to slip onto spool. Add two or three wraps until desired tension is achieved. See Figure 2.

**DECREASE TENSION:** Without allowing spool to rotate, hand feed hose back through guide to provide slack. Remove one or two wraps from spool. See Figure 3.

2. Test reel operation.

**RATCHET LOCK**

Reel is shipped with ratchet lock “engaged”. If constant spring tension is required, lock may be disengaged by loosening screw on ratchet lock (item 5 on parts list), sliding the screw to the bottom of the slot and retightening screw.

**MAINTENANCE**

Bearings and springs are prelubricated and require no periodic maintenance.

*Fig. 1 Mounting Options*

If mounting overhead, provide safety chain between reel base and mounting surface to prevent accidental reel drop.
ILLUSTRATED PARTS LIST

COMMERCIAL/INDUSTRIAL HOSE REEL

Always specify SERIAL NUMBER & MODEL NUMBER when ordering parts.

NOTE: Use spool diameter to determine proper kit number for items 4 and 6. Items not listed on parts list are not replaceable.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>KIT NO.</th>
<th>DESCRIPTION</th>
<th>QTY</th>
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<tbody>
<tr>
<td>1</td>
<td>02452</td>
<td>3/8&quot;NPT Swivel</td>
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<tr>
<td>2</td>
<td>107293</td>
<td>3/8&quot;NPT Coupling</td>
<td>1</td>
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<tr>
<td>3</td>
<td>034592</td>
<td>Hose Clamp--1/4&quot; I.D. Hose</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>604127</td>
<td>Hose Clamp--3/8&quot; I.D. Hose</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>601027</td>
<td>Spring Motor Assembly (Reels with 9.5&quot; dia. spool)</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>602810</td>
<td>Spring Motor Assembly (Reels with 12.0&quot; dia. spool)</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>602830</td>
<td>Ratchet Lock Dog Kit</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Includes locking dog, disabling lever, extension spring, grip ring)</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>601043</td>
<td>Main Shaft (Reels with 9.5&quot; dia. spool)</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>604201</td>
<td>Main Shaft (Reels with 12.0&quot; dia. spool)</td>
<td>1</td>
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<tr>
<td>7</td>
<td>024516</td>
<td>3/8-1/4&quot;NPT Bushing</td>
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<td>Hose Assembly--3/8&quot; ID x 20' (For 12.0&quot; dia. spool only)</td>
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</tbody>
</table>

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