



IMPORTANT SAFETY INSTRUCTIONS

Please read this manual carefully and follow its instructions. Improper use or failure to follow these instructions could result in serious injury, death or property damage. Operators should be instructed in the safe and proper use and maintenance of this product. Keep this manual for future reference.

The following safety precautions call attention to potentially dangerous conditions.

 **DANGER:** Immediate hazards which **WILL** result in severe personal injury or death.

 **WARNING:** Hazards or unsafe practices which **COULD** result in severe personal injury or death.

 **CAUTION:** Hazards or unsafe practices which **MAY** result in *minor* personal injury or product or property damage.

NOTE: Instruct operators in the safe, proper use and maintenance. Keep this manual for future reference.

INSTALLATION

 **WARNING:** Failure to read, understand, and follow these instructions may result in hazards or unsafe practices **COULD** result in severe personal injury or death.

 **CAUTION:** Operators need to be instructed on the safe, proper use and maintenance of this product. Keep this manual for future references. Hazards or unsafe practices **MAY** result in *minor* personal injury or product or property damage.

MOUNTING

The fixed base of the reel allows mounting in several different positions including base up, base down, or wall mounted. Here are general mounting requirements:

- Main-shaft must be horizontal.
- Centerline of the spool assembly must be on line with the cable run.
- When mounted overhead in base up position, add a secondary chain, bracket or other safety device to prevent reel from falling in case mounting bolts are removed or become loosened from vibration.

SECONDARY SUPPORT CHAIN

 **DANGER:** A secondary safety cable or chain must be attached to all reels mounted overhead to prevent reel from falling. Immediate hazards **WILL** result in severe personal injury or death.

All reels mounted over head should have a secondary support chain to protect personnel in case of structure or mounting component failure. Attach one end of secondary support chain or cable to secondary support point on reel. Attach other end of secondary support chain or cable to a support component other than that which supports the reel. The chain or cable should be as short as possible allowing reel to drop no more than 6 to 12 inches if the primary connection is released. A secondary support is offered as an accessory item.

PIVOT BASE

If optional pivot base is used, reel will be self-aligning to direction of cable run. The four roller cable guide must be used with pivot or swivel mounts.

SUPPLY HOSE

Assemble supply hose to main shaft. **Do not** use rigid pipe at input connection.

OPERATION

RATCHET LOCK

All models are supplied with a ratchet lock that works in any position. If ratchet lock is not required (constant tension) move spring clip and spring under the adjacent cable guide screw.

HOSE GUIDE

The hose guide position is set by rotating the spring pocket assembly. Loosen the three clamps holding spring pocket assembly in place by unscrewing the three hex head bolts. Unless required, do not completely remove bolts or clamps. Reposition guide as required, making sure clamps straddle ribs on outside diameter of spring pocket assembly and tighten hex head bolts.

SPRING TENSION



CAUTION: Failure to test for adequate spring revolutions can cause damage. Hazards or unsafe practices MAY result in *minor* personal injury or product or property damage.

Reels are not always pretensioned and even if they may require more tension for the application. To prepare reel for use, apply pretensioning turns to spool assembly before connecting free end of working hose. Set spring tension by turning fully wrapped reel through a specific number of revolutions or turns. The number of pretension turns required can vary depending on application and on desired tension force. **A minimum of 2 set up turns is recommended for most applications.** Additional tension may be added, if required, by repeating the above process. After tension is set, connect hose free end. Failure to pretension reel may result in insufficient tension to retract hose and may shorten the life of the spring.

SERVICE



WARNING: Before performing any service, always disconnect and lock out all air power, & Remove all spring tension before attempting any service. Hazards or unsafe practices COULD result in severe personal injury or death.

HOSE REMOVAL & INSTALLATION

NOTE: When replacing hoses, are sure all hose fittings and clamps are secure.

To replace hose, pull hose out far enough to engage ratchet lock and engage lock. Remove ball stop from hose & remove pan head screws. Remove outer drum and loosen hose clamp. Remove hose from barb fitting and clamp then pull hose through hole in inner drum. Feed new hose through hole in inner drum for sufficient length to make connection to barb fitting without kinking or pinching hose. Slide hose clamp over hose end before making connection to barb fitting and tighten hose clamp to provide a leak proof seal. Reverse steps above to complete procedure.

MAIN SPRING & POCKET ASSEMBLY REMOVAL & INSTALLATION



WARNING: Never, under any circumstances, remove spring from its spring pocket assembly. Replacement springs are assembled in a sealed assembly for safety and there is no need to remove them. Serious injury or death could result from removal of spring from its cartridge.

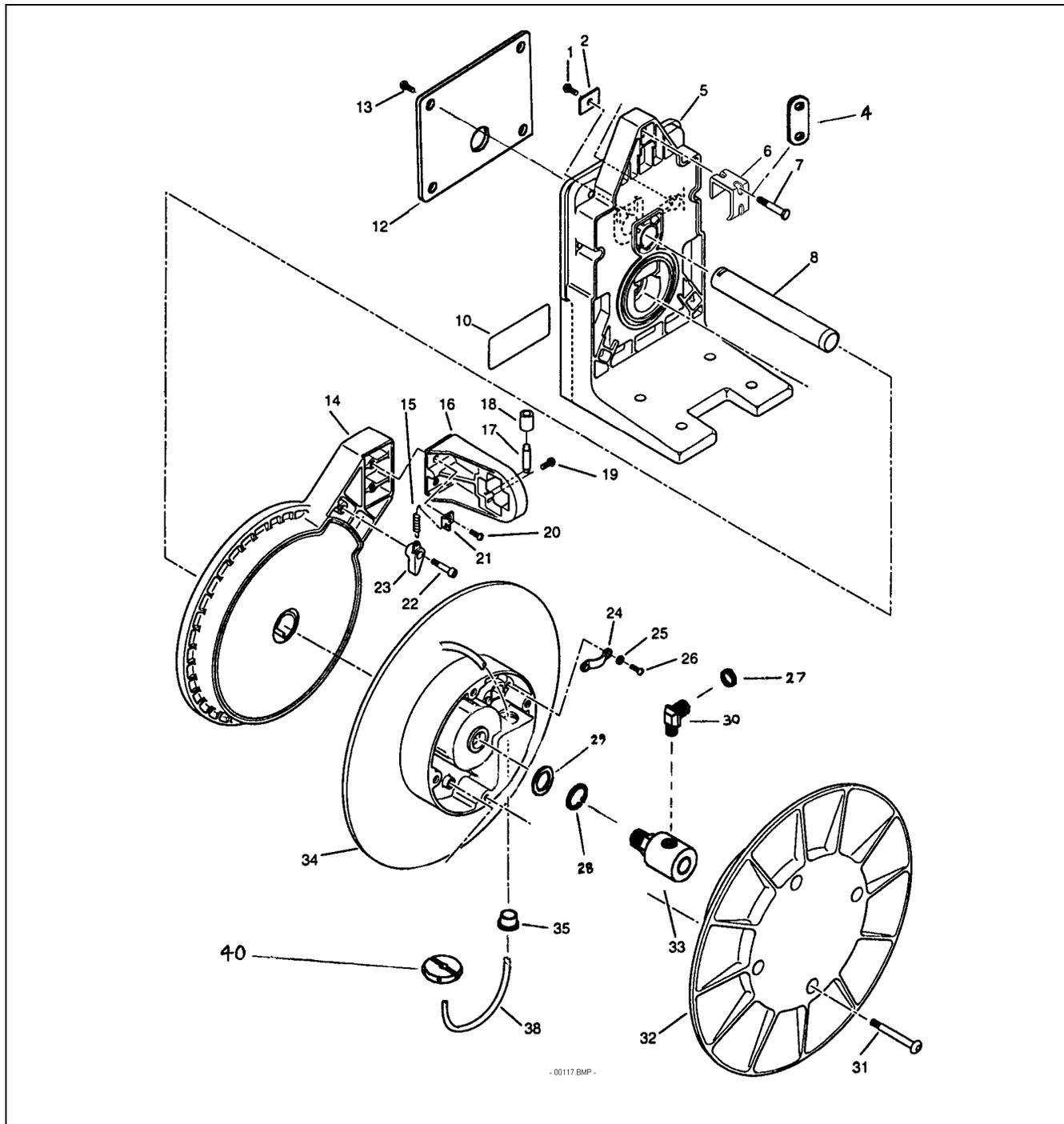
If reel will not develop tension or retract cable, spring pocket assembly may need to be replaced. To replace assembly, remove swivel by removing inner drum which can be done by removing retaining ring and sliding drum off shaft. Remove cable guide, spring clip, ratchet spring, shoulder bolt, and ratchet pawl from spring pocket assembly. Remove spring pocket assembly from base and replace with new part. To reassemble, reverse the above procedure.

SWIVEL REPLACEMENT—SHUT OFF SUPPLY HOSE

NOTE: Always hold shaft firm to prevent rotation when removing or installing swivel.

Remove four pan head screws & remove outer drum. Loosen hose clamp and remove hose from barb fitting. Remove swivel from main shaft. Note barb-fitting orientation. Install barb fitting to new swivel in same orientation as original swivel. Install new swivel. Reverse steps above to complete procedure.

REPLACEMENT PARTS



Reference Number	Part Number	Qty.	Description
1	C03500231	1	Screw pan head M5x12mm
2	M41100003	1	Shaft retainer
4	M46130006	1	Link
5	M04160004	1	Base
6		3	Clamp-Included in Clamp Kit H05040013 below.
7		3	Bolt hex head M6-Included in Clamp Kit H05040013 below.
8	M35140004	1	Main shaft, nickel plated (D65x)
	M35140005	1	Main shaft, stainless steel (D65xSS)
10	M13020099	1	Name plate

12	M40740003	1	Cover
13	C03500253	4	Screw pan head M6x16mm
14	H41220074	1	Spring pocket assembly (D651, D653, D654)
	H41220076	1	Spring pocket assembly (D652, D655, D656, D657)
15	C60610121	1	Extension spring
16	M04730007	1	Cable guide (Included in kit H26340009)
17	M24060125	4	Roller shaft (Included in kit H26340009)
18	M86700006	4	Roller (Included in kit H26340009)
19	C03500251	4	Screw pan head M6x12mm (Included in kit H26340009)
20	C03500255	2	Screw pan head M6x20mm (Included in kit H26340009)
21	M53350002	1	Spring clip
22	C15070225	1	Screw shoulder M8x10x16
23	M86750002	1	Ratchet pawl
24	C39810212	1	Cable clamp (1/4")
	C39810213	1	Cable clamp (3/8")
	C39810216	1	Cable clamp (1/2")
26	C03500233	1	Screw pan head M5
27	00671P0010	1	Hose clamp
28	00576P0046	1	Retaining ring
29	4301000000	1	Spacer
30	C39210304	1	90° barb fitting (D651, D653, D654)
	C39210305	1	90° barb fitting (D651SS, D653SS, D654SS)
	C39210302	1	90° barb fitting (D652, D655, D656)
	C39210301	1	90° barb fitting (D652SS, D655SS, D656SS)
	C39210306	1	90° barb fitting (D657)
	C39210307	1	90° barb fitting (D657SS)
31		4	Screw pan head M6x66mm (Included in Kit H05040008)
32		1	Outer drum half (Included in Kit H05040008)
33	C35960001	1	Swivel - plated steel (D65x)
	C35960002	1	Swivel - stainless steel and brass (D65xSS)
34		1	Inner drum half (Included in Kit H05040008)
35	C49500801	1	Grommet
38	H71180024	1	Assembly; Hose, 1/4" x 35' (D653)
	H71180028	1	Assembly; Hose, 1/4" x 50' (D654)
	H71180044	1	Assembly; Hose, 3/8" x 35' (D655)
	H71180046	1	Assembly; Hose, 3/8" x 50' (D656)
	H71180020	1	Assembly; Hose, 1/4" x 35' (D653SS)
	H71180022	1	Assembly; Hose, 1/4" x 50' (D654SS)
	H71180021	1	Assembly; Hose, 3/8" x 35' (D655SS)
	H71180023	1	Assembly; Hose, 3/8" x 50' (D656SS)
	H71180051	1	Assembly; Hose, 1/2" x 26' (D657)
	H71180052	1	Assembly; Hose, 1/2" x 26' (D657SS)
40	ST1	1	Ball stop -- 1/4 inch hose
	ST2	1	Ball stop -- 3/8 inch hose
KITS	H05040008	1	Drum Kit -- Includes Reference Numbers 31, 32 & 34
	H05040013	1	Clamp Kit- Includes Reference Numbers 6 & 7 (set of 3)
	H26340009	1	Roller Guide Kit Reference Numbers 16,17,18, 19 & 20.

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