3700 SERIES Hose Reel Operations Manual

IMPORTANT
Read this manual carefully before installing, operating or servicing this equipment.

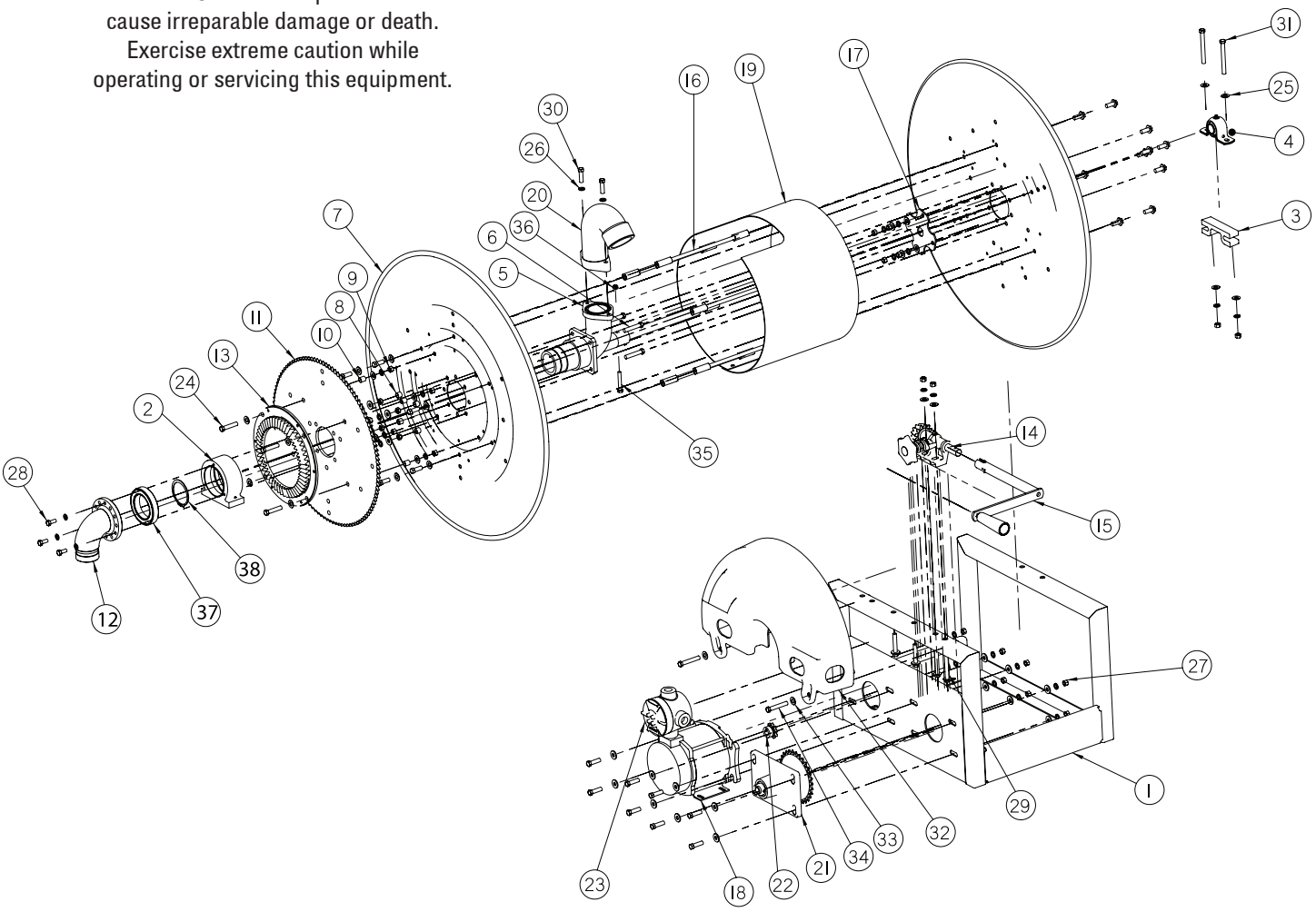
PERSONAL SAFETY
Personal injury and/or equipment damage may result if proper safety precautions are not observed.

ORDER #: _____

MODEL #: _____

SERIAL #: _____

WARNING: Even low pressure can cause irreparable damage or death. Exercise extreme caution while operating or servicing this equipment.



Item #	Description	Quantity	Item #	Description	Quantity	Item #	Description	Quantity
1	FRAME WELDMENT ASSEMBLY	1	14	HANDWIND ASSEMBLY	1	27	S338-6 HEX NUT 3/8"-16 UNC	26
2	BEARING HOUSING SUB ASSEMBLY	1	15	CRANK AND HANDLE ASSEMBLY	1	28	S347-65 HEX CAP SCREW 3/8"-16 UNC X 1"	19
3	PAT1075AL CASTING BEARING SPACER	1	16	TIE ROD	6	29	S347-611 HEX CAP SCREW 3/8"-16 UNC X 2.5"	2
4	PILLOW BLOCK ASSEMBLY	1	17	HEAD INSERT	1	30	S347-66 HEX CAP SCREW 3/8"-16 UNC X 1.25"	10
5	SPINDLE	1	18	MOTOR	1	31	S347-616 HEX CAP SCREW 3/8"-16 X 3.75"	2
6	SUPPORT SHAFT	1	19	DRUM	1	32	CHAIN GUARD	1
7	HEAD	2	20	GOOSENECK	1	33	S350-41 WASHER SMALL 3/8"	2
8	S390030-1 SPACER 3/8" X 7/16" LG	4	21	IDLER ASSEMBLY / or CLUTCH ASSEMBLY	1	34	S347-610 HEX CAP SCREW 3/8"-16 UNC X 2.25"	2
9	S338-5 HEX NUT	4	22	SPROCKET, MOTOR	1	35	S376-59 HEX CAP SCREW (5/16-18 X 2)	1
10	S390030-3 SPACER 3/8" X 3/4" LG	4	23	JUNCTION BOX ASSEMBLY (OPTIONAL)	1	36	S85-7 NYLOC NUT (5/16-18)	1
11	SPROCKET, LARGE	1	24	S347-69 HEX CAP SCREW 3/8"-16 UNC X 2"	10	37	SEAL AND RING ASSEMBLY	1
12	INLET	1	25	S350-6 WASHER 3/8"	56	38	SNAP RING	1
13	GEAR, BEVEL	1	26	S339-616 LOCK WASHER 3/8"	30			

Reelcraft Industries, Inc. • 2842 E Business Hwy 30, Columbia City, IN 46725
Ph: 800-444-3134 / 260-248-8188 • Fax: 800-444-4587 / 260-248-2605
Customer Service: 855-634-9109 • reelcraft@reelcraft.com • www.reelcraft.com

REELCRAFT®

Hose Reel Operations Manual

PERSONAL SAFETY

- Ensure that reel is properly installed before connecting supply line (see instructions).
- Before connecting supply line to reel, ensure that supply line pressure does not exceed maximum rated working pressure of the reel.
- Do not wear loose fitting clothing while operating reel.
- Be aware of other personnel / machinery in work area.
- If a leak occurs in hose or reel, remove supply line pressure immediately.
- Treat and respect a hose reel as any other piece of machinery, observing all common safety practices.

WARNINGS & TIPS

Prevent static sparking

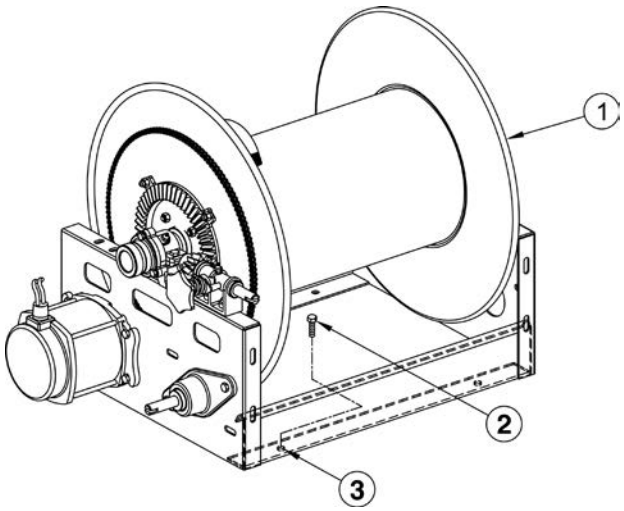
- Pull hose by grasping the hose itself not by the control valve swivel.
- When working around flammable liquids such as solvents, paints, chemicals or petroleum products, ensure that the hose reel and the equipment being serviced is properly grounded. Use a grounding hose (static wire).
- Use an ohmmeter to check continuity of the grounding circuit. Fire and/or explosion can result if proper grounding is not achieved.
- If reel is electric, air or hydraulic driven, be careful of chain / sprocket drive system. Keep hands clear and do not wear loose fitting clothing while operating reel.
- If reel ceases to unwind or rewind properly, remove power immediately. Do not pull or jerk on hose. Find and remedy problem before continuing.

PRE-INSPECTION

1. Check reel for shipping damages.
2. Insured all parts are supplied as ordered.
3. Record model number and serial number for future reference.

MOUNTING

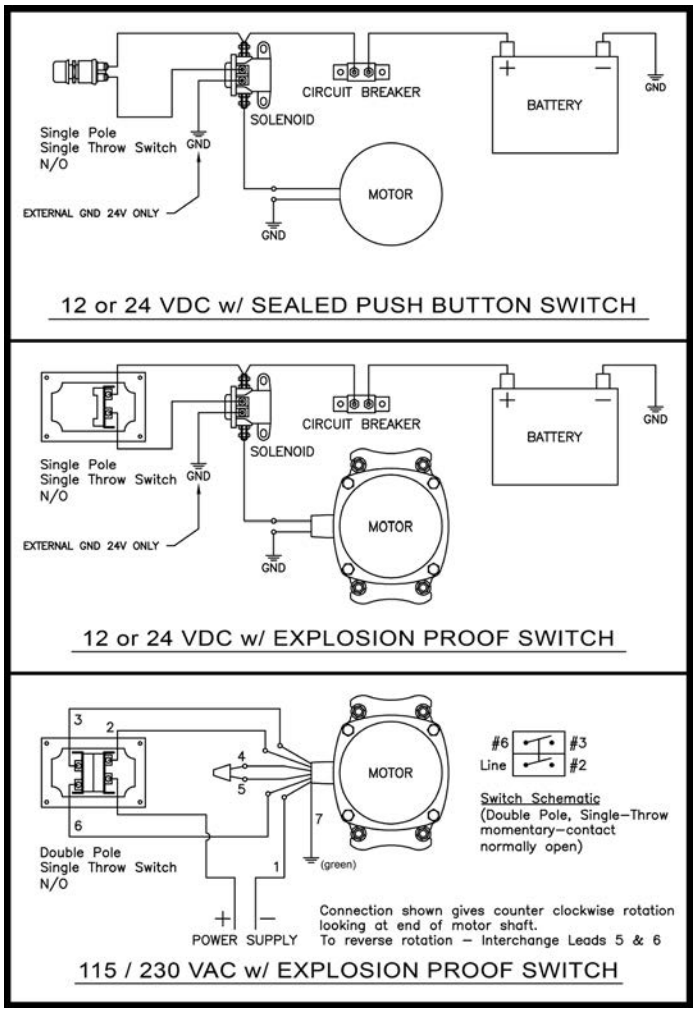
1. Unpack and inspect reel - rotating spool (1) to check for smooth operation.
2. Ensure that mounting surface is rigid and flat to prevent binding of reel after it is installed. This is important to ensure proper alignment.
3. Drill four mounting holes in reel frame. Secure reel to mounting surface by inserting four bolts (2) through the four mounting holes (3) just drilled into the reel frame. Tighten securely to ensure a solid, rigid attachment.



ELECTRIC DRIVEN REELS

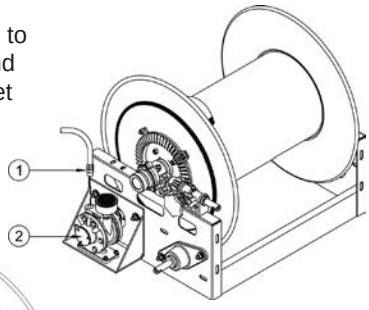
WARNING: Remove all electrical power when wiring. DO NOT "HOT WIRE". Observe all applicable NEC, OSHA, and local codes.
NOTE: It is not proper to connect either power lead to any part of the motor, or to any part attached to the motor, such as the terminal box, as that would make the motor an integral part of the electrical power circuit.

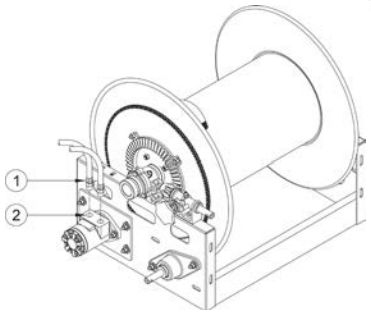
1. Ensure that all supply and motor electrical ratings are compatible.
2. Wire power to the motor following applicable wiring diagram.
3. Switch reel on to insure proper wiring procedures were followed. Check alignment of heads, motor, chain and sprocket while the hose reel turns.



AIR DRIVEN REELS

1. Apply thread compound to inlet air line fitting (1) and pneumatic motor (2) inlet threads.
2. Connect inlet air line (1) to motor (2).





HYDRAULIC DRIVEN REELS

1. Apply thread compound inlet / outlet hydraulic line fittings (1) and hydraulic motor inlet threads (2).
2. Thread hydraulic line fittings (1) into motor inlet / outlet (2) tighten securely.

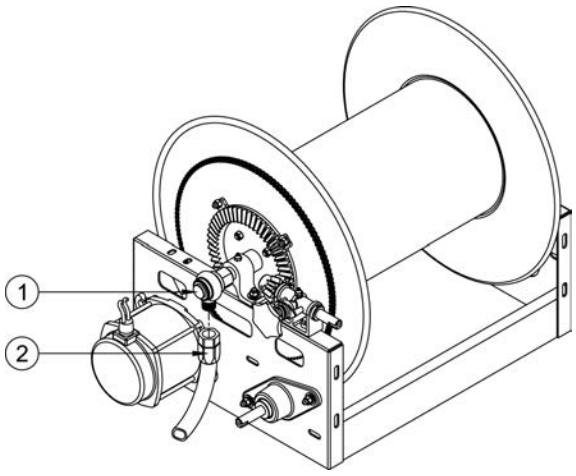
INLET CONNECTION

NOTE: Install a union fitting as near as possible to the swivel joint inlet, so the joint can be easily removed for servicing.

CONNECTING THE SUPPLY LINE FOR THREADED INLET SWIVELS

NOTE: Avoid strain on swing joint at all times. Threaded type swivel inlets must be connected to the fluid supply by using a flexible connector.

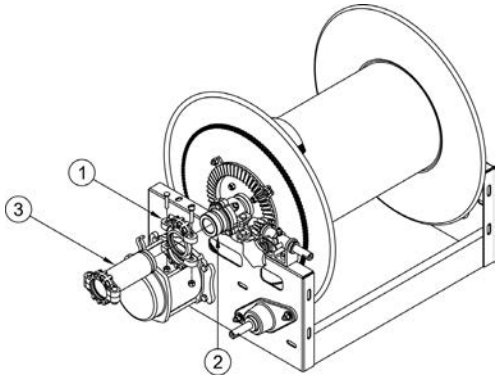
1. Apply thread compound to the swivel (1) and connecting hose fitting (2) threads.
2. Thread connecting hose fitting (2) into swivel (1). Tighten securely.
3. With control valve open, fully extend and charge hose to purge system of gases. When fluid appears at control valve, close valve. This prevents flattening of hose and excessive pressure on drum when fluid supply is reinitialized at a later time.



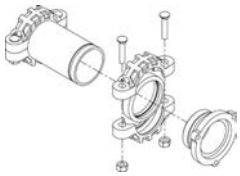
GROOVED INLET SWIVELS

NOTE: Grooved type swivel joint inlet connections must be carefully aligned. Two grooved connections, correctly installed, allow adequate flexibility for smooth rotation.

1. Connect grooved coupling onto inlet swivel fitting and inlet supply line
2. Adjust inlet supply line to verify flexibility exists for proper alignment.
3. With control valve open, fully extend and charge hose to purge system of gases. When fluid appears at control valve, close valve. This prevents flattening of hose and excessive presure on drum when fluid supply is reinitialized at a later time.



GROOVED CONNECTION



FLEXIBLE CONNECTION

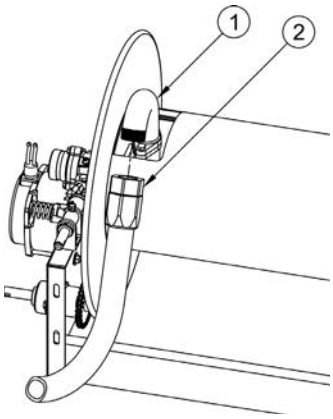


NOTE: Failure to use flexible connector with any live reel will void warranty

For larger reels, gooseneck may be removed from reel to fit to hose. Note that if the reel has a welded or threaded riser in the fluid path assembly, it cannot be removed to attach the hose.

CAUTION: Do not connect the output hose to the gooseneck (1) until after the reel is installed and motor connections are complete. Fill the hose before winding on the reel to prevent excessive pressure on the drum when hose is filled.

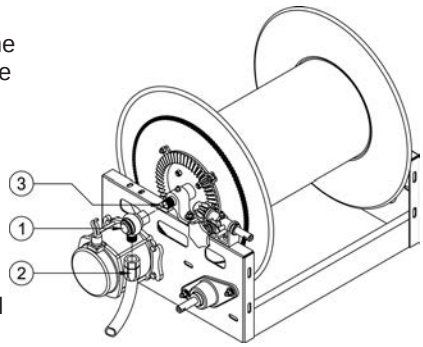
1. Apply thread compound to connecting gooseneck (1) and output hose fitting threads (2).
2. Hand thread output hose fi tting (2) into gooseneck (1).
3. Using a wrench, fi rmly hold gooseneck (1) while tightening out put hose fitting (2).



Hose Reel Operations Manual

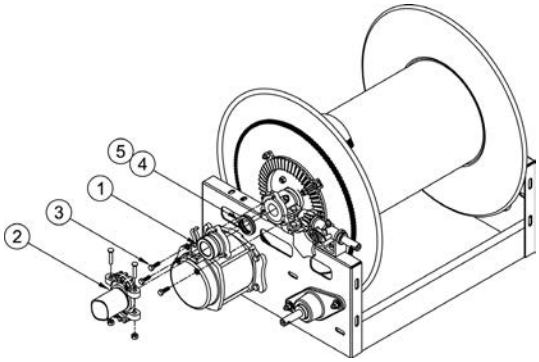
REPLACE THE SWIVEL
CAUTION: Remove supply line pressure before performing the following procedures.

1. Remove supply line (2) from the swivel (1) or inlet.
2. Remove swivel (1) from inlet shaft (3).
3. Install replacement swivel by reversing steps 1 & 2.



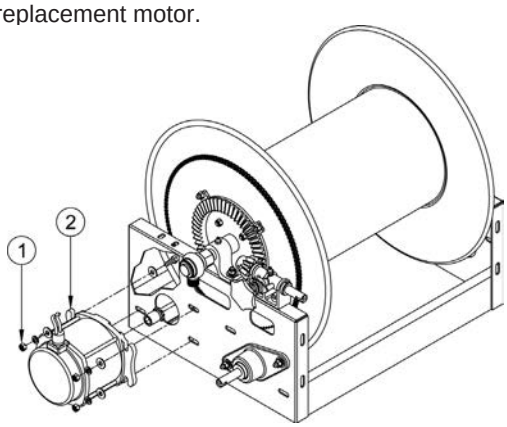
REPLACING "U" CUP SEALS ON NORDIC SWIVELS
NOTE: For special swivels such as food grade, Catherine style reels, and special purpose swivels, see attached exploded drawing and parts list for special instructions for swivel repair / replacement.

1. Remove supply line (3) from inlet adaptor (1).
2. Remove all three bolts (2).
3. Pull seal from recess inside of inlet adaptor.
4. Examine new seal (5) and ring (4) to check for damage.
5. Moisten face of seal with lubricant and replace into inlet adaptor (1).
6. Bolt adaptor back in place and re-install supply line.



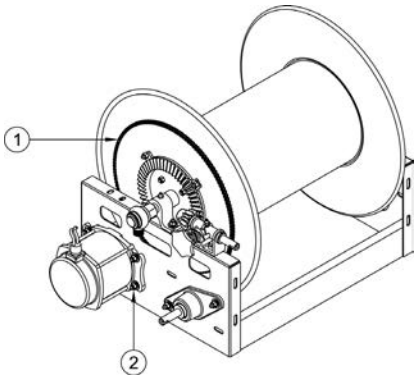
REPLACING THE MOTOR
CAUTION: Before replacing the motor, remove electrical power and fluid pressure from reel.

1. Loosen (do not remove) bolts (1) securing motor (2) to reel.
2. Slide motor and remove chain.
3. Remove bolts securing motor.
4. Install replacement motor.



REPLACING THE CHAIN
CAUTION: Before replacing the chain, remove electrical power and fluid pressure from reel.

1. Loosen (do not remove bolts securing motor (2) to reel.
2. Remove chain master-link.
3. Install replacement chain (1).
4. Adjust chain tension by moving motor until properly obtained. Over tensioning results in reduced motor life. Adjust to allow between ¼" and ½" play in chain.



HOW TO ORDER REPLACEMENT PARTS
Please provide the following information:

1. Model number
2. Serial number
3. Part description and/or balloon number listed on the front of this manual.

*Some parts may not be shown, in this case a detailed part description will be required.