OPERATOR'S MANUAL

INCLUDING: OPERATION, INSTALLATION & MAINTENANCE

614304-B

RELEASED: 10-23-90 REVISED: 6-21-10 (REV. B)

OPEN TYPE HOSE REEL

TWO UPRIGHT, DOUBLE SWIVEL **MEDIUM PRESSURE**

3000 PSI (207 bar) MAX. WORKING PRESSURE

IMPORTANT: READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING THIS EQUIPMENT.

614304-B

Includes Roller Bracket and Reel Stop Asm.

SPECIFICATIONS

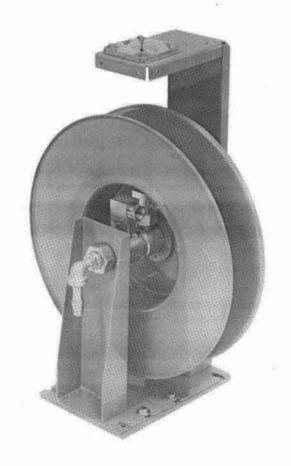
Material Inlet size	1/2"NPT-Male
Hose Connection (Outlet) Size	1/2"NPT-Female
Hose Receiver Hub Dia	9"(229 mm)
Hose Receiver O.D. Dia	19"(438 mm)
Hose Receiver Width	3"(76 mm)
Overall Height	.26.187"(665 mm)
Swivel Pressure Max. Cap3	000 PSI (207 bgr)
Capacity (Hose)	ID Wire Braid Hose
Service Kit Available	637036-В

614305-B

No Roller Bracket or Stop

SPECIFICATIONS

Material Inlet size
Hose Connection (Outlet) Size3/4"NPT-Female
Hose Receiver Hub Dia9"(229 mm)
Hose Receiver O.D. Dia
Hose Receiver Width3"(76 mm)
Overdii Height
Swivel Pressure Max. Cap
Service Kit Available





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OPERATING AND SAFETY PRECAUTIONS

DO NOT EXCEED MAXIMUM WORKING PRESSURE

- . HEED ALL WARNINGS.
- · Use ARO replacement parts to assure compatible pressure rating.
- WARNING: SYSTEM PRESSURE LIMITS. System pressure should never exceed the maximum working pressure of any component or accessory used in the system.
- WARNING: INJECTION HAZARD. NEVER ALLOW PRESSURIZED MATERIAL, FLUIDS, OR AIR TO BE DIRECTED TOWARDS THE SKIN.
- WARNING: SPRING UNDER TENSION. Be extremely careful when working on a reel when the spring is under tension, be certain to take all precautions necessary to insure safety.

OPERATING INSTRUCTIONS

- When pulling hose from reel, pull on hose itself, not on control handle or swivel.
- When hose is withdrawn from reel as far as possible, do not continue to pull or jerk in order to gain an extra inch.
- To catch hose in extended position, pull out to desired length and then let retract slowly until it catches.
- To retract hose back on to the reel, let it go back rapidly until only a few feet remain out, then slow it down. Do not permit hose to bang back onto the reel.

SERVICE INSTRUCTIONS

NOTE: Refer to parts list pages 4 & 5 for parts shown "()".

ADJUSTING TENSION ON HOSE

To increase tension:	
_Pull four or five wrap _Engage stop dog in _Put wraps back on re- tension is obtained.	
To relieve tension:	
Engage stop dog in Remove wraps of hos tension is obtained. Adjust hose stop to	e with reel in stationary position until desired
ADJUST	ING STOP DOG TENSION
wound from the reel t while it is used.	nechanism which allows the hose to be un- to any desired length and locked in position eatch, more tension is required on it.
To increase tension on	the Stop Dog: Refer to parts view page 5.
Increase tension un If the Stop Dog catch	(40) screw CLOCKWISE TO INCREASE spring og is held lightly against the spring cage. It the Stop Dog action is satisfactory, less too often and will not allow the hose to asion on it should be decreased.
To decrease tension on	the Stop Dog:

_Follow the above procedure, except turn (40) screw COUNTER-CLOCKWISE TO DECREASE spring tension on the Stop Dog. _Retighten the (41) nut to secure the screw in position.

HOSE REPLACEMENT

See pages 4 & 5.

CAUTION: RELIEVE ALL PRESSURE FROM SYSTEM Pull hose out as far as possible and lock securely into position with stop dog.
Remove U-bolt, spacers, and nuts which retain the hose. Unthread hose from coupling.
_To install new hose, reverse the above proceedure leaving a little slack between the swivel and the hose clamp.
OTE: Use PTFE tape on the threads upon assembly. AUTION: Tighten hose clamp securely so the pull is on the hose clamp and not on the swivel nut. DO NOT tighten so tightly that the hose I.D. is collapsed.

LUBRICATION

When it is necessary to remove the swivel from the reel, repack the swivel with a good grade of moly-type bearing grease.

COMMON PARTS LIST

REF.	DESCRIPTION	614304-B PART NO.		614305-B PART NO.	
1	Screw	Y334-108-0	2(4)	Not Used	
2	Roller, Nylon	78159-1	(4)	Not Used	
3	Roller Pin	77711-1	(2)	Not Used	
4	Roller	74038-1	(2)	Not Used	
5	Roller Plate	77720-1	(1)	Not Used	
6	Nut	Y12-4-C	(8)	Y12-4-C	(8)
7	Washer	Y117-416	(6)	Y117-416	(6)
8	Cage Service Asm.	61973-3	(1)	61973-2	(1)
9	Arm Asm.	61979-1	(1)	Not Used	
10	Spacer	71800	(2)	71800	(2)
11	Washer	Y14-416-C	(3)	Y14-416-C (2	
12	Screw	Y61-410-C	(2)	Y61-410-C	(2)
13	Nut	Y12-106-C	(9)	Y12-106-C	(9)
14	Screw	4543	(1)	4543	(1)
15	Hub Asm.	60762	(1)	60762	(1)
16	Shaft	76888-1	(1)	76888-1	(1)
17	Bracket Asm.	71829-1	(1)	Not Used	
18	Screw	Y6-51-C	(8)	Not Used	
19	Stand Asm.	61377	(1)	61377-1	(1)
20	Stop Dog	73337	(1)	Not Used	
21	Shaft	77195-1	(1)	Not Used	
22	Washer	Y14-816-C	(1)	Not Used	
23	Nut	Y11-108-C	(1)	Not Used	
24	Washer	29538	(1)	Not Used	
25	Ring	Y145-8	(1)	Not Used	
26	Screw	Y6-62-C	(4)	Y6-62-C	(4)

REF		614304-B		614305-B	
	DESCRIPTION	PART NO.	(QTY)	PART NO.	(QTY)
27	Washer	77210	(8)	77210	(8)
28	Receiver Asm.	61747	(1)	61747	(1)
29	Adapter	71964	(2)	Not Used	
30	Elbow	Y43-203-C	(2)	Not Used	
31	Bushing	Y45-108-C	(2)	Not Used	
32	Bushing	Y45-109-C	(2)	Not Used	
33	Stand Asm.	61868	(1)	61868	(1)
34	Plate	77209	(1)	77209	(1)
35	Spring	79126-1	(1)	Not Used	
36	E-Ring	Y180-18	(1)	Not Used	
37	Link	70709	(1)	Not Used	
38	Washer	91089	(1)	Not Used	
39	Link Nut	77727-1	(1)	Not Used	
40	Screw	Y197-158-C	(1)	Not Used	
41	Nut	Y12-104-C	(1)	Not Used	
	THE FOLLOWING P	ARTS RETAIN TH	HE HOSE	, NOT SHOWN	1
42	U-Bolt	76565	(1)	76565	(1)
43	Washer	Y13-4-C	(2)	Y13-4-C	(2)
44	Nut	Y107-4-Z	(2)	Y107-4-Z	(2)
	THE FOLLOWIN	G ARE INCLUDE	D BUT N	NOT SHOWN	
	Screw	Y6-65-C	(8)	Y6-65-C	(8)
	Nut	Y12-106-C	(8)	Y12-106-C	(8)
	Washer	77210	(4)	77210	(4)
	Union	4566	(2)	Not Used	
	Tube Asm.	70424	(2)	Not Used	

REEL DISASSEMBLY AND ASSEMBLY

RELIEVE ALL PRESSURE FROM SYSTEM

- _Remove hose stop and let reel unwind slowly and carefully to relieve all spring tension.
- Remove nuts, washers, and "U"bolt, to allow unthreading of hose from hose coupling.
- _Remove swivel from swivel body.
- Remove (6) nuts and remove (8) spring cage service asm. from

WARNING: DO NOT ATTEMPT TO REPLACE THE SPRING

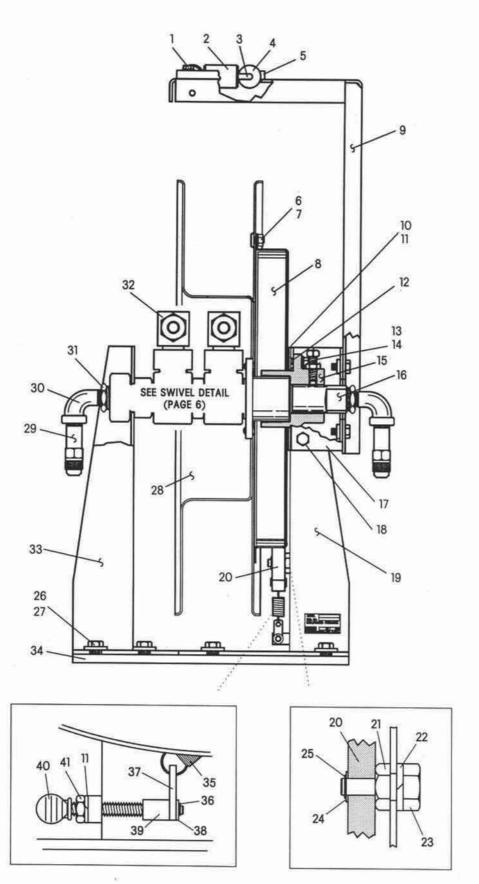
SEPARATELY. An unleashed spring can be hazardous. A replacement spring is available only in a spring cage asm. for safety. NOTE: See page 6 for Disassembly of Swivel Section.

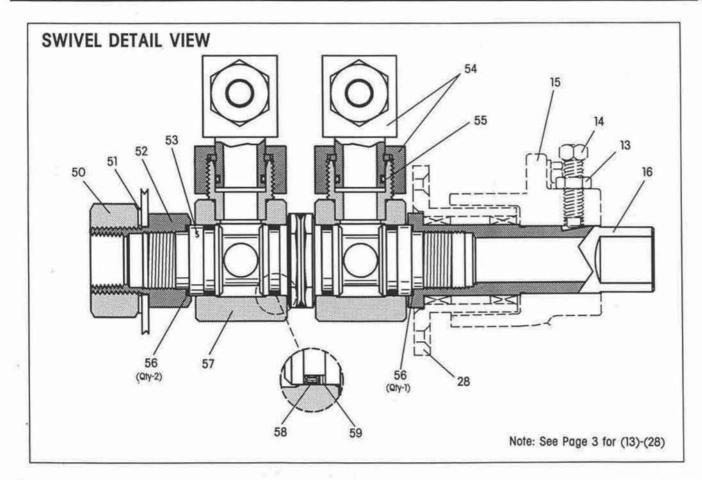
REEL ASSEMBLY

_Reassemble in reverse order.

Allign spring and cage asm. with hose receiver with outside loop over pin and other end through slot in hub as shown on decal on reel stand.

DUAL-SWIVEL REEL ASM. 614304-B 614305-B





REF.	DESCRIPTION	(QTY)	PART NO
50	Nut	(1)	76892
51	Washer	(1)	Y1-971
52	Bearing Stud	(1)	76891-1
53	Weld Asm.	(1)	61743
54	Adapter	(2)	61744

REF. DESCRIPTION	(QTY)	PART NO.
√ 55 O-Ring	(2)	Y325-116
≥56 Gasket	(3)	76890
57 Swivel Asm.	(2)	61745
√58 Quad Ring	(4)	92103
√59 Spiral Backup Ring (PTFE)	(4)	92107

Parts included in 637036-B Service Kit.

SWIVEL ASSEMBLY SERVICE

Service Note: Inspect parts which have been removed for wear or damage and replace as needed.

NOTES

- 1. Presoak the packings in 30 Wt. oil before assembly.
- 2. Be sure the spring is in proper allignment when reinstalling.
- 3. Note the location of (58) & (59). The (59) spiral rings are located to the outside of the swivel. (See detail) CAUTION: Do not roll the "O"ring over sharp edges such as threads, which may damage the "O"ring. Cover any sharp edges with tape or paper and carefully slide the "O"ring into position.

OPEN STYLE REEL DIMENSIONAL DATA

Reel Model 614304-B (only) is shipped in Position "A", to change Arm Angle remove (18) screws, move to Position "B" or "C" and replace screws.

- The discharge support arm angle must be adjusted to avoid sharp bending of the hose.
- Models with exposed arm may be mounted on the floor, ceiling, or side wall.

