

Instructions



# Hose Reel Swivel Kit and Swivel Seal Kit

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*- Swivel and Swivel Seal Replacement Instructions -*



## **Important Safety Instructions**

Read all warnings and instructions in this manual. Save these instructions. For complete Warnings and instructions, see instruction manual 313431.

## **Swivel Replacement Kits**

### **NOTE:**

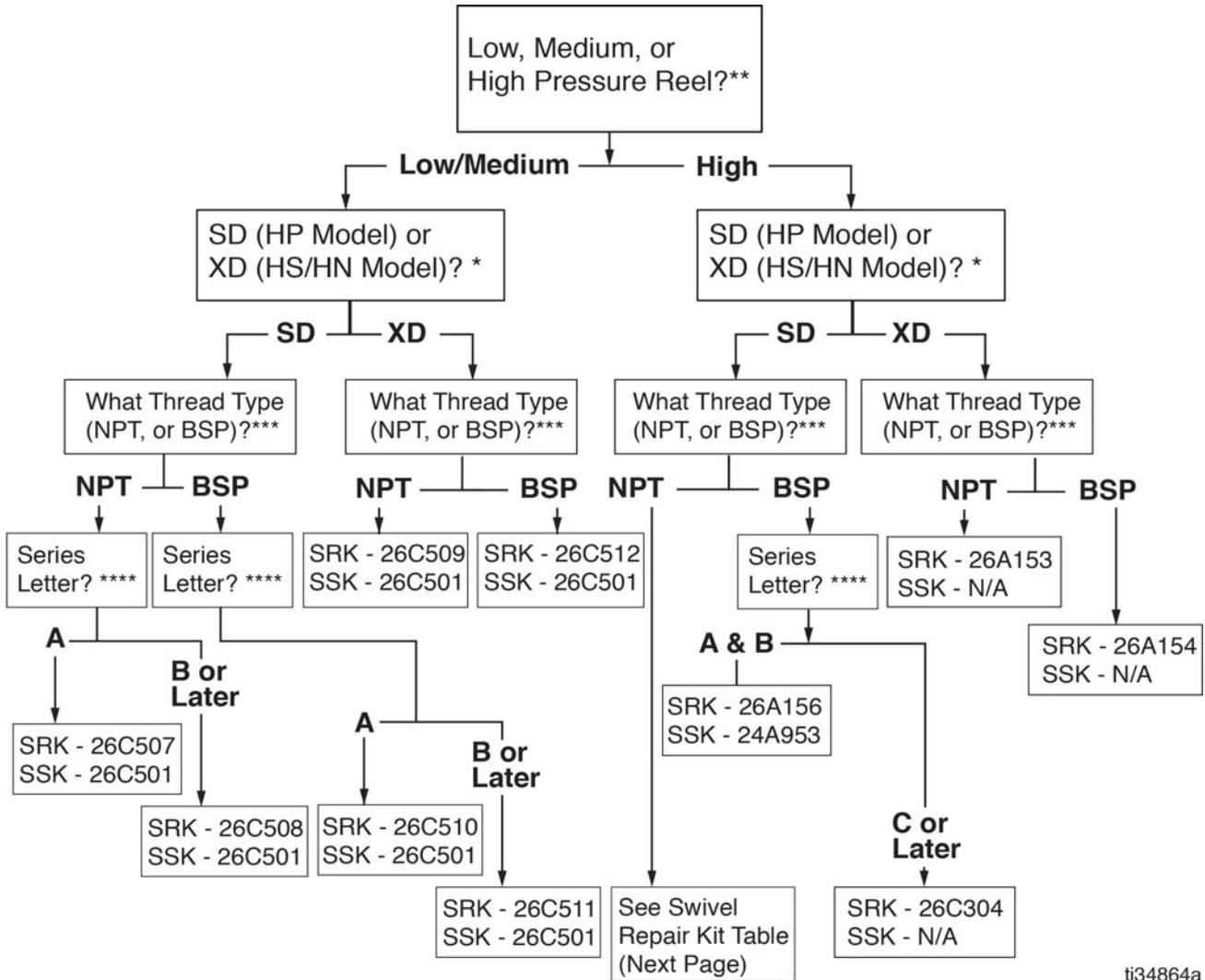
- ‡ Swivel Replacement Kits (SRK) include all parts necessary to replace the swivel assembly, including the seals which are also provided in the Swivel Seal Kits (SSK).
- ❖ If only the swivel seals require replacement, use Swivel Seal Kit (SSK) 26C501 or 24A953. Swivel Seal Kits are not available for the new series High Pressure Reels. For these reels, the entire swivel assembly must be replaced.

### **Kit Selection:**

See Kit Selection Flow Chart (Page 3) to determine the correct replacement kit(s) for your specific hose reel.

# Kit Selection Flow Chart

See Page 3 for information about identifying your hose reel.



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## Hose Reel Label

The label contains the following fields and information:

- MODEL NO.**: A box with three columns labeled '2<sup>nd</sup>', '3<sup>rd</sup>', and '6<sup>th</sup>'.
- SERIES**: A box with one column labeled '7<sup>th</sup>'.
- BARE REEL MAX WPR**: A box with three columns labeled 'PSI', 'bar', and 'MPa'.
- REEL W/HOSE MAX WPR**: A box with three columns labeled 'PSI', 'bar', and 'MPa'.
- GRACO INC.**: P.O. Box 1441, Minneapolis, MN, U.S.A. 55440-1441.
- CE** mark and text: "Designed in the U.S.A. Made by Graco in U.S.A. Label No: 293516".
- Icon**: A person using a hose reel.

FIG. 1

**NOTE:**

\* Use the 2nd character in the model number to determine the reel type category (FIG. 1).

- P = SD Series
- S = XD Series
- N = XD Series

\*\* Use the 3rd character in the model number to determine the reels pressure category (FIG. 1).

- L = Low Pressure
- M = Medium Pressure
- H = High Pressure.

\*\*\* Use the 6th character in the hose reel model number to determine the thread type (FIG. 1).

- A, B, C, D, E, F, G = NPT
- J, K, L, M, N, P, R, S, T, U = BSP

\*\*\*\* The 7th (last) character in the hose reel series is the Series Letter (FIG. 1).

Swivel Repair Kits			
Hose Reel Part No.	Series Letter**	Swivel Replacement Kit (SRK)	Seal Replacement Kit (SSK)
HPH15_	A-E	26A155	24A953
	F and later	26C303	N/A
HPH1D_	A-E	26A155	24A953
	F and later	26C303	N/A
HPH23_	A-G	26A155	24A953
	H and later	26C303	N/A
HPH55_	A-G	26A155	24A953
	H and later	26C303	N/A
HPH5D_	A-E	26A155	24A953
	F and later	26C303	N/A
HPH5H_	A-B	26A155	24A953
	C and later	26C303	N/A

# Warnings

 <b>WARNING</b>	
  	<p><b>SKIN INJECTION HAZARD</b></p> <p>High-pressure fluid from dispense device, hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. <b>Get immediate surgical treatment.</b></p> <ul style="list-style-type: none"> <li>• Do not point dispense device at anyone or at any part of the body.</li> <li>• Do not put your hand over the end of the dispense outlet.</li> <li>• Do not stop or deflect leaks with your hand, body, glove, or rag.</li> <li>• Follow <b>Pressure Relief Procedure</b> in this manual, when you stop dispensing and before cleaning, checking, or servicing equipment.</li> </ul>

## Pressure Relief Procedure

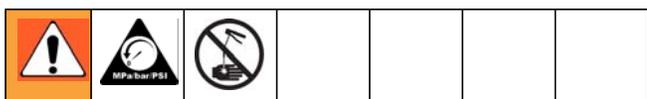


1. Close the supply pump's bleed-type master air valve (required for pneumatic systems).
2. Open the dispensing valve until pressure is fully relieved.
3. Open the fluid valve at the pump fluid outlet. Leave the drain valve open until you are ready to use the system again.

*If you suspect that the dispensing valve, extension, or grease fitting coupler is clogged, or that pressure has not been fully relieved after you have followed the steps above, **very slowly** loosen the coupler or hose end coupling to relieve the pressure gradually, then loosen it completely. Then clear the clog.*

## Instructions

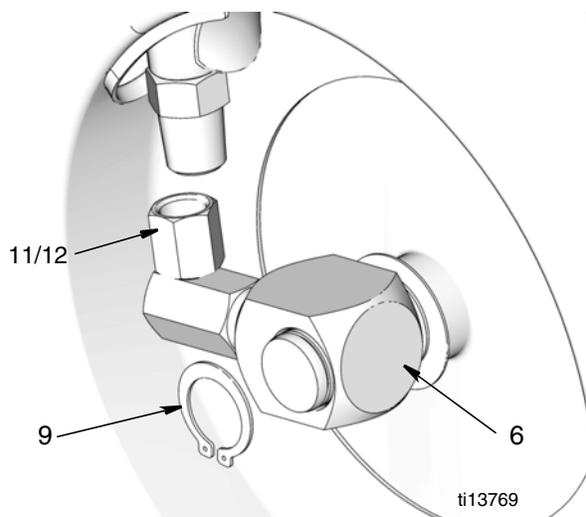
### HP Models (SD Series, single pedestal)



1. **Relieve the pressure.**
2. Decrease spring tension by removing loops of hose from the reel.

						
<ul style="list-style-type: none"> <li>• Never allow the reel to spin freely. Doing so causes the reel to spin out of control, which could cause serious injury if you are hit by a tool or the hose.</li> <li>• Reel must be bolted securely in place when making adjustments.</li> </ul>						

**Refer to FIG. 2 for steps 3 - 10 (unless otherwise indicated).**



**FIG. 2**

3. Disconnect hose from elbow (11/12).
4. Remove retaining ring (9) and elbow (6).
5. Disassemble the swivel parts as shown for your model on page 8.
6. Clean the parts and inspect them for wear or damage.

7. Grease all parts and lubricate the cavity of the swivel assembly with high-quality grease.
8. Assemble the parts in the order shown for your model on page 8 and install swivel assembly in hose reel.

**NOTE:** Install backup rings into each groove before installing sealing rings to help prevent the seals from rolling during installation.

9. Install elbow (6) and retaining ring (9) to hold assembly in place.
10. Connect hose to elbow (11/12).
11. Tighten spring tension.

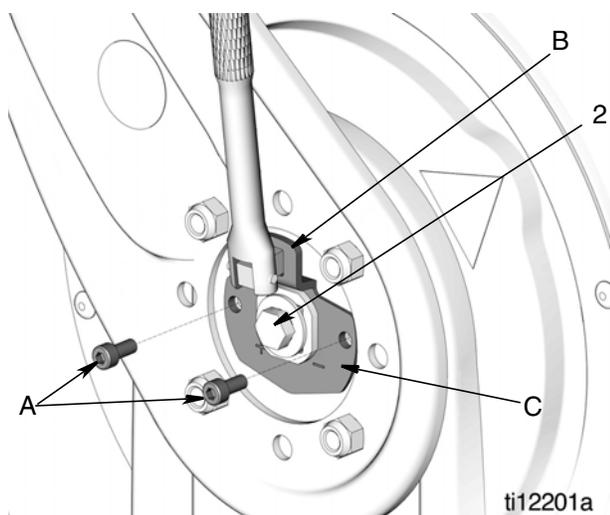
### HS Models (XD Series, dual pedestal)

1. **Relieve the pressure, page 4.**
2. Decrease spring tension.

						
<ul style="list-style-type: none"> <li>• Never allow the reel to spin freely. Doing so causes the reel to spin out of control, which could cause serious injury if you are hit by a tool or the hose.</li> <li>• Reel must be bolted securely in place when making adjustments.</li> </ul>						

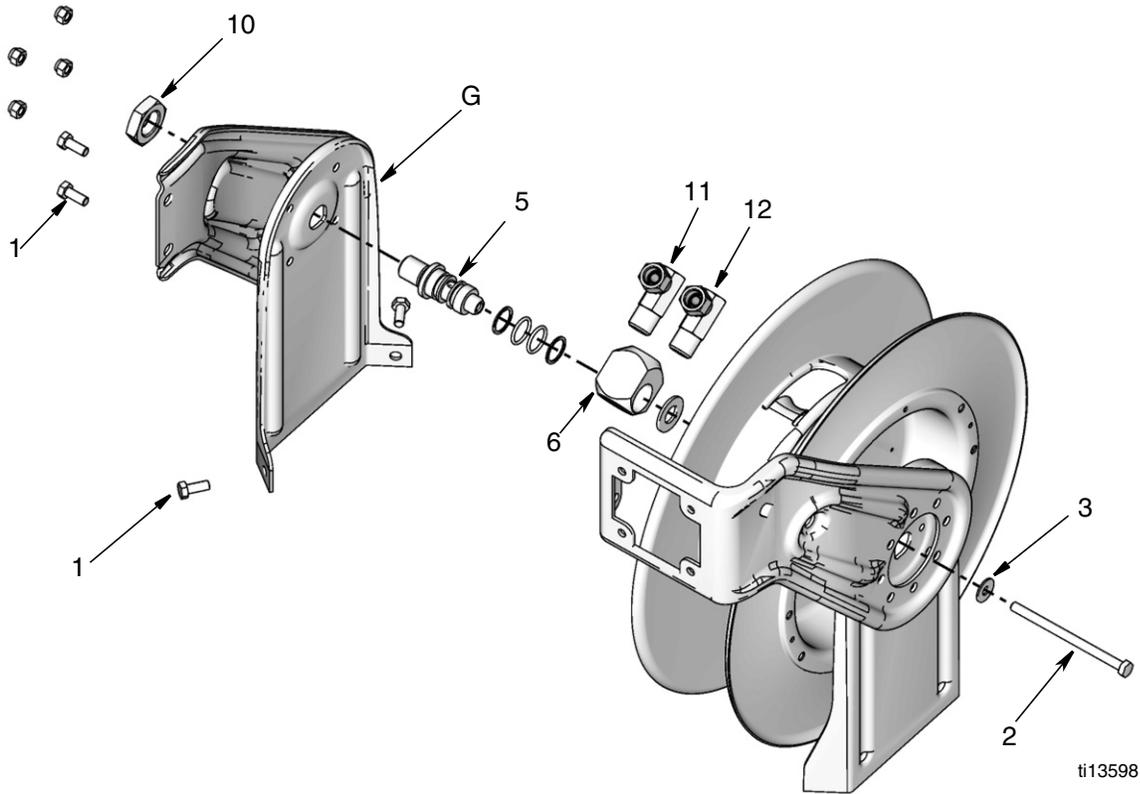
**Refer to FIG. 3, for steps a - e.**

- a. Loosen screw (2) 3-5 turns. Do not completely remove it.
- b. Use a hex wrench to loosen, the two screws (A). Do not completely remove them.
- c. Insert a 3/8" square drive breaker bar in opening (B) on the spring adjustment plate (C).
- d. While holding the breaker bar securely, completely remove the two screws (A).
- e. Firmly grasp the breaker bar with both hands and turn it counter-clockwise one turn at a time until spring tension is reduced to zero.



**FIG. 3**

Refer to FIG. 4 for steps 3 - 17 (unless otherwise indicated).



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FIG. 4

3. Remove screw (2) and washer (3).
4. Remove screws (1) and nut (10).
5. Disconnect hose (not shown) from elbow (11 / 12).
6. Lay reel down on a flat work surface.
7. Remove swivel-side pedestal (G).
8. Remove swivel assembly.

**Low and Medium Pressure Reels Only (High Pressure Reels, go to Step 13)**

9. Disassemble the parts as shown for your model on page 8.
10. Clean the parts and inspect them for wear or damage.
11. Grease all parts and lubricate the cavity of the swivel assembly with high-quality grease.
12. Assemble parts in order shown for your model on page 8.

**NOTE:** Install backup rings into each groove before

installing sealing rings to help prevent the seals from rolling during installation.

**All Reels**

13. Install swivel assembly in hose reel.

Note shape (a) of swivel assembly end shown in FIG. 5 and the correct alignment of swivel to the key hole in the pedestal. For the hose reel to operated correctly, these parts must be aligned correctly.

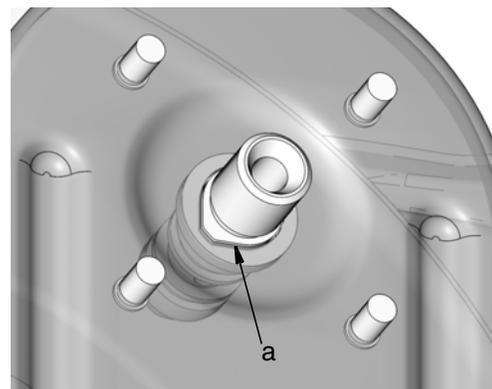


FIG. 5

14. Install swivel-side pedestal (G) on reel.
15. Replace nut (10) and screws (1).
16. Connect hose (F) to elbow (12).
17. Tighten spring tension.

**Refer to FIG. 3, page 5 for steps a - e.**

- a. Insert a 3/8" square drive breaker bar in opening (B) on the spring adjustment plate (C).
- b. Firmly grasp the breaker bar with both hands and turn it clockwise one turn at a time to increase (tighten) spring tension. This is typically 3-5 turns.
- c. Replace and partially tighten one screw (A). You can now remove the breaker bar. Pull out a section of hose and allow it to retract to test the tension adjustment.
- d. If additional tension is required, insert the breaker bar in the bracket again and remove screw (A). Then repeat steps b - c.
- e. When you are satisfied with the new setting, tighten screws (A) and (2).

# Parts

## Swivel & Swivel Seal Replacement Kits

### Low and Medium Pressure Swivel Kits for SD Reels (HP Models)

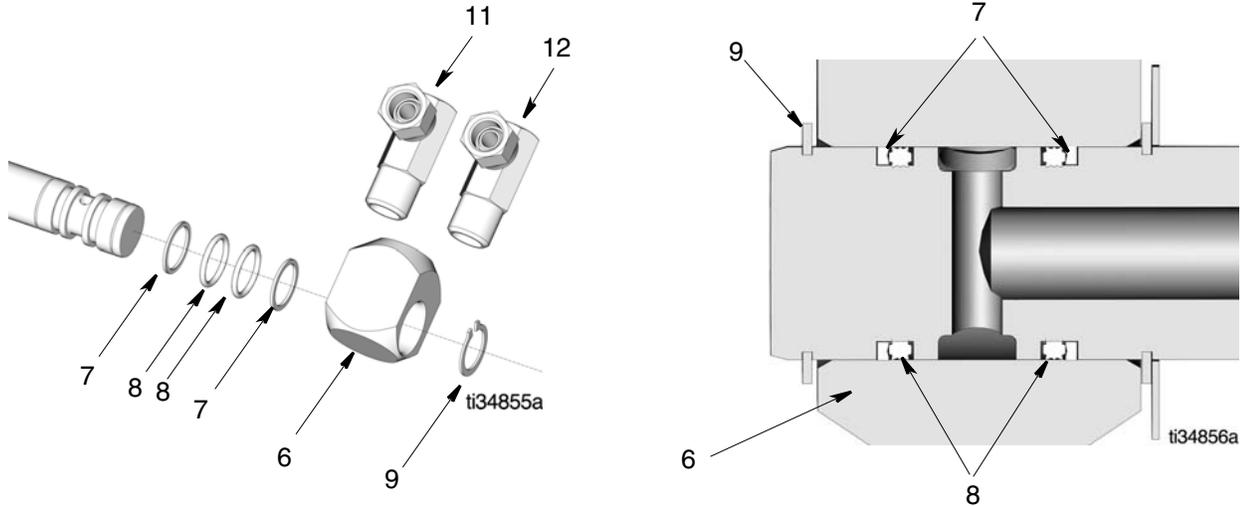


FIG. 6

#### Low & Medium Pressure Swivel Replacement Kits (SD Models):

- 26C507 - SD Swivel Kit, Low/Medium Pressure (Legacy)
- 26C508 - SD Swivel Kit, Low/Medium Pressure
- 26C510 - SD Swivel Kit, BSP, Low/Medium Pressure (Legacy)
- 26C511 - SD Swivel Kit, BSP, Low Medium Pressure

Ref.	Description	QTY
6	ELBOW, swivel, 1/2"	1
7†	RING, backup	2
8†	RING, sealing	2
9	RING, retaining	1
11	ELBOW, male x female, 1/2" x 3/8"	1
12	ELBOW, male x female, 1/2" x 1/2"	1

† Be sure seals (7) and (8) are assembled in correct order. Refer to FIG. 6 to verify order.

#### Low and Medium Pressure Swivel Seal Kit (SD Models): 26C501

Ref.	Description	Qty
1*	SCREW, M8 x 1.25 x 20	4
2*	SCREW, M8 x 1.25 x 120	1
3*	WASHER, flat, 5/16"	1
4*	WASHER, 5/8"	1
7†	RING, backup	2
8†	RING, sealing	2
9	RING, retaining	1
13*	NUT, M8 x 1.25	4

† Be sure seals (7) and (8) are assembled in correct order. Refer to drawing to verify order.

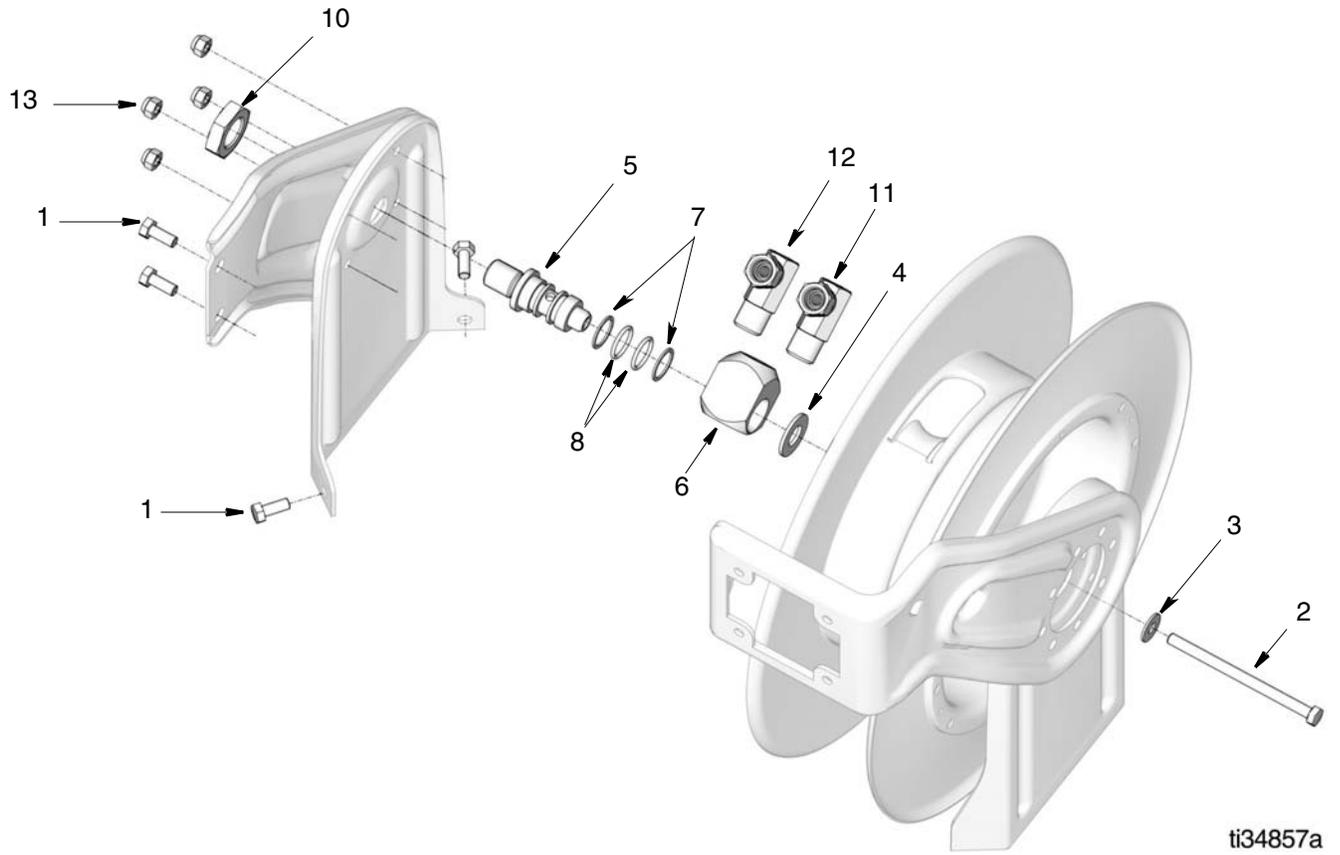
\* Parts included in seal kit but not used on SD (HP model) reels.

#### NOTE:

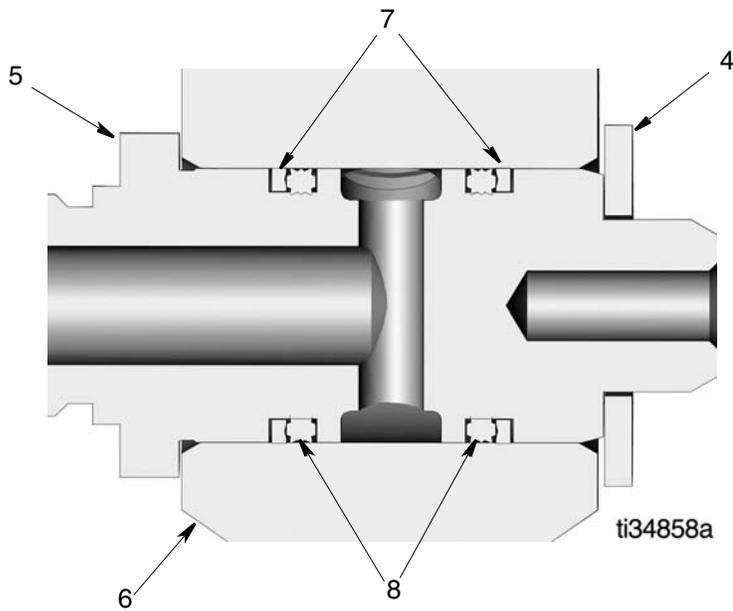
- Low and Medium Pressure Swivel Kits include **all** parts necessary to replace the swivel assembly, including the seals which are also provided in Swivel Seal Kit 26C501.
- If only the swivel seals require replacement, use Swivel Seal Kit 26C501.

# Swivel & Swivel Seal Replacement Kits

## Low and Medium Pressure Swivel Kits for XD Reels (HS/HN Models)



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FIG. 7

### Low & Medium Pressure Swivel Replacement Kits (XD Models):

- 26C509 - XD Swivel Kit, Low/Medium Pressure
- 26C512 - XD Swivel Kit, BSP, Low/Medium Pressure

Ref.	Description	QTY
1	SCREW, M8 x 1.25 x 20	4
2	SCREW, M8 x 1.25 x 120	1
3	WASHER, flat, 5/16"	1
4	WASHER, 5/8"	1
5	SHAFT, swivel	1
6	ELBOW, swivel, 1/2"	1
7†	RING, backup	2
8†	RING, sealing	2
10	NUT, 1/2" NPSM	1
11	ELBOW, male x female, 1/2" x 3/8"	1
12	ELBOW, male x female, 1/2" x 1/2"	1
13	NUT, M8 x 1.25	4

† Be sure seals (7) and (8) are assembled in correct order. Refer to FIG. 7 to verify order.

### Low and Medium Pressure Swivel Seal Kit (XD Models): 26C501

Ref.	Description	Qty
1	SCREW, M8 x 1.25 x 20	4
2	SCREW, M8 x 1.25 x 120	1
3	WASHER, flat, 5/16"	1
4	WASHER, 5/8"	1
7†	RING, backup	2
8†	RING, sealing	2
9*	RING, retaining	1
13	NUT, M8 x 1.25	4

† Be sure seals (7) and (8) are assembled in correct order. Refer to drawing to verify order.

\* Parts included in seal kit but not used on XD (HS/HN model) reels.

#### NOTE:

- Low and Medium Pressure Swivel Kits include **all** parts necessary to replace the swivel assembly, including the seals which are also provided in Swivel Seal Kit 26C501.
- If only the swivel seals require replacement, use Swivel Seal Kit 26C501.

# Swivel & Swivel Seal Replacement Kits

## High Pressure Swivel Kits for SD Reels (HP Models)

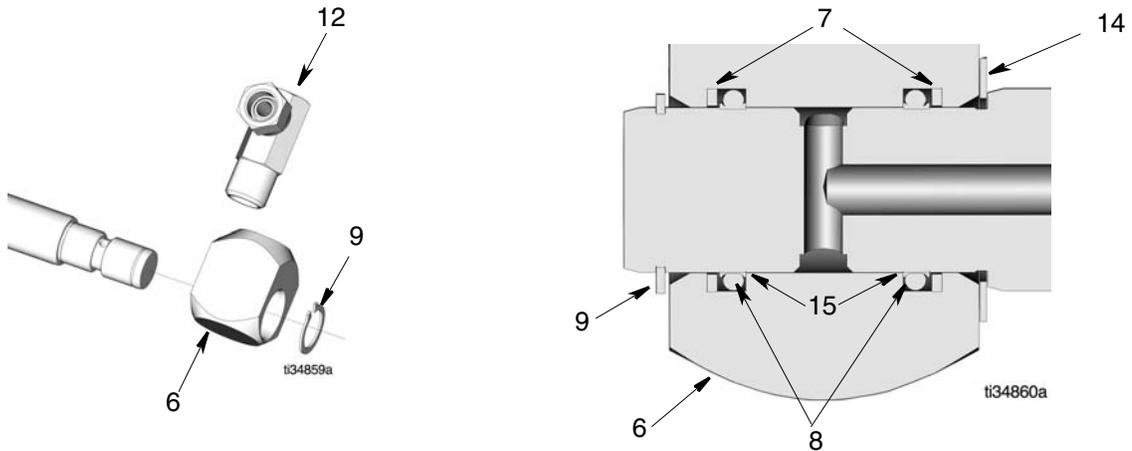


FIG. 8

### High Pressure Swivel Replacement Kits (SD Models):

- 26C303 - SD Swivel Kit, NPSM, High Pressure
- 26C304 - SD Swivel Kit, BSPP, High Pressure

Ref.	Description	QTY
6**	ELBOW, swivel, 3/8"	1
7**	RING, backup	2
8**	RING, sealing	2
9	RING, retaining	1
12**	ELBOW, male x female, 3/8" x 3/8"	1
14	WASHER	1
15**	SEAL, slipper	2

\*\* Components are shipped pre-assembled.

### High Pressure Swivel Replacement Kit (SD Models, old series)

- 26A155 - SD Swivel Kit, NPSM, High Pressure
- 26A156 - SD Swivel Kit, BSPP, High Pressure

Ref.	Description	Qty
6	ELBOW, swivel, 3/8"	1
7†	RING, backup	2
8†	RING, sealing	2
9	RING, retaining	1
12	ELBOW, male x female, 3/8" x 3/8"	1
14	WASHER	1

† Be sure seals (7) and (8) are assembled in correct order. Refer to drawing to verify order.

### High Pressure Swivel Seal Kit (SD Models, old series): 24A953

Ref.	Description	Qty
7†	RING, backup	2
8†	RING, sealing	2
9	RING, retaining	1
14	WASHER	1

† Be sure seals (7) and (8) are assembled in correct order. Refer to drawing to verify order.

# Swivel & Swivel Seal Replacement Kits

## High Pressure Swivel Kits for XD Reels (HS/HN Models)

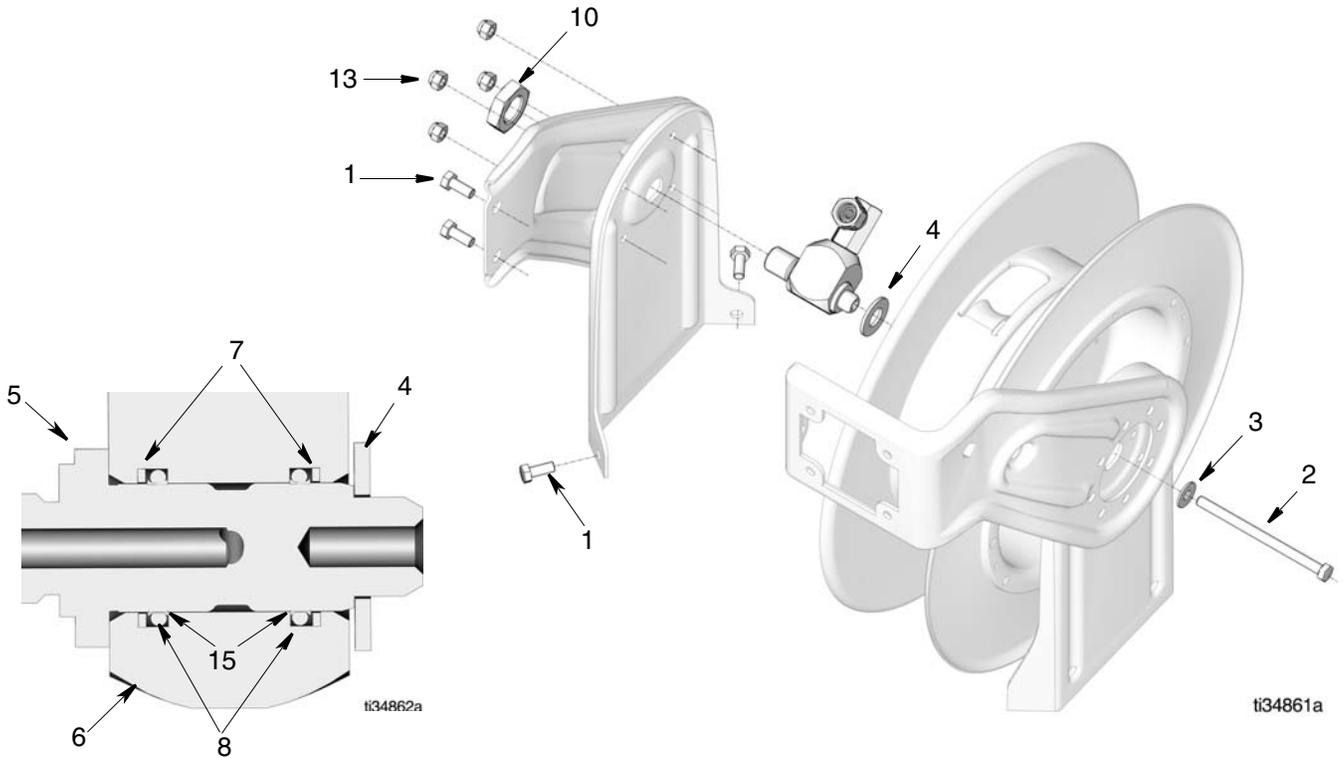


FIG. 9

### High Pressure Swivel Replacement Kits (XD Models):

- 26A153 - XD Swivel Repair Kit, NPSM, High Pressure
- 26A154 - XD Swivel Repair Kit, BSPP, High Pressure

Ref.	Description	QTY
1	SCREW, M8 x 1.25 x 20	4
2	SCREW, M8 x 1.25 x 120	1
3	WASHER, flat, 5/16"	1
4	WASHER, 5/8"	1
5**	SHAFT, swivel	1
6**	ELBOW, swivel, 3/8"	1
7**	RING, backup	2
8**	RING, sealing	2
10	NUT, 1/2" NPSM	1
12**	ELBOW, male x female, 3/8" x 3/8"	1
13	NUT, M8 x 1.25	4
15**	SEAL, slipper	2

\*\* Components are shipped pre-assembled.



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