

TSB 2013.07.006

Power Rewind Conversion Kit Installation Instructions

Affected Reels: Various
Time Required: Varies (45 – 120 min based
on Reel Configuration)

Date Issued: July-2013

Description:

This TSB is FOR CONVERTING MANUAL REWIND REELS TO POWER REWIND

STEP 1: INSTALL THE DISC SPROCKET

- For Reels w/ 17-18 Disc** OR
 - 19-20, 23-24 & 25-26 Disc (15.5" drum dia.) OR
 - 28-29 & 30-31 Disc (10.5" drum dia.)
1. Remove the spool from the frame by removing the bearing mounting hardware.
 2. Mount the plate sprocket to the disc by first inserting a 3/8" x 1" bolt thru the disc from the drum side. Install a sprocket spacer over the bolt, place the sprocket over the spacers and hand-tighten a 3/8" nut onto the bolt. Repeat for all 6 holes.
 3. Reinstall the spool onto the frame using the hardware from step 1. Align spool with frame, checking for concentricity when the reel is spun.
 4. Check the alignment of the sprocket by first clamping a guide to the frame. Check concentricity and runout of the sprocket. When properly aligned, tighten the (6) bolts and nuts installed in step 2.
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- For Reels w/ 19-20, 23-24 & 25-26 Disc (10.5" drum) OR
 - 28-29 & 30-31 Disc (15.5" drum dia.)
1. Remove the spool from the frame by removing the bearing mounting hardware.
 2. Remove one of the nuts from the face of the front disc. Carefully drive the carriage bolt out and replace it with the new carriage bolt provided. Replace nut and hand tighten. Repeat for all (6) bolts (on 15.5" dia. drums only replace every other carriage bolt for a total of 6). Replacing only one bolt at a time will prevent the pipe spacers from shifting inside the drum.
 3. Remove the nuts from the new carriage bolts installed in step #2. Install sprocket spacers over the bolts, place the sprocket over the spacers and install a 3/8"-16 jam nut on the bolt. Hand tighten all (6) nuts. Trim and grind bolt ends off.
 4. Reinstall the spool onto the frame using the hardware from step 1. Align spool with frame, checking for concentricity.
 5. Check the alignment of the sprocket by first clamping a guide to the frame. Check concentricity and runout of the sprocket. When properly aligned, tighten the (6) bolts and nuts installed in steps 2 & 3.

STEP 2: INSTALL THE MOTOR AND CHAIN

- For Reels with a 17-18 Disc
1. Install chain on large plate sprocket. Connect chain ends with connecting link.
 2. Install small sprocket on motor (do not tighten set screw).
 3. Install motor onto motor plate with four 5/16" x 5/8" spinlock bolts (provided).
 4. Install motor and plate onto frame by inserting two 1/2" x 1" bolts down thru plate and frame and installing two 1/2" nuts from bottom side.
 5. Align sprockets, adjust chain tension and tighten all hardware including sprocket set screw.
- For Reels with a 19-20 Disc or Larger
1. Install chain on large plate sprocket. Connect chain ends with connecting link.
 2. Install small sprocket on motor (do not tighten set screw).
 3. For air, hydraulic, and non-EP electric motors, install the motor to the flat motor mounting plate with the provided hardware. For explosion-proof electric motors, this step does not apply.
 4. Install the motor to the frame of the reel with four 3/8" x 1" spinlock bolts and four 3/8" spinlock nuts, making sure the sprocket engages the chain. (Standard location of the motor is towards the rear of the reel).
 5. Align sprockets, adjust chain tension (maximum 1/8" deflection recommended) and tighten all hardware including sprocket set screw.

Notes:

- Conversion Kit may contain threaded spacer pipe and bolts to replace the carriage bolts and spacers, please consult Hannay Reels to determine what parts are right for your application.
 - Do not install sprockets on motors with a steel hammer or any tool that could damage the motor shaft (soft rubber mallet is OK).
 - Before powering the reel, turn over by hand to make sure the reel is properly aligned and runs smoothly.
 - Before reinstalling hose, check motor rotation (see electrical installation guide—Hannay Form H-8823). Follow all safety precautions regarding motor grounding and circuit protection.
- ** For Models ending w/ "17-18": Before installing disc sprocket, motor-side disc may have to be flipped over so rolled edge points inward. Chain guard may not install properly if this step is skipped.

See reverse side of this document for conversion kit contents.

Power Rewind Conversion Kit Installation Instruction

Components (quantities, descriptions, and Hannay part numbers) that make up our most common power conversion kits are shown below. The contents of the kit may be slightly different than what is listed, depending on the model number of the reel. **Always give the complete model number and serial number of the reel you wish to convert.** For electric motor conversions, be sure to specify the desired voltage (12V, 24V, or 115V).

E-DC-T Kit (9920.0100) 12V DC Kit (Trapezoidal Frame)

- (1) AN-227 12V DC Motor (9915.0042)
- (1) 112T Disc Sprocket (9910.1321)
- (6) 1" OD x 3/8" ID x 1/2" Thick Sprocket Spacer (9954.0015)
- (6) 3/8"-16 Spinlock Nut (9904.6200)
- (6) 3/8"-16 x 1" Button Head Bolt (9904.9202)
- (1) 11T35 Mtr. Sprocket, 1-3/4" long, w/set screws (9910.1119)
- (1) #35 Chain, 116 Links (w/connecting link) (9912.0028)
- (1) Non-EP 12V Elec. Kit- Solenoid & Switch (9917.0050)
- (1) 1500-series Motor Plate w/ (4) 5/16" x 5/8" Mtg. Bolts (9923.0006)
- (2) 1/2"-13 Spinlock Nut (9954.0036)
- (2) 1/2"-13 x 1" Hex Head Bolt (9904.1402)
- (1) Plastic Molded Chain Guard (Specify L or R)
- (2) 1/4"-20 x 1/2" Self-Tap Screw (9904.1070)
- (2) 1/4"-20 x 3/4" Hex Washer Head Bolt (9904.1071)
- (2) 1/4"-20 Spinlock Nut (9904.6000)
- (1) Pipe Cap, 1/2" or 1" (Specify Model)

E-AC-T Kit (9920.0110) 115V AC Kit (Trapezoidal Frame)

Same as E-DC-T Kit, except that a solenoid and switch are NOT included, and the 12-volt motor is replaced with a 115V AC motor (AN-334, p/n 9915.0272).

AIR-T Kit (9920.0120) Air Motor Kit (Trapezoidal Frame)

- (1) #4 Gast Air Motor (9918.1122)
- (1) Air Valve for #4 Gast Motor (9919.0004)
- (1) Speed Control Muffler (9919.0006)
- (1) 1/4" x 1/4" Air Hose, 18" Long (9919.0007)
- (1) 1/4" MxF Street Elbow (for Motor) (9950.0013)
- (1) 112T Disc Sprocket (9910.1321)
- (6) 1" OD x 3/8" ID x 1/2" Thick Sprocket Spacer (9954.0015)
- (6) 3/8"-16 Spinlock Nut (9904.6200)
- (6) 3/8"-16 x 1" Button Head Bolt (9904.9202)
- (1) 9T35 Mtr. Sprocket, 1-3/8" long, w/set screws (9910.1014)
- (1) #35 Chain, 116 Links (w/connecting link) (9912.0028)
- (1) P66A-00130 Air Motor Plate w/ (3) 1/4" x 1/2" Mtg. Bolts (9923.0013)
- (2) 1/2"-13 Spinlock Nut (9954.0036)
- (2) 1/2"-13 x 1" Hex Head Bolt (9904.1402)
- (1) Plastic Molded Chain Guard (Specify L or R)
- (2) 1/4"-20 x 1/2" Self-Tap Screw (9904.1070)
- (2) 1/4"-20 x 3/4" Hex Washer Head Bolt (9904.1071)
- (2) 1/4"-20 Spinlock Nut (9904.6000)
- (1) Pipe Cap, 1/2" or 1" (Specify Model)

E-DC Kit (9920.1100) 12V DC 1/3 HP Kit (Pressed Frame)

- (1) AN-227 12V DC Motor (9915.0042)
- (1) 138T or 180T Disc Sprocket (Specify Reel Model)
- (6) 1" OD x 3/8" ID x 5/16" Thick Sprocket Spacer (9954.0017)
- (10) 3/8"-16 Spinlock Nut (9904.6200)
- (6) 3/8"-16 x 1" Button Head Bolt (9904.9202)
- (Varies) 3/8"-16 Carriage Bolt (As Required)
- (1) 11T35 Mtr. Sprocket, 1-3/4" long, w/set screws (9910.1119)
- (1) #35 Chain (w/connecting link) (Specify Reel Model)
- (1) Non-EP 12V Elec. Kit- Solenoid & Switch (9917.0050)
- (4) 5/16"-18 x 5/8" Hex Socket Flat Head Bolt (9958.0027)
- (1) Non-EP Motor Plate w/ (4) Mtg. Bolt (9923.0008)
- (4) 3/8"-16 x 1" Spinlock Bolt (9904.2202)

EP-DC Kit (9920.1110) 12V DC 1/2 HP Kit (Pressed Frame)

Same as E-DC Kit, except that the 12-volt motor is upgraded to the 1/2 HP SX-001 (p/n 9915.0003). Also, there is no non-EP motor plate required, and the motor sprocket is slightly shorter (11T35, 1-5/16" long, p/n 9910.1118).

EPJ-DC Kit (9920.1120) 12V DC 1/2 HP Kit- Expl Proof (Pressed Frame)

Same as EP-DC Kit, except the non-EP switch is upgraded to the explosion-proof EXPB-2A switch (p/n 9917.0001). Also, a junction box w/wire nut and bug connector (p/n 9917.0060) is included.

E-AC Kit (9920.1500) 115V AC 1/3 HP Kit (Pressed Frame)

Same as E-DC Kit, except that a solenoid and switch are NOT included, and the 12-volt motor is replaced with a 115V AC motor (AN-334, p/n 9915.0272).

EP-AC Kit (9920.1510) 115V AC 1/2 HP Kit (Pressed Frame)

Same as E-AC Kit, except that the 115V motor is upgraded to the 1/2 HP SX-105 (p/n 9915.0233). Additionally, a junction box (p/n 9917.0061) is provided. Also, there is no non-EP motor plate required, and the motor sprocket is slightly shorter (11T35, 1-5/16" long, p/n 9910.1118).

EPJ-AC Kit (9920.1520) 115V AC 1/2 HP Kit- Expl Proof (Pressed Frame)

Same as EP-AC Kit, except an explosion-proof 115V switch (EXPBC-2B, p/n 9917.0002) is included.

AIR-4 Kit (9920.1800) Air Motor Kit (Pressed Frame)

- (1) #4 Gast Air Motor (9918.1122)
- (1) Air Valve for #4 Gast Motor (9919.0004)
- (1) Speed Control Muffler (9919.0006)
- (1) 1/4" x 1/4" Air Hose, 18" Long (9919.0007)
- (1) 1/4" MxF Street Elbow (for Motor) (9950.0013)
- (1) 138T or 180T Disc Sprocket (Specify Reel Model)
- (6) 1" OD x 3/8" ID x 5/16" Thick Sprocket Spacer (9954.0017)
- (10) 3/8"-16 Spinlock Nut (9904.6200)
- (6) 3/8"-16 x 1" Button Head Bolt (9904.9202)
- (Varies) 3/8"-16 Carriage Bolt (As Required)
- (1) 9T35 Mtr. Sprocket, 1-3/4" long, w/set screws (9910.1015)
- (1) #35 Chain, (w/connecting link) (Specify Reel Model)
- (1) P66A-00140 Motor Plate w/ (3) 1/4" x 1/2" Mtg. Bolts (9923.0009)
- (4) 3/8"-16 x 1" Spinlock Bolt (9904.2202)

HYD Kit (9920.1900) Hydraulic Motor Kit (Pressed Frame)

- (1) 2/3 cu. in. Parker Hydraulic Motor (9918.2600)
- (1) 138T or 180T Disc Sprocket (Specify Reel Model)
- (6) 1" OD x 3/8" ID x 5/16" Thick Sprocket Spacer (9954.0017)
- (10) 3/8"-16 Spinlock Nut (9904.6200)
- (6) 3/8"-16 x 1" Button Head Bolt (9904.9202)
- (Varies) 3/8"-16 Carriage Bolt (As Required)
- (1) 11T35 Mtr. Sprocket, 1-3/4" long, w/set screws (9910.1119)
- (1) #35 Chain, (w/connecting link) (Specify Reel Model)
- (1) P66A-00140 Motor Plate w/ (4) 5/16" x 1" Bolts, (4) 5/16" Nuts (9923.0009)
- (4) 3/8"-16 x 1" Spinlock Bolt (9904.2202)