

NOTE: Refer to the owner's manual provided with the operator for all mounting and wiring instructions.

REMOVE ELECTRICAL BOX

Disconnect power to operator. Remove the master link from the limit chain, remove the chain and set it aside. Open the electrical box cover. Disconnect the motor wires that pass into the electrical box. Loosen the two screws of the conduit retaining clamp so that the length of conduit is freed.

Remove the four flanged hex screws securing the electrical box to the gear reducer housing. Carefully remove the electrical box and set it aside (the motor wires should slide easily from the conduit). Remove the gear reducer housing cover (Figure 3).

REMOVE OLD HAND CHAIN SHAFT ASSEMBLY

Remove the e-ring and the two washers from the empty end of the hand chain shaft. Remove the e-ring from the opposite side of the gear reducer housing and the e-ring securing the 3/4" bevel gear as well. Remove the roll pin pinning the bevel gear to the shaft (Figure 1).

Slide the hand chain shaft out of the gear reducer housing. The bevel gear will slide from the end of the shaft as it is removed. Remove the two flanged bearings from the gear reducer housing.

Remove the e-ring, washer, and spring from the end of the gear reducer shaft. Remove the roll pin from the 5/8" bevel gear and slide the gear from the end of the shaft.

REMOVE OLD DISCONNECT ASSEMBLY

Remove the screws and nuts securing the actuator bracket to the gear reducer housing. Remove the bracket and switch actuator and set them aside. Disconnect the compression spring from the end of the brake release (Figure 2).

Remove the screws and lock washers from the disconnect shaft. Remove the bevel gear yoke and the brake release and set them aside. Remove the 3" roll pin from the disconnect shaft. Remove the cotter pin and washers from the empty end of the disconnect shaft. Remove the tension spring from the housing support bracket. Slide the disconnect shaft out of the housing.

GEAR REDUCER HOUSING

FOR MODEL GH OPERATORS
 K75-12829 (115 VOLT)
 K75-12834 (230-460 VOLT)

⚠️ WARNING

To prevent possible SERIOUS INJURY or DEATH, disconnect electric power to operator BEFORE installing. ALL electrical connections MUST be made by a qualified individual.

FIGURE 1

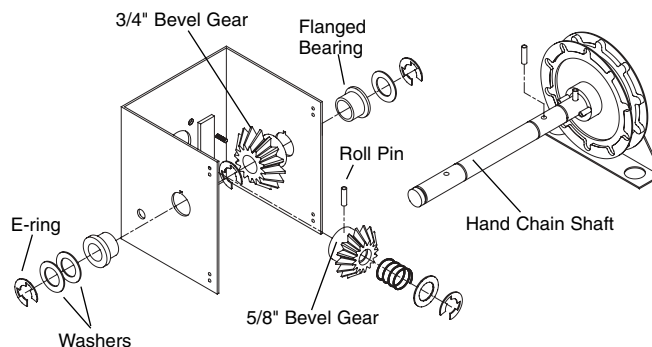
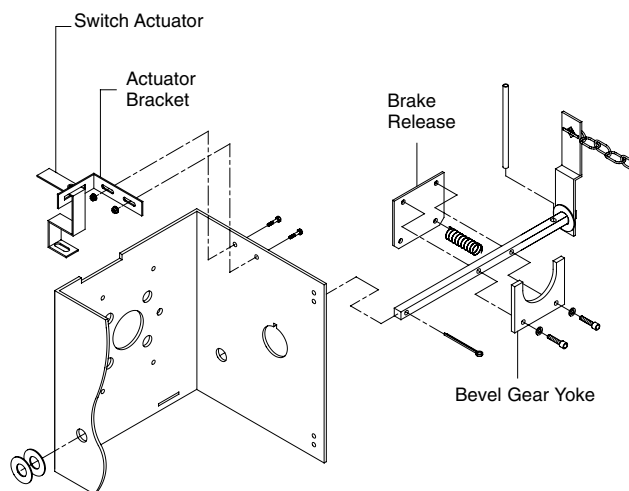


FIGURE 2



REMOVE OLD BRAKE ASSEMBLY

Remove the four brake studs along with their springs and spring cups. Remove the brake pressure plate, the brake release lever and the release lever spacers (Figure 6).

Remove the push on fastener from the end of the gear reducer shaft. Remove the brake disk, brake hub, and key. Remove the screws securing the solenoid brake assembly to the housing support bracket. Remove the brake solenoid assembly from the housing.

REMOVE OLD GEAR REDUCER HOUSING

Remove the serrated flange screws (8) and the housing support brackets from the gear reducer housing. Remove the flat head Phillips screws (4) and the old gear reducer housing (Figure 3).

ATTACH NEW HOUSING

Install the gear reducer housing by following the steps outlined above in reverse order, referring to Figure 3 and the owner's manual as necessary.

INSTALL NEW BRAKE ASSEMBLY

Install the new brake solenoid assembly (Figures 4 and 5). Place the new brake hub and its key on the gear reducer shaft. Secure the hub in position with the set screw. Fit the new brake disk over the hub. Press the push on fastener over the end of the end of the shaft.

Put the brake release lever and spacers in place. Position the new brake pressure plate, the spring cups, and springs in place, securing them with the studs. Do not overtighten the studs.

FIGURE 3

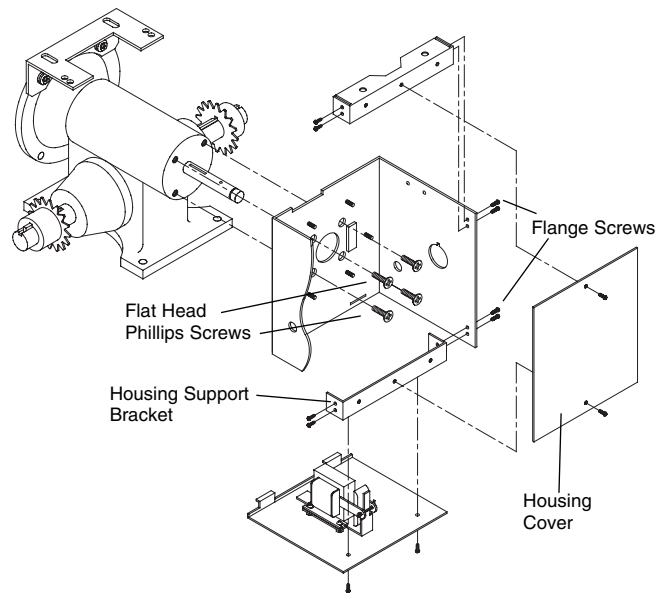


FIGURE 4

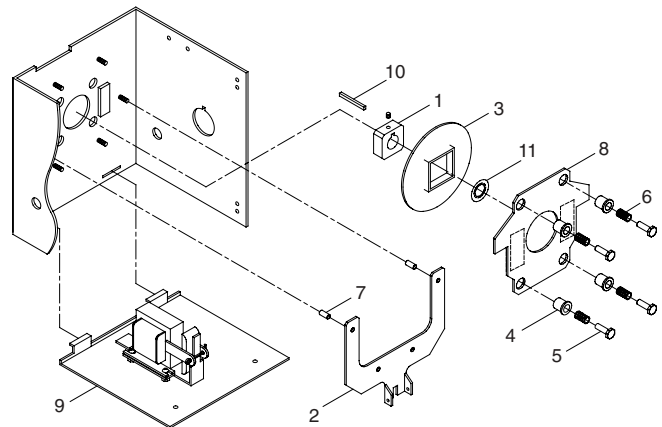
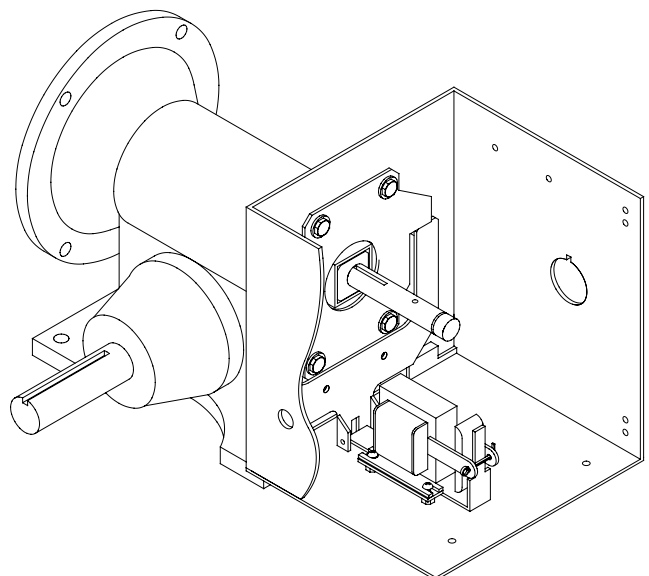


FIGURE 5



BRAKE KIT ASSEMBLY • FIGURE 4

ITEM	DESCRIPTION	QTY
1	Brake Hub	1
2	Brake Release Lever	1
3	Brake Disk	1
4	Spring Cup for Brake Assembly	4
5	Brake Stud	4
6	Spring, Compression x .87"	4
7	Spacer, .20" x .31" Long	2
8	Brake Pressure Plate Assembly	1
9	Brake Solenoid Assembly (115V)	1
	Brake Solenoid Assembly (230V)	1
	Brake Solenoid Assembly (575V)	1
10	Feather Key	1
11	Push on Fastener, 5/8" Int. Star	1

INSTALL NEW DISCONNECT ASSEMBLY

Attach a cotter pin to the release lever end of the new disconnect shaft. Slide the new disconnect lever and a washer onto the shaft. Slide the new disconnect shaft into the gear reducer housing, add the two washers, and secure the shaft in place with a cotter pin (Figures 6 and 7).

Attach the bevel gear yoke and brake release to the disconnect shaft with the screws and lock washers provided. Insert the 3" roll pin into the disconnect shaft. Attach the compression spring between the brake release and housing support bracket. Add the actuator bracket and switch actuator to the side of the gear reducer housing.

DISCONNECT KIT ASSEMBLY • FIGURE 6

ITEM	DESCRIPTION	QTY
1	GH Disconnect Lever	1
2	Bevel Gear Yoke	1
3	Brake Release	1
4	Actuator Bracket	1
5	Switch Actuator	1
6	Disconnect Shaft	1
7	Tension Spring	1
8	Sash Chain - 12'	1
9	Self Tap Screw, #8-32 x 1/4"	1
10	Screw, #10-32 x 7/8"	2
11	Serrated Flange Screw, #10-32 x 1/2"	2
12	Serrated Flange Nut, #10-32	2
13	Flat Washer, 3/4"	3
14	Lock Washer ZP #10	2
15	Cotter Pin, 1/8" x 1-3/4"	3
16	Roll Pin, 3/16" x 3" Black Oxide	1

FIGURE 6

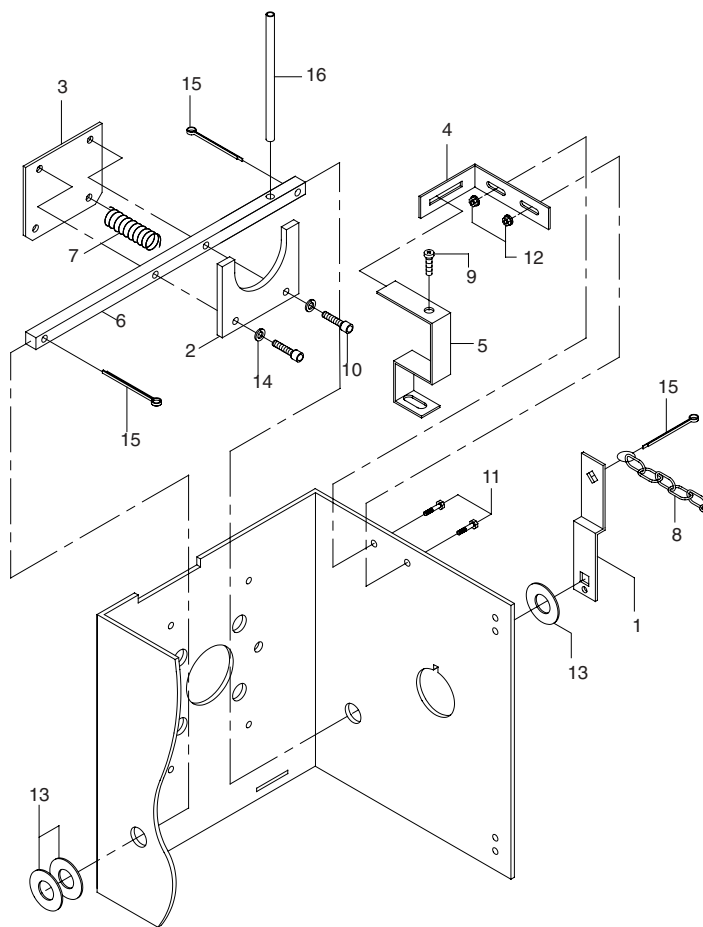
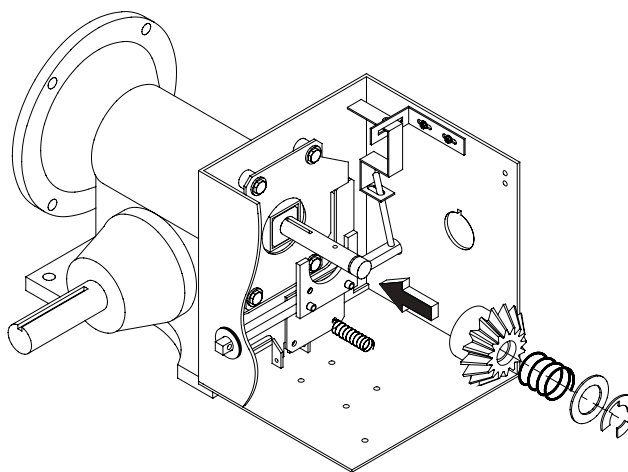


FIGURE 7



INSTALL NEW HAND CHAIN SHAFT ASSEMBLY

Assemble the chain wheel side of the hand chain shaft (Figure 8). Slide the 5/8" bevel gear onto the gear reducer shaft and secure in place with the appropriate roll pin. Add the spring, washer, and e-ring to the end of the shaft.

Slide the new hand chain shaft into the housing, adding the 3/4" bevel gear. Pin the bevel gear in place with a roll pin and an e-ring. Add the remaining hardware and fasteners to the ends of the shaft.

HAND CHAIN SHAFT ASSEMBLY • FIGURE 8

ITEM	DESCRIPTION	QTY
1	Bevel Gear, 5/8" I.D.	1
2	Bevel Gear, 3/4" I.D.	1
3	Hand Chain Guide	1
4	Hand Chain Shaft, GH	1
5	Bearing, 3/4" I.D.	2
6	Nyliner Bearing	1
7	Compression Spring, GH	1
8	Chain Wheel Assembly	1
9	Shim Washer, Thick	4
10	Washer, .656 I.D. x 1.25 O.D.	1
11	Roll Pin, 1/4" x 1-1/2" Long	1
12	Roll Pin, 5/16" x 1-5/8" Long	1
13	Roll Pin, 5/16" x 2-1/2" Long	1
14	E-ring, 5/8"	1
15	E-ring, 3/4"	4

FIGURE 8

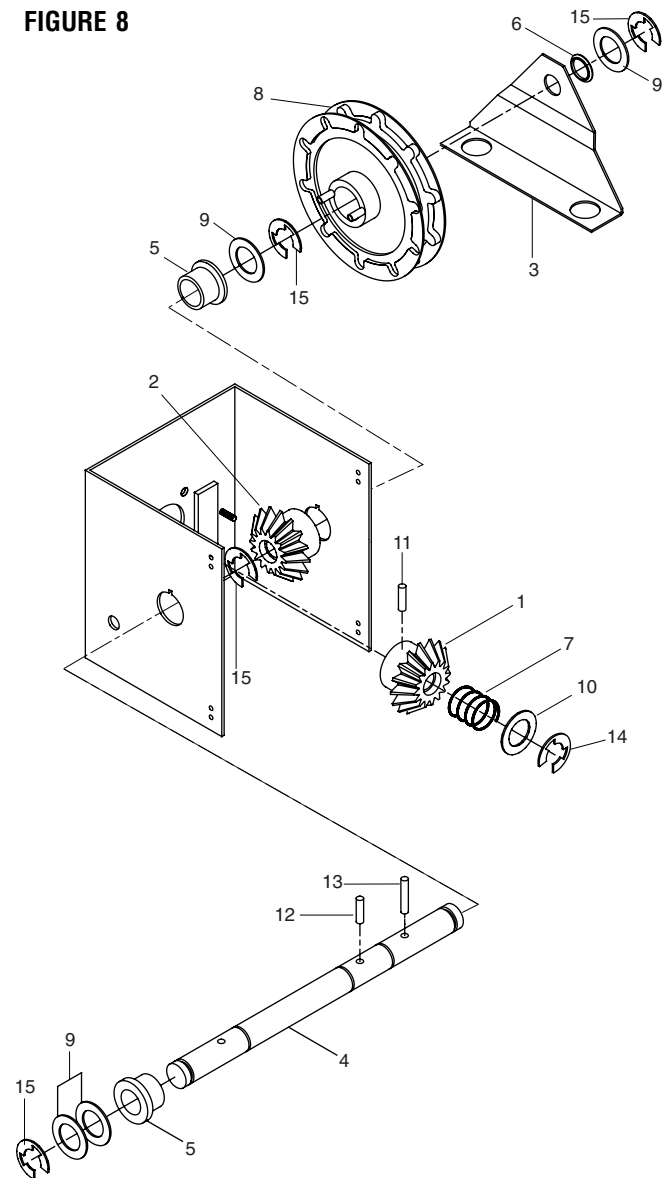
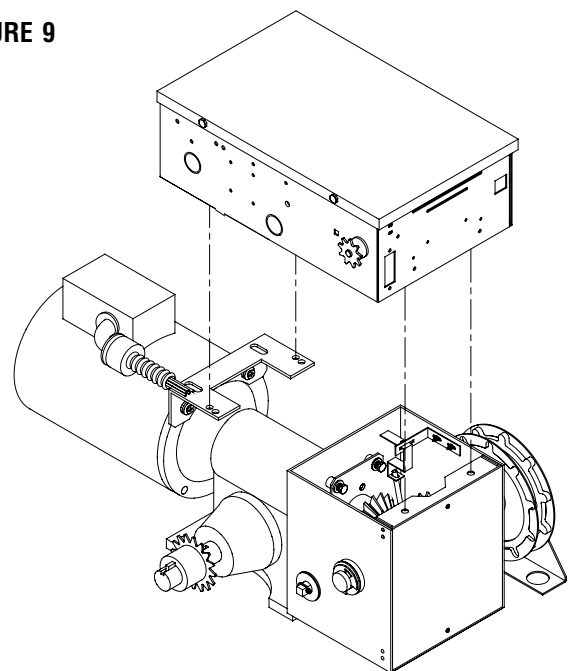


FIGURE 9



REPLACE ELECTRICAL BOX

Place the electrical box on the gear reducer housing, aligning the slots in the bottom of the box with the corresponding holes in the housing's mounting brackets (Figure 9). Attach the new electrical box using the screws provided. Do not tighten screws at this time.

Replace the limit chain and secure with master link. Slide the new electrical box in its slots until most of the slack in the limit chain is picked up, being careful not to over tighten chain. Secure the new electrical box to the gear reducer housing by tightening the hex screws.

Reconnect the motor wires (as shown in the diagram inside electrical box cover or refer to owner's manual) and replace the electrical box cover. Restore power to operator.