

## PARTS REMOVAL AND REPLACEMENT

### COVERS



#### WARNING

TO REDUCE THE RISK OF INJURY, DO NOT OPERATE THE MACHINE WHILE THE SIDE COVERS ARE REMOVED. DO NOT ROTATE THE STAIRS WHILE ANYONE'S HANDS ARE INSIDE THE MACHINE.

There are five covers on the machine: two side covers, a back cover, a bottom cover, and a top cover. The side covers overlap the top cover. The side covers must be removed before the top cover. The side covers must also be removed before the bottom cover can be removed.

All covers are held in place with reusable plastic fasteners (refer to Figure 12 for their location). To remove the fasteners, slide either end of the fastener removal tool under the edge of the pin head (refer to Figure 13). The pin should not be removed. Pull the cover away from the frame. Do NOT use the fastener removal tool or any other sharp tool to pry out the fastener base because you may damage the covers.

To reinstall the fastener, insert the base of the fastener through the cover and into the frame. When the base is in place, push the pin in all the way to secure the fastener.

#### Side Covers

1. Remove the 14 fasteners on each side cover.
2. Pull the cover away from the frame.

#### Top Cover

1. Remove both side covers.
2. Lift the top cover away from the frame.
3. Set the top cover in place. Secure the side covers to complete reinstallation.

#### Back Cover

1. Remove the 10 fasteners and lift the back cover away from the frame.



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2. Align the holes in the frame and the back cover. Secure the back cover with the 10 fasteners.

### Bottom Cover

1. Remove both side covers to gain access to the bottom cover fasteners.
2. Disconnect the DC power cable.
3. Remove the six fasteners and lift the bottom cover away from the frame.
4. Reinstall the bottom cover, then the two side covers. Remember to connect the DC power cable.

### CONSOLE

1. Locate the mounting knobs on the back of the console (refer to Figure 10).
2. Loosen and remove the four mounting knobs.
3. Unscrew the console cable from the back of the console.
4. To reinstall the console, connect the console cable to the back of the console.
5. Align the four console holes with the four holes on the console mount.
6. Insert and tighten a mounting knob into each hole.
7. There is no need to overtighten the knobs.

### POLY-V BELT



#### WARNING

THE POLY-V BELT MUST BE ADJUSTED SO THAT THE CENTER OF EITHER SIDE CAN BE DEFLECTED 1/10" (0.3 CM) FROM ITS CENTER LINE WITH FINGERTIP PRESSURE. A TIGHT BELT WILL CAUSE SLOW AND SLUGGISH OPERATION; A LOOSE BELT WILL CAUSE EXCESSIVE NOISE AND BELT WEAR.

1. Remove the left side cover.
2. Loosen the adjustment bolt that mounts the alternator to the slotted alternator brace.



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3. Pivot the alternator forward to loosen the belt. Remove the Poly-V belt.
4. When reinstalling the Poly-V belt, pivot the alternator forward or back as necessary to allow 1/10" (0.3 cm) of play on either side of the belt (refer to Figure 14).
5. Tighten the adjustment bolt and verify the Poly-V belt tension.

### **DRIVE CHAIN**

1. Remove the left side cover.
2. Remove the retaining clip and retaining plate from the drive chain master link. Do not remove the master link from the drive chain yet.
3. Push up on the idler arm with one hand to relieve the tension on the drive chain (refer to Figure 15). Remove the master link from one end of the drive chain and remove the drive chain from the sprockets.
4. Reinstall the drive chain by reversing the steps.

### **STEP ASSEMBLY**

1. Remove the right and the left side covers.
2. Rotate the stairs until the step you want to remove is positioned in the middle of the staircase.
3. Loosen and remove the nut from one end of the step shaft on both the upper and the lower hinges of that step (refer to Figure 16). You may be required to place another 5/16"-18 nut on the opposite end of the step shaft to remove the nut.
4. Remove the bearing and the washer from each step shaft.
5. Grasp the opposite step retaining nut with pliers or locking pliers. Pull the step shaft out of the upper and lower step hinges. Be careful to not lose the washer located between the step and the modified link.
6. Reinstall the step by reversing the procedures.