



PARTS REMOVAL AND REPLACEMENT

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.



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STEP CHAIN ASSEMBLY

1. Remove the right and the left side covers.
2. Rotate the stairs to position the step chain master link on the lower span of the chain (refer to Figure 17).
3. Remove the master link.
4. Using the old master link, connect the new chain assembly to the lower half of the old chain assembly.
5. Remove the nut from the step shaft above the master link (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.
6. Remove the bearing, outer step shaft washer and the modified link of the old step chain assembly from the step shaft.
7. Place the modified link of the new step chain assembly on the step shaft. Reinstall the outer step shaft washer, bearing and nut.
8. Rotate the steps until the next step shaft is in approximately the same place as the previous step shaft.
9. Repeat steps 6-8 until the new chain assembly is installed on the remaining step shafts.
10. Remove the master link connecting the old chain with the new chain.
11. Connect the new chain assembly together with the master link. It may be necessary to reduce the chain tension to install the master link. This step is accomplished by:
 - Count and write down the number of exposed threads on the top bearing adjuster set screw for a reference when you reassemble the parts (refer to Figure 17).
 - Loosen the nuts on the pillow block bearing housing.
 - Loosen the bearing adjustment set screw until the chain tension level is relieved to a point where the master link may be reconnected.



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- Tighten the adjustment screw until the same number of threads are exposed.
 - Tighten the nuts on the pillow block bearing housing.
12. You should consider replacing the opposite step chain so that both chains will wear equally.
 13. Reassemble the machine in reverse order.

UPPER (AND LOWER) SPROCKET ASSEMBLY

1. Remove the right and left side covers.
2. Remove all of the steps.
3. Remove the drive chain if you are removing the upper sprocket assembly.
4. Remove the right and left step chain assemblies.
5. Count and write down the number of exposed threads on the bearing adjuster set screws on both sides of the machine for a reference when you reassemble the parts (refer to Figure 17).
6. Loosen the adjustment screws until the tips of the screws are flush with the inside face of the bearing adjusters.
7. Have an assistant support the sprocket assembly. Loosen and remove the nuts on the pillow block bearing housing.
8. Remove the sprocket assembly from the frame.
9. Loosen the two set screws on both of the pillow block bearing collars and remove the pillow block bearings from the sprocket axle.
10. To reinstall the sprocket assembly:
 - Slide the pillow block bearings on both ends of the sprocket axle. Do not tighten the set screw on the pillow block bearing collars yet.
 - Place the bearing adjusters and the sprocket assembly onto the frame and start the pillow block bearing housing nuts onto the frame.