

## Procedure 7.17 - Replacing An Idler Pulley

### Removing the Idler Pulley

If you are removing only one idler pulley, remove only one cover. It is not necessary to remove both covers unless you are removing both idler pulleys.

1. Remove the cover necessary to access the idler pulley you are removing as described in Procedure 7.1.

#### **WARNING**

Before continuing with this procedure, review the Warning and Caution statements listed in Section One, Things You Should Know.

2. Press down the stairarm with one hand. With your other hand, grasp and pull the end of the stairarm belt connected to the return spring. Release the stair arm. Remove the belt from the pulley and belt idler (refer back to Diagram 7.10).
3. Remove the retaining ring from the idler pulley (refer back to Diagram 7.15).
4. Slide the idler pulley and wave washer from the idler shaft weldment.
5. If you are replacing only one idler pulley...

#### **THEN...**

Continue with the next step.

#### **OTHERWISE...**

Repeat Steps 2 through 4 for the second idler pulley; then continue with the next step.

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6. Visually inspect the wave washer removed in Step 4 for wear or damage.
7. If the visual inspection indicates no wear or damage...

#### **THEN...**

Use the original washer when you perform the next step.

#### **OTHERWISE...**

Replace the washer with a new washer when you perform the following step.

8. Slide the wave washer and idler pulley onto the idler shaft weldment.
9. Using the snap ring pliers, install the retaining ring next to the idler pulley.

10. Lift the stairarm assembly from the frame weldment. Grasp the stairarm belt and lift it over the toothed pulley. Route the belt under the idler pulley.
11. If you are replacing only one idler pulley...

**THEN...**

Continue with the next step.

**OTHERWISE...**

Repeat Steps 6 through 10 for the second idler; then continue with the next step.

12. Check the operation of the climber as described in Section Four, then replace the cover as described in Procedure 7.1.