



TSB-X-motor-Replacement

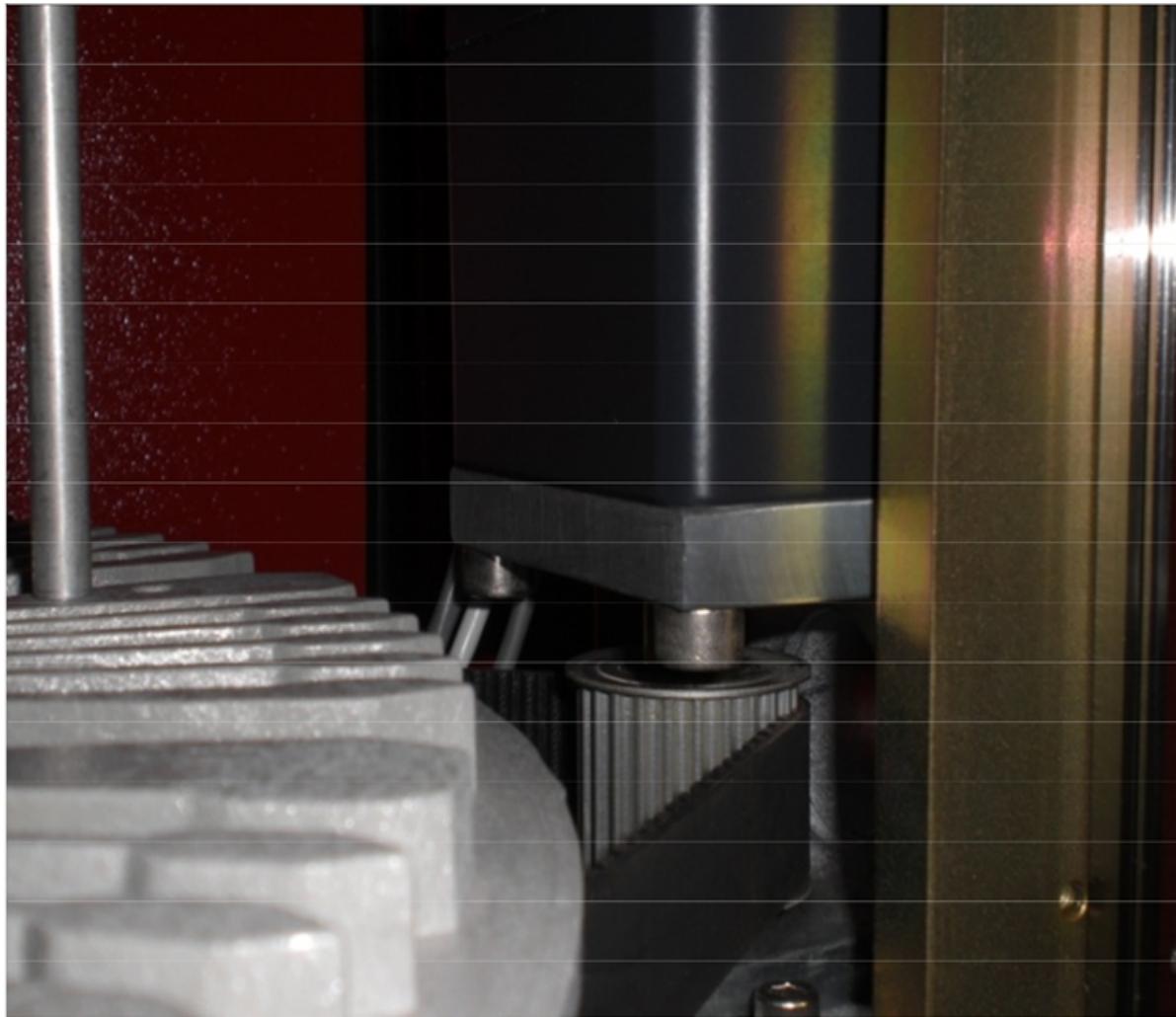


Sayali Kothari
Contractor

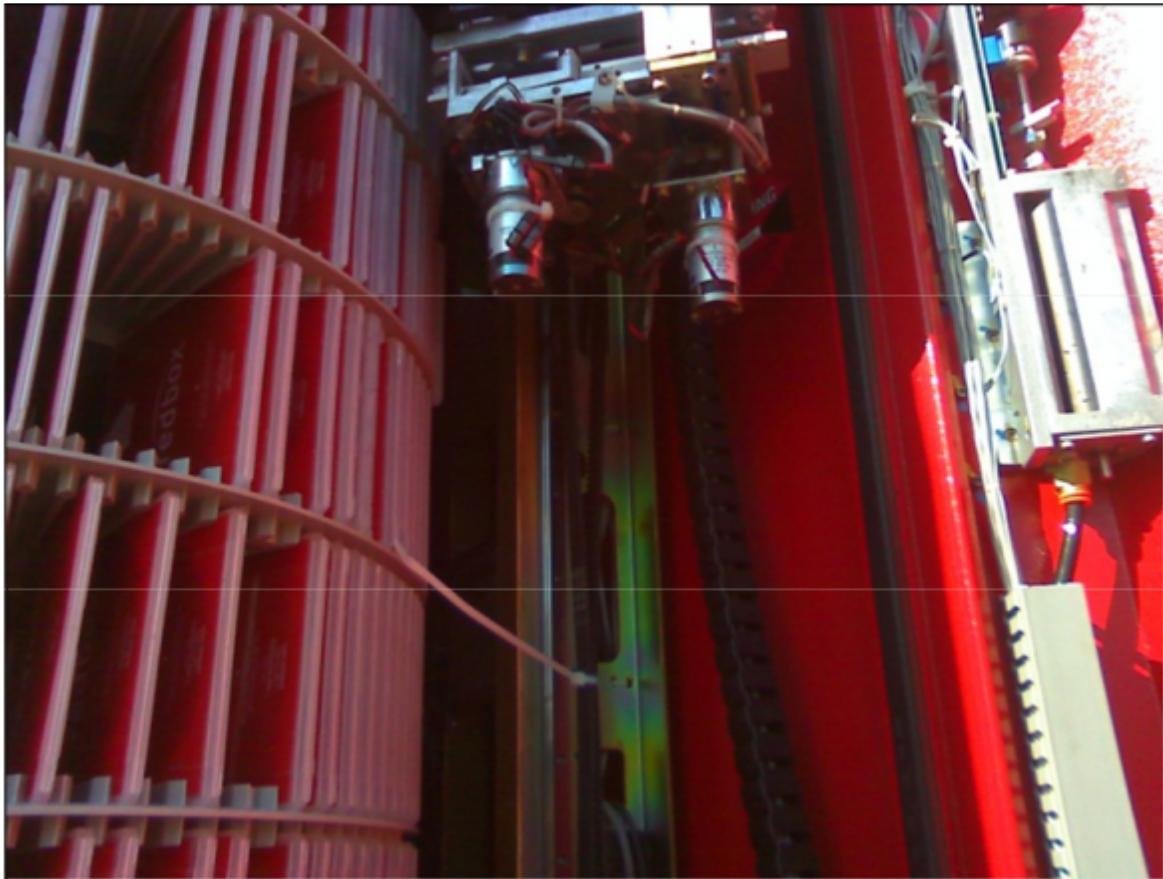
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Description: This TSB contains information about replacement of the X-motor.



1. Remove the old X-motor



Power the machine down. Lift the picker up and tighten a zip-tie around the picker belt.

Clear all discs from the 7th deck on the drum.

The X-motor is located behind the Y rail just below the 7th deck on the drum.

Remove the X-motor wires from the X-amplifier.

Before removing the motor, mark the position of the X-motor bracket on the rail that the motor sits on using a sharpie marker.

The X-motor bracket is attached to the rail with four screws. Remove them using a 3/16" allen wrench.

Loosen the belt from around the bottom of the drum and lift it up to sit around the 7th deck to create more slack.

Bring the motor (with the bracket) to the front of the drum through the 7th deck.

Inspect the motor bracket and note whether or not it has an opening in the front.

If the bracket has an opening in the front, unscrew four screws underneath the motor using the 7/32" allen wrench and pull the motor (with the shaft) up and out through the opening to free the belt.

If the bracket has no opening in the front, remove two set screws on the pulley and slide the pulley off the motor shaft; then lift the motor up and out to free the belt. If you are unable to remove the pulley, use a hack-saw to cut either the bracket or the motor shaft, to free the belt. Note: take caution not to damage the belt.

2. Replace the motor

Insert the belt into the bracket: unscrew four screws attaching the new motor to the bracket using the 7/32" Allen wrench, lift up the motor, slip the belt into the bracket, lower the motor onto the bracket, and reattach it back to the bracket with four screws.

Retract the tension screws in the front of the X-motor bracket to make it easier to maneuver the motor through the 7th deck.

Pull the X-motor through the 7th deck and place it behind the Z-rail.

Replace the belt into position around the bottom of the drum and around the pulley on the motor shaft

Place the motor on top of the rail and on top of the metal block, and loosely reattach it with four screws (the elongated openings on the bottom of the bracket allow for better positioning of the motor).

Adjust tension screws to push the motor bracket away from the drum thus tightening the tension on the belt. Make sure the motor bracket is at the position marked in the beginning of the process and the belt tension is correct. Once in the position, tighten the screws mounting the motor to the rail.

3. Attach wiring

Attach the motor wires to the X-amplifier with a flat or #2 Philips screwdriver in the following order (from top-down): blue, red, orange, green, black. The settings on the dials to the right of the wires should be as follows: F, 9, 5, 5. The 2P/1P switch should be flipped to the right.

Tools/Parts Needed:

#2 Phillips or flat screwdriver	1	
3/16'Allen wrench	1	
7/32'Allen wrench	1	
X-motor	1	DVD-62-000-01

Associated TSB's: Amplifiers TSB

<i>Owner</i>	<i>Department</i>
Created by: Joanna Krawczyk	Machine Support
Published by: Steve Demunster	Machine Support

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1.0.0	1/19/2012	Original release
1.0.1	2/21/2012	Grammatical reformat

