

Tools needed:

- std phillips screwdriver
- short handle flat screwdriver
- needle nose pliers
- hex key set

Procedure:

- 1 Unplug machine and remove motor cover panel.
- 2 Prepare new motor
 - Loosen and remove electrical cover panel from rear of motor.
 - Disconnect short green ground wire from mounting frame - leave attached at motor end.
 - At each end of motor loosen bolt and remove clamp which holds motor body onto frame. Motor will now lift out of mounting frame.
- 3 Remove existing motor from mounting frame following same steps as in 2 above then also:
 - Loosen cable clamp from power cord.
 - Using needle nose pliers carefully pull 2 power leads from terminal lugs and remove power cord.
 - Remove cable clamp from motor.
 - Note position of pulley on motor shaft then loosen hex bolt on inner hub and slide pulley off shaft.
 - Remove old motor from mounting frame - leave mounting frame bolted in position.
- 4 Install onto new motor:
 - Check wiring diagram on new motor and identify the 2 connection terminals for "low voltage" line connection. Verify that the internal motor wires are also connected in the "low voltage" position.
 - Screw cable clamp from old motor onto power hole.
 - Thread power cord through clamp into connection area.
 - Carefully push the power cable connectors onto the correct terminals.
 - Connect the green ground line from the frame onto the motor body
 - Stand clear, plug-in and switch on motor momentarily - confirm rotation of motor is clockwise when viewed facing the motor shaft. Unplug power cord. If needed, read and follow motor plate instructions to reverse rotation.
 - Slide pulley onto motor shaft in approx same position as removed then tighten hex bolt.
 - Tighten power cable clamp onto power line.
 - Replace the electrical cover panel on motor end.
- 5 Set motor & Check
 - Loop the belt over both pulleys and set the motor into the cradle frame.
 - Rotate motor body so that the hump on motor will not interfere with the motor cover plate.
 - Install and tighten frame clamps over the rubber rings on each end of the motor.
 - Spin large pulley by hand and check that there is no contact between motor shaft and pushrod.
 - Now would be a good time to grease the swivel joint & bearings if you have not done so recently.
 - Reinstall motor cover plate