

Procedure 6.7 - Troubleshooting the Eddy Current System (mechanical)

Note:

Over a period of time and usage, the lubrication of the main flywheel oilite bushings and the stairarm oilite bushings will lose effectiveness. This will cause the flywheels and/or stairarms to turn harder, thus increasing the force required to operate the unit.

1. Set the circuit breaker in the 'off' position, unplug the line cord from the wall outlet and remove the rear cover.
2. Remove both stairarms per Procedure 7.21, steps 1 to 6. Remove the left hand flywheel per Procedure 7.14 steps 1 to 8. Rotate the right hand flywheel and 'walk' the drive belt off of the pulley. Slide the right hand flywheel and pulley/axle assembly out of the frame as a unit.
3. Using a clean dry cloth, wipe all residue off of the stairarm pins, mounted in the flywheel rim, and the pulley axle. Using a clean dry cloth, wipe the inner surfaces of the oilite bushings in both stairarms and the oilite bushings in the rear frame column. Use a Scotch Brite pad or similar abrasive to lightly buff the inner surface of the stairarm and rear frame column oilite bushings to remove any potential 'glazing'.
4. Coat the inner surface of the stairarm and rear frame column oilite bushings with Anderol 465 synthetic oil. If Anderol 465 is not available, mineral oil may be used. However, longer lasting results will be achieved by using Anderol 465.
5. Replace the flywheels per Procedure 7.14 steps 10 to 15. Replace the stairarms per Procedure 7.21, steps 7 to 13.
6. Replace the rear cover.