

SECTION 3 - OPENSPEED SWING TABLE

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SECTION 3- OPENSPEED SWING TABLE

3-1 CHECK TABLE OPERATION (Interval: Every 3 months)

Required Tools

- 24 Inch level (60 cm)
- Non-magnetic ruler (48 inches minimum) (120 cm)
- 12 inch (30 cm) straight edge

1. Step on the pedal to lower the table to the maximum down position. If the table does not lower to a height of 23.5 Inches ± 0.5 inches (597.2mm), perform the Table Elevation Calibration Procedure. (Table Down Calibration) **Repair immediately.**
2. Step on the pedal to raise the table to the maximum Up position. If the table does not rise to a maximum height that will allow a smooth transition of the cradle from the table to the magnet enclosure, perform the Table Elevation Calibration Procedure. (Table Up Calibration) **Repair immediately.**
3. Drive cradle into bore approximately 24 inches (61 cm). Check the clearance between the enclosure and the cradle. There should be a smooth level transition between the table and the enclosure. The cradle should not hit the front of the enclosure, perform the Table Elevation Calibration Procedure. (Table Up Calibration) **repair immediately.**
4. Using the Lateral Hand Cranks on both the left and right side of the table. The lateral drive should drive the cradle 120mm to the left and 120mm to the right. If not, See Replacement Procedure for Lateral Drive. **Repair immediately.**
5. Push down on the Emergency release handle on end of cradle to release cradle from carriage assembly. If cradle fails to release, **repair immediately.**



Emergency Release Handle

LOCATION OF EMERGENCY RELEASE LEVER
ILLUSTRATION 3-1

6. Check the Table/ Magnet Pinch Sensors by.... If they fail to stop cradle movement, **repair immediately.**
7. Withdraw the table to the home position, (Cradle should be positioned on the table.) The magnet display should reset to Zero. Using the Foot pedal, drop the table approximately 1 inch (20mm). Attempt to drive the cradle into the magnet enclosure. If the cradle moves, perform the Table Elevation Calibration Procedure (SRI Up calibration.) **Repair Immediately.**

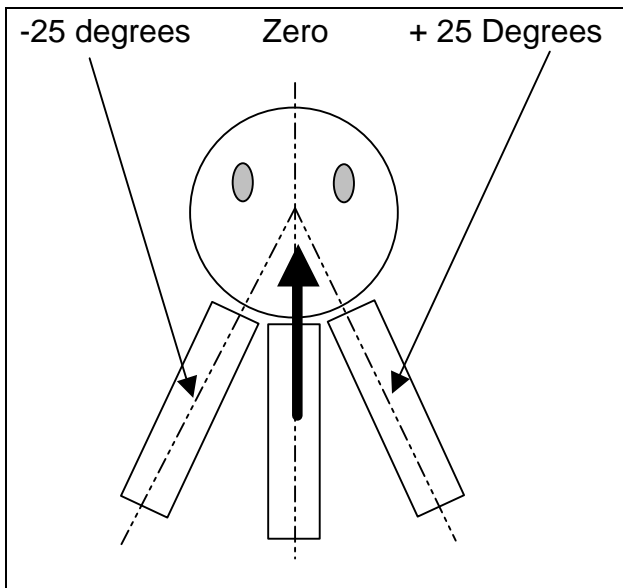


ILLUSTRATION 3-2

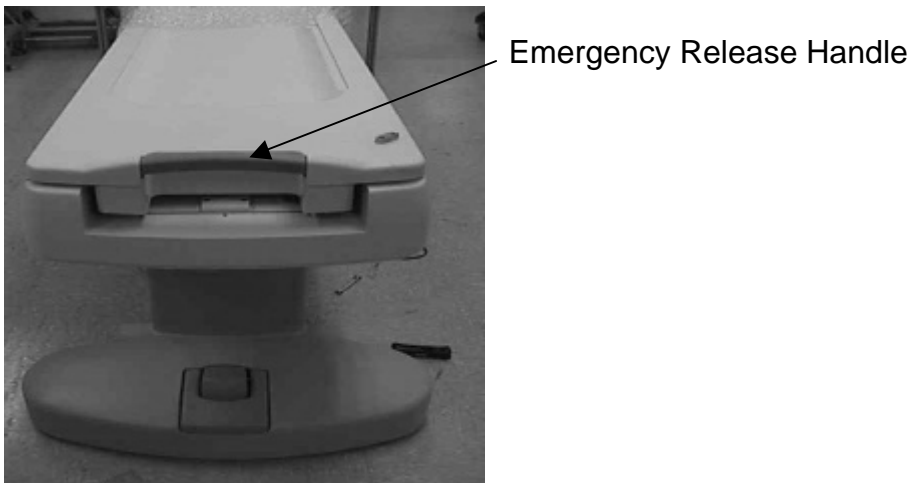
8. Disengage the brake, and swing the table to the -25 degree position. (Looking into the magnet, move the table to the left.) Engage the brake. Using the hand crank drive the cradle laterally, 120mm to the right. Using the table Fast-In control drive the cradle in to the magnet, to its maximum distance. If the cradle does not clear the left magnet down post. You must adjust the table rail. (Refer to the Swing Table Install & Mechanical Center Alignment procedure). **Repair Immediately.**

SWING POSITIONS

9. Make sure the cradle is at the Home position. (All the way out of the magnet enclosure) Using the lateral hand crank, return the cradle to it's Zero degree position. Disengage the brake, and swing the table to the +25 degree position. (Looking into the magnet, move the table to the Right.) Engage the brake. Using the hand crank drive the cradle laterally, 120mm to the Left. Using the table Fast-In control drive the cradle in to the magnet, to its maximum distance. If the cradle does not clear the right magnet down post. You must adjust the table rail. (Refer to the Swing Table Install & Mechanical Center Alignment procedure). **Repair Immediately.**

3-2 CHECK EMERGENCY RELEASE OF CRADLE (Interval: Every 3 months)

1. Push down on the Emergency release handle on end of cradle to release cradle from carriage assembly. If cradle fails to release, **repair immediately**. Refer to the Cradle Emergency Release Adjustment Procedure.



LOCATION OF EMERGENCY RELEASE LEVER

ILLUSTRATION 3-3

2. Slide the cradle forward. Re-engage the emergency release handle.

3-3 CHECK BRAKE PEDAL CABLE AND OPERATION (Interval: Every 6 months)

1. Move the Table to all of three positions and engage the brake by stepping on the pedal. The table should lock into all positions machined into the table wear plate. If the table moves, **repair immediately**. Refer to the Table Brake Cable Adjustment procedure.

3-4 CHECK TABLE GAS SHOCKS (Interval: Every 12 months)

3-5 CHECK TABLE/CRADLE LEVEL (Interval: Every 12 months)

Table leveling is achieved by proper placement of the correct amount of shims under the table Rail during the initial Swing Table Installation. There are no adjustments on the Swing Table wheels. Shimming the Swing Table Rail is the sole method used to adjust table level FRONT to BACK (ANTERIOR to POSTERIOR) and Left to right. If re-shimming the table is required to achieve proper level, it will be necessary to perform all of the Mechanical Table Installation procedure alignments before adjusting the Sensor Adjustment Assembly. Failure to do perform the Installation procedures and measurements will result in table misalignment and severe problems achieving proper image quality.



1. Place at least a 24 inch (60cm) level on the side of the table. Insure that the table is level, front to back. If you find this out of adjustment you will need to re-shim the Swing Table Rail. It will be necessary to perform all of the Mechanical Table Installation procedure alignments. Refer to the Swing Table Installation procedure. (Refer to Illustration 2-5 for further clarification of expected result.)

LEVELING THE TABLE FRONT TO BACK
ILLUSTRATION 3-4

2. Check the level of the table Left to right at the approximate center of the Swing Table.
3. Place Table level across the table/cradle.



If you find table level is out of adjustment you will need to re-shim the Swing Table Rail. it will be necessary to perform all of the Mechanical Table Installation procedure alignments. Refer to the Swing Table Installation procedure.

LEVELING THE TABLE LEFT TO RIGHT
Illustration 3-5

REVISION HISTORY

REV	DATE	AUTHOR	PRIMARY REASONS FOR CHANGE
A	Sept. 6, 2000	D. Hofstetter	Initial version.