SWING TABLE INSTALLATION

TABLE OF CONTENTS

1. Required Tools

- •Non-ferrous Metric Hexagon Wrench Set
- •Level Gauge

2. Prerequisite

- •Ware Plate is already installed.
- •Table Rail is already installed.

3. Overview

This manual describes following items.

- •Table installation onto the table rail
- •Table level check
- •Pivot sensor height adjustment of table rail

4. Mounting the Table on the Front Rail

1. Move the table into position using the shipping dollies attached.
2. Position the table at approximately 15 degrees off center. Carefully slide the cables under the magnet and retrieve them from the back of the magnet. Make sure they are pulled all the way through and temporarily ties wrap them together.

Note:

- •The Swing Table weighs approximately 750 lbs. If the cables are not pulled through and temporarily tie wrapped, they could get caught in the Table Rail and severed by the table swing motion.
- •After installed the table, do not remove dollies.The dollies need adjustment procedure of table.

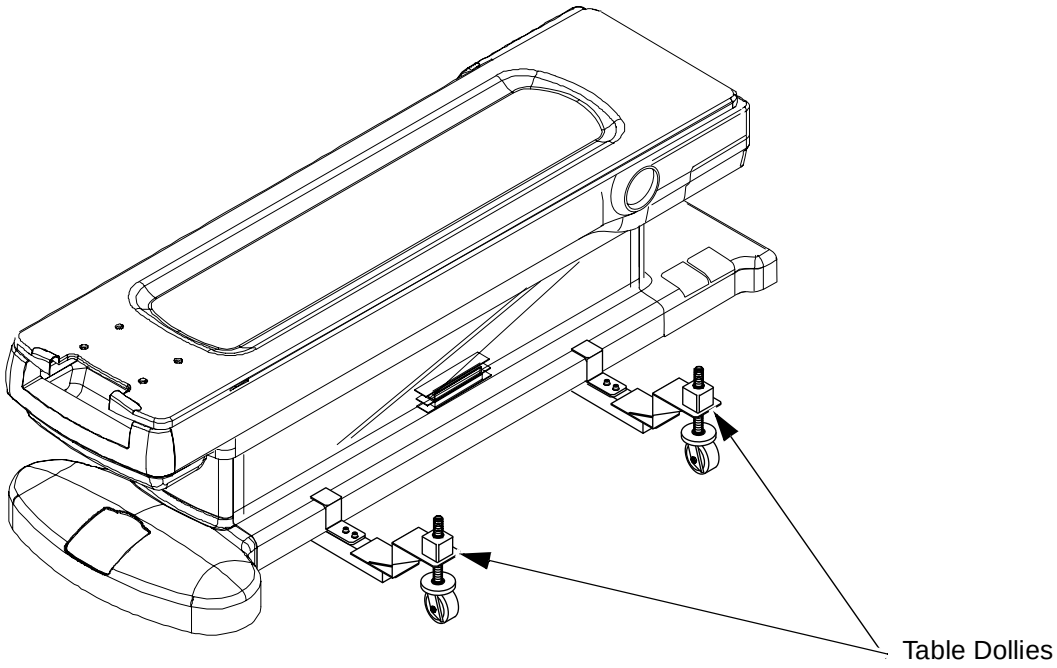


TABLE DOLLIES
ILLUSTRATION 1

4. Mounting the Table on the Front Rail (continued)

3. Remove Wheel Cover from the table.
4. Remove the Rail Wheels from the front of the table and slowly slide the table between the table Rail and the magnet itself. Use the shipping dollies to adjust for height clearance.
5. Once the table is in position, restore the table rail wheels and bolt them tight. Use the second safety lock nut to lock the bolt in position.

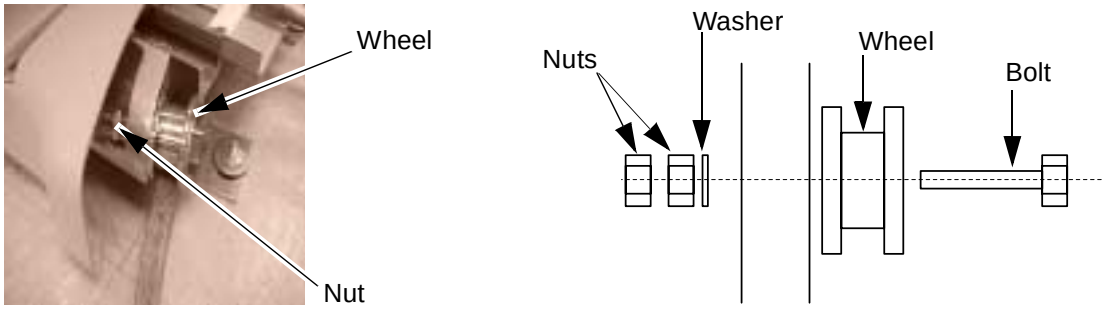


TABLE RAIL WHEEL REMOVAL
ILLUSTRATION 2

6. Using the shipping dollies, slowly drop the table into position.

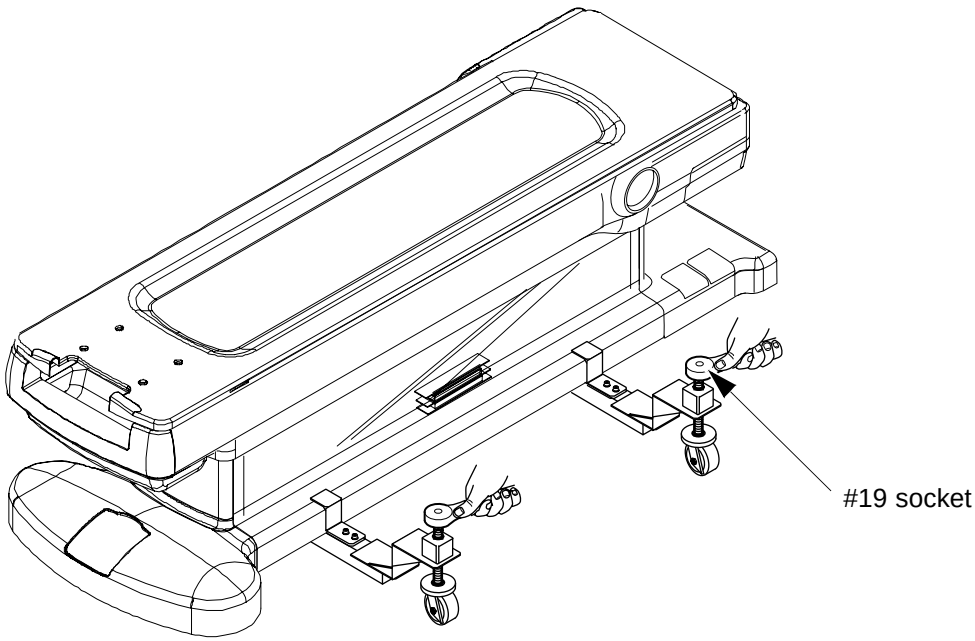


TABLE POSITIONING
ILLUSTRATION 3

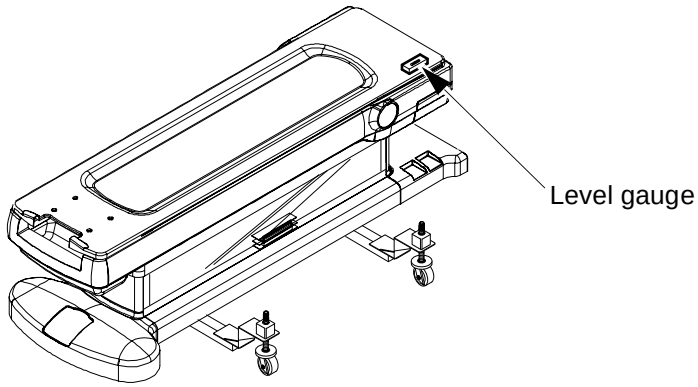
5. Table Level Check

5-1 Overview

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.

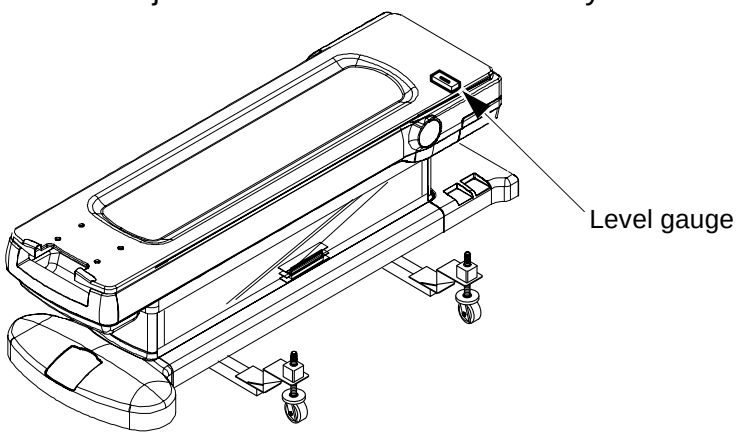
5-2 Table Level Check Procedure

1. Move the Table to the Zero position.
2. Place level gauge 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.
   Refer to Section 6 “Table Level Adjustment” if reshim is necessary.



LEVELING THE TABLE FRONT TO BACK
ILLUSTRATION 4

3. Place Table level gauge across the cradle (Magnet side of the cradle).
   Check the level of the table Left to right at the approximate center of the Swing Table.
   If you find this out of adjustment, you will need to re-shim the Swing Table Rail.
   Refer to Section 6 “Table Level Adjustment” if reshim is necessary.



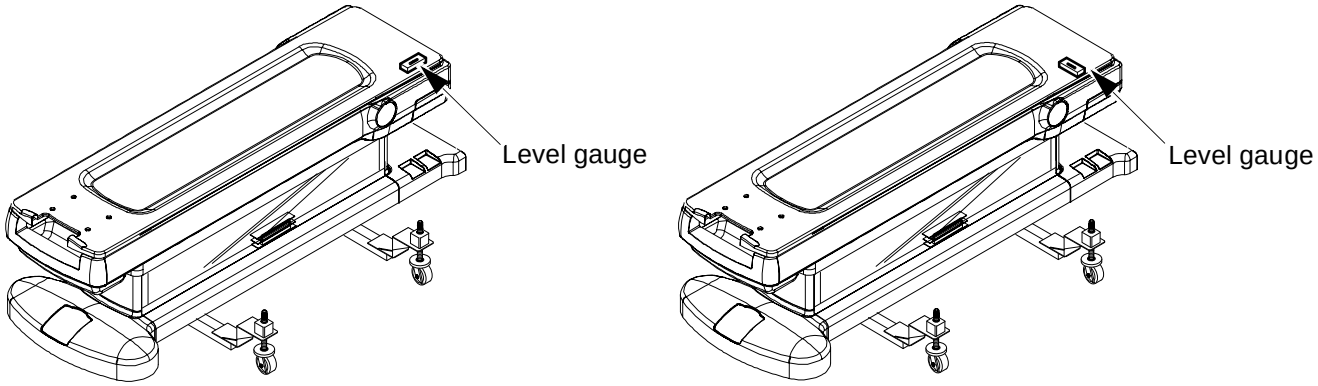
LEVELING THE TABLE LEFT TO RIGHT
ILLUSTRATION 5

5-2 Table Level Check Procedure (continued)

4. If the Table is leveled, remove the dollies from the table.
5. Remove the temporary tie wraps and connect the table cables to the mating cables at the rear of the magnet.
6. Mount all three of the position switches to the Table Front Rail. Connect the position switches to their respective cables. To prevent these cables from being cut by the table roller wheels and Front Rail, use ty-wraps or any other means to secure them out of the way. Failure to do this may cause damage to the cables.

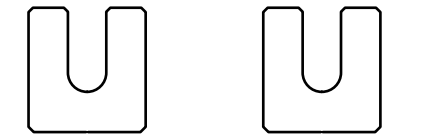
6. Table Level Adjustment

1. Using the shipping dollies, slowly move the table height so that the Table is leveled front to back and left to right.



LEVELING THE TABLE
ILLUSTRATION 6

2. Loosen the four rail anchor bolts
3. Insert the shims under the rail (four anchor positions) until the rail touches the table front wheels.

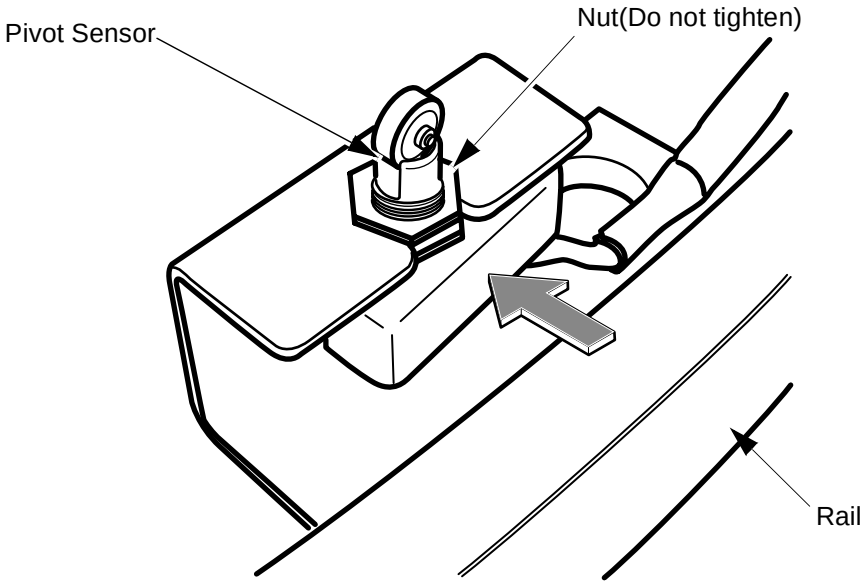


SHIM PLATE
ILLUSTRATION 7

4. Using the dolly remove the table from the rail.
5. Adjust the rail position using adjustment jig.
   (Refer to Installation/7~8th day/Table Rail Installation).
6. Install the Table. Do not remove dolly after the table installation.The dolly will be used to the table swing position adjustment.

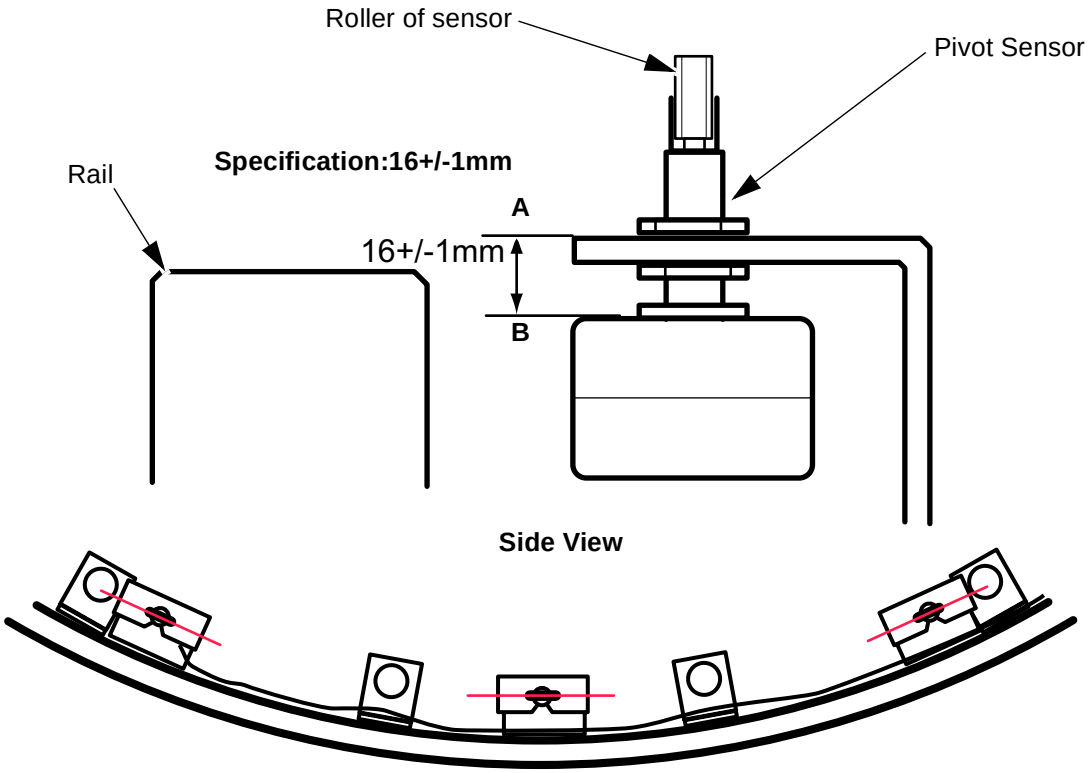
7. Pivot Sensor Height Adjustment

1. After the table installation, restore three pivot sensors to table rail bracket.Do not fix pivot sensor with nut.



PIVOT SENSOR RESTORATION
ILLUSTRATION 8

2. Adjust height of pivot sensor so that distance between A and B becomes 16+/-1mm with nuts.
3. After adjustment of three pivot sensors, check that three sensors are parallel to the rail.



PIVOT SENSOR HEIGHT ADJUSTMENT
ILLUSTRATION 9

Revision History

Rev	Date	Author	Primary Reasons For Change
0	Feb 7, 2001	Y. Masumo	Initial Version
1	Mar 27, 2001	K.Tsumagari	Procedure is changed
2	May 23, 2001	K.Tsumagari	Misc Change