Manitowoc
SERVICE BULLETIN

SUBJECT: REVERSING DOOR SWING AND ADJUSTING SPRING TENSION ON REACH-IN DOORS

(For adjusting door tension, see STEP 8)

STEP 1 RELEASE DOOR SPRING TENSION (Fig. 1)

A. Using a small phillips screwdriver (same diameter as holes), release the spring tension and unscrew the tension pin in the hinge. Important: After removing pin, do not release or remove the screwdriver.

NOTE: The tension pin on early production cabinets was not screwed in, therefore to remove, simply pull out.

B. Release the spring tension by moving the tension pin (or another small phillips screwdriver) in the hinge, one space at a time, until the tension is released.

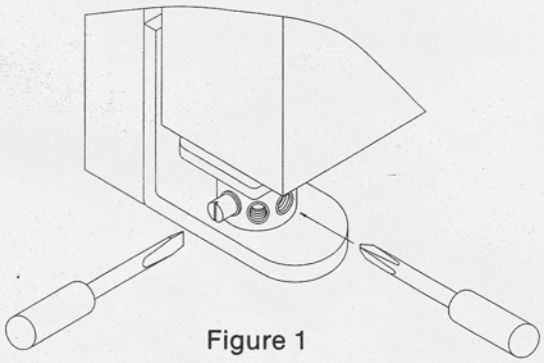


Figure 1

STEP 2 REMOVE THE DOOR (Fig. 4)

IMPORTANT: Do not remove the door without releasing spring tension.

A. Remove the pivot pin from the bottom hinge assembly.

B. Slide door off hinge and remove.

STEP 3 REMOVE HINGE BRACKETS FROM CABINET

Reinstall screws without brackets, as per arrows for location. (Fig. 3) Note: Use short screws for blank holes and long screws to fasten hinge.

STEP 4 REMOVE LOCKRAIL COVER PLATE

A. Raise top front panel cover over channel assembly that holds door lock and thermometer.

B. Remove lockrail cover screws.

STEP 5 REMOVE HINGE COVER PLATE (Fig. 2)

NOTE: Do not damage the hinge cover plate. It will be reused.

A. Remove the hinge cover plate by **carefully** peeling away 2-face tape.

B. Using the 2-face tape, flip cover and reinstall to cover hole where hinge bracket was removed in Step 3.

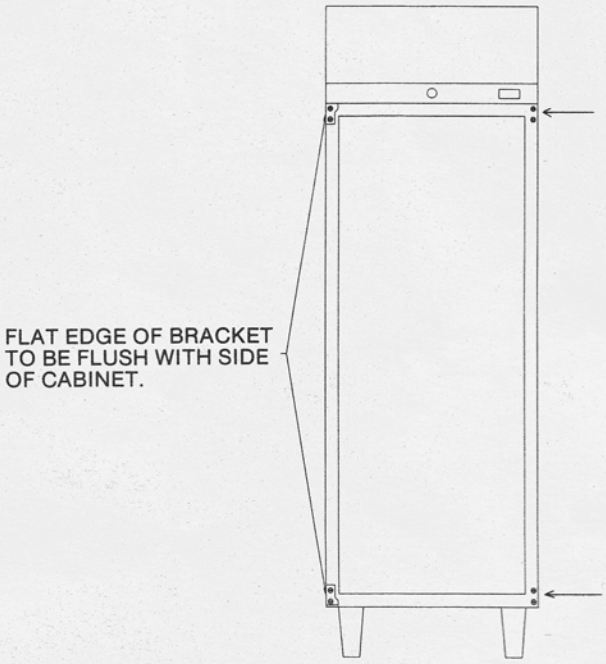


Figure 3

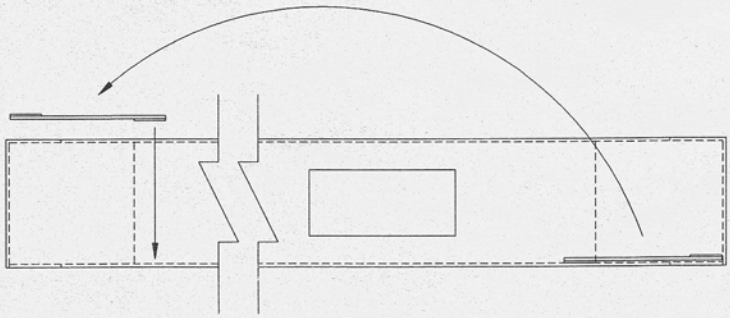


Figure 2

(continued on reverse)

STEP 6 REINSTALL BRACKETS ONTO CABINET (Fig. 3)

A. The flat edge of brackets must face the outer edge of the cabinet.
B. Reinstall the pivot pin removed in Step 2 into the top door bracket.
C. Remove the pivot pin from the bottom door bracket.

STEP 7 REINSTALL DOOR

A. Assure door hinge is assembled properly. (Fig. 4)

B. Slide door up into top pivot pin and rest door on the bottom bracket.

C. Reinstall bottom bracket pivot pin.

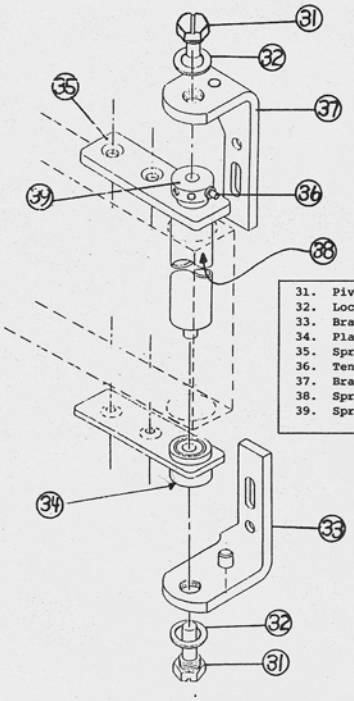
STEP 8 ADJUST DOOR SPRING TENSION (Fig. 1)

A. Use a small phillips screwdriver (same diameter as holes) to tighten the spring tension by moving the tension pin one hole at a time. (Fig. 5) Proper tension is reached after turning the tension housing approximately one full turn after you begin to feel tension on the spring. **Do not over-tighten spring** (1½ turns maximum).

B. Screw the tension pin into a threaded hole or slide depending on style.

C. Check the door to assure it swings freely and returns to closed position by itself.

DOOR HINGE ASSEMBLY



31.	Pivot Pin	30-1021-3
32.	Lockwasher	30-1022-3
33.	Bracket	30-1012-3
34.	Plate Assembly	30-1017-3
35.	Spring housing assembly	30-1023-3
36.	Tension pin	30-1024-3
37.	Bracket	30-1013-3
38.	Spring	30-1025-3
39.	Spring housing pivot pin	30-1027-3

Figure 4

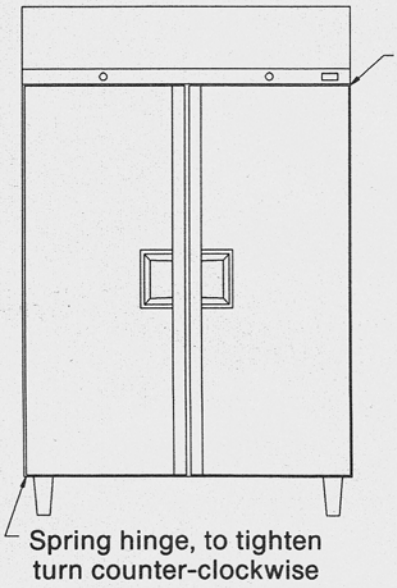


Figure 5

MANITOWOC EQUIPMENT WORKS
Division of The Manitowoc Company, Inc. • 2110 South 26th Street, P.O. Box 1720, Manitowoc, WI 54221-1720 USA
Telephone: 414-682-0161 • RCA Telex 297863 MANCO-UR • FAX 414-683-7879