

Eye On the Hog

R101-MLJ MANUAL

**HOG-LINE-VIOLATION DETECTION
MAGNET LOCATING JIG**

March 23, 2004

Revision 0



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Publication: EOTH-MLJ-M
Document: S95-R101-00001
Printed in Canada



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1. GENERAL

The centre of the hog-line magnet must be one rock radius from the leading edge of the hog line. The R101-MLJ simplifies precise magnet placement. Measurements are not required as the jig is calibrated with two stones.

2. SETUP

- 1) Remove handles from two of the curling rocks that will be used on the sheet. Place these stones approximately 1225 mm (48.25") apart.
- 2) Loosen the four adjustment nuts shown in Fig. 1.
- 3) Orient the jig so that the stone centre pins extend downward and insert the pins into the stone centre holes as shown in Fig. 2. Move one stone as necessary so that the jig is supported on the two stones.

NOTE: The surface of the jig has a plastic coating to ensure that the stone surface will not be damaged.

- 4) Check the movement between the stone centre pins and the stone bore. If the movement is greater than 1 mm (0.040"), wrap the centre pins with masking tape to increase the pin diameter.
- 5) Alternating from one stone to the other, tighten the outer adjustment nuts until the stone-edge locator touches the stone's outer edge. Lock the jig position by tightening the two inner lock nuts as shown in Fig. 3. After locking, rotate each stone one turn to verify that the stone edge locator just contacts the stone circumference. The jig is now in adjustment.

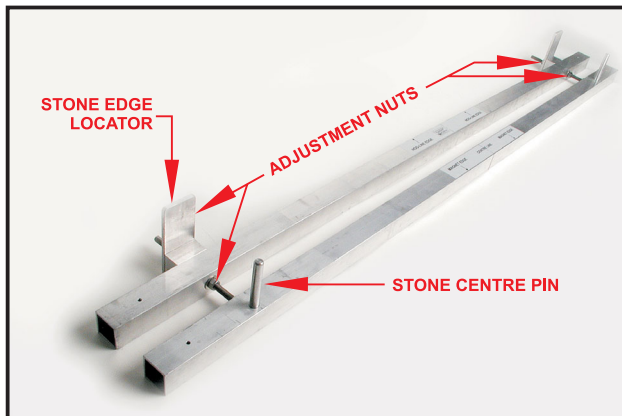


FIGURE 1. Magnet Locating Jig.

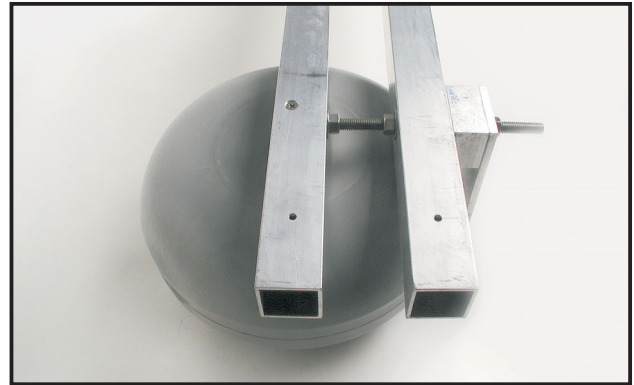


FIGURE 2. Inserting Stone Centre Pin.

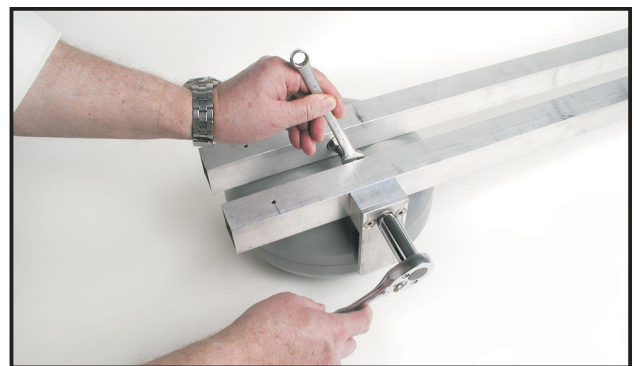


FIGURE 3. Tightening Lock Nuts.

3. HOG-LINE MAGNET INSTALLATION

Chill the Magnet Locating Jig and the hog-line magnets. Centre the jig on the sheet with the hog-line edge in line with the house-side edge of the hog line as shown in Fig. 4. Holes in the jig can be used to fasten the jig to the ice. With the labeled side of the magnet facing down, place the magnet edge against the magnet edge of the jig. Spray the magnet with water and allow it to freeze in place. Remove the jig.

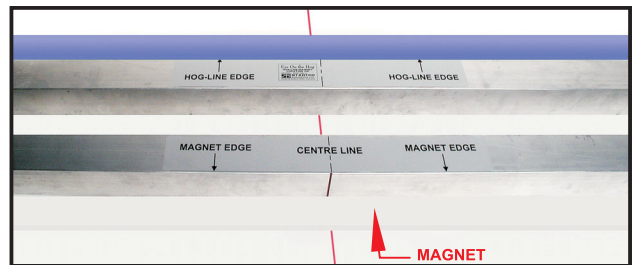


FIGURE 4. Magnet Locating Jig Placement.

CAUTION:

The distance from the top of the magnet to the ice surface must not exceed 25 mm (1").