



OPERATION MANUAL MANHOLE COVER LIFT SYSTEM

MAG-MATE™

TOLL FREE: 888.582.0822

Single and Dual Magnet System Instructions

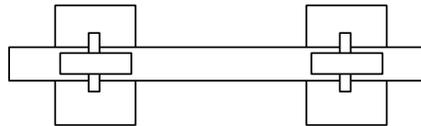
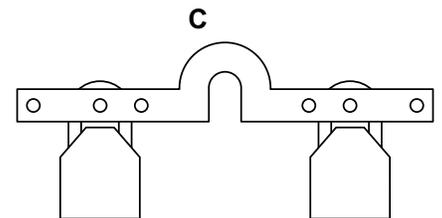
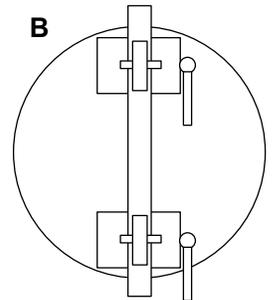
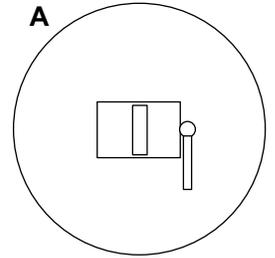
Operating Instructions

1. Make sure the manhole cover is clean of dirt and other debris. If manhole cover is packed with dirt or snow, use a hammer to knock it loose. **Manhole Cover must be loose prior to lifting.**

2. Depending on whether you have a single (**See Figure A**) or dual (**See Figure B**) magnet system, place the magnet in either the center of the manhole cover or, for dual magnets, place them near the outside edge of the manhole cover, but not past the edge. Be sure to have the on/off handle(s) of the magnet(s) facing the opposite side of where the dolly will be attached.

3. *If you have a single magnet, skip to step 4.* If you have dual magnets, attach the spreader bar to the magnets by sliding the rounded lift lug of the magnet between the bars of the spreader bar and past the hole in the spreader bar you intend to use. Make sure the magnets are directly below the holes. Be sure to use the same hole on each side. Slide the pin into the hole of the spreader bar, keeping the magnet from falling off on either side. (**See Figure C**)

4. Rotate the on/off handle on the PowerLift® magnet(s) to the "ON" position. There will be resistance as you move the handle until it gets to the "ON" position.



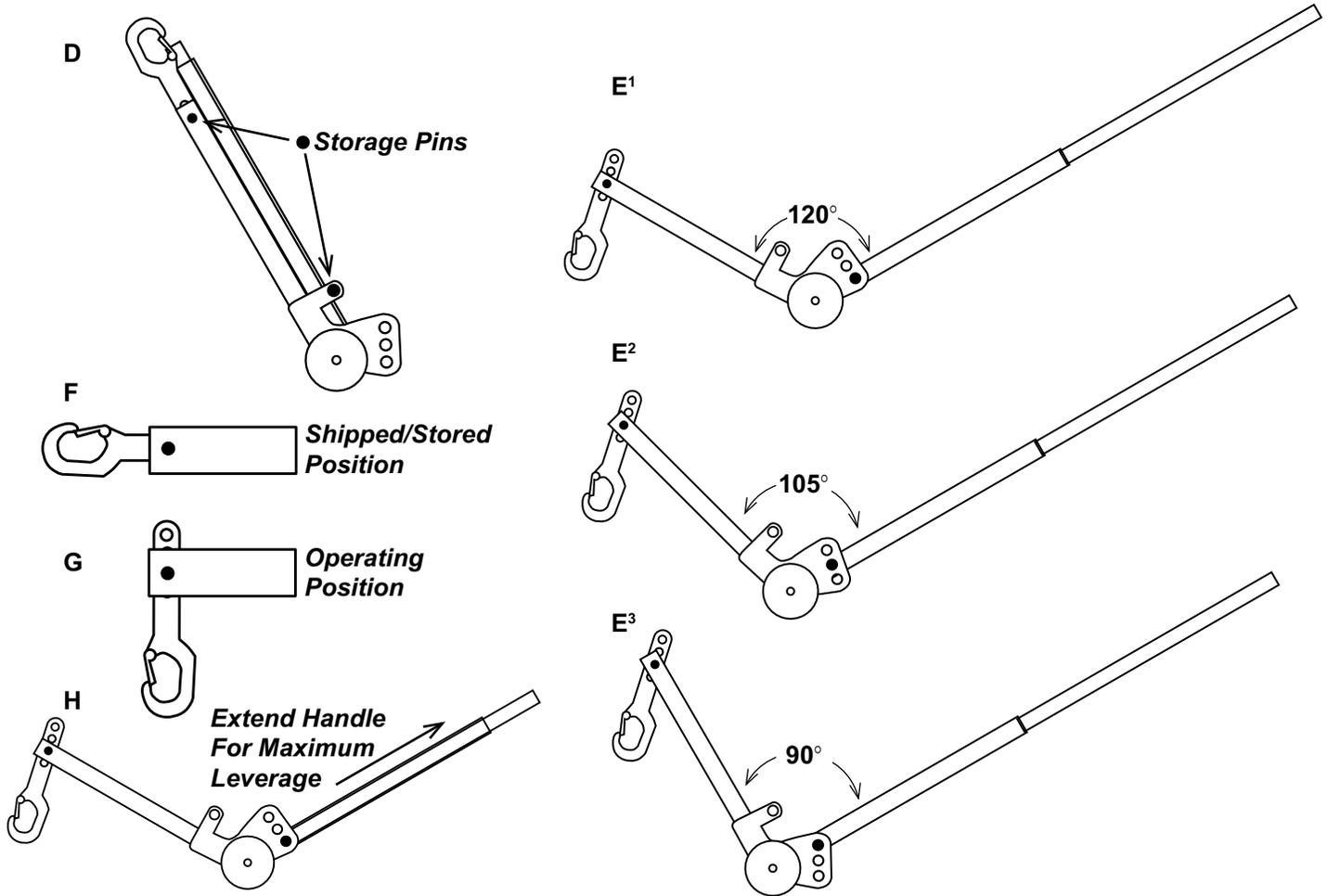
Dolly Operation and Setup

1. For the MCL2000 and MCL3000, pull the storage pin holding the unit together. (**See Figure D**) Be sure coworkers and other equipment are clear of the area during the unfolding step. Locate the handle and place storage pin in one of the three holes for operation. The three holes will give you 120°, 105° and 90° angles for leverage that best fits your application. (**See Figures E¹, E² and E³**)

2. Each style of dolly is shipped with the lifting hook inside the dolly end. (**See Figure F**) Remove the pin, pull the hook out and re-insert the hook in the slot of the dolly end. (**See Figure G**) Place the pin in one of the holes in the hook and the dolly arm.

3. Each style of dolly is shipped with the leverage handle inside the dolly end. (**See Figure H**) Pull the pin out and extend the handle to the last hold on the handle. This will give you the maximum leverage to lift the manhole cover. IMI provides three hole locations for the handle, choose the one best for your application.

Dolly Operation and Setup - Continued



Magnet and Dolly Operating

1. Attach the hook to the spreader bar or the lift lug on the magnet, once again depending on whether you have a single or dual magnet.
2. Once everything is attached, you may have to adjust the hook position and handle angle (which will raise or lower the handle) to operate the dolly at the most ergonomic positions, push downward on the handle to begin pulling the manhole cover from the ground.
3. When finished, use the dolly to replace the manhole cover.
4. Turn the magnets off and unhook the spreader bar if applicable.
5. Return the hook back to prior position for storage and fold the dolly back into stored or folded positions.

Comments or Concerns?

We believe Industrial Magnetics, Inc. offers the finest Manhole Cover Lift Systems available today. Great pride has gone into the design and manufacture of this unit. Any comments or concerns should be directed to our Customer Service Department at 1-888-582-0822. **We appreciate the opportunity to serve you!**

INDUSTRIAL MAGNETICS, INC.

03/08

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