MANUAL DOME ROTATION PROCEDURE

To manually rotate the dome, two steps must be performed. The motor friction wheel must be disengaged from the flange, and the hand crank adjusted to contact the flange.

1. Lower the dome motor assembly until the friction wheel no longer contacts the flange by adjusting the jack screw (1) associated with the dome motor assembly. Ensure the flange now contacts the bottom bearing of each of the dome bearing assemblies adjacent to the dome motor assembly.

2. Position the bottle jack to the right of the hand crank and raise the flange. When the upper surface of the bottom flange touches the top bearing of the nearest dome bearing assembly, position the pipe segment wedge under the hand crank base and directly below the drive wheel to the point that the hand crank drive wheel contacts the flange. To bring the dome weight to fully bear on the hand crank drive wheel, release the bottle jack. Ensure that the upper surface of the bottom flange surface is not contacting the top roller. Remove the bottle jack from the dome wall to prevent interference with the rotation of the dome.

It may be necessary to manually push/pull the dome in the desired direction at the same time that the hand crank is being used. Cotter pins for the hand crank are located on the dome bearing assembly located to the left of the hand crank assembly.

2025-09-22 gwh