1. Relieve all tank pressure prior to opening manhole cover.

**WARNING**: Tank may contain residual pressure. Failure to relieve pressure may result in sudden loss of pressure and could result in death or serious injury.

**WARNING**: Before working on a cargo tank, insure tank is completely free of vapor and/or product that could present a risk of fire, explosion, asphyxiation or other hazard. Failure to remove vapors could result in death or serious injury.


   Allow them to drop freely off the cover.

4. Release two safety latches.

   Note: These latches will NOT drop freely off the cover and will be held in position as shown.

5. Safety latch retention.

   The safety latch assembly is held in position by interference between the clevis and the cast cover.

6. Lift cover slightly off collar seat to release safety latch assemblies.

   Note: If residual pressure is present in the tank, allow it to relieve prior to proceeding.

7. While continuing to hold cover off collar seat, rotate the two safety latch assemblies off cover.

8. Manhole cover can now be fully opened.
1. The two safety latches are located to the left and right of the manhole cover handle.

2. Lift cover slightly off collar seat and rotate first safety latch assembly into place.

3. Hook first latch assembly into place using retention feature. Note: Cover must continue to be lifted slightly to allow second latch assembly to be engaged.

4. Once both safety latch assemblies are in place, cover can be lowered.

5. When closing, lobe of latch must mesh with profile of wear plate.

6. Close cam-latches following a crisscross/star pattern.