

# 410A SERIES BALL VALVES LOCKING LEVER INSTALLATION

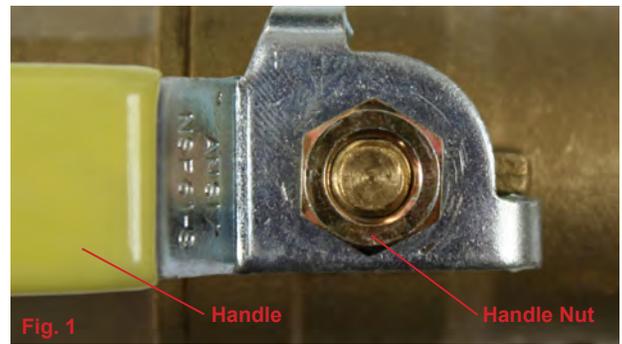


This installation sheet pertains to the following 410A-series locking lever kits and is applicable to all ball valves that use the following kit numbers:

FNW410ALHKBD  
FNW410ALHKFG  
FNW410ALHKKHJ  
FNW410ALHKKP

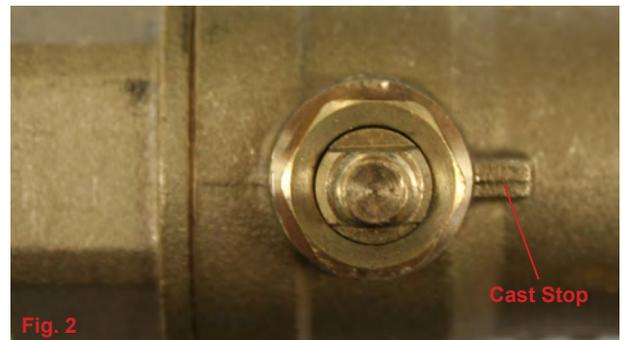
## Fig.1 - Standard Handle Configuration

The valve is in the open position, however the kit can be installed in either the open or closed position. Note that the lever turns in the clockwise direction to close the valve. Remove the handle nut and handle



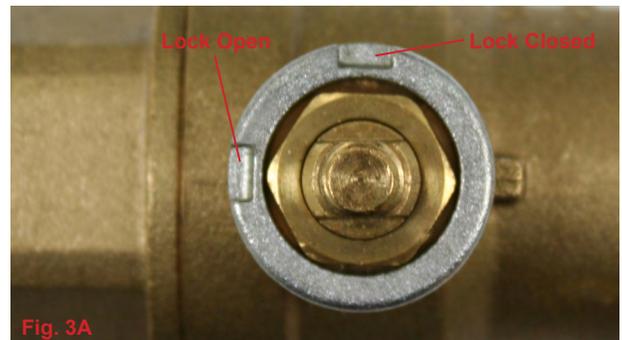
## Fig. 2 - Handle Removed

Note the location of the cast stop. The locking lever can be installed in one of two configurations. The first configuration allows the handle to be locked in either the closed or open position. The second configuration allows the handle to be locked in only the closed position (which is the necessary configuration when the valve is used in gas services meeting applicable CSA requirements).



## Fig. 3A - Lock in Closed AND Open Positions

The locking lever kit includes a locking lever (lever with slider) and a lock collar. Install the lock collar over the neck of the valve as shown, with one notch on the opposite side of the cast stop, and the other notch to the side.



## Fig. 3B - Lock in Closed Position ONLY

Install the lock collar over the neck of the valve as shown, with one notch over the cast stop, and the other notch to the side.



## Fig. 4 - Install Locking Lever

Place the locking lever over the stem. While holding the lever slider up, install the handle nut. To tighten the handle nut, move the valve to the closed position, hold the slider up, and tighten the nut. If the valve can not be closed at this time, support the handle while tightening the nut. **Do not tighten the handle nut with the slider down or the lever slider and/or lock collar could be damaged.**

## Operation

Lift the slider whenever the valve position is changed. Turn the handle clockwise to close the valve, and counter-clockwise to open. With the slider down, the handle can be locked using a pad lock or lockout hasp that can clear the 0.31 inch hole and not allow upward movement.

