

## Installation Instructions 45 series Latch Lock Handle

**Lock open or closed, or lock closed only service for straight, angle, three-way, and four-way pattern valves**

This document shows you how to install a latch lock handle on your existing 45 straight, 45 angle, 45L and 45HL series valve, enabling you to lock the valve in the open or closed position, or lock closed only position. These instructions apply only to **STRAIGHT** and **ANGLE** pattern valves.

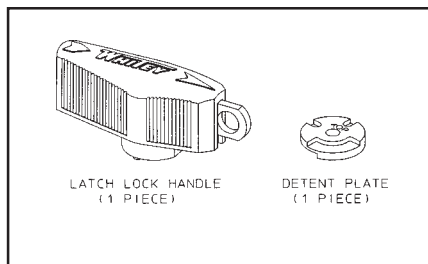


**WARNING: Before servicing any installed valve, you must**

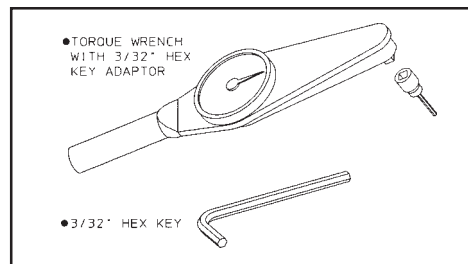
- depressurize the system
- cycle valve

**WARNING: Residual material may be left in valve & system**

### Kit contents

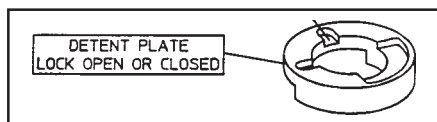


### Suggested Tools

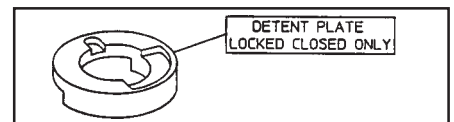


### Detent Plate Identification

straight, angle, L, HL, for lock open or closed

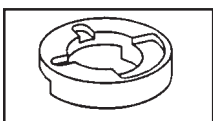


lock closed only

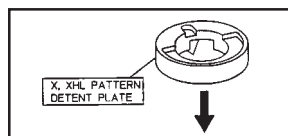


### Detent Plate Identification

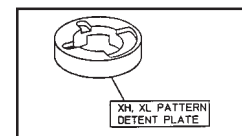
Y, YH, YHH pattern



X, XHL pattern

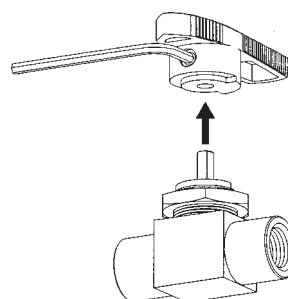


XH, XL pattern



### Valve Preparation

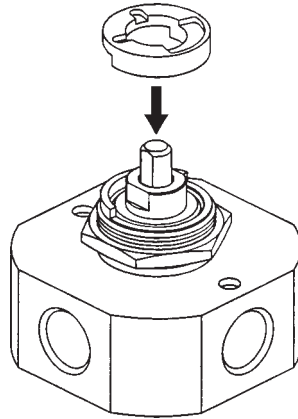
- 1.) Note direction of old handle. Latch lock handle must be installed pointing in the same direction as the old handle. Loosen setscrew and remove the existing 45 series style handle and handle stop insert (if present).



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## Installation

1. Slide detent plate over stem with the word "TOP" facing up. Relief on bottom of detent plate fits over handle stop on valve.

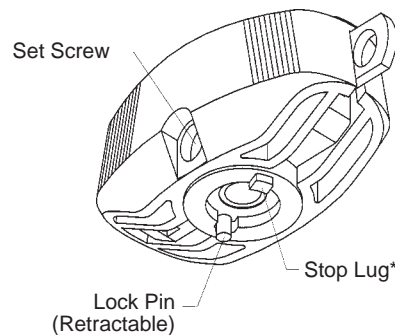


2. Line up setscrew of latch-lock handle with stem flat (use large flat if stem has two flats) and install handle until it bottoms out on detent plate.

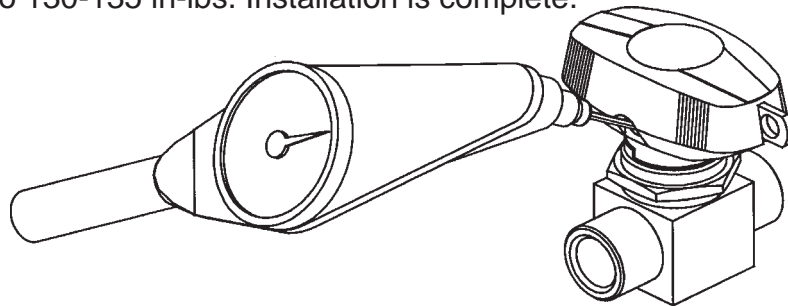
Straight, angle, L, HL, Y, YH, and YHH pattern: Stop lug should be in the stop lug recess and lock pin should be in the lock pin recess.

X, XHL, pattern: Lock pin should be in lock pin recess or in either side of stop lug recess, depending on direction of handle.

XH, XL pattern: Lock pin should be in one of the two lock pin recesses.



3. Tighten set screw to 130-135 in-lbs. Installation is complete.



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## Operation

1. Depress trigger all the way into handle.
2. Begin turning handle and release trigger.
3. Continue turning handle until it "clicks" into place.
4. Valve can be locked out by placing a padlock or locking device through hole in trigger.

