**AL & D-Series Lever Locks**

**Tools Required**
- For Lock Installation: Phillips screwdriver
- Catch push pin or Starter wrench

**Remove Inside Trim**

1. Remove Inside LEVER and INSERT.
   - NOTE: Some locks manufactured in the year 2000 or later do not have plastic lever inserts.
   - For NON-KEYED LOCKS:
     a. Insert end of catch push pin or other tool (e.g., plastic wrench) into hole in lever,
     b. Push tool to depress catch, c. Pull lever from spindles.

2. Remove ROSE from chassis.
   - If necessary, twist counter-clockwise on chassis.

3. Check LATCH PRONGS.
   - Using a catch nut wrench, rotate castle nut clockwise until all three (3) threads of the chassis hub are showing.

4. Install OUTSIDE LEVER.
   - For KEYED LOCKS:
     a. Insert key into cylinder,
     b. Turn key one-quarter (1/4) turn,
     c. Insert end of catch push pin or other tool (e.g., plastic wrench) into hole in lever,
     d. Push tool to depress catch, e. Pull lever from spindles.
   - For NON-KEYED LOCKS:
     a. Insert key into cylinder,
     b. Turn key one-quarter (1/4) turn,
     c. Insert end of catch push pin or other tool (e.g., plastic wrench) into hole in lever,
     d. Push tool to depress catch, e. Pull lever from spindles.

5. Install CASTLE NUT.
   - Using a castle nut wrench, rotate castle nut clockwise until threads of the chassis hub are showing.

6. Install NEW OUTSIDE CAGE SCREWS.
   - Do not overtighten.

7. Install INSIDE LEVER.
   - For KEYED LOCKS:
     a. Insert cylinder into lever,
     b. Insert key into cylinder,
     c. Begin to slide lever onto spindle(s),
     d. Rotate key one-quarter (1/4) turn and continue to slide the lever into place until it is heard, e. Pull lever to ensure catch is fully engaged.
   - For NON-KEYED LOCKS:
     a. Insert key into cylinder,
     b. Begin to slide lever onto spindle(s),
     c. Rotate key one-quarter (1/4) turn and continue to slide the lever into place until it is heard, d. Pull lever to ensure catch is fully engaged.

**Repair Spring Cages**

1. Obtain new spring cage.
2. A. Remove old spring cage,
   - B. Engage prongs.
3. B. New spring cage,
   - A. Plastic Insert
4. Install Driver Cap
   - A. Using a castle nut wrench, rotate castle nut clockwise until threads of the chassis hub are showing.
   - B. Pull lever to ensure catch is fully engaged.

**D-Series Door Thickness Adjustment**

1. Remove OUTSIDE LEVER.
   - For NON-KEYED LOCKS:
     a. Insert key into cylinder,
     b. Turn key one-quarter (1/4) turn,
     c. Insert end of catch push pin or other tool (e.g., plastic wrench) into hole in lever,
     d. Push tool to depress catch, e. Pull lever from spindles.
   - For KEYED LOCKS:
     a. Insert key into cylinder,
     b. Turn key one-quarter (1/4) turn,
     c. Insert end of catch push pin or other tool (e.g., plastic wrench) into hole in lever,
     d. Push tool to depress catch, e. Pull lever from spindles.

2. Remove ROSE from chassis.
   - Push tool to depress catch, e. Pull lever from spindles.

3. Install CASTLE NUT.
   - Using a castle nut wrench, rotate castle nut clockwise until threads of the chassis hub are showing.

4. Pull CHASSIS from door.

5. Install INSIDE LEVER.
   - For KEYED LOCKS:
     a. Insert key into cylinder,
     b. Insert key into cylinder,
     c. Begin to slide lever onto spindle(s),
     d. Rotate key one-quarter (1/4) turn and continue to slide the lever into place until it is heard, e. Pull lever to ensure catch is fully engaged.
   - For NON-KEYED LOCKS:
     a. Insert key into cylinder,
     b. Begin to slide lever onto spindle(s),
     c. Rotate key one-quarter (1/4) turn and continue to slide the lever into place until it is heard, d. Pull lever to ensure catch is fully engaged.