

**XA-58379 Column Cylinder Replacement Instructions:**

1. Open and lower the liftgate platform until it is resting on the ground.
2. Disconnect the platform by remove bolt & nut securing the cylinder pin to the clevis (both sides) and removing the cylinder pins (both sides).  
(This will allow both column cylinders to retract without raising the platform.)
3. Using either the control station or the column toggle switch retract the two column cylinders.
4. Loosen all four bolts retaining the cover at the top of the column of the cylinder requiring replacement. Once all the bolts are loose, unscrew the four bolts and remove the top cover.
5. Loosen and remove the two hydraulic hoses from the cylinder (Note and mark positioning and port orientation).
6. Disconnect the electrical wire from the cylinder solenoid.
7. Attach a rope to the top of the cylinder attaching it to the loop. Remove slack and secure to the ICC bumper.
8. Remove one of the cir-clips from the cylinder mounting pin and remove the pin.
9. Using the rope gently lower the cylinder to the ground, pulling the bottom of the cylinder inwards to disengage it from the column.
10. Install the rope into the loop on the replacement cylinder. Raise it up into position.
11. Install the cylinder mounting pin and re-install the cir-clip.
12. Connect the electrical wire to the cylinder solenoid.
13. Install and tighten the two hydraulic hoses to the proper cylinder ports.
14. Install the column cover and by hand install the four bolts. Once all four bolts are started securely tighten the bolts.
15. Using the control station, purge the air from the system by holding the switch in the up position for twenty to thirty (20 – 30) seconds. Repeat two to three (2 – 3) times.
16. Using the control station, lower the column cylinders by holding the switch in the down position. (The column cylinders may only extend part way). Using the control station, retract the column cylinders and purge the air from the system by holding the switch in the up position for twenty to thirty (20 – 30) seconds. Repeat several times.
17. Re-attach the platform (insert the cylinder pins and secure by installing the bolt & nut (both sides)).
18. Raise the platform. With the platform in the open and raised position, check the hydraulic fluid level in the reservoir ( $\frac{1}{2}$ " from top).