# Manual Hydraulic System Operation

The hydraulic hand pump can be used to operate any of the hydraulic circuits in case of emergency or loss of battery power. Manual operation should not be used for daily operation of the hydraulic system.

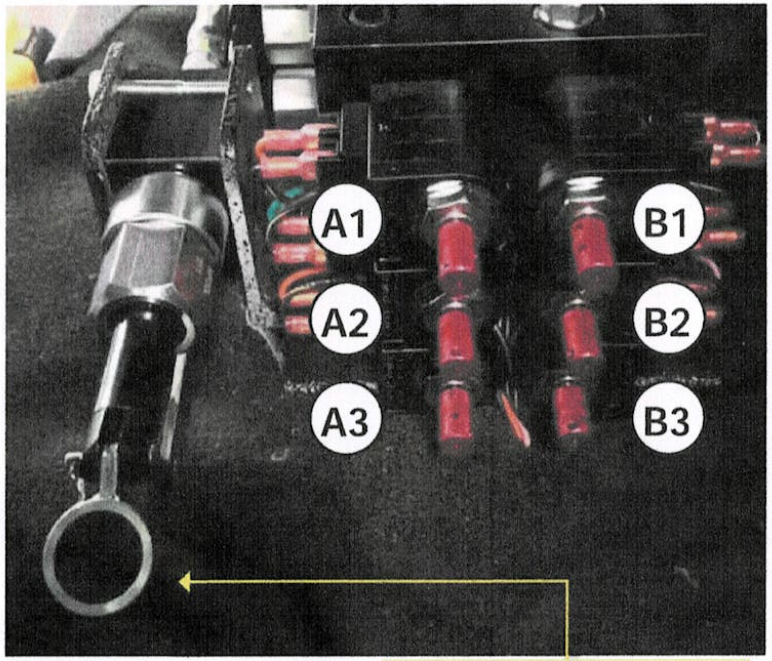
In a situation where manual operation of the hydraulic system is necessary, first ensure electrical power to the system has been shut off, and all electrical controls are off.

| PIN | Pull Red Pin to Acuate* |
|---|---|
| A1 | Door Open |
| A2 | Tray / Chair Up |
| A3 | Horizontal Tray Out |
| B1 | Door Close |
| B2 | Tray / Chair Down |
| B3 | Horizontal Tray In |

* Make sure to move Pin counterclockwise back to the original position before operation.

## TO OPERATE PUMP:

1. Ensure there is adequate automatic transmission fluid in the reservoir tank, located under the hood..
2. Ensure there are no objects or persons in the way of operating the ramp.
3. Insert handle for hand pump into pump handle receptacle.
4. Operate pump and ensure the pump is building pressure (resistance to pumping) before operating any of the manual valves. It may take additional strokes of the hand pump to fully prime the system if it has not been used recently.
5. Select which hydraulic cylinder or operation you wish to move and select appropriate valve to operate (A or B). Do not operate more than one valve at a time.
6. Pull the appropriate red Pin while simultaneously operating the hand pump to move the cylinders while verifying safe motion of the ramp. The red Pin may be pulled out and turned clockwise to lock position so it does not have to be held while pumping.




*Hydraulic Manifold Hand Pump Location*