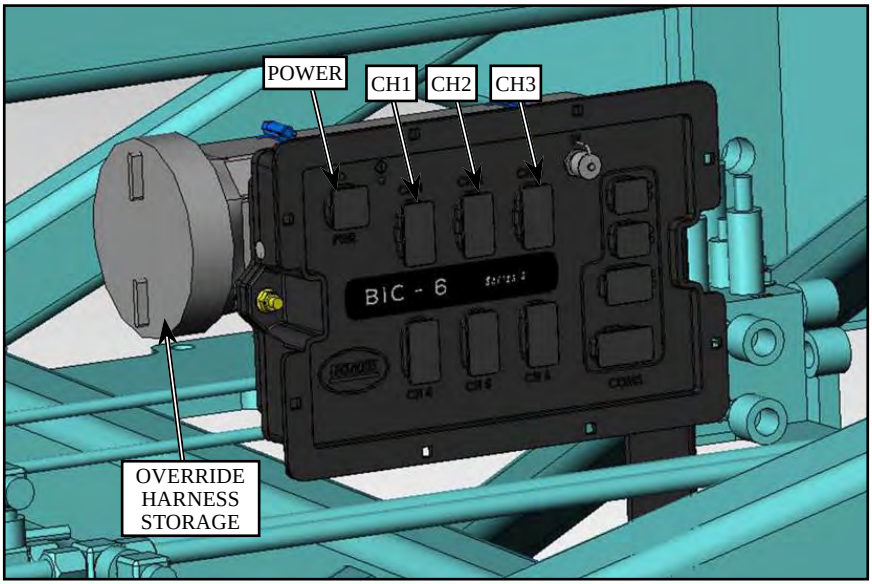
Welcome to the Quick Reference Guide for the AccuSet manual override operation for raising and lowering the drill. Please refer to the Operator's Manual for complete instructions.

In the event that there is an issue with the Bourgault AccuSet Implement Controller ECU, that prevents the raise and lower operation of the drill, there is a manual override harness provided to by-pass the ECU.

Important: The intent of this harness is to act as an emergency service tool and should not replace the operation of the ECU.



Bourgault AccuSet Implement Controller ECU (BIC ECU)

Using the AccuSet Manual Override Harness

1. Ensure a safe state of the drill. Turn off all hydraulics and remove the tractor key from the ignition.
2. Carefully take the harness out of the storage container and unfold.
3. Remove the harness connectors from CH 1, 2, 3, and PWR on the BIC ECU.
4. Plug these connectors into the Manual Override Harness with their respective labels. AccuSet Channels pair with CH's 1, 2, and 3 (order not important), and "AccuSet ECU PWR" to ECU Power.
   a. At each of the AccuSet hydraulic blocks at the base of each axle, you need to unscrew the Counterbalance Valves to permit the QDA cylinder to rest on the shims.

AccuSet Manual Override Harness

b. These are labelled CB1 and CB2. Unscrew each one approximately 3 revolutions to permit the oil to flow past the CB valve. You will need to restore this number of turns when you repair the AccuSet ECU.

CAUTION: Do not fully unscrew Counterbalance Valve as there is no low pressure stop to limit disassembling the cartridge.

c. Repeat this step for each of the 12 Counterbalance Valves on all 6 hydraulic Blocks (8 valves on 4 blocks for a 40' drill).

5. Ensure operator and all bystanders are in safe position and not in any pinch points.
6. Turn tractor back on and engage the opener circuit hydraulics.
7. You can now use the manual override harness rocker switch to raise and lower the drill.
8. Raise the drill up, and use the QDA shims to set the frame height for the desired seed depth.
9. Use the rocker switch to lower the drill onto the shims.
10. Walk around the drill to check that each QDA cylinder is resting on the shims. Check the seed depth to verify the depth setting.

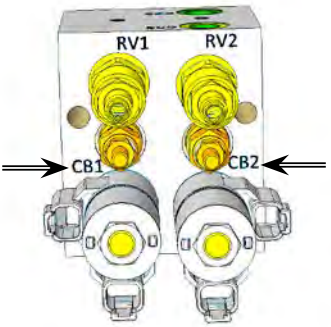
Removing the AccuSet Manual Override Harness

11. Once the BIC ECU is repaired, ensure a safe state of the drill. Turn off all hydraulics and remove the tractor key from the ignition.
12. Unhook the manual override harness, and plug AccuSet harness connectors back into ECU CH's 1, 2, and 3 (order not important), and ECU PWR back into PWR.

a. Return to each of the 12 Counterbalance valves on the 6 hydraulic Blocks and turn back in the Counterbalance valves. You will need to restore the three revolutions that were unscrewed in the earlier procedure. These are labelled CB1 and CB2. If you have lost your place on the CB valve, the origin setting for the CB valve was approximately 3.5 revolutions from fully seated (fully screwed in).

b. Lock nut on cartridge to prevent migration of Counterbalance Setting.

13. Ensure operator and all bystanders are in safe position and not in any pinch points.



AccuSet Hydraulic Block

14. Turn the tractor back on and engage the opener circuit hydraulics.
15. Test the operation of the AccuSet with new ECU. Repairing ECU's within the app may be required.

Note: Always store override harness in storage container.

How NOT to Use the AccuSet Manual Override Harness

1. Do not use this override harness as a permanent solution. Repair ECU as soon as possible.
2. Do not disconnect ECU connectors to install harness while tractor is powered, or hydraulics are on.
3. Do not operate the override rocker switch while bystanders are on or near the drill.
4. Do not pressure wash the rocker switch.
5. Do not operate drill with the rocker switch held in either the raise or lower position.
6. Do not operate Drill with Corrected or Repaired ECU and Counter Balance Valves not restored to original condition.