

Mega Comby Trouble Shooting

Common Check Procedures

- Condition Of Tractor Hydraulics And Electrics
- Wiring On Drawbar Not Broken
- Is There Power To The System?
- Condition Of Plug-Socket Electrical Connection (Flare Contacts In Plug Socket With Small Screwdriver)
- Objects Jammed In Chains Or Chain Thrown Off Sprockets Including Reduction Boxes
- Is The Machine Plugged Into The Correct Electrical Plug On Tractor
- Is The Fuse Working?

Electrical Vs Hydraulic Failure

- Before Undertaking Testing Make Sure That The Tractor Is Running At The Following Specifications
- Dead Head Pressure 2500psi – 3000psi
- Oil Flow 60-80 Litres Per Min

Quick Diagnose

1. Do Hoses Move When Joystick Activated?
(No, Electrical Failure)
(Yes, Hydraulic)
2. Swap Coils On Valve Block Banks
(Yes, But Controls Backwards, Hydraulic Failure)
3. Pressing Overriding Buttons On Valve Spool Ends
(Yes, Electrical) (No, Hydraulic)

Checking The Condition Of Hydraulic Motors

1. Remove Motor Tank Hose (Motor Low Pressure Side)
2. Supply Oil To Motor

Result

Large Oil Flow Without Tractor Working Hard To Supply Oil, Motor Damaged.

Minimal Oil Flow While Tractor Working Hard. Motors Good, Look For Jam Up Of Drive.

Load Cell Fault Finding

- Check For Mechanical Damage To Cells
- Check For Objects Jamming Cells
- Check For Loose Bolts
- Check To See If Machine Has Had Welding Repairs
- Check Wiring
- Check For Water Damage In Junction Box
- Check For Water Damage In Plugs
- Check Head Unit Calibration (See Manual)
- Check To See That Battery Hasn't Been Charged With Power Supply To Head Unit Attached
- For More Information On Checking Load Cells Contact Robertson Manufacturing