Tractor Set-up

- Key in "off" position

- Tractor on jack stands.

- Range in A

- MFWD "off"

- Check that rear wheels can spin freely (no brake drag etc.)

- The Footdeck must be fully installed

- Verify engine idle is set at 950 (+or? 25RPM

- Verify engine full throttle is 2810 (+or ? 25RPM

Procedure: Enter calibration mode

1. Move fuse from F9 to F10 54179\_1.jpg position. (If the original position of the calibration fuse is in the F9 position) Move fuse from F11 to F12 54179\_3.jpg position (If the original position of the calibration fuse is in the F11 position)

2. Start tractor and firmly adjust the throttle lever to the idle position with the operator on seat.

3. Fault light should be on solid.

If on: Go to step 4

If not on:

Verify that the correct fuse has been moved per the steps above.

Test the wiring circuit from the drive controller to the indicator light.

Test the power and ground circuit to the drive controller.

4. Move fuse from F10 to F9 or F12 to F11 position (See links @ step 1).

Calibrate forward pedal potentiometer

5. Fault light will display (.-..) only, wait 5 seconds. If the light remains solid post moving the fuse test the following: Test the frequency of the engine speed sensor per the technical manual. Refer to DTAC solution 61940 if the unit does not have an engine speed sensor and reference DTAC solution 57661.

Isolate and test the wiring (ohms &amp; continuity) from the engine speed sensor or alternator to the drive controller connector.

6. Fully depress forward pedal; hold for 5 seconds then release pedal.

7. Fault light should display (--..) only

If so: Go to step 8

If not test the following:

A. The forward pedal potentiometers voltage range is not within specifications (See DTAC solution 55289).

B. Isolate and test the wiring (ohms &amp; continuity) from the forward pedal potentiometer to the drive controller connector.

Calibrate reverse pedal potentiometer

8. Fully depress reverse pedal; hold for 5 seconds then release pedal.

9. Fault light should display (?) only

If so: Go to step 10

If not test the following:

A. The reverse pedal potentiometers voltage range is not within specifications (See DTAC solution 55289).

B. Isolate and test the wiring (ohms &amp; continuity) from the reverse pedal potentiometer to the drive controller connector.

Calibrate throttle potentiometer

10. Move throttle lever to full throttle and wait 5 seconds. Leave lever at full throttle for the remainder of the procedure.

11. Fault light should display (. - - -) only

If so: Go to step 12

If not test the following:

A. The throttle lever potentiometers voltage range is not within specifications (See DTAC solution 55289).

B. Isolate and test the wiring (ohms &amp; continuity) from the throttle lever potentiometer to the drive controller connector.

C. Review DTAC solution 59600.

Calibrate forward proportional valve threshold

12. Fully depress forward pedal until rear wheel moves slightly and stops.

A. If after 25 seconds there has been no wheel movement, check the following:

Isolate and test the wiring (ohms &amp; continuity) from the forward proportional valve to the drive controller connector.

Verify 12 VDC at the X25 connecter wire number 539 white with the operator on the seat.

Hydraulic charge pressure to hydro per the technical manual.

B. If after 25 seconds the wheels continue to rotate, check the following:

Isolate and test the wiring (ohms &amp; continuity) from the MFWD speed sensor to the drive controller connector.

Replace the (LVU11184) MFWD speed sensor as required. See DTAC solution 57661.

13. Release pedal.

14. Fault light should display (. - - -) only.

Calibrate reverse proportional valve threshold

15. Fully depress reverse pedal until rear wheel moves slightly. If after 25 seconds there has been no wheel movement, check the following:

Isolate and test the wiring (ohms &amp; continuity) from the reverse proportional valve to the drive controller connector.

Test the resistance of the reverse proportional valve coil per the technical manual.

16. Release pedal.

17. No fault light should be displayed.

If so end of procedure.

If not: verify Tractor Set-up and repeat the procedure once more