



JOYSTICK DIAGNOSTIC CHECKLIST

Dealer Name: _____

Customer Name: _____

Dealer Location: _____

Customer Location: _____

Machine Model Number: _____

Machine Serial Number: _____

In Service Date: _____

Machine Hours: _____

Joystick Serial Number: _____

Joystick Part Number (*Please Check One*):

- 2326-024
- 2326-069
- I-1-29-0879
- I-1-29-1215
- I-1-29-1242
- I-1-29-1267
- I-1-29-1441
- I-1-29-1446
- I-1-29-1475

Date Joystick Problem Occurred: _____

Describe The Problem That Occurred: _____

Record Any Error Codes From The TICS Display: _____

Were all connections at joystick inspected for loose pins, damage, etc. and reconnected?

- YES NO

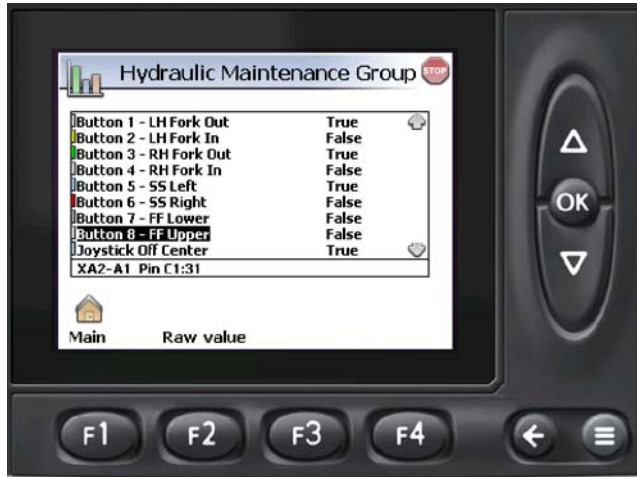
Did replacing the joystick solve the problem? YES NO

If yes, does the problem reoccur when the original joystick is reinstalled? YES NO

Is this a recurring problem on the machine? YES NO

If yes, is the failure mode the same as prior failures ? YES NO

Check all joystick inputs (buttons 1-9, joystick off center, tilt X axis input and lift Y axis input) via the hydraulic maintenance messure group on the TICS display (see screen shot below). The value for buttons 1-9 should show true when the corresponding button is depressed. The joystick off center value should show true when the joystick is moved from its center position along the X or Y axis.

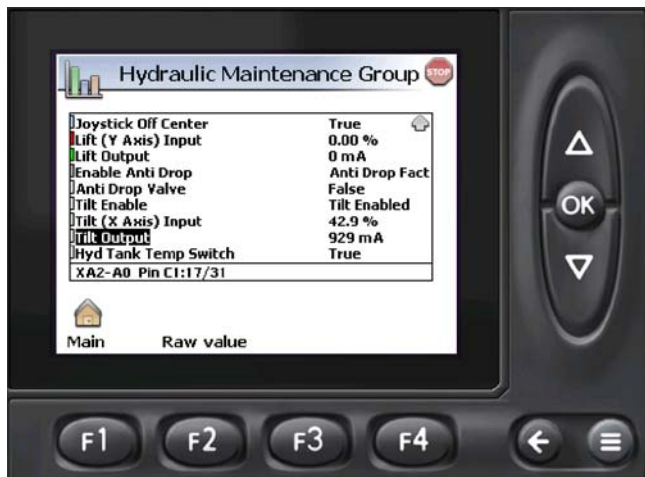


Record the values as shown on the display:

- Depress Button 1 Value is: TRUE FALSE
- Depress Button 2 Value is: TRUE FALSE
- Depress Button 3 Value is: TRUE FALSE
- Depress Button 4 Value is: TRUE FALSE
- Depress Button 5 Value is: TRUE FALSE
- Depress Button 6 Value is: TRUE FALSE
- Depress Button 7 Value is: TRUE FALSE
- Depress Button 8 Value is: TRUE FALSE
- Depress Button 9 Value is: TRUE FALSE

- Fully move the joystick to tilt out position (X Axis). Joystick Off Center Value is: TRUE FALSE
- Fully move the joystick to tilt back position (X Axis). Joystick Off Center Value is: TRUE FALSE
- Fully move the joystick to lift potion (Y Axis). Joystick Off Center Value is: TRUE FALSE
- Fully move the joystick to lower position (Y Axis). Joystick Off Center Value is: TRUE FALSE

Check the X and Y axis inputs by moving the joystick along the corresponding axis. The input value should range from -100% to 100% for each axis when "raw value" is displayed above the F2 button (see screen shot below). The values should range from 450mV-4550mV when "scaled value" is displayed above F2.



Record the values with “raw value” displayed above F2:

Fully move the joystick to tilt out position and record Tilt (X Axis) Input percentage (%): _____

Fully move the joystick to tilt back position and record Tilt (X Axis) Input percentage (%): _____

Fully move the joystick to lift position and record Lift (Y Axis) Input percentage (%): _____

Fully move the joystick to lower position and record Lift (Y Axis) Input percentage (%): _____

Record the values with “scaled value” displayed above F2:

Fully move the joystick to tilt out position and record Tilt (X Axis) Input (mV): _____

Fully move the joystick to tilt back position and record Tilt (X Axis) Input (mV): _____

Fully move the joystick to lift position and record Lift (Y Axis) Input (mV): _____

Fully move the joystick to lower position and record Lift (Y Axis) Input (mV): _____

Comments:

All joystick components submitted for warranty must be accompanied by this form for warranty claim to be valid and a copy must accompany the work order and claim.