1835C
Uni-Loader

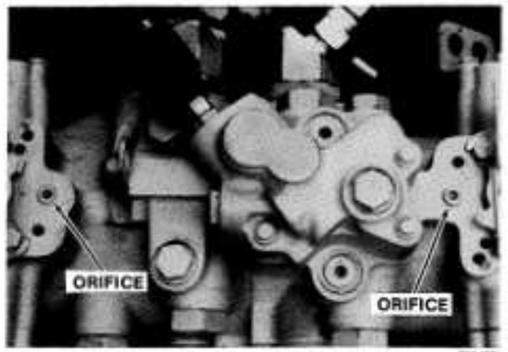
Service Manual

8-69341

MidWestTech | Case 1835C Uni Loader Service Manual | Publication 8-42901

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TROUBLESHOOTING



IMPORTANT: *If one side works correctly and the other side does not, check to see that the orifice for the servo for the side that does not work correctly is open.*

STEP 1
Loosen and remove the plug.

STEP 2
Remove the orifice.

STEP 3
Check to see that the orifice is open.

STEP 4
Install the orifice and plug and tighten the plug.

Test No. 1 - Check Charge Pressure

STEP 5
Loosen completely the knob that holds the seat mounting plate and remove the seat.

STEP 6
Clean the top of the manifold on the piston pumps.

STEP 7
Loosen and remove the plug.

STEP 8
Install an adapter from either pressure test kit shown on page 6002-2. The threads are 9/16 straight thread.

STEP 9
Connect a 0 to 400 psi (2758 kPa/27 bar) pressure gauge to the port.

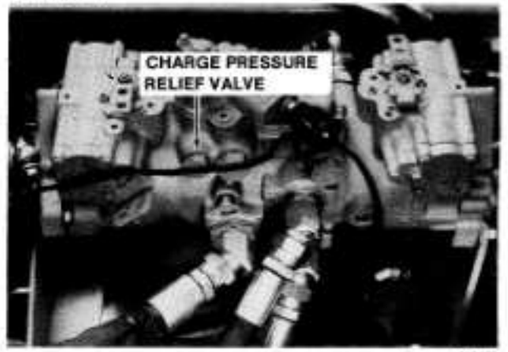
STEP 10
Start the engine and run the engine at full throttle.

STEP 11
Read the pressure gauge.

STEP 12
Decrease the engine speed to low idle and stop the engine.

STEP 13
The reading must not be less than 250 psi (1746 kPa/17 bar).

STEP 14



If the pressure is less than specified:

Remove the parts of the charge pressure relief valve and check for damaged parts. Connect a vacuum pump to the reservoir before removing the parts.

If the parts of the charge pressure relief valve were good, the problem can be in the charging pump, the rotating group in the piston pump or the gerotor in the motor.

Remove the piston pumps and disassemble the charging pump for inspection and repair.

If the charging pump is good, remove the parts of the rotating group for inspection and replace parts as required.

If the part of the rotating group were good, remove and disassemble the motor for inspection of the parts of the gerotor and repair as required.

Test No. 2 - Circuit Relief Valve

WARNING: *You MUST do this test according to the steps that follow to prevent personal injury.* 49-9

STEP 15
Raise the wheels off the floor and use blocks to hold the machine in place.

STEP 16
Raise the operator protection bars.

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