SERVICE MANUAL

T8.275 / T8.300 / T8.330 / T8.360 / T8.390

Tractor

PIN ZBRC07000 and after

Part number 47386189
English
October 2012

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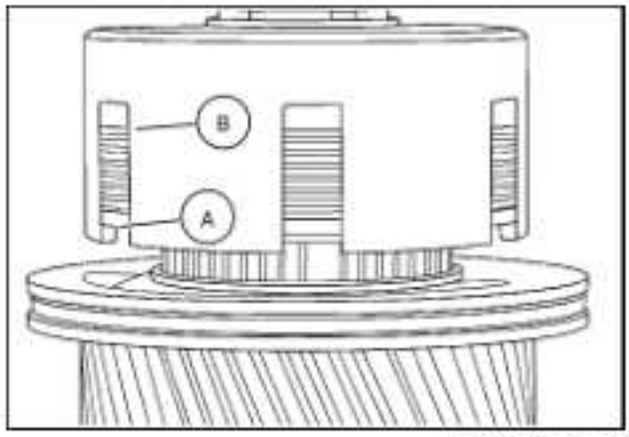
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51. Measure the gap between the backing plate and the retaining ring **(A)**. Measure in two places **180 °** apart. The gap should be a minimum of **0.3 mm** (**0.012 in**). Measure the gap between the steel separator plate and the piston **(B)**. Measure in two places **180 °** apart. The gap should be a minimum of **1.5 mm** (**0.059 in**).
    - If the gap between the steel separator plate and the piston **(B)** does not meet minimum dimensions, the **3.5 mm** (**0.138 in**) brake pusher plate was installed in Step **34** and not replaced in Step **45**; therefore,
    - Replace the **3.5 mm** (**0.138 in**) plate with the **3.0 mm** (**0.118 in**) thick brake pusher plate **87366284**.



RCPHETCCHW88ABC 50

Next operation:
Power Take-Off (PTO) clutch - Install (31.114)

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Wire harnesses - Electrical schematic frame 07 - Starting/charging system

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Connector **X-010**	To main chassis harness
Connector **X-077**	Alternator to battery
Connector **X-079** X-079	Starter motor ground
Connector **X-082**	Intermediate start relay
Connector **X-083**	To starter solenoid
Connector **X-084**	Starter motor ground
Connector **X-085**	Alternator W - engine speed
Connector **X-086**	Alternator D+ - excite
Connector **X-161**	Ignition switch
Connector **X-239**	Cab power relay — ignition feed
Connector **X-240**	Cab power relay — unswitched B+
Connector **X-264**	Governor key switch relay #11
Connector **X-266A**	Ignition diode
Connector **X-266B**	Ignition diode
Connector **X-279**	Cab power relay - ground
Connector **X-392**	To alternator harness
1	Frame ground

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4123-Rear remote no. 2 - manually operated

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NOTE: *When the cause of the error code has been rectified, clear the error code and test the system for normal operation.*

Cause:
See above.

Possible failure modes:

1. Remote valve manually operated
2. Faulty EHR valve

Solution:

1. Check for other active EHR error code(s).

   Make a note of the error code(s), clear the error code(s) and test the system for normal operation.

   A. Fault code does not re-display. Return unit to field operation and monitor.

   B. Fault codes re-displays. Continue to step **2**.
2. Calibrate the EHR lever.

   Perform the EHR lever calibration procedure and test the system for normal operation.

   A. System performs normally: fault code does not re-display. Return unit to field operation.

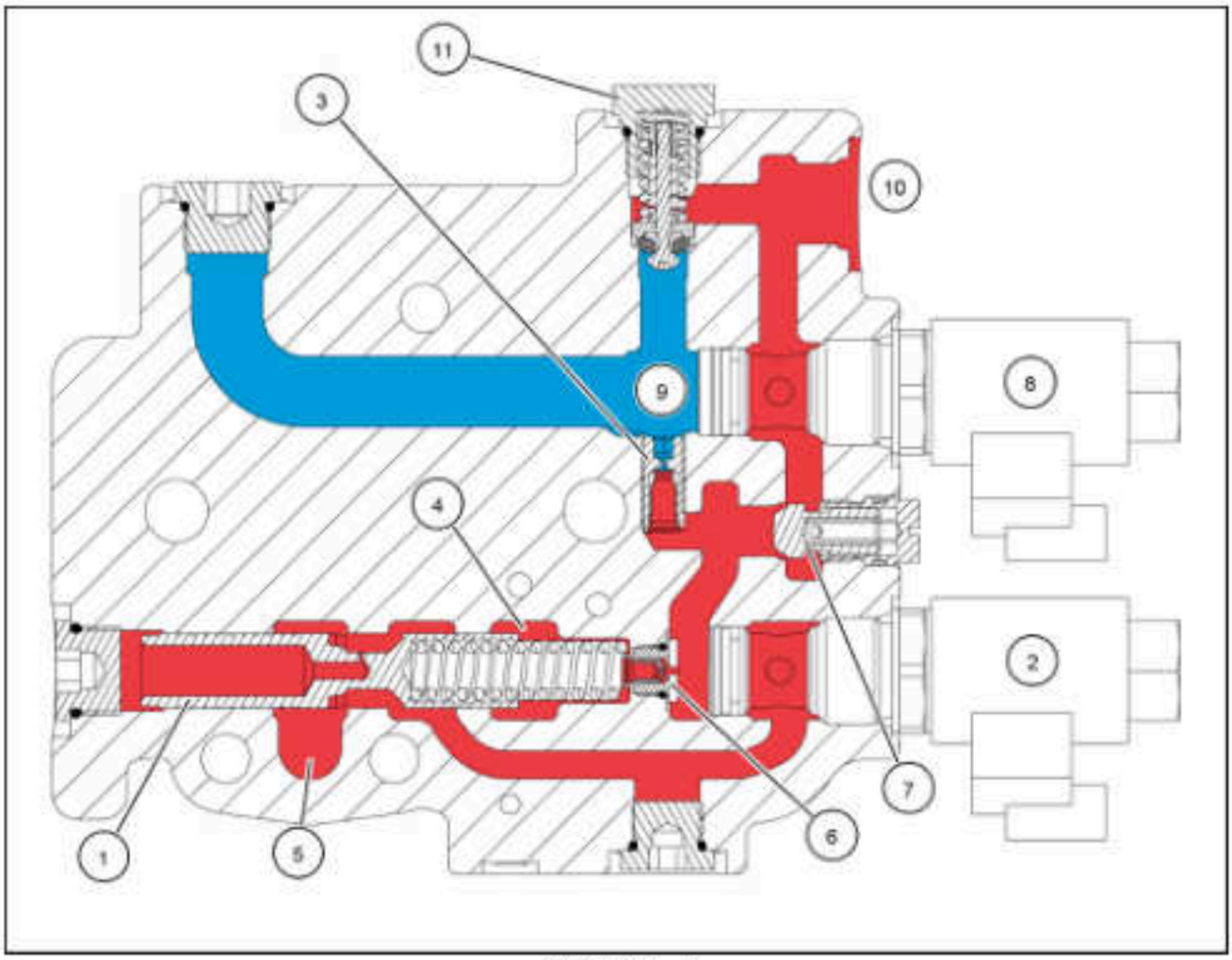
   B. Fault codes re-displays. Continue to step **3**.
3. Download the correct level of software into the EHR valve and configure the EHR valve.

   Test valve operation.

   A. Fault code does not re-display. Return unit to field operation.

   B. Fault code re-displays. Install and configure a new EHR valve section.

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RCIL08CCH014GAE 7

Raise position

PFC pump pressure	Return to tank pressure
Trapped oil	
1. Flow control spool	7. Load check
2. Raise solenoid	8. Lower solenoid
3. Screened orifice plug	9. Return to tank
4. Pilot signal to compensator	10. Hitch cylinders
5. PFC pump supply	11. Relief valve
6. Check/orifice plug	

Lowering function

To lower the hitch, the lower proportional solenoid valve must be energized by the tractor control unit (TCU). The amount of spool movement depends on the amount of current supplied by the controller to the proportional solenoid. Once the lower solenoid is energized, the solenoid valve shifts, opening a flow path directly back to tank.

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Hydraulic systems - Hydraulic schematic frame 01

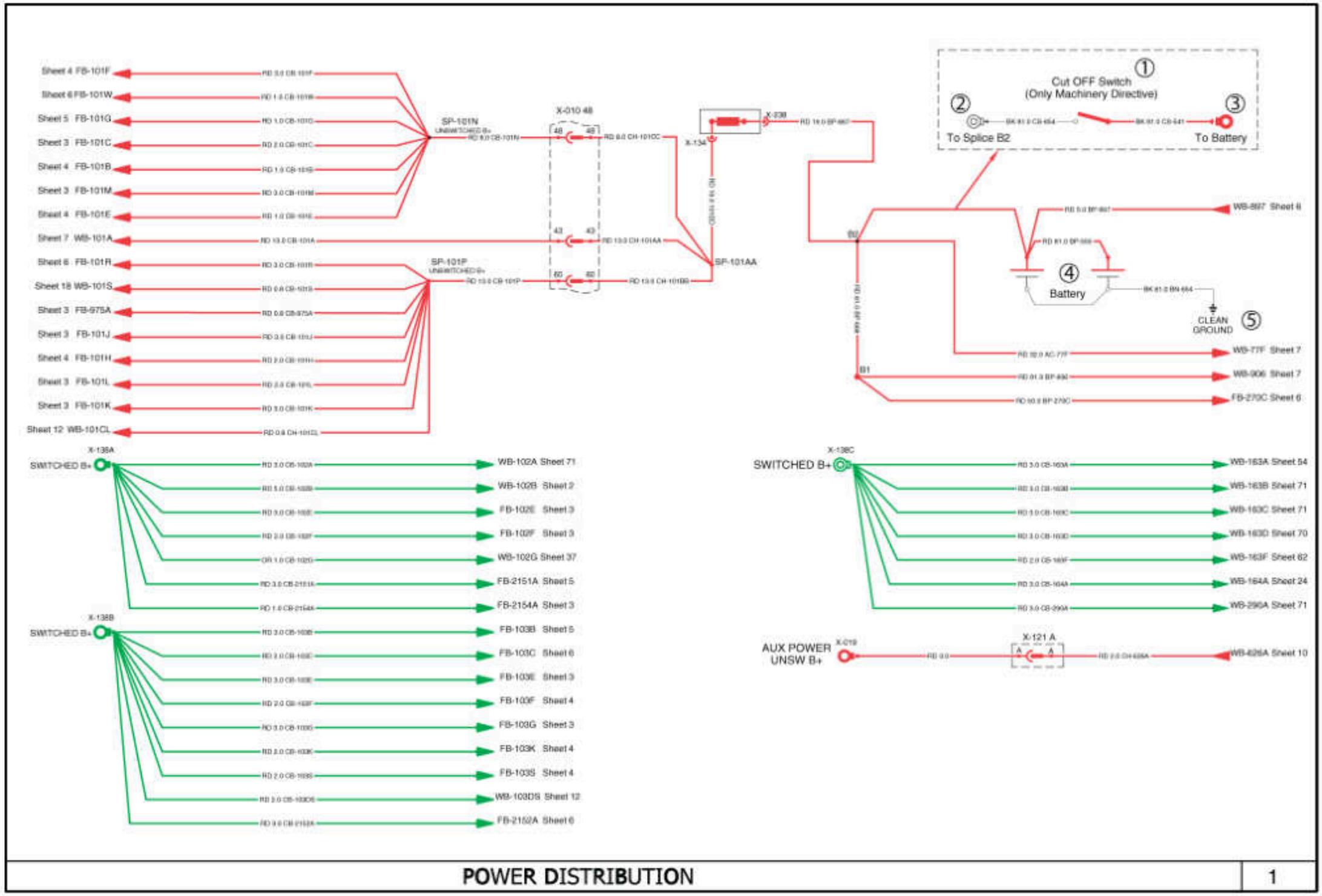
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Hydraulic schematic 84414791

	PFC PISTON PUMP
	CHARGE LUBE/LUBE PUMP FLOW
	REGULATED CIRCUIT PRESSURE
	RETURN TO TANK/SUMP
	OIL COOLER/FILTRATION, AUX CHARGE PUMP FLOW

1. Remote section	31. Transmission control valves
2. Load sense diagnostic	32. Park clutch
3. Pilot/hitch drain	33. Inlet regulator
4. Pilot supply	34. Priority regulator valve
5. Return	35. Thermal bypass valve
6. Supply	36. Oil cooler
7. Hitch valve	37. Lube regulator
8. Category 4 hitch	38. Piston pump
9. Hitch cylinders	39. Filter
10. Return	40. PTO lube
11. Supply	41. Odd/even lube
12. Signal	42. Drop box lube
13. Case drain	43. Creep drive lube
14. Power beyond	44. Master clutch lube
15. PTO/differential lock valve	45. Right brake/differential lube
16. PTO clutch/brake	46. MFD/range lube
17. Differential lock clutch	47. Left brake/differential lube
18. Bevel pinion lube	48. To park brake valve
19. Lube supply	49. Service brake
20. MFD clutch	50. Master clutch
21. Low clutch	51. Inlet
22. Medium clutch	52. Master clutch inching valve
23. Hitch clutch	53. Park/emergency brake
24. Reverse clutch	54. Brake release pump
25. Fifth clutch	55. Steering hand pump
26. Third clutch	56. Steering cylinders
27. First clutch	57. Bypass valve
28. Even clutch	58. Brake valve
29. Odd clutch	59. NOTE: Switch is opened when pedal reaches full stroke when hydraulic power is lost.
30. Creeper clutch	

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