SERVICE MANUAL

T8.275 / T8.300 / T8.330 / T8.360 / T8.390 (PST)

Tractor

PIN ZCRC02583 and above

Part number 47533607
English
May 2013

NEW HOLLAND AGRICULTURE

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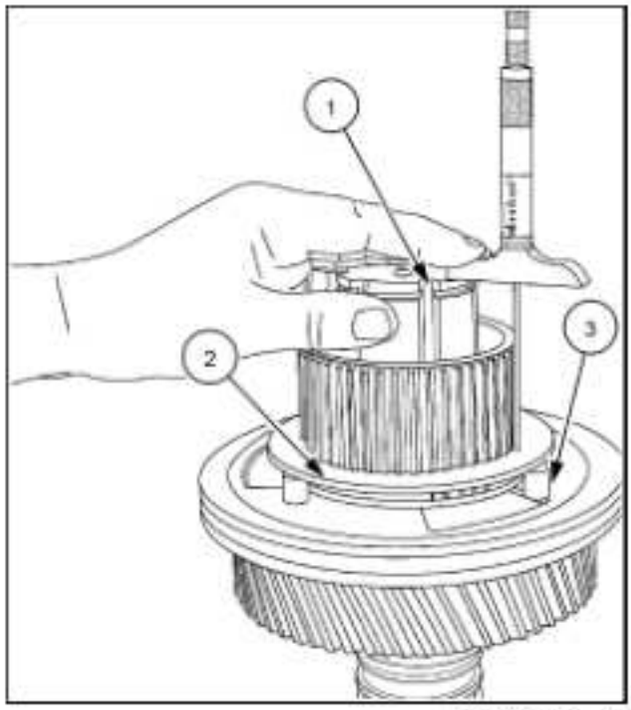
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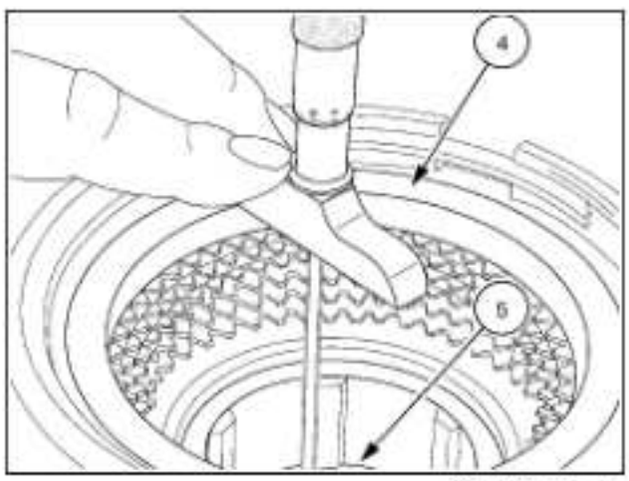
45. With a depth micrometer, measure the distance from the top of the hub **(1)** to the top of the pusher plate **(2)** at each pin **(3)**. Average the three measurements. Record this measurement as dimension "A."



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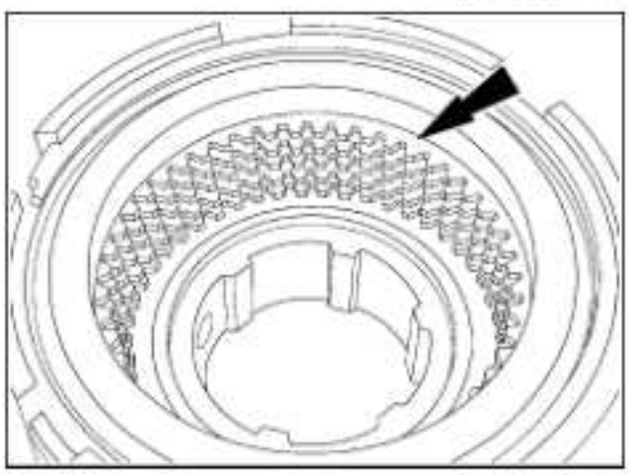
46. With a depth micrometer, measure the distance from the top surface of the backing plate **(4)** to the bottom of the can hub **(5)** at three locations. Average these three measurements. Record this measurement as dimension "B."

- If dimension "A" minus dimension "B" is less than or equal to **11.235 mm** (**0.442 in**), proceed to the next step.
- If dimension "A" minus dimension "B" is greater than **11.235 mm** (**0.442 in**), remove the **3.5 mm** (**0.138 in**) brake pusher plate installed in Step **34** and replace with **3 mm** (**0.118 in**) brake pusher plate **87366284**.



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47. Align the teeth of the friction plates as shown.

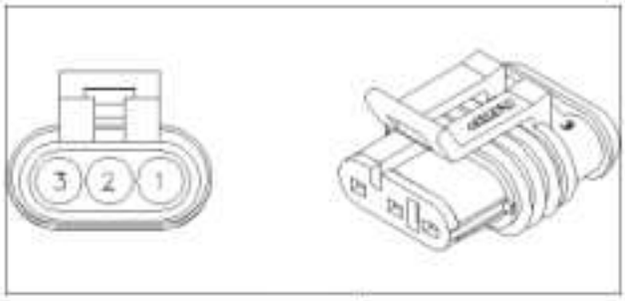


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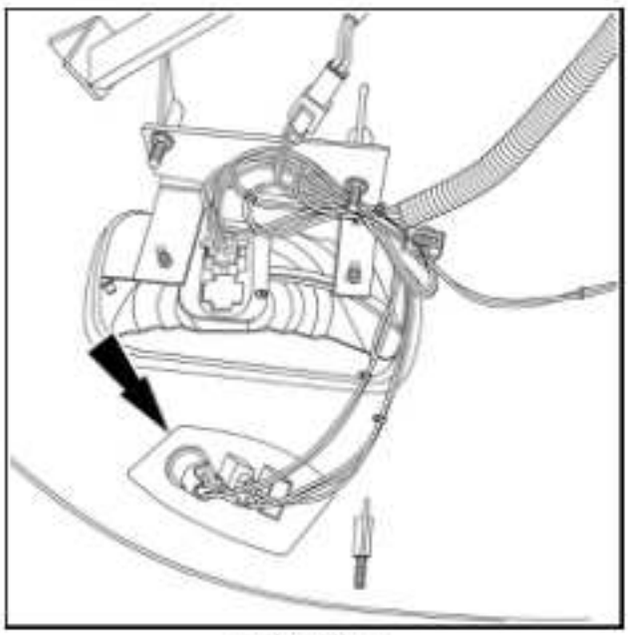
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CONNECTOR X-402 - TO REMOTE PTO SWITCH

CONNECTOR X-402 - TO REMOTE PTO SWITCH			
PIN NUMBER	**WIRE NUMBER**	**CIRCUIT REFERENCE**	**ELECTRICAL SCHEMATIC FRAME**
1	457B (YE)	MODE SWITCH INPUT	
2	453B (YE)	REMOTE PTO NC	
3	455B (BL)	REMOTE PTO NO	



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RAL127R0570AA 8

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4217-Rear remote no. 2 - spool not calibrated

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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.*

Possible failure modes:

1. EHR valve not calibrated
2. Faulty controller

Solution:

1. Calibrate the remote valve.

   Test valve operation.

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

   B. Fault code re-displays. Continue with step **2**.
2. Repeat EHR valve calibration and test valve operation.

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

   B. Fault code re-displays. Continue with step **3**.
3. Download the correct level of software.

   Repeat EHR valve and test valve operation.

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

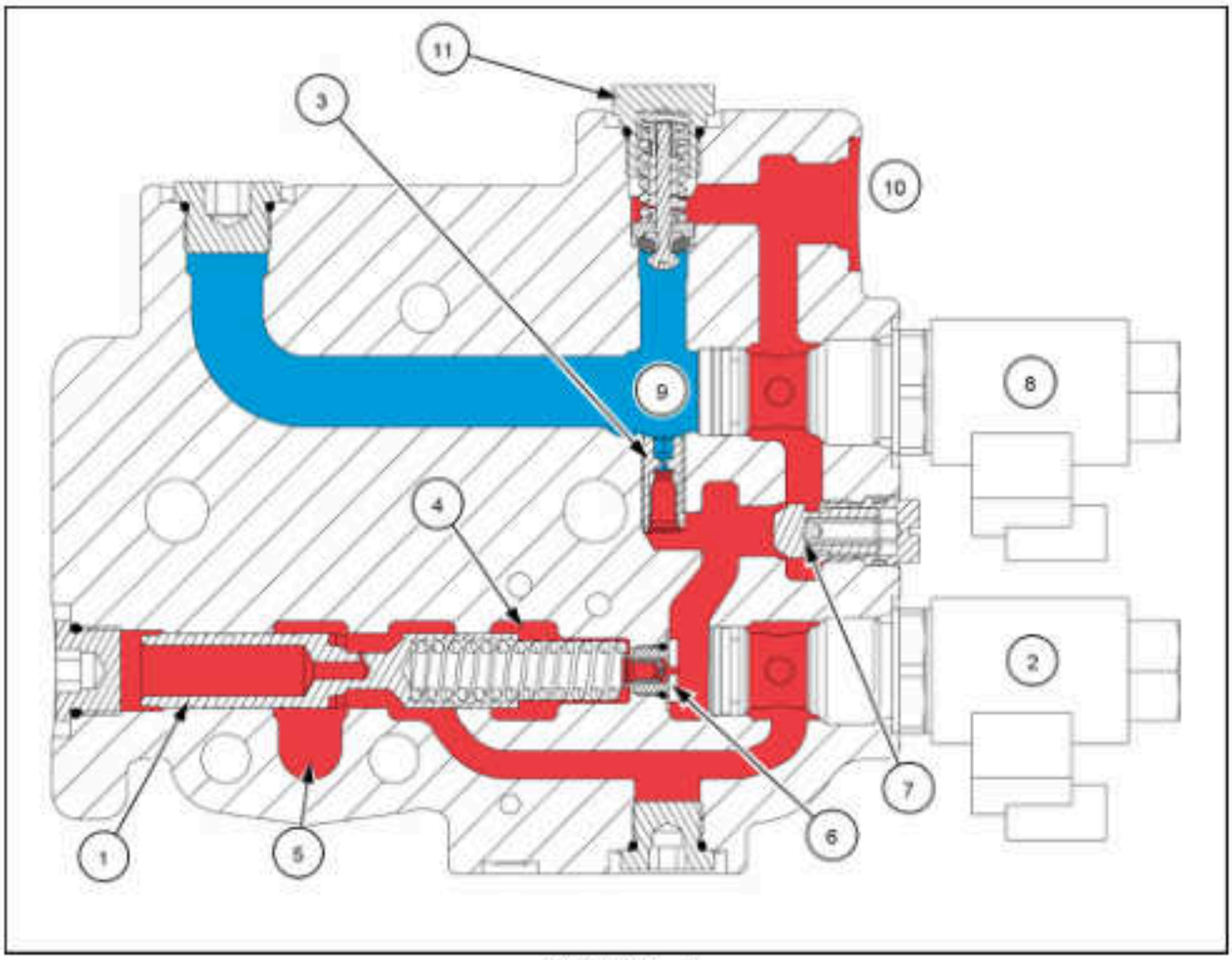
   B. Fault code re-displays. Continue with step **4**.
4. Replace the tractor control unit (TCU).

   Test valve operation.

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

   B. Fault code re-displays. Reinstall the original controller. Submit a concern to ASIST.

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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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Wire harnesses - Electrical schematic frame 93 - Color legends and abbreviations

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Color legend

	INDICATES CONSTANT POWER
	INDICATES POWER WHEN THE KEY SWITCH IS ON
	INDICATES POWER WHEN THE KEY SWITCH IS IN THE START POSITION
	INDICATES 24V CIRCUIT

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Hydraulic schematic 47513532 — Sheet 2— Power shift Transmission.

	PFC PISTON PUMP
	REGULATED CIRCUIT PUMP
	CHARGE /LUBE PUMP FLOW
	RETURN TO TANK/SUMP
	OIL COOLER / FILTRATION AUX. CHARGE PUMP FLOW
	TWIN FLOW PUMP MEGA FLOW PUMP
1. REMOTE SECTION	32. PARK CLUTCH
2. LOAD SENSE DIAGNOSTIC	33. INLET BRAKE VALVE
3. PILOT / HITCH DRAIN	34. PRIORITY REGULATOR VALVE
4. PILOT SUPPLY	35. THERMAL BYPASS VALVE
5. RETURN	36. OIL COOLER
6. SUPPLY	37. LUBE REGULATOR
7. HITCH VALVE	38. PRESSURE AND FLOW COMPENSATED (PFC) PISTON PUMP
8. NOT USED	39. FILTER
9. HITCH CYLINDERS	40. PTO CLUTCH LUBE
10. RETURN	41. ODD / EVEN LUBE
11. SUPPLY	42. DROP BOX LUBE
12. SIGNAL	43. CREEP DRIVE LUBE
13. CASE DRAIN	44. MASTER CLUTCH LUBE
14. POWER BEYOND MANIFOLD (OPTIONAL)	45. RIGHT BRAKE / DIFFERENTIAL LUBE
15. PTO / DIFFERENTIAL LOCK VALVE	46. MFD / RANGE LUBE
16. PTO CLUTCH / BRAKE	47. LEFT BRAKE / DIFFERENTIAL LUBE
17. DIFFERENTIAL LOCK CLUTCH	48. TO PARK BRAKE VALVE SOLENOID
18. BEVEL PINION LUBE	49. SERVICE BRAKE
19. LUBE SUPPLY	50. MASTER CLUTCH
20. MFD CLUTCH	51. INLET
21. LOW CLUTCH	52. MASTER CLUTCH INCHING VALVE
22. MEDIUM CLUTCH	53. PARK / EMERGENCY BRAKE
23. HIGH CLUTCH	54. BRAKE RELEASE PUMP
24. REVERSE CLUTCH	55. STEERING HAND PUMP
25. FIFTH CLUTCH	56. STEERING CYLINDERS
26. THIRD CLUTCH	57. BYPASS VALVE
27. FIRST CLUTCH	58. BRAKE VALVE
28. EVEN CLUTCH	59. NOTE: SWITCH IS OPENED WHEN PEDAL REACHES FULL STROKE WHEN HYDRAULIC POWER IS LOST
29. ODD CLUTCH	60. ACCUMULATOR
30. CREEPER CLUTCH	61. TWIN FLOW PUMP MEGA FLOW PUMP
31. TRANSMISSION CONTROL VALVES	62. TWIN FLOW MANIFOLD PLUGS MEGA FLOW MANIFOLD PLUGS

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