SERVICE MANUAL

T8.275 / T8.300 / T8.330 / T8.360 / T8.390 / T8.420 Continuously Variable Transmission (CVT)

Tractor

PIN ZCRC02586 and above

Part number 47533593
2nd edition English
October 2013

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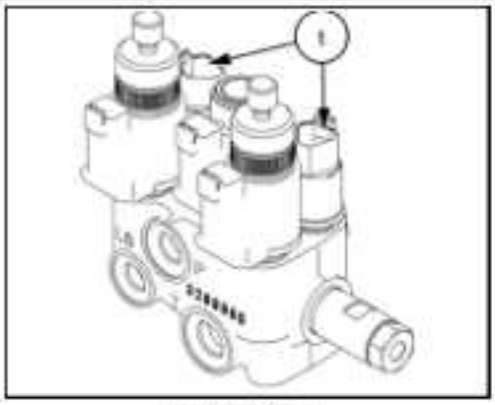
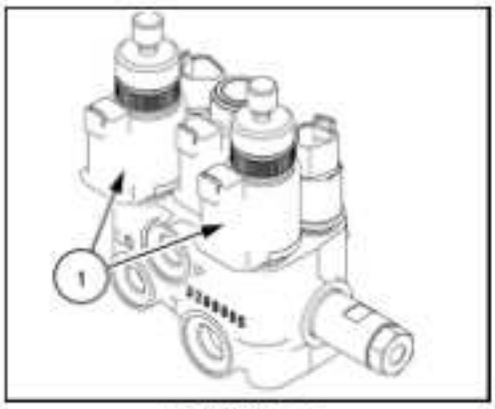
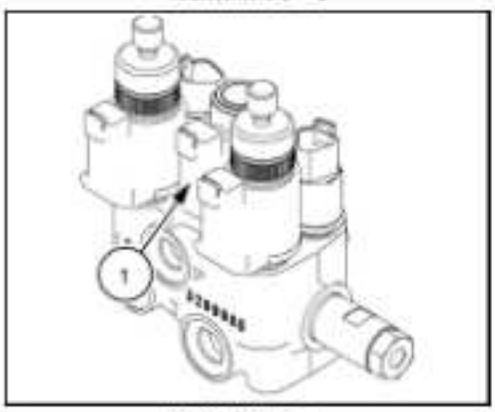
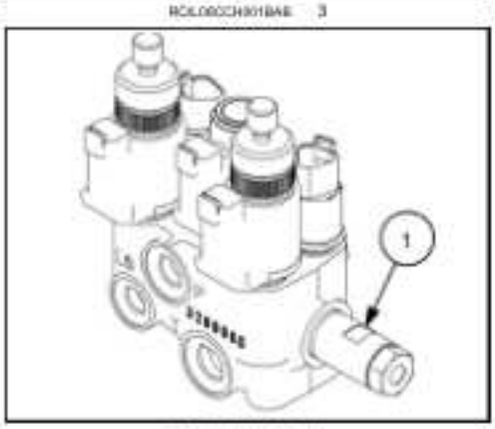
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Suspended axle control valve - Torque

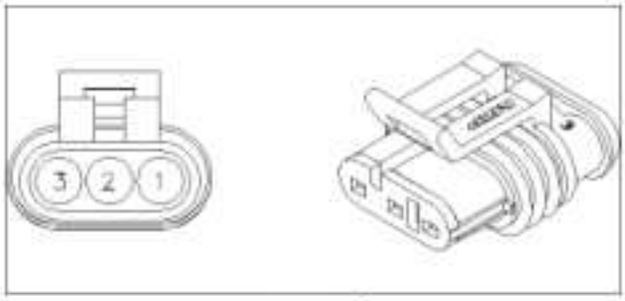
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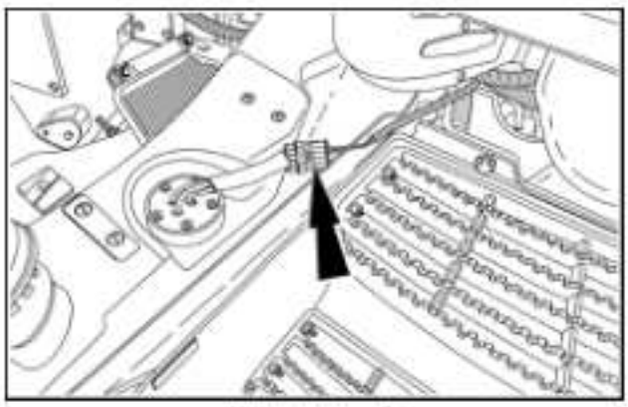
Component	N·m	Identification	lb-ft/lb-in
Pressure transducer (1).	20 Nm	 RCIL09CCH301BAB 1	14.8 lb ft
Cartridge solenoid valves (1).	25 - 30 Nm	 RCIL09CCH301BAB 2	18.8 - 22 lb ft
Cartridge solenoid valve (1).	25 - 30 Nm	 RCIL09CCH301BAB 3	18.8 - 22 lb ft
Relief valve (1).	25 - 30 Nm	 RCIL09CCH301BAB 4	18.8 - 22 lb ft

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CONNECTOR X-1009 - REDUCTION AGENT TANK SENSOR

CONNECTOR X-1009 - REDUCTION AGENT TANK SENSOR			
PIN NUMBER	**WIRE NUMBER**	**CIRCUIT REFERENCE**	**ELECTRICAL SCHEMATIC FRAME**
1	882A (YE)	TANK LEVEL SIGNAL	
2	882B (BL)	TANK SIGNAL GND	
3	890A (YE)	TANK TEMP SIGNAL	





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4109-Rear remote no.1 - manually operated

T8.275 [ZCRC02583 -] Full Powershift Transmission, T8.300 [ZCRC02583 -] Full Powershift Transmission, T8.330 [ZCRC02583 -] Full Powershift Transmission, T8.360 [ZCRC02583 -] Full Powershift Transmission, T8.390 [ZCRC02583 -] Full Powershift Transmission

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.

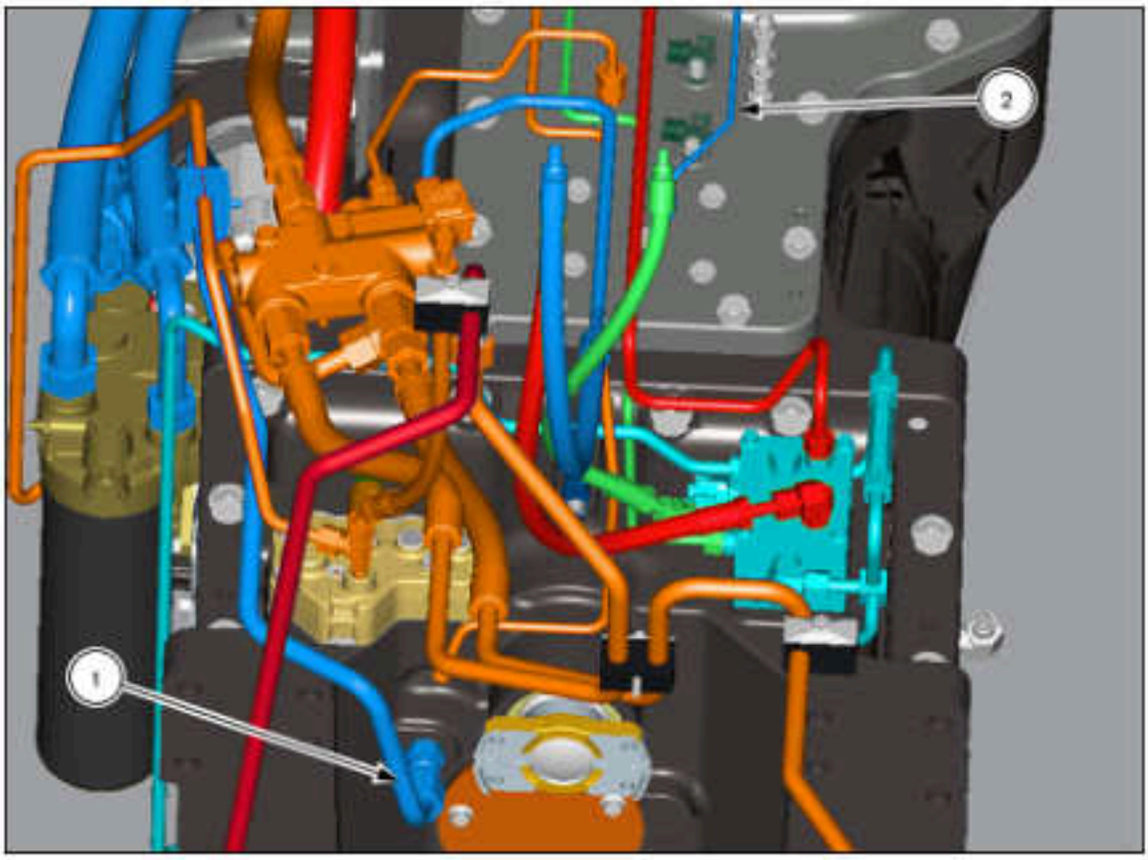
   B. Fault codes re-displays. Continue to step **3**.
3. Download the correct level of software into the EHR valve and configure the EHR valve.

   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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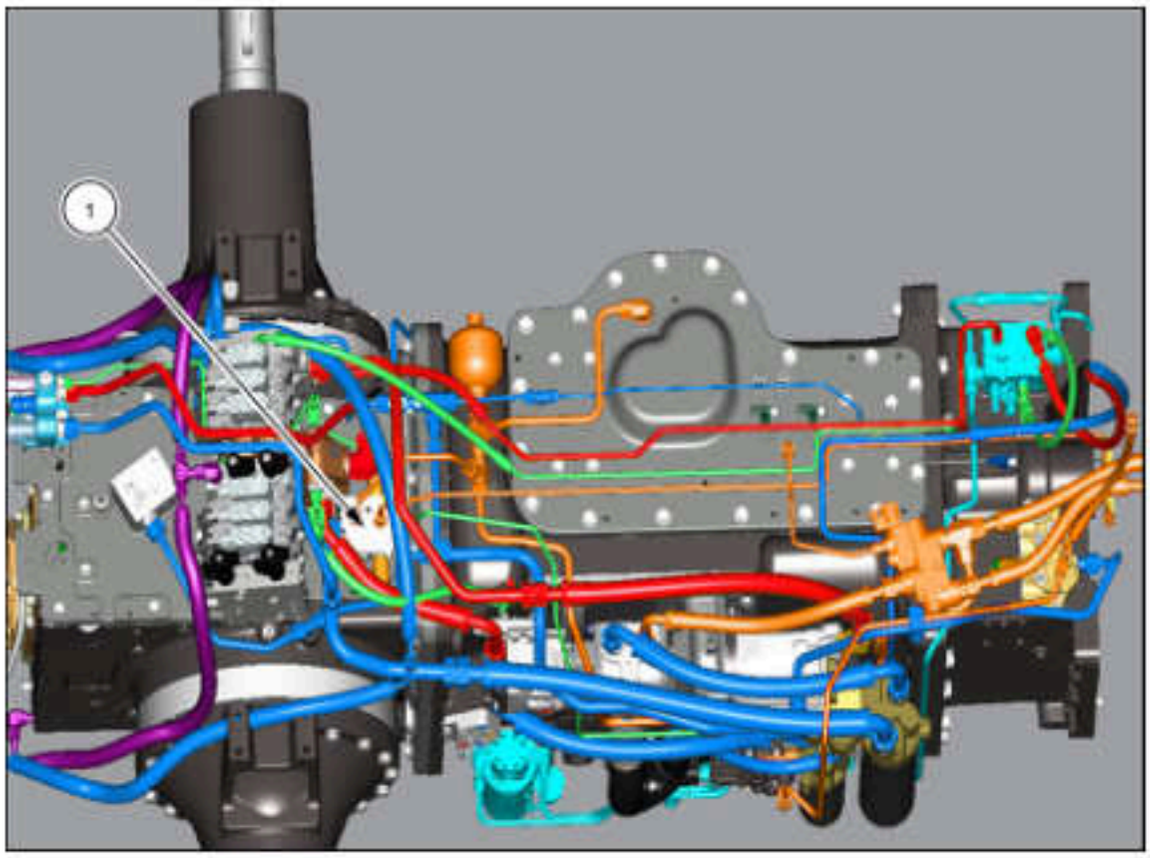
RAIL13TR30668FA 2

1. Front cover lube line	2. Front CVT hydro bearing lube

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Power Take-Off (PTO) control valve - Dynamic description

The PTO/diff lock valve is located on top of the rear frame housing. The PTO/diff lock valve controls the PTO and diff lock operation. The PTO/diff lock valve also controls and distributes lube flow.



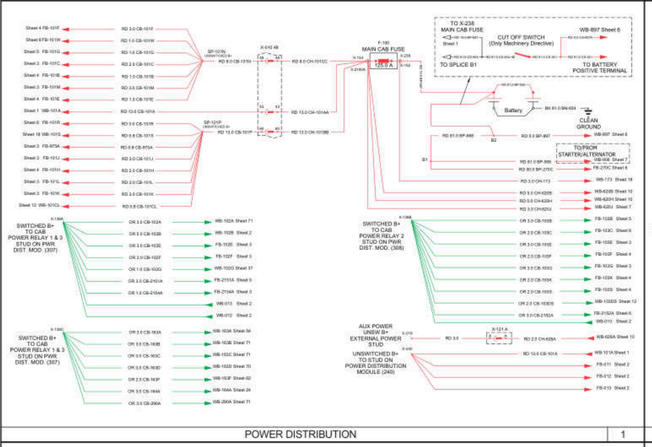
RAIL1STR30652PA 1

1. PTO/diff lock valve	

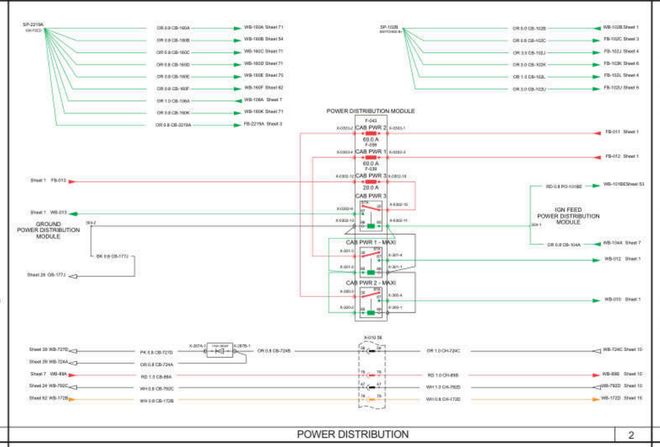
The regulated pressure circuit supplies the PTO and diff lock functions. The regulated supply to both the PTO and diff lock is limited to **22.4 - 24.5 bar** (**325 - 355 psi**). The supply to the PTO clutch and diff lock are internally ported through the rear frame assembly.

The charge/lube circuit supplies the lube portion of the valve. The lube points include the diff lock, pinion, front and rear hydro bearings and service brakes. The amount of lube to the left and right brakes is controlled through the lube solenoid valve. The lube solenoid minimizes lube to brakes, when the brakes are not applied. Once the brakes are applied a signal from brake pedal switch, energizes the lube solenoid. The lube pressure is directed to the base of the lube spool. As pressure builds the spool shifts up increasing the lube flow to the brakes.

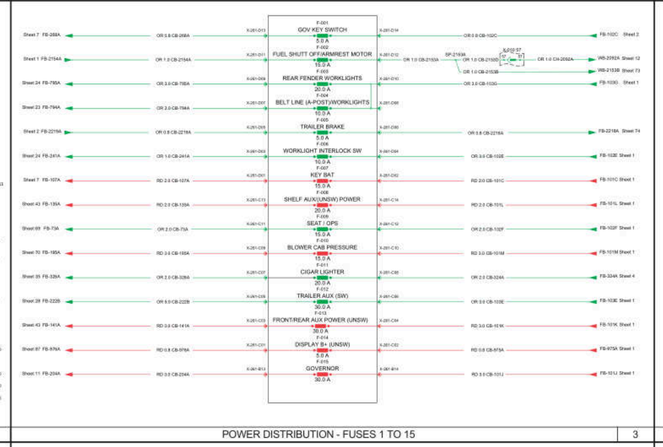
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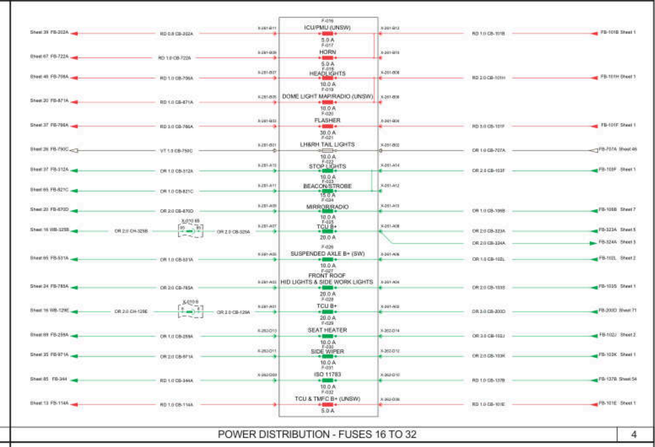
POWER DISTRIBUTION | 1



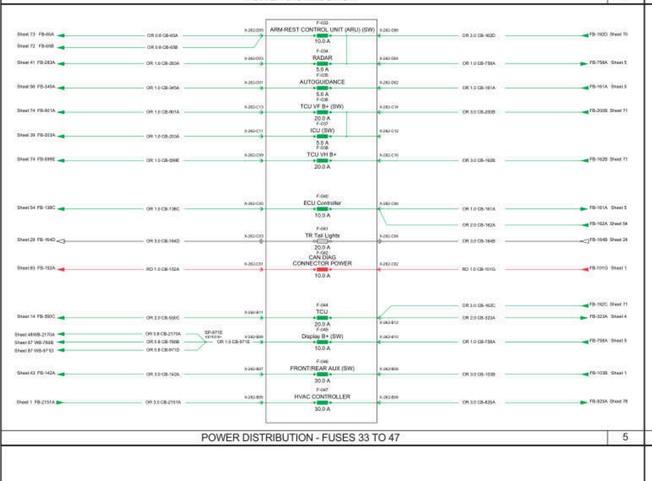
POWER DISTRIBUTION | 2



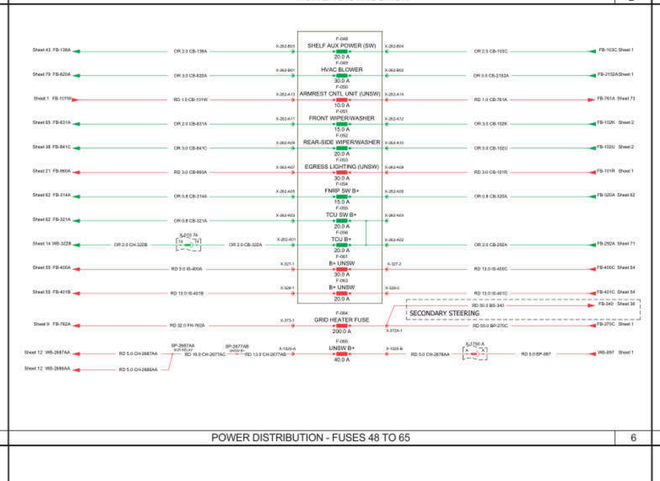
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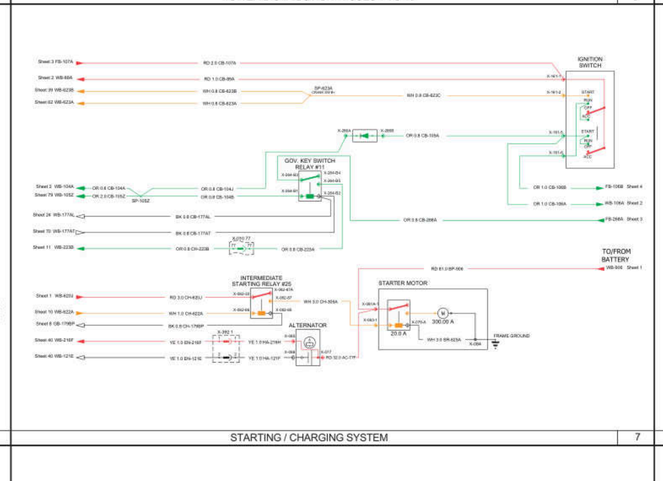
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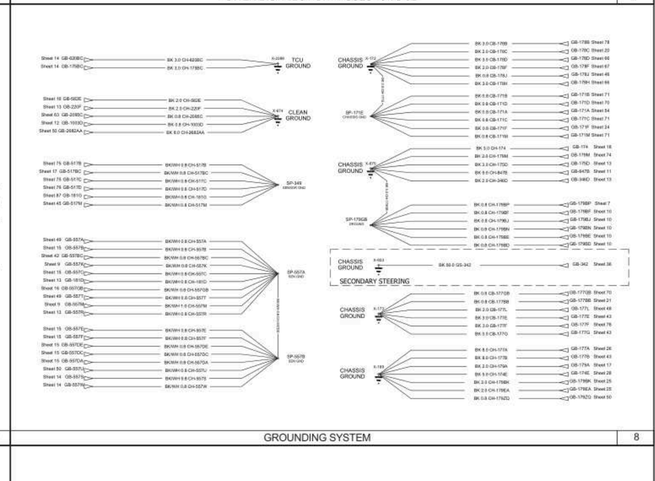
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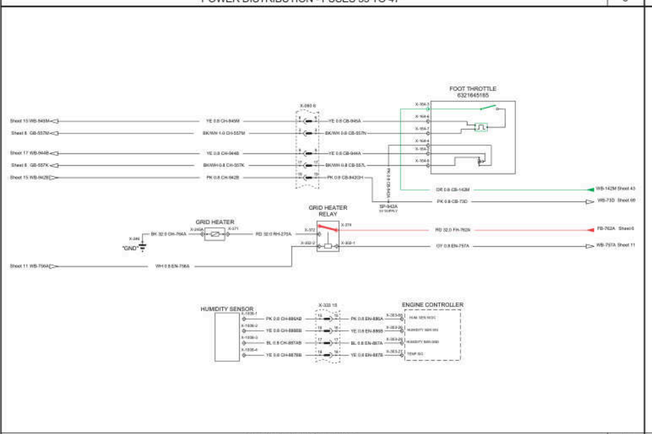
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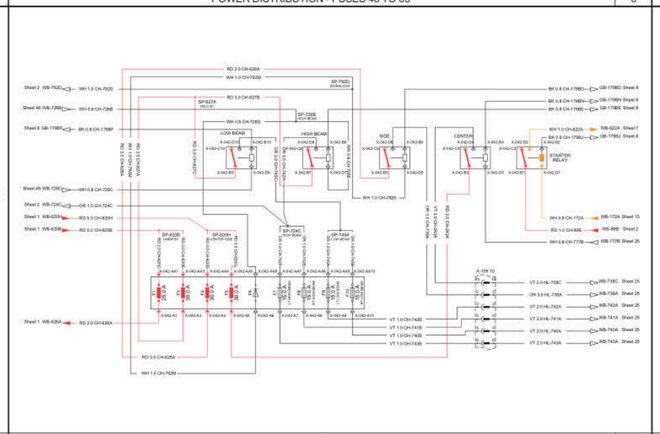
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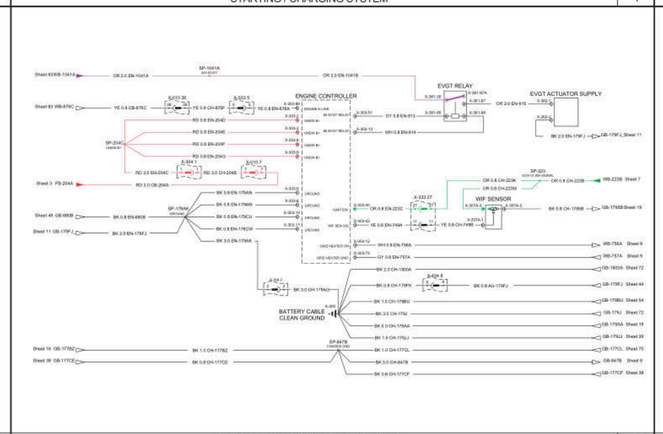
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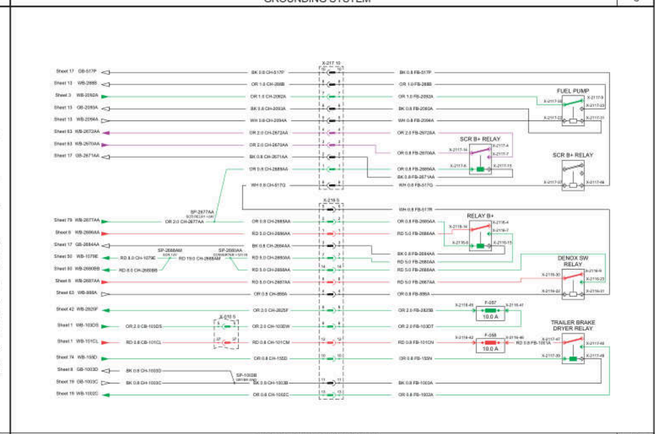
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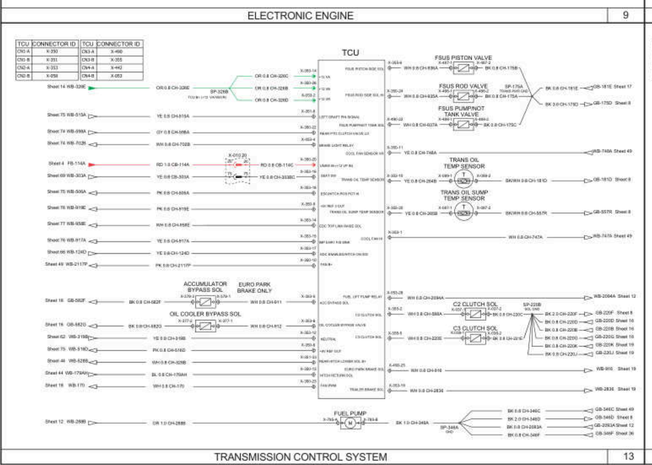
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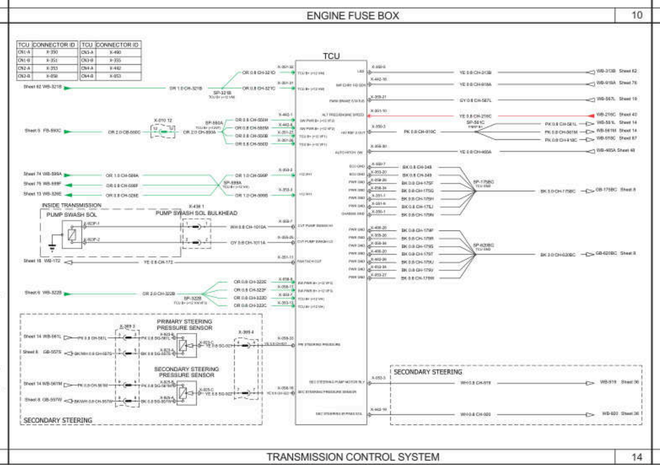
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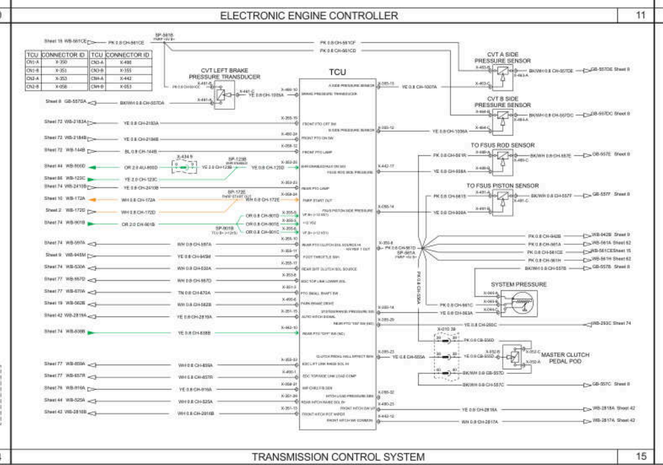
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T8.275, T8.300, T8.330, T8.360, T8.390 AND T8.420 TRACTOR SERIES WITH AUTO COMMAND TRANSMISSION ELECTRICAL SCHEMATIC RAC 47451826

LEGEND

INDICATES CONSTANT POWER

INDICATES POWER WHEN KEY SWITCH IS ON

INDICATES POWER WHEN KEY SWITCH IS IN START POSITION

INDICATES 24 VOLT CIRCUIT

RAC47451826S1S1

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