SERVICE MANUAL

T8.320 / T8.350 / T8.380 / T8.410 / T8.435 / T8.380 SmartTrax™ / T8.410 SmartTrax™ / T8.435 SmartTrax™

Continuously Variable Transmission (CVT)

Tractor

PIN ZERE08100 and above

Part number 47748117
1st edition English
November 2014

MidWestTech | New Holland T8.320, T8.350, T8.380, T8.410, T8.435 SmartTrax CVT Tractor Service Manual | Publication 47748119

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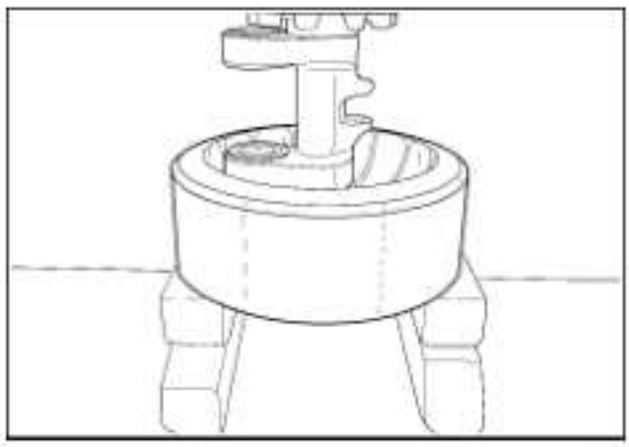
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Track pivot - Disassemble

T8.380 SmartTrax™ 696110777 CVT TIER 4B [ZERE08100 -]	NA
T8.410 SmartTrax™ 696110787 CVT TIER 4B [ZERE08100 -]	NA
T8.435 SmartTrax™ 696110797 CVT TIER 4B [ZERE08100 -]	NA

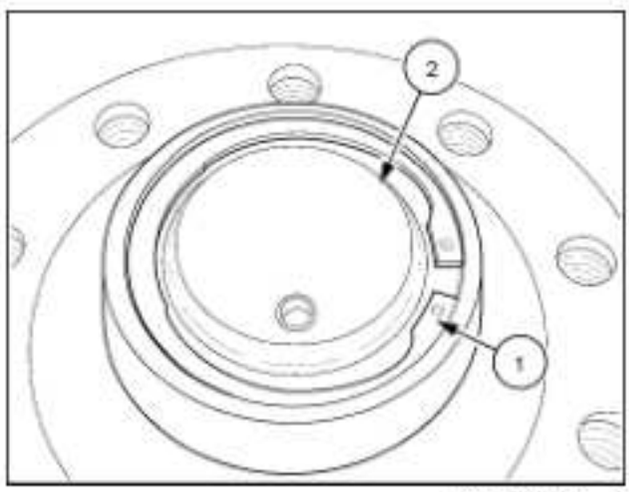
Prior operation:
Track pivot - Remove (48.130)

1. Place the pivot axle assembly on two **150 mm** (**6 in**) x **150 mm** (**6 in**) x **400 mm** (**16 in**) or larger blocks to allow access to the inner idler wheel hub.



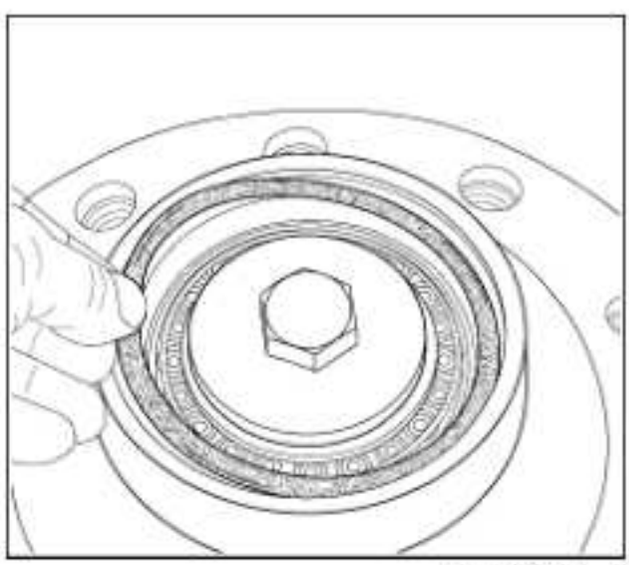
RCPH13PW0270BAC 1

2. Remove the internal snap ring **(1)** from the hub cover **(2)**.
3. Remove the hub cover.



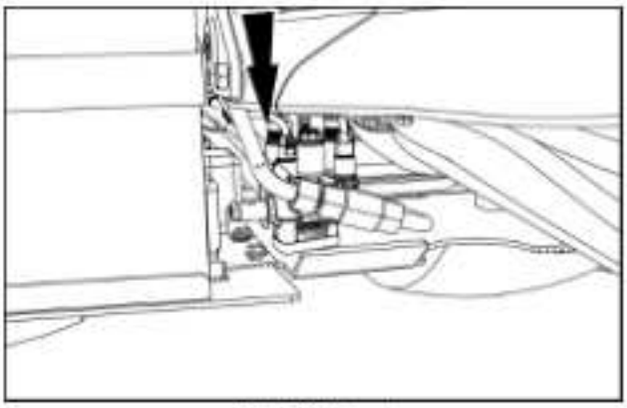
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4. Remove the O-ring seal.

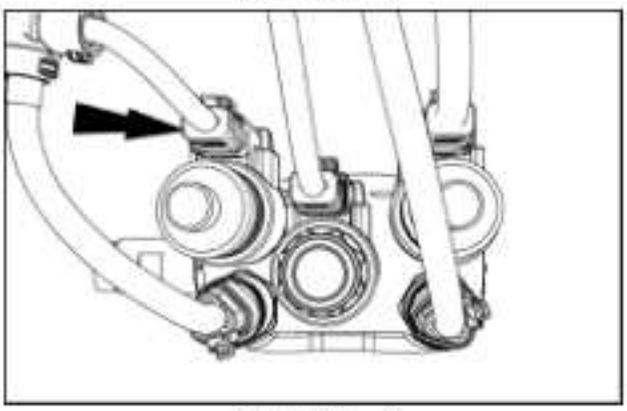


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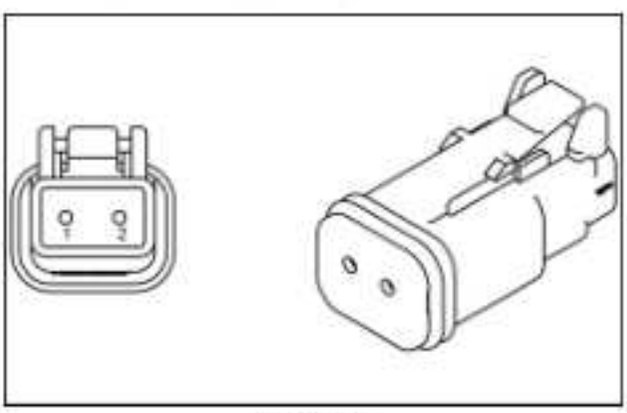
RAIL14TR00751AA 6



RAIL14TR00752AA 7

Pin	From	Wire	Description	Color-Size	Frame
1	**X-028 (Female) pin 3** TO OUTSIDE CAB HARNESS	SV-936A	SUS PISTON VALVE	WH - 0.8	**Wiring harnesses - Electrical schematic sheet 15 - Transmission, sensors, front suspension (55.100)**
2	SP-176A-P-X	SV-176B	SUS PISTON VALVE	BK - 0.8	

X-488 - SUS PUMP/NOT TANK VALVE (87695582) (Female)



87695582 8

87695582

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A. Error code does not redisplay. Return unit to field operation.

B. Error code redisplays. Continue to step **6**.

6. Swap the pilot head causing the error with another pilot head.

   Retest system operation.

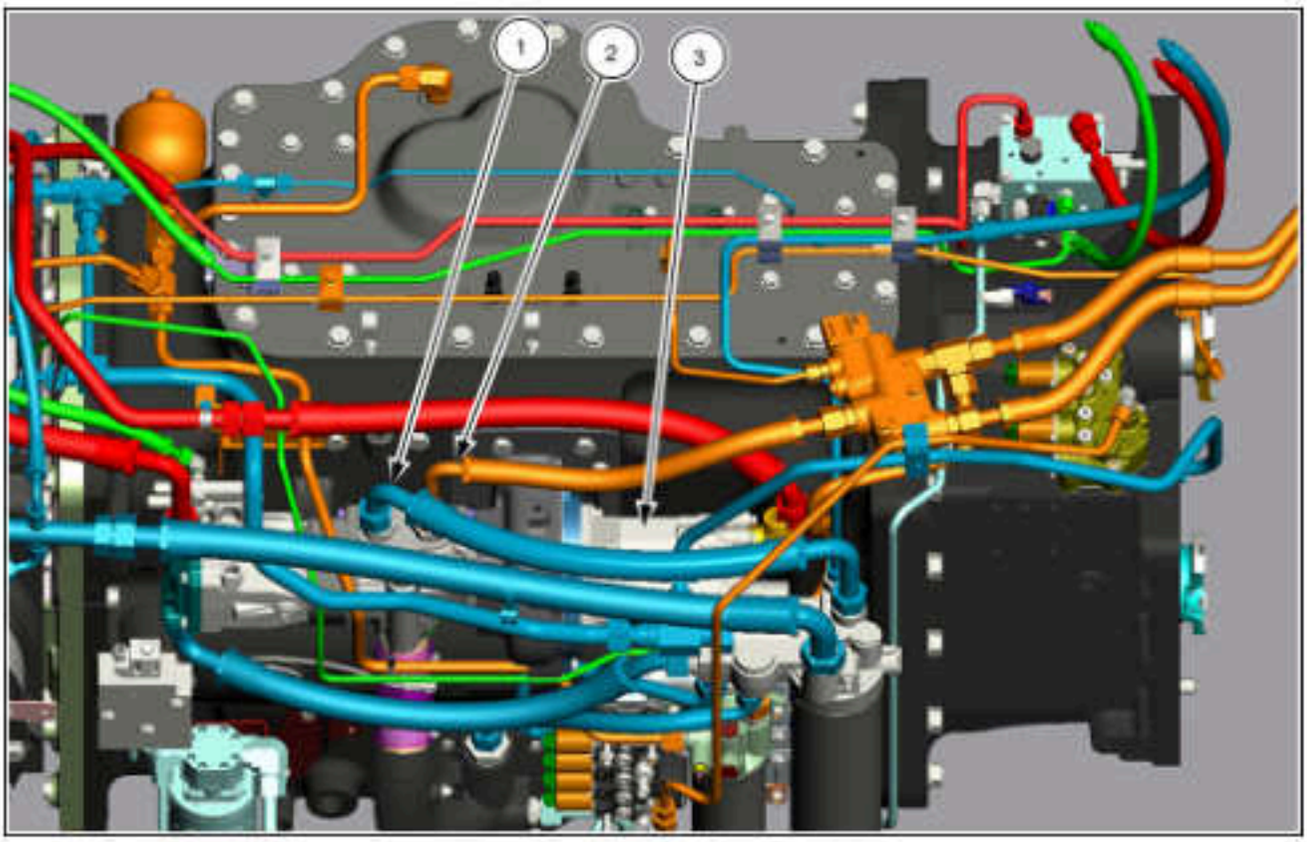
   A. Error code follows the pilot head move. Replace the pilot head. Return unit to field operation.

   B. Error code does not follow the pilot head move. Return the pilot heads to their original location and submit a concern to ASIST.

Wiring harnesses - Electrical schematic sheet 23 - Auxiliary remote valves (55.100.DP-C.20.E.23)
Wiring harnesses - Electrical schematic sheet 46 - Secondary CAN bus (55.100.DP-C.20.E.46)

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High flow pressure/flow compensating pump — Component identification

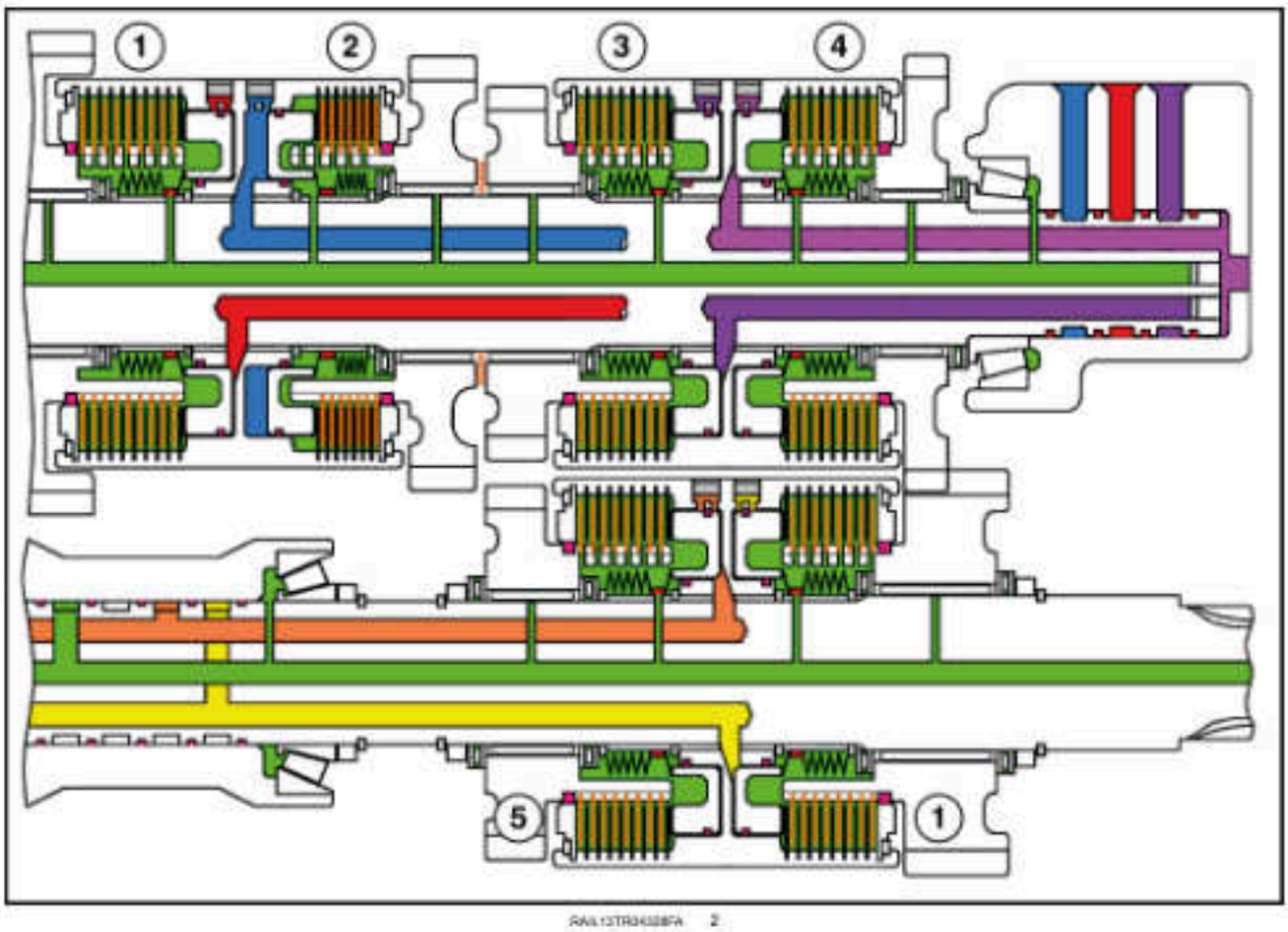


RAIL13TR032746A 3

1. Charge/lubrication pump outlet	3. High flow PFC pump
2. Regulated charge pump outlet	

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Speed housing clutch oil supply



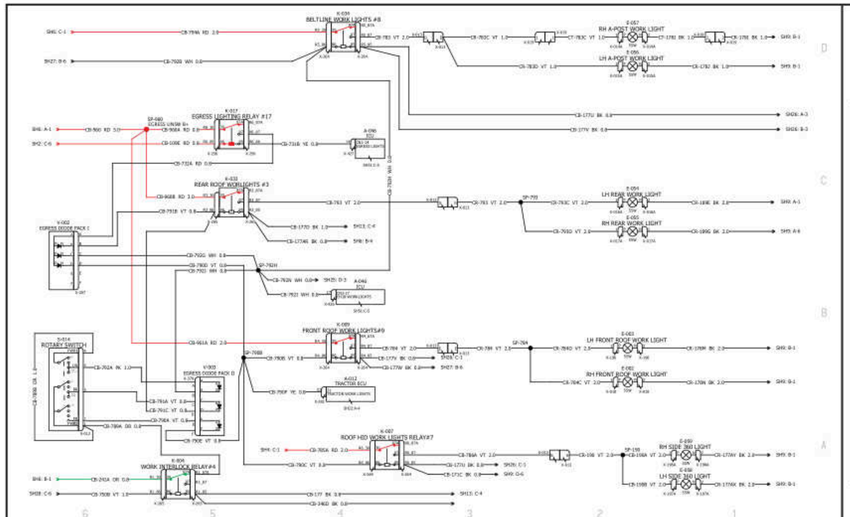
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Lubrication oil
Odd clutch supply
Even clutch supply
1-2 clutch supply
3-4 clutch supply
5-6 clutch supply
Reverse clutch supply

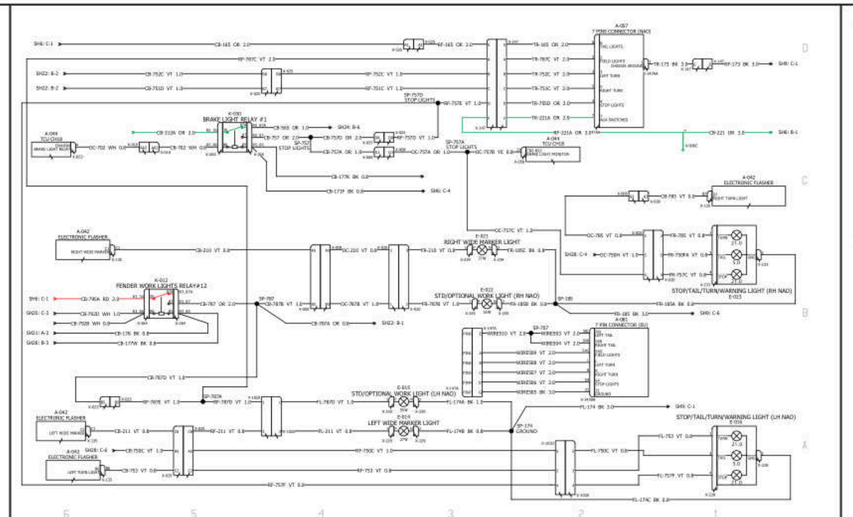
1. 1-2 clutch	4. Reverse clutch
2. 3-4 clutch	5. Odd clutch
3. 5-6 clutch	6. Even clutch

As oil is supplied to a clutch, the clutch locks and its gear is locked to the shaft. Torque is transmitted from the shaft through the clutch to the gear, or from the gear through the clutch to the shaft. Gears are in constant mesh, and the even gear is in mesh with the reverse gear/clutch and a countershaft gear. The even gear is used as an idler in some reverse gears and as direct drive to the reverse clutch in others. The master clutch is located between the speed output shaft and the range input shaft. All clutches are constantly supplied pressurized lubricating oil to keep them clean and cool.

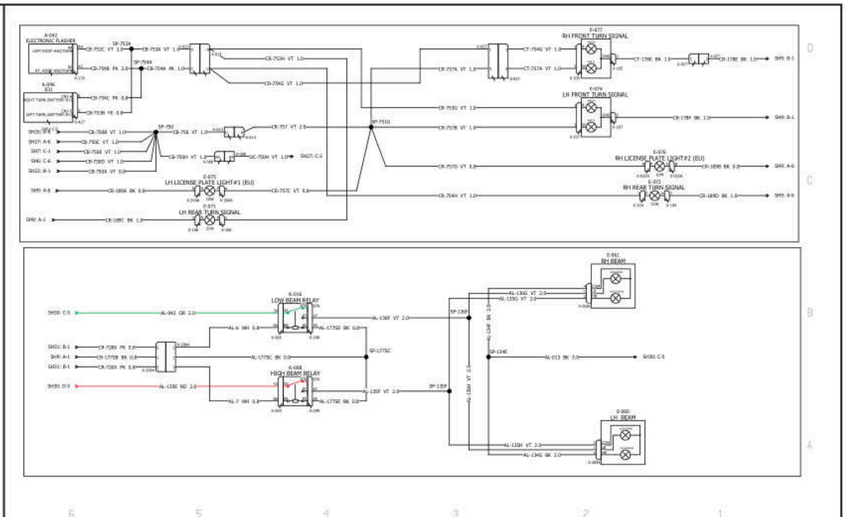
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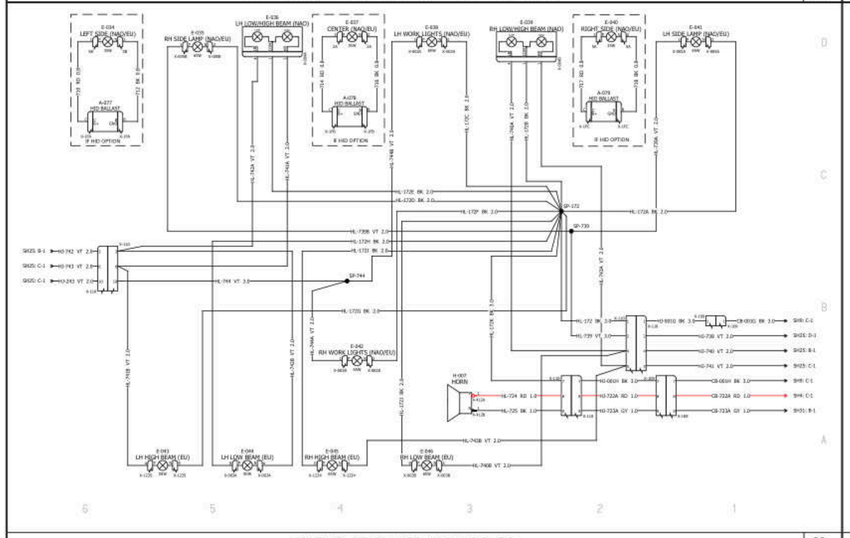
LIGHTING - ROOF WORKLAMPS AND FRONT HITCH LAMPS 26



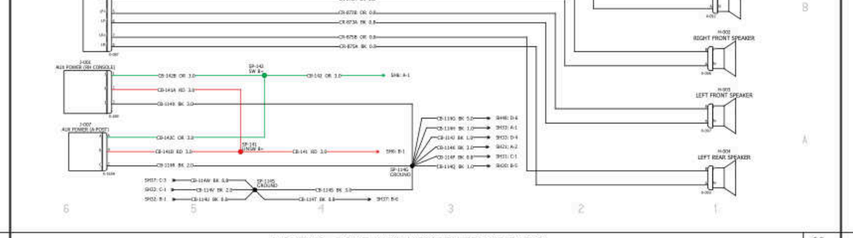
LIGHTING - FENDER AND TRAILER 27



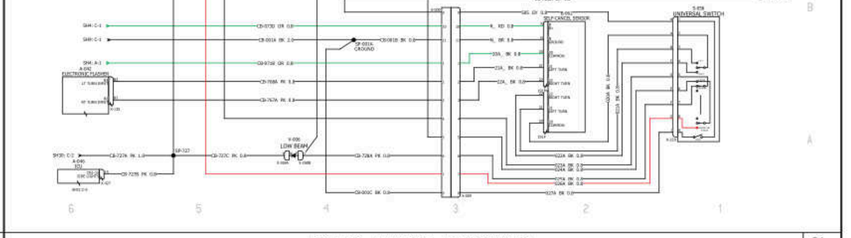
LIGHTING - ROOF TURN LIGHTS 28



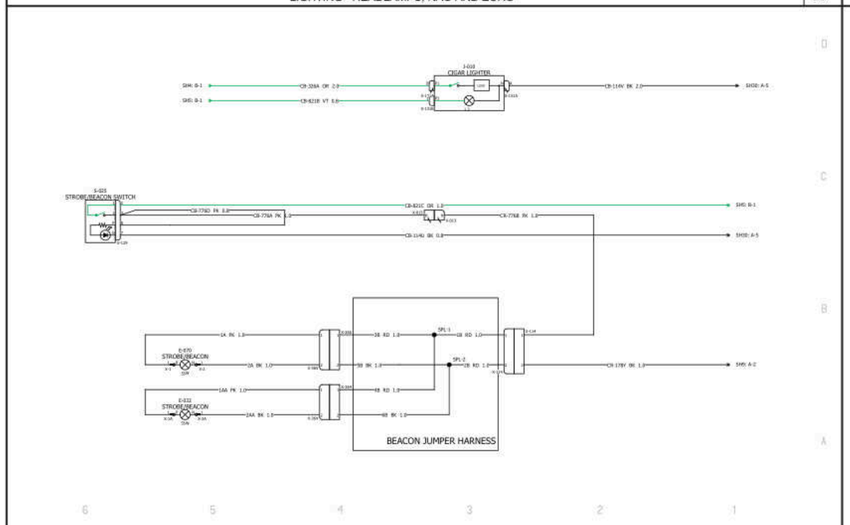
LIGHTING - HEADLAMPS, NAO AND EURO 29



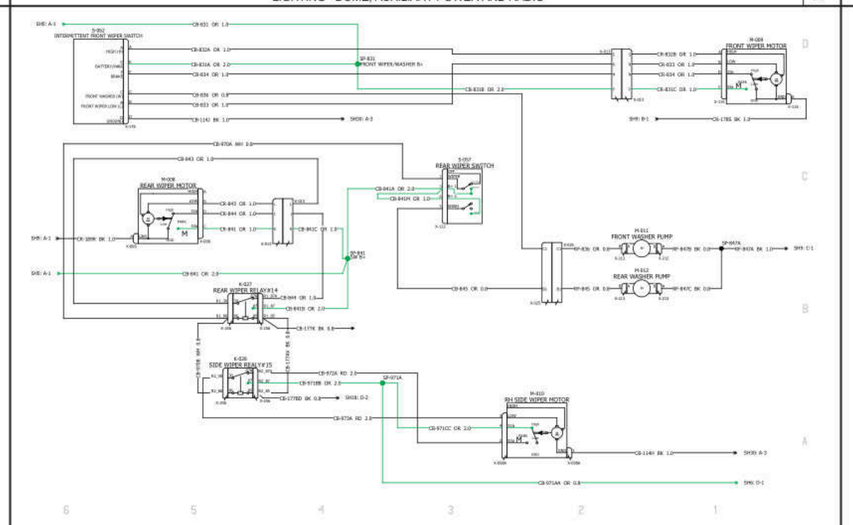
LIGHTING - DOME, AUXILIARY POWER AND RADIO 30



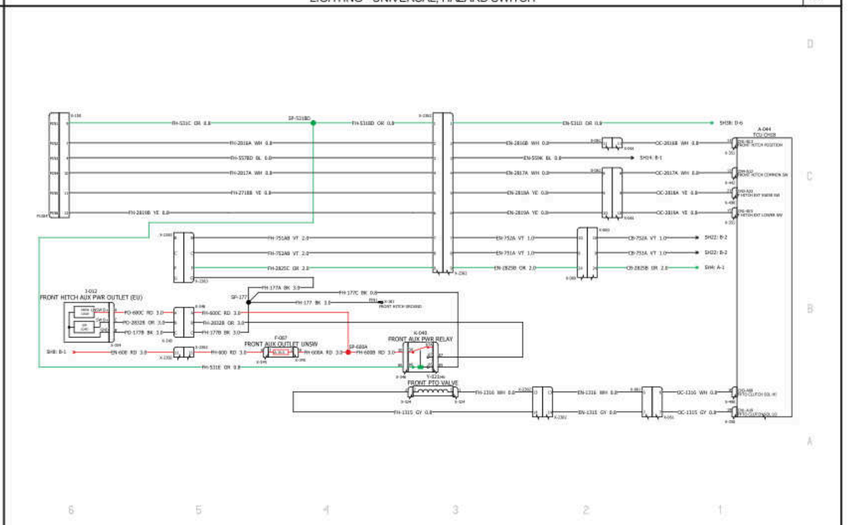
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LIGHTING - STROBE BEACON AND CIGAR LIGHTER 32



FRONT AND REAR WIPERS AND WASHER 33



FRONT HITCH 34

RAC47729698S2S2

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