SERVICE MANUAL

T9.435 / T9.480 / T9.530 / T9.565
T9.600 / T9.645 / T9.700
Tier 4B (final)
Tractor

PIN ZEF400001 and above

Part number 47680532
1st edition English
March 2014

MidWestTech | New Holland T9.435, T9.480, T9.530, T9.565, T9.600, T9.645, T9.700 Tier 4B Tractor Service Manual | Publication 47680532

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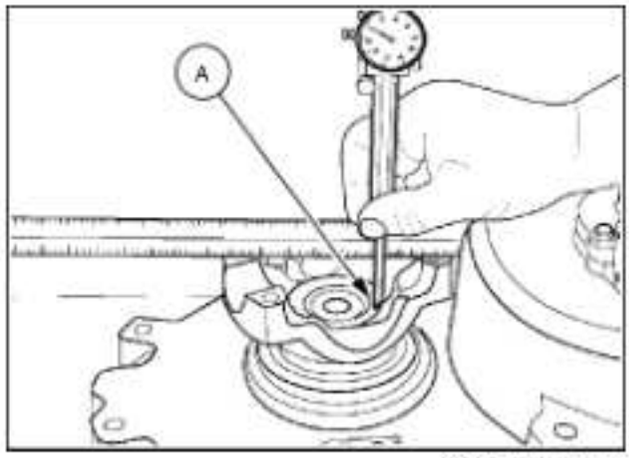
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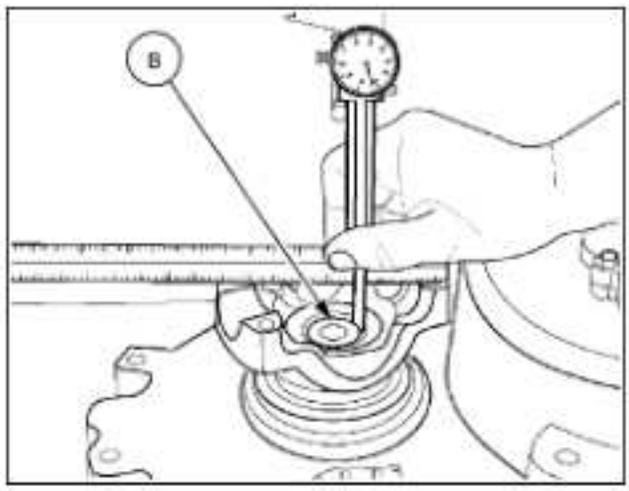
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60. Using a straight edge and caliper, measure the distance between the yoke retainer washer surface (A) and the straight edge. Record the measurement.



RCPH11FWD268BAC 59

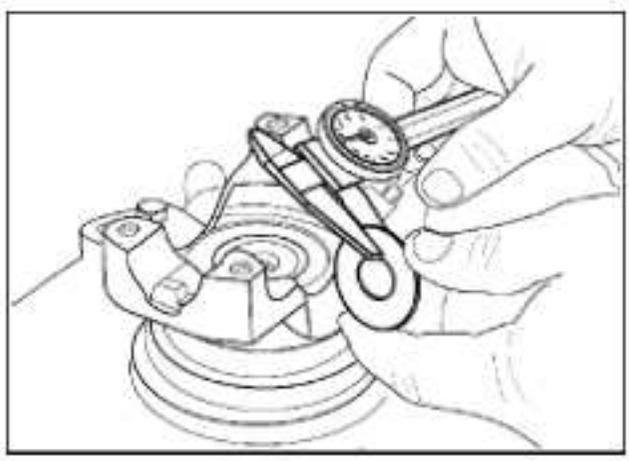
61. Using a straight edge and caliper, measure the distance between the end of the shaft (B) and the straight edge. Record the measurement.



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62. Select a combination of shims that will measure **0.05 - 0.15 mm** (**0.002 - 0.006 in**) less than the recorded measurement between surface A and surface B in the last two steps.
Example : B is **0.8 mm** (**0.031 in**) And A is **0.2 mm** (**0.008 in**). **0.8 mm** (**0.031 in**) minus **0.2 mm** (**0.008 in**) equals **0.6 mm** (**0.024 in**).

NOTE: *O-ring compression should be* ***0.1 - 0.2 mm (0.004 - 0.008 in)****.*


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Connector X-9005 - Fuel temperature sensor

CONNECTOR X-9005 - Fuel temperature sensor			
PIN NUMBER	**WIRE NUMBER**	**CIRCUIT REFERENCE**	**ELECTRICAL SCHEMATIC FRAME**
1	EN-012	Signal	**Wire harnesses - Electrical schematic frame 05 - Engine inputs/outputs (55.100)**
2	EN-013	Ground	

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18026-Rear hitch slip control potentiometer - voltage too high

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

Cause:
Voltage from sensor too high (above **4.8 V**) as measured at armrest controller.

Possible failure modes:

1. Faulty connector
2. Faulty slip control potentiometer
3. Faulty harness
4. Faulty controller

Solution:

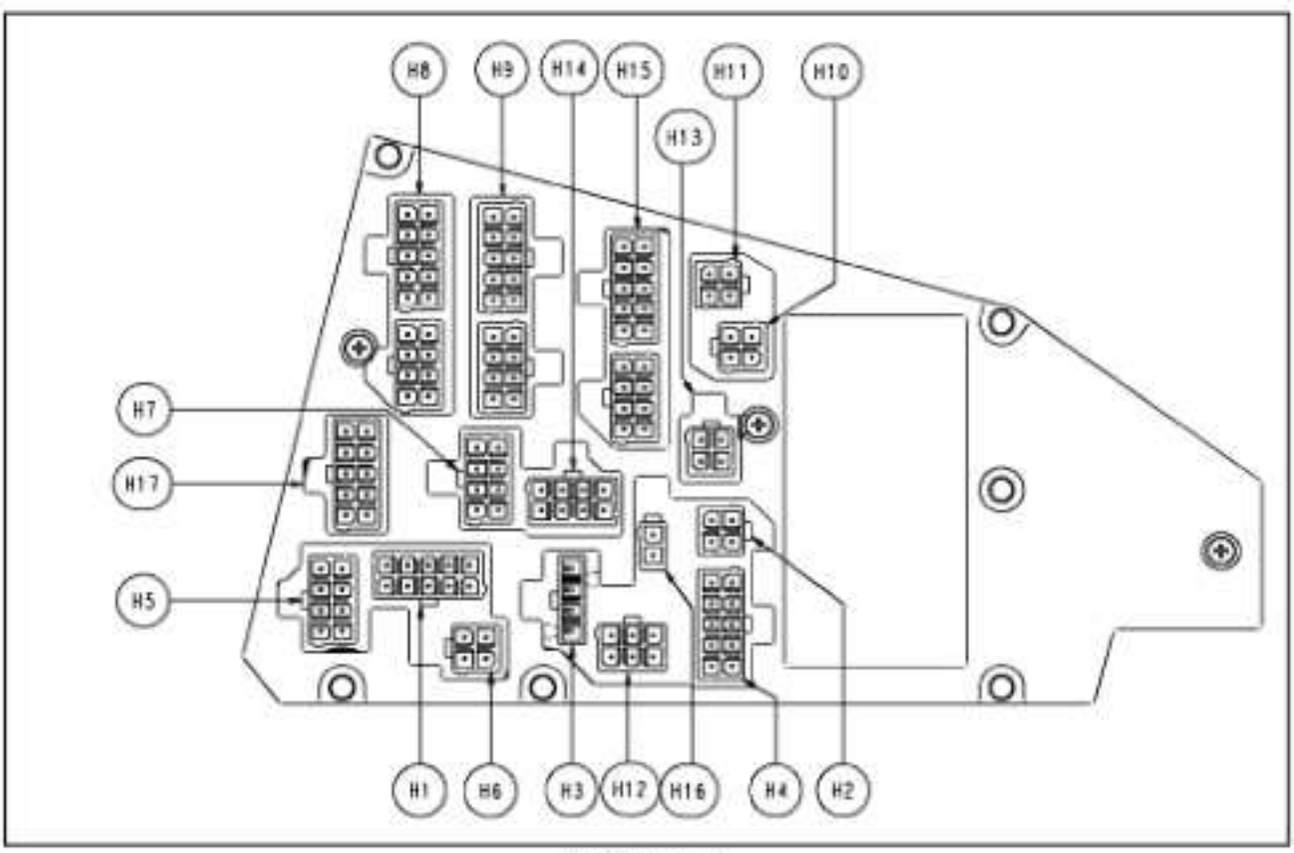
1. Before proceeding clear the error code with the approved diagnostic equipment. Run the machine under normal conditions and retest.

   A. If the error code is not indicated, check that the system is operating correctly.

   B. If the error code is indicated, continue to step **2**
2. Use the electronic service tool (EST) monitor screen function to check the slip control potentiometer. Refer to the electronic service tool (EST) user guide.

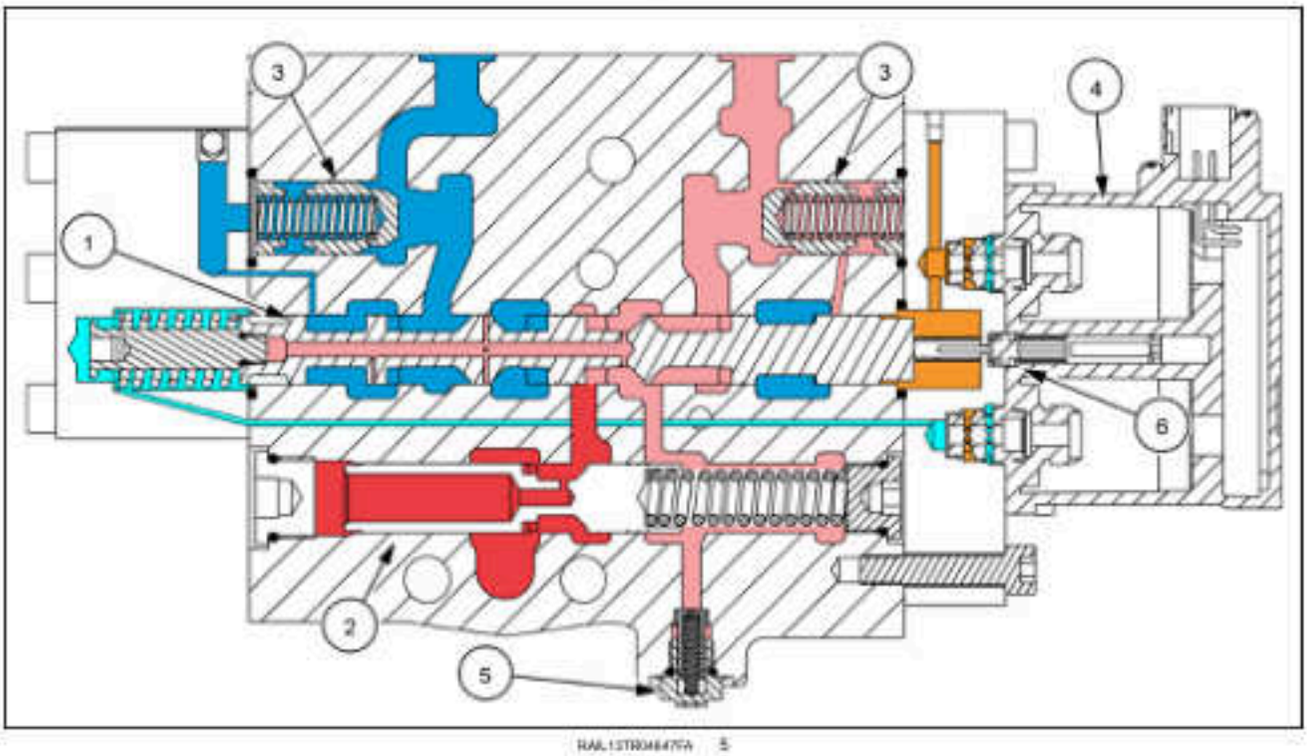
   A. If slip control potentiometer check is not okay, continue to step **3**

   B. If slip control potentiometer check is okay and the fault does not reoccur continue operation.
3. Check the slip control potentiometer.



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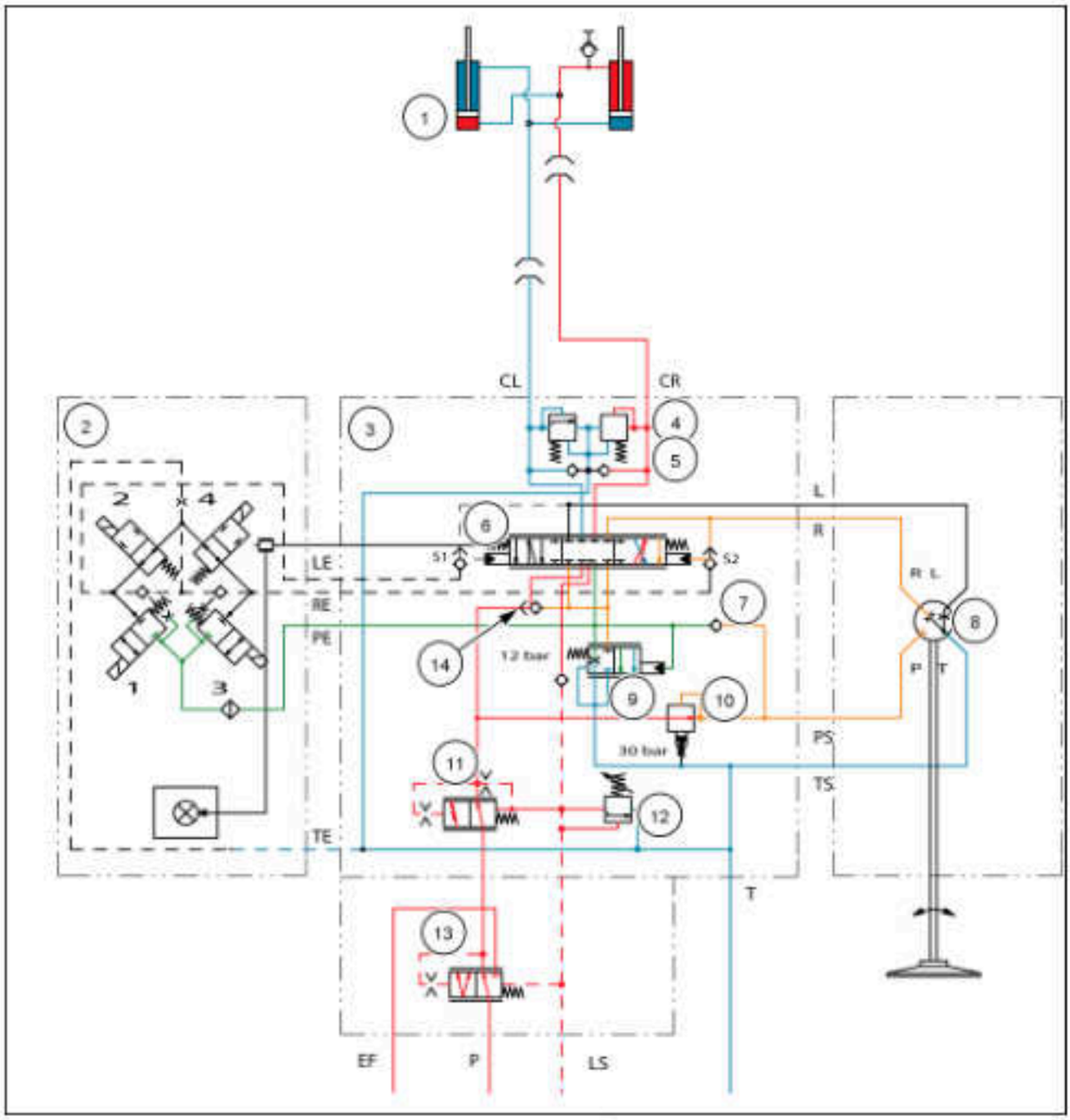
4. Extend solenoid	11. Pilot supply (regulated)
5. Retract solenoid	12. Return/tank
6. Spool position sensor	13. Retract port
7. Signal to compensator	14. Extend port



RAIL1STR04447A 5

PFC pump pressure	Return to tank pressure
Remote valve operating pressure	Trapped oil
Pilot pressure	Pilot return pressure
1. Main valve spool	4. Extend/retract solenoid valve assembly with microprocessor (pilot head)
2. Flow control spool	5. Signal check
3. Lock check	6. Spool position sensor

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RCPH19FWD015HAG 4

Engine running, turning right

Pressure/flow compensating supply pressure

Steering hand pump **30 bar** (**435 psi**) supply

Electrical actuation module (PVE) **12 bar** (**174 psi**) supply

Return to tank

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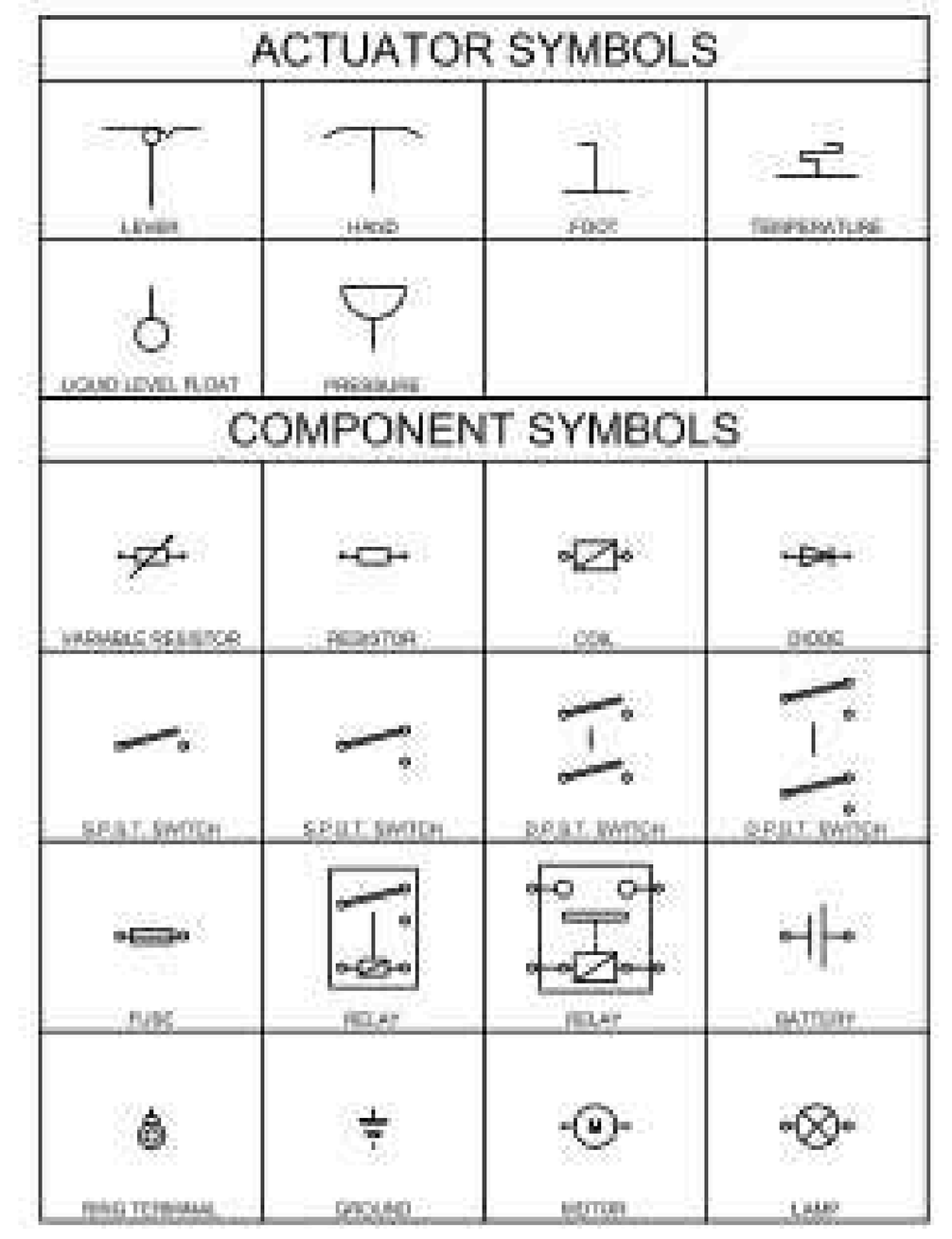
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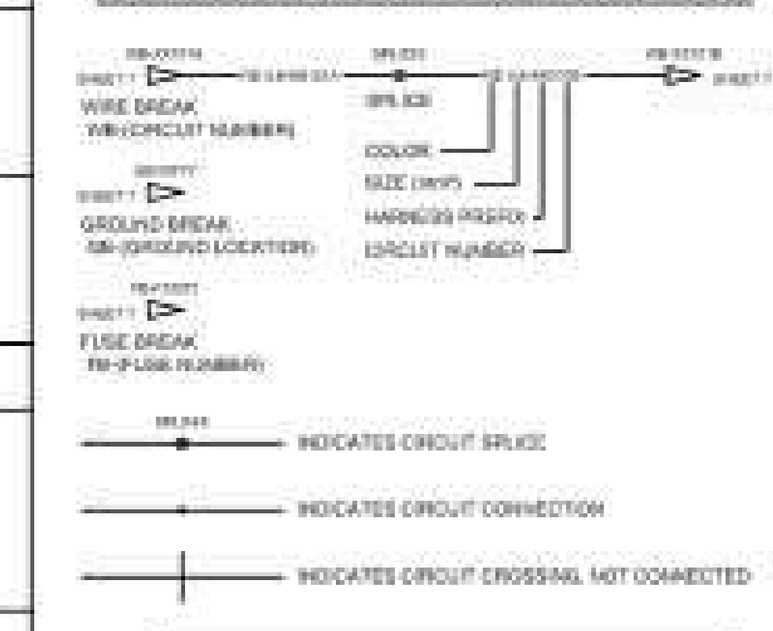
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ACTUATOR SYMBOLS



CIRCUIT DIAGRAM LEGENDS



COLOR ABBREVIATIONS

ABBR.	DESCRIPTION
BK	BLACK
BL	BLUE
BR	BROWN
GN	GREEN
GY	GRAY
LB	LIGHT BLUE
LG	LIGHT GREEN
OR	ORANGE
PK	PINK
RD	RED
TN	TAN
VT	VIOLET
WH	WHITE
YE	YELLOW

HARNESS PREFIX DEFINITIONS

PREFIX	DESCRIPTION
BA	BACKUP ALARM
BC	BEACON LAMPS
BE	BATTERY EQUALIZER
CM	CAB MAIN
CR	CAB ROOF
DA	DISPLAY ADAPTER
DL	DIFF LOCK- REAR AXLE
DF	FRONT DASH
EA	ARMREST ELECTRIC ADJUST
EN	ENGINE
FF	FRONT FRAME
FM	FRONT MARKER LAMPS
GB	ANTENNA SUB ROOF
GC	AUTOGUIDANCE CAB
GR	ANTENNA CAB ROOF
GS	AUTOGUIDANCE CHASSIS
HC	TPH CAB
HS	TPH CHASSIS
HY	HYDRAULIC SUB ASSEMBLY
IC	ISO 11783 CAB
IP	ISO 11783 POWER
IS	ISO 11783 CHASSIS
LH	HOOD LAMPS
LT	RH TAIL LAMP ADAPTER
PT	PTO
RF	REAR FRAME
RM	REAR MARKER LAMPS
RT	7 WAY TRAILER ADAPTER
SB	SCR BUNDLE
SC	SCR CHASSIS
SD	SCR DEF QUALITY SENSOR
SE	SCR EXHAUST
SP	DIFF LOCK, STEERING PRESSURE SENSOR
TE	TELEMATICS
TM	TRANSMISSION
VE	ELECTRONIC HYDRAULIC REMOTE VALVES
WB	WASHER BOTTLE
WP	FRONT LOWER WIPERS

SCHEMATIC LEGEND | 3

FUSE TABLE

FUSE NUMBER	DESCRIPTION	RATING (AMPS)	SHEET NUMBER
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F-002	IGNITION CIRCUIT	15	11
F-003	ICU CONTROLLER	10	11
F-004	TCU CONTROLLER - MAIN	10	11
F-005	COLOR DISPLAY	10	11
F-006	ROAD/HAZARD SWITCH	15	11
F-007	TELEMATICS INTERFACE	5	11
F-008	ARMREST - ACM CONTROLLER	10	11
F-009	RADIO	5	11
F-010	HORN	15	11
F-011	AUX POWER OUTLETS 1,2,3	20	12
F-012	OPEN	—	12
F-013	OPEN	—	12
F-014	OPEN	—	12
F-015	CIGAR LIGHTER 1	15	12
F-016	CIGAR LIGHTER 2	15	12
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F-023	OPEN	—	13
F-024	OPEN	—	13
F-025	OPEN	—	13
F-026	OPEN	—	13
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F-030	SEAT HEIGHT COMPRESSOR/ARMREST ADJUST	15	14
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F-034	WORK LAMPS INTERLOCK	15	14
F-035	BRAKE LAMPS	15	14
F-036	FUEL PRIMER PUMP	15	14
F-037	RADIO	10	15
F-038	BUSINESS BAND RADIO	15	15
F-039	REAR WIPER	20	15
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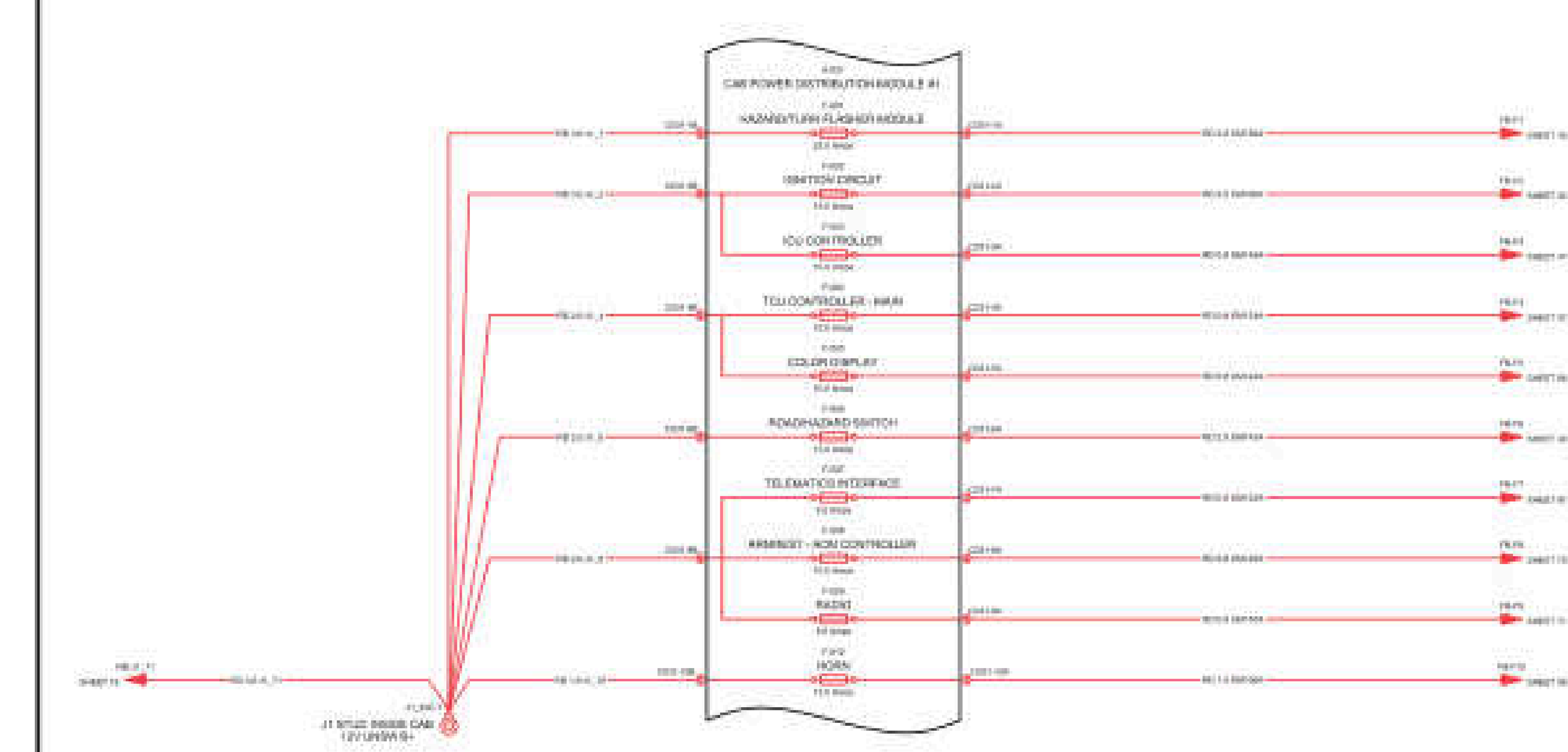
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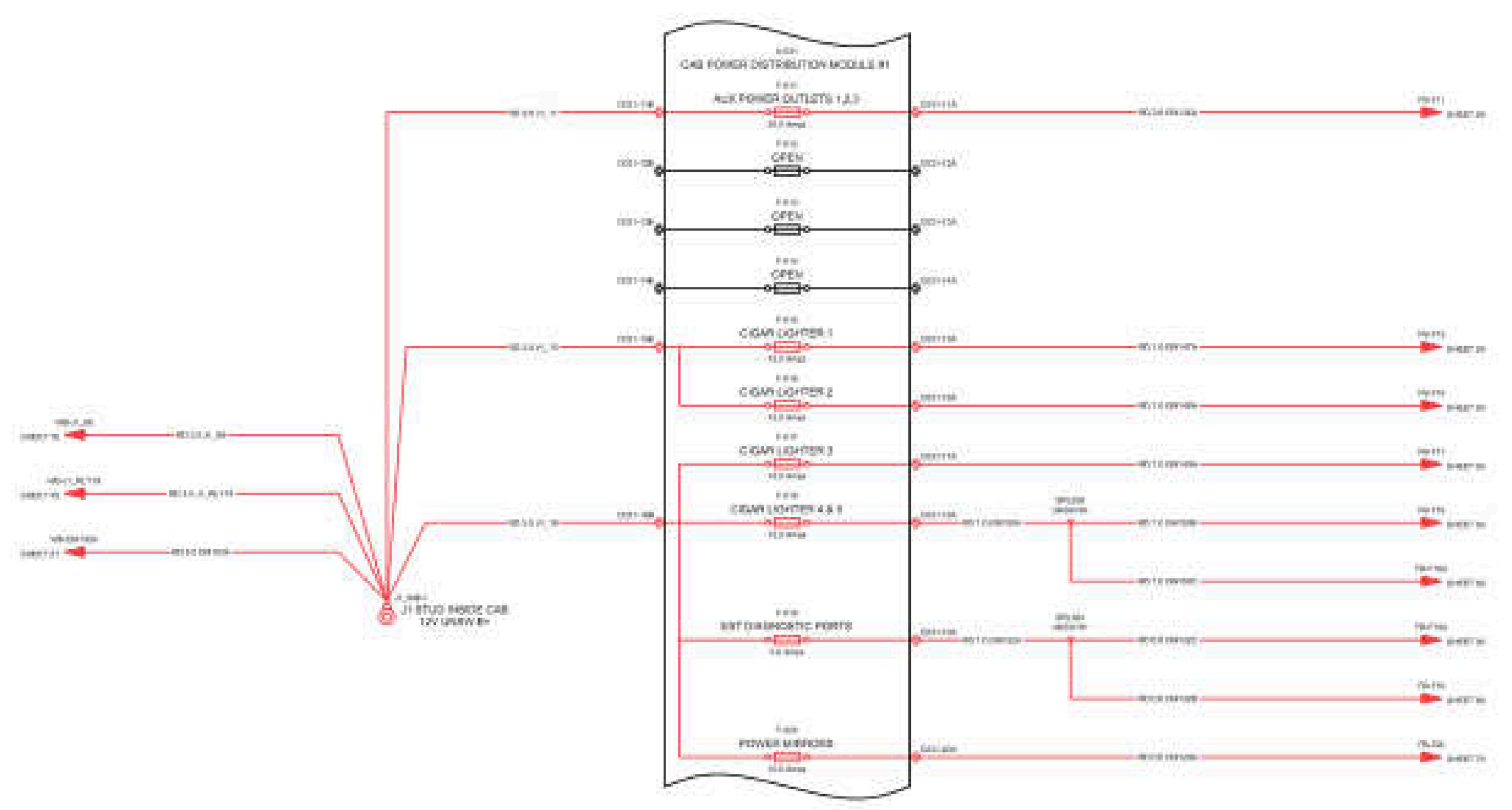
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SHEETS 8, 9 AND 10 ARE BLANK

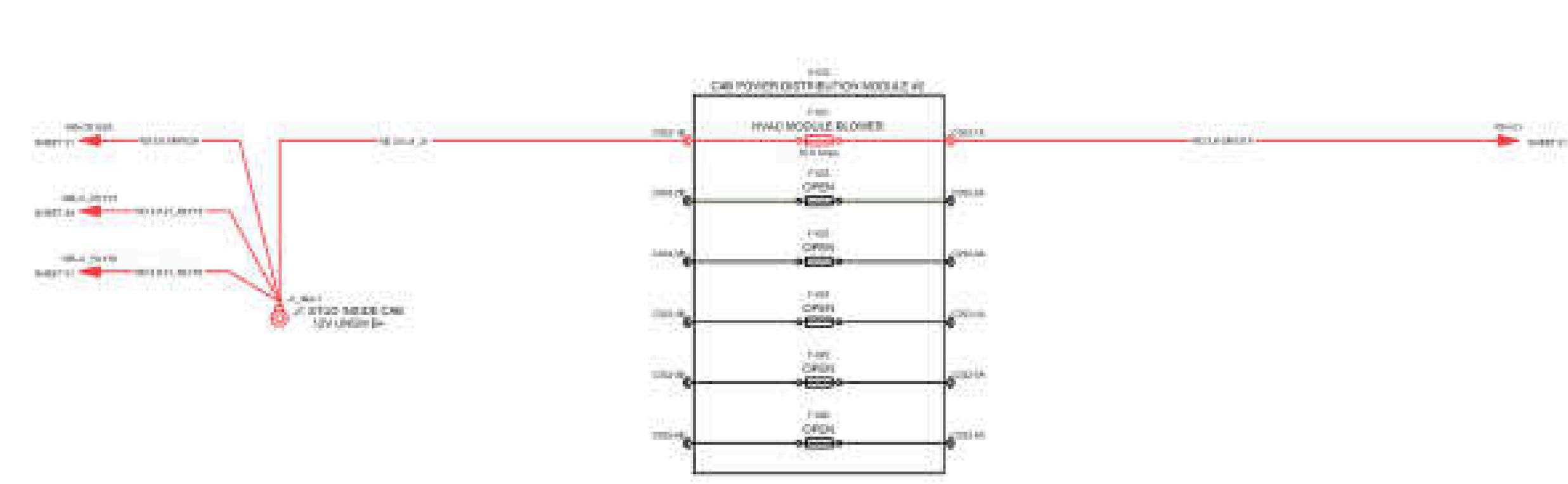
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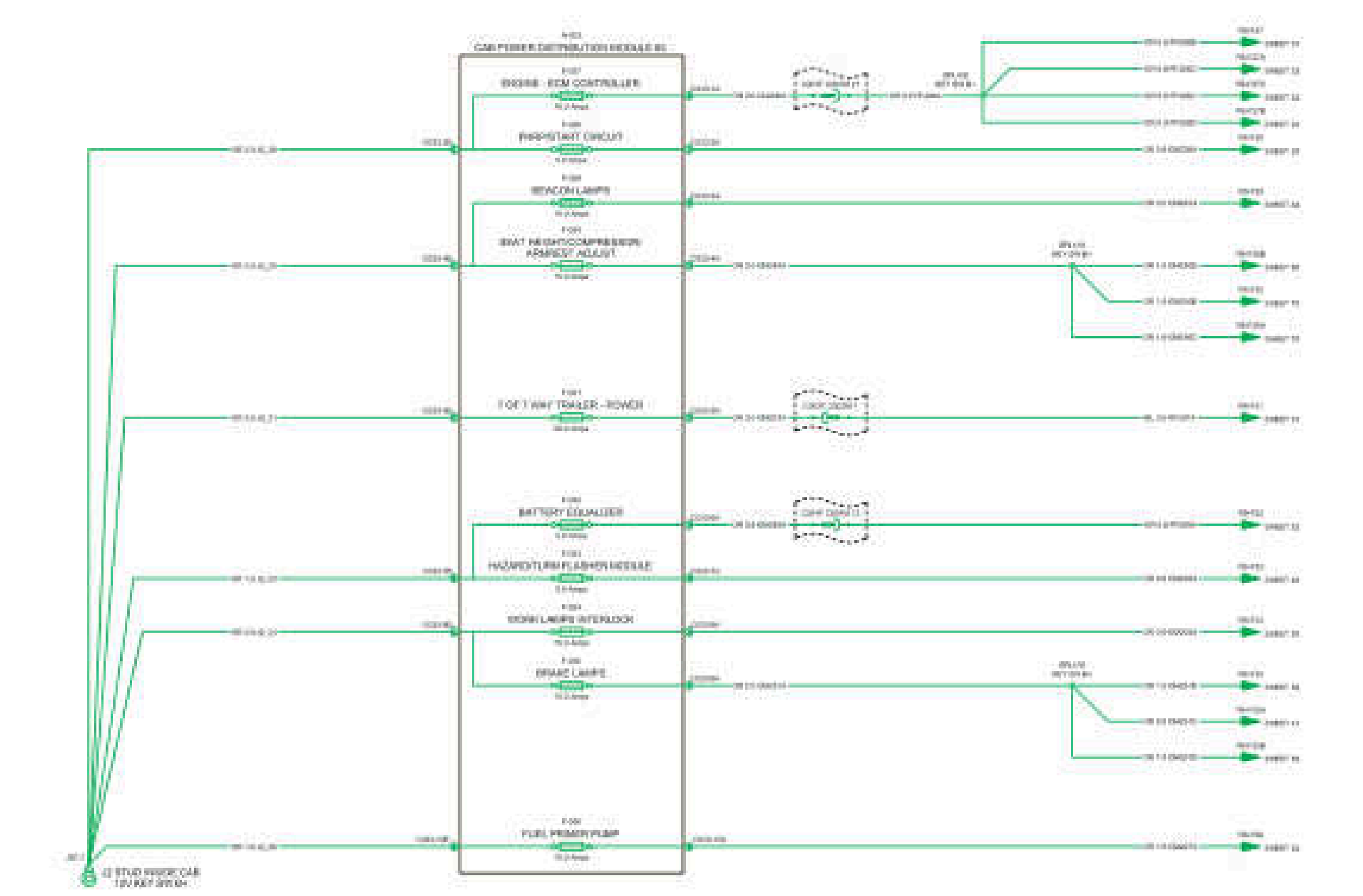
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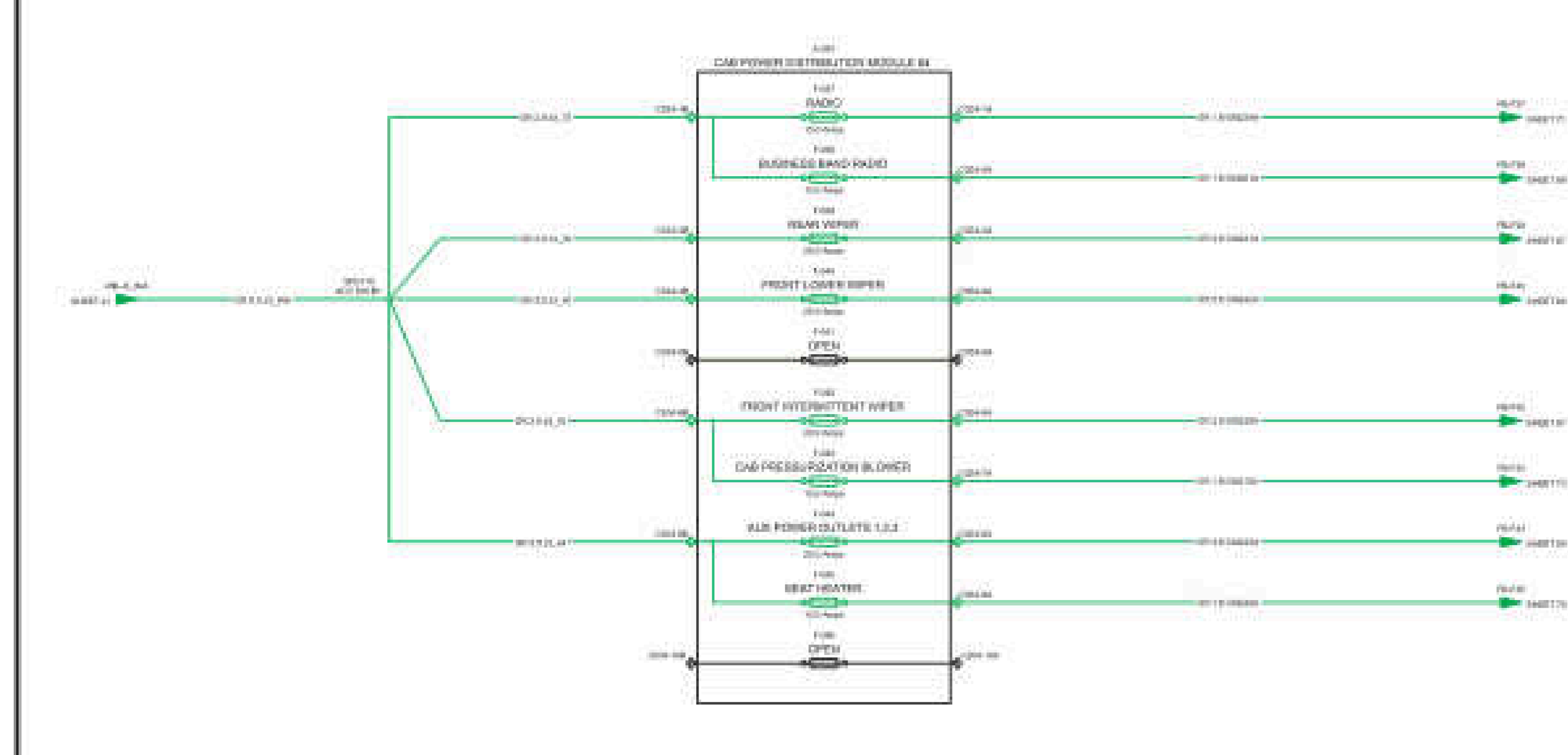
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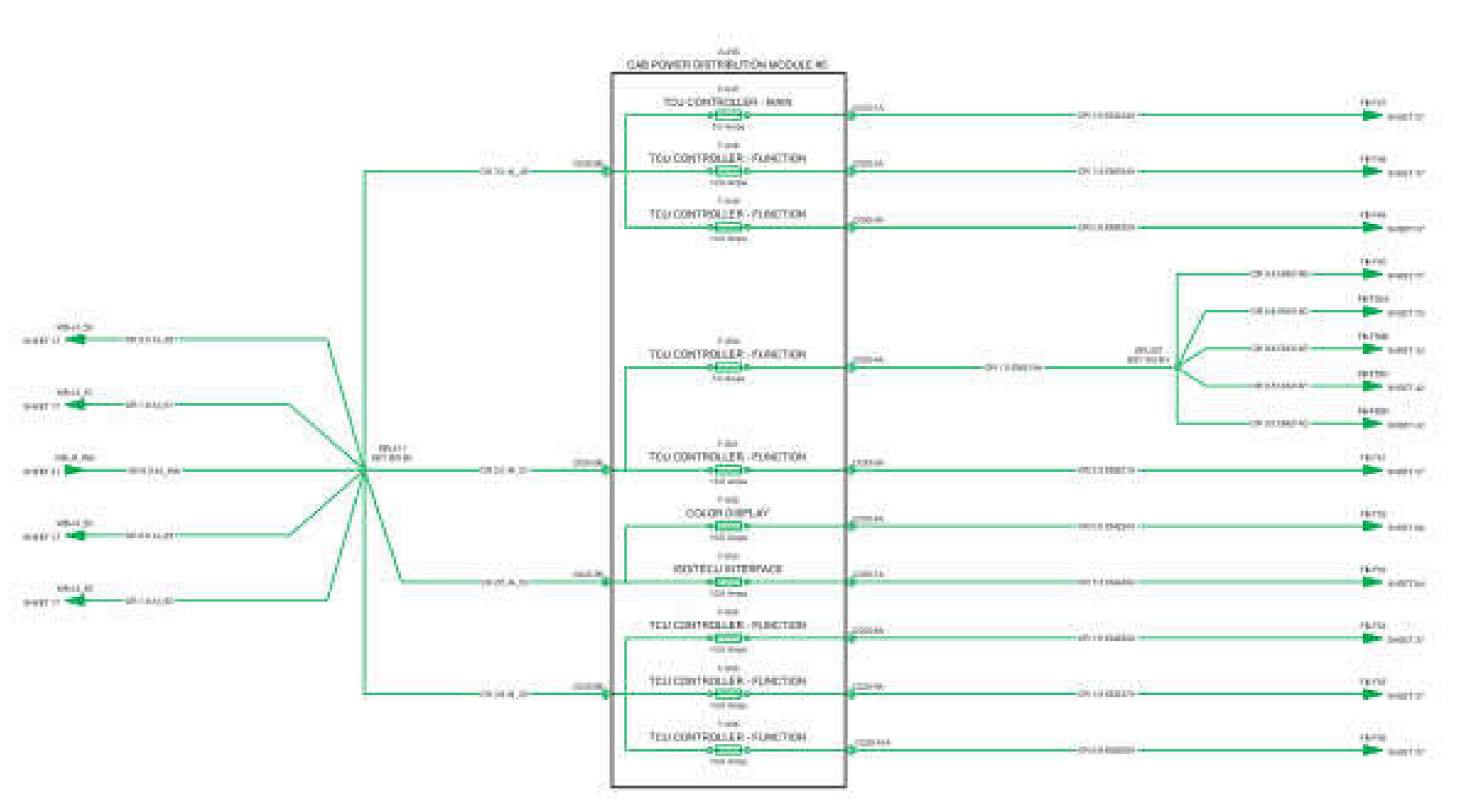
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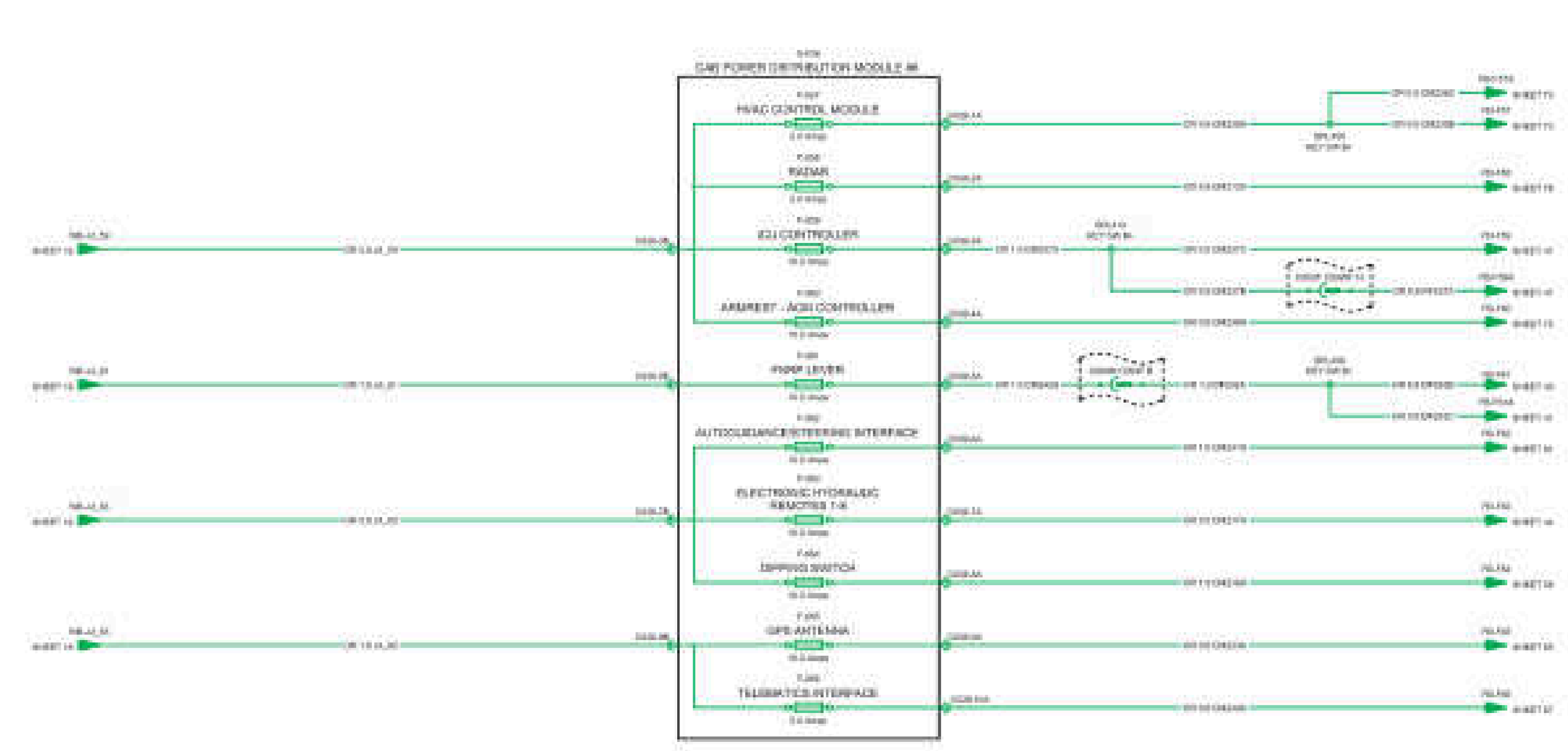
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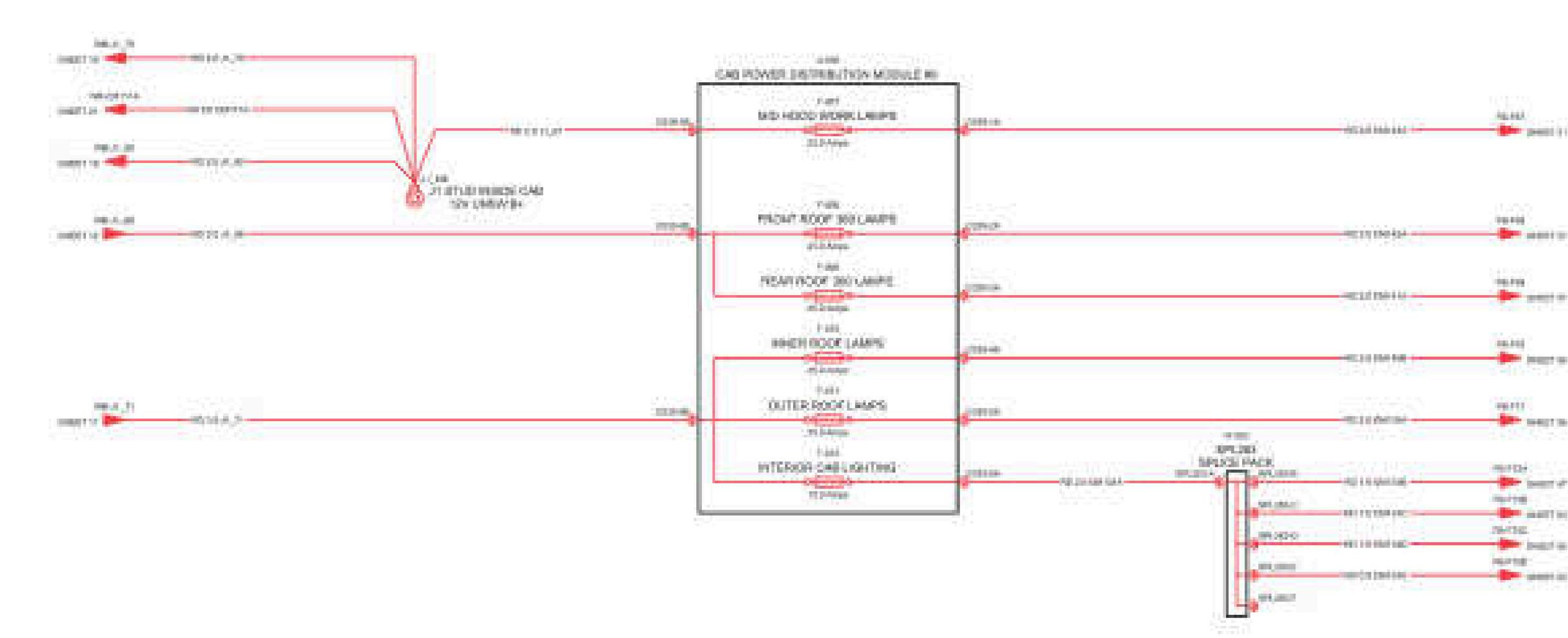
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T9.435, T9.480, T9.530, T9.565, T9.600, T9.645 AND T9.700 TRACTOR SERIES ELECTRICAL SCHEMATIC RAC 47611825

LEGEND

INDICATES CONSTANT POWER

INDICATES POWER WHEN KEY SWITCH IS ON

INDICATES POWER WHEN KEY SWITCH IS IN START POSITION

INDICATES 24 VOLT CIRCUIT

RAC47611825S1S1

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