

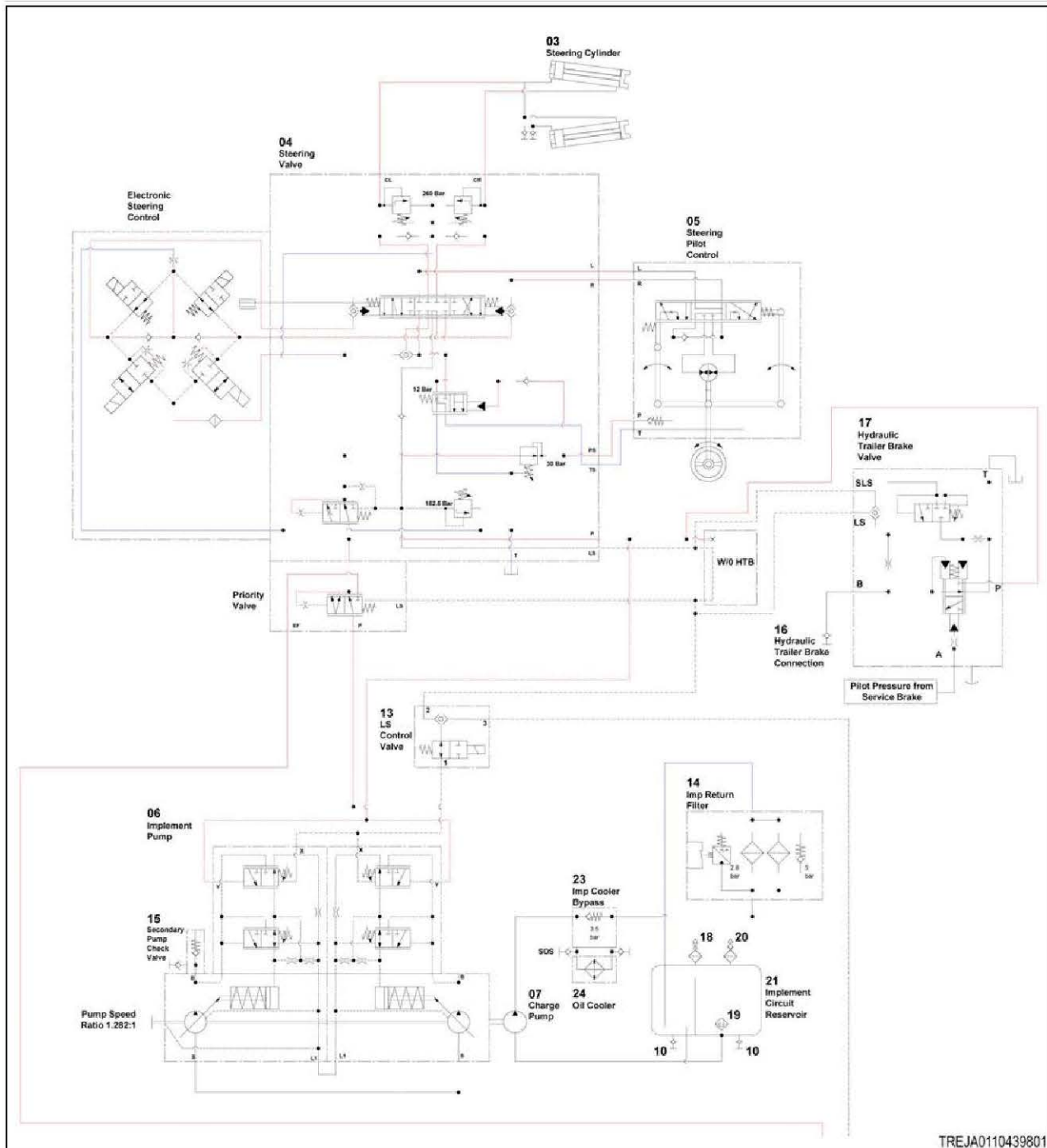
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18.1 Hydraulic schematics

18.1.1 Implement hydraulic schematic



TREJA0110439801

Fig. 1

Item	Schematic term	Description
03	Steering Cylinder	Steering cylinder
04	Steering Valve	Steering valve
05	Steering Pilot Control	Steering pilot control
06	Implement Pump	Implement pump
07	Charge Pump	Charge pump

Item	Schematic term	Description
08	Intermediate Valve Stack	Intermediate valve stack
09	Imp Return Filter	Implement return filter
10	Ecology Drain	Ecology drain
13	LS Control Valve	Load sense control valve
14	Imp Return Filter	Implement return filter
15	Secondary Pump Check Valve	Secondary pump check valve
16	Hydraulic Trailer Brake Connection	Hydraulic trailer brake connection
17	Hydraulic Trailer Brake Valve	Hydraulic trailer brake valve
18	Breather	Breather
19	Strainer	Strainer
20	Breather Cap	Breather cap
21	Implement Circuit Reservoir	Implement circuit reservoir
23	Imp Cooler Bypass	Implement cooler bypass
24	Oil Cooler	Oil cooler
-	Electronic Steering Control	Electronic steering control
-	W/O HTB	Without hydraulic trailer brake
-	Priority Valve	Priority valve
-	Pump Speed Ratio	Pump speed ratio
-	SOS	Silicon on sapphire check valve

18.1.2 Implement valve configuration schematic (drawbar)

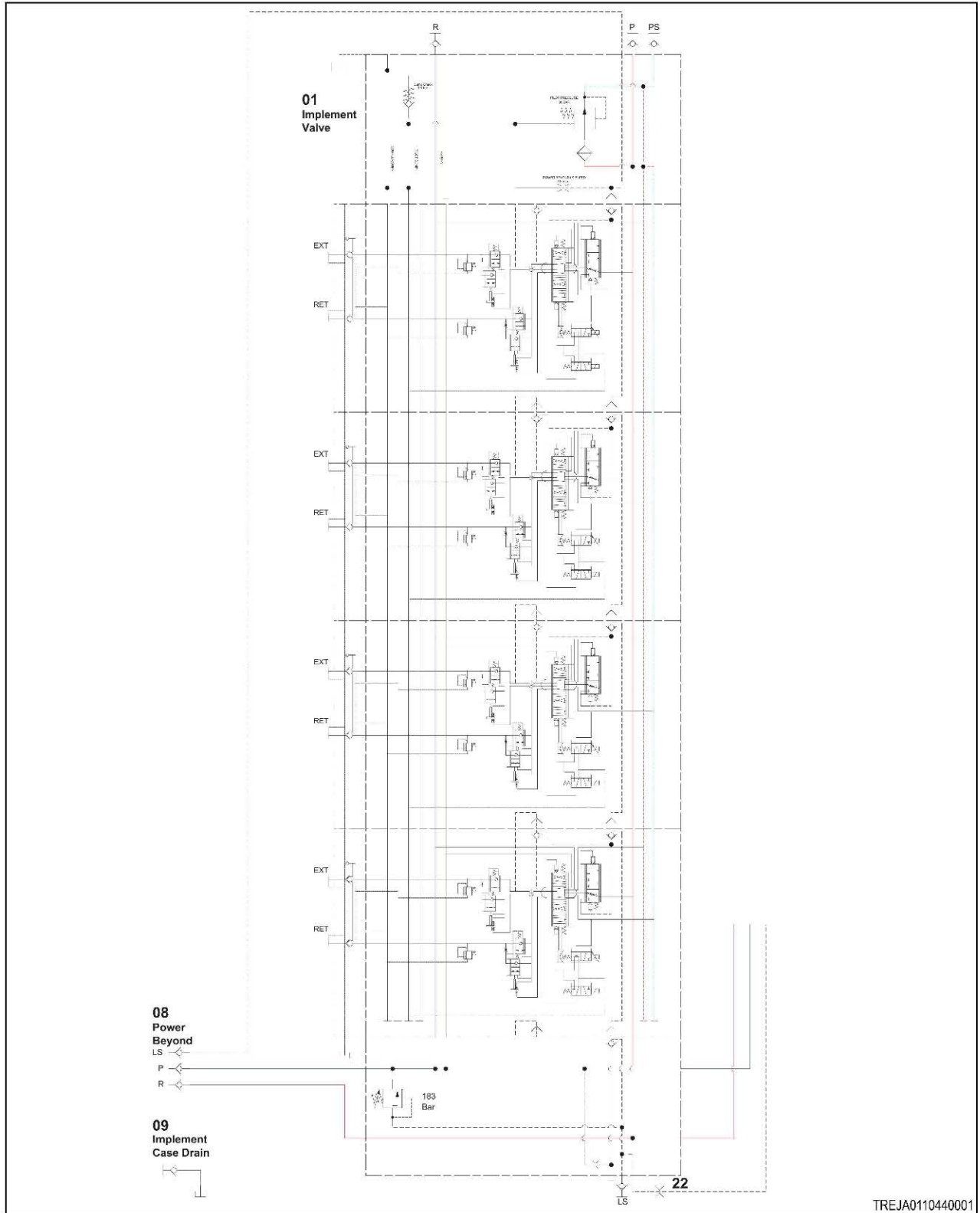


Fig. 2

TREJA0110440001

Item	Schematic term	Description
01	Implement Valve	Implement valve
08	Power Beyond	Power beyond
09	Implement Case Drain	Implement case drain
-	Sump Check 3.5 bar (50 psi)	Sump check valve
-	COUPLER SUMP	Coupler sump
-	PILOT SUMP	Pilot sump
-	RETURN	Return
-	EXT	Extend
-	RET	Retract
-	PILOT PRESSURE 30 bar (435 psi)	Pilot pressure
-	Power Beyond LS Bleed	Power beyond load sense bleed

18.1.3 Implement valve configuration schematic (3-point linkage)

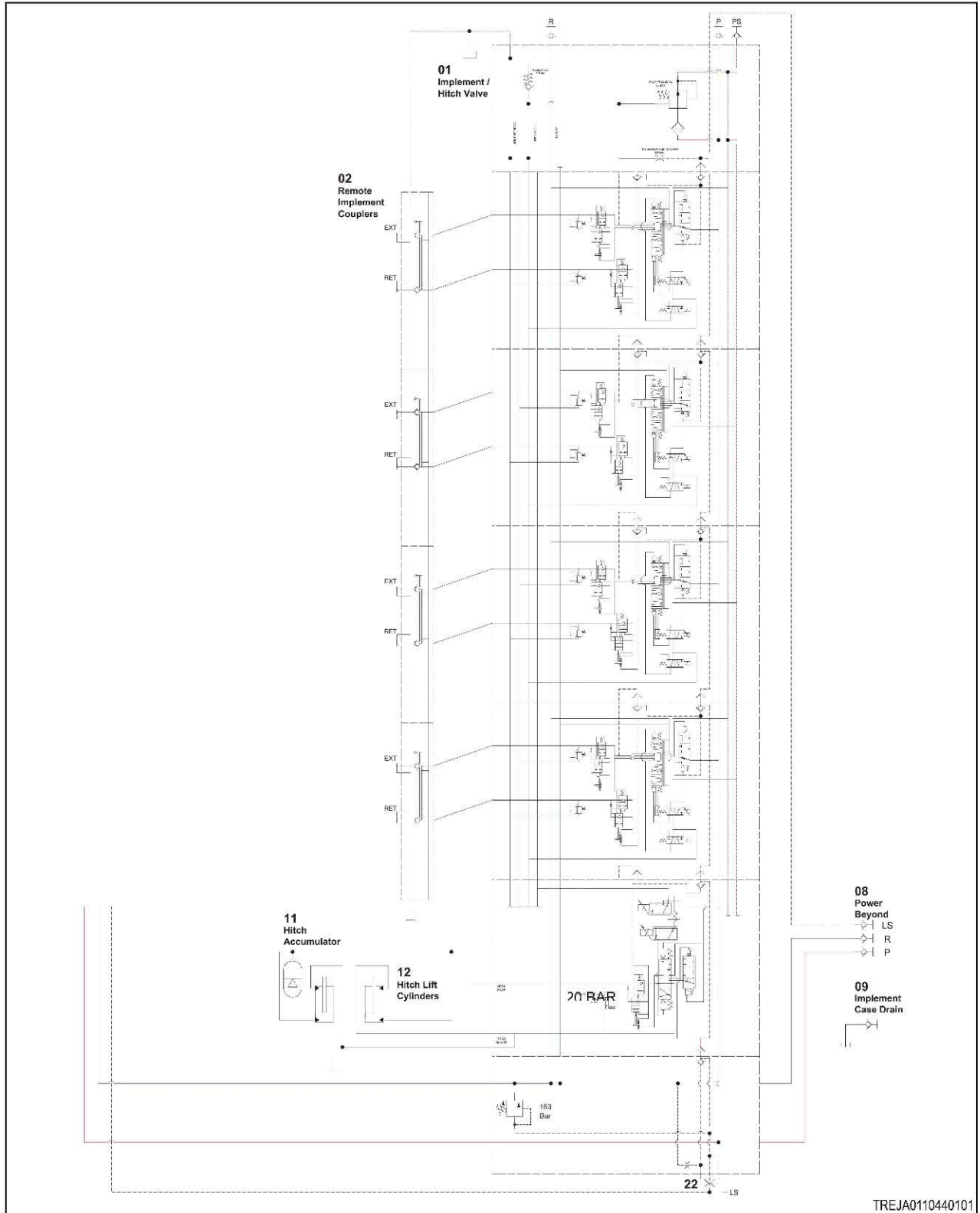
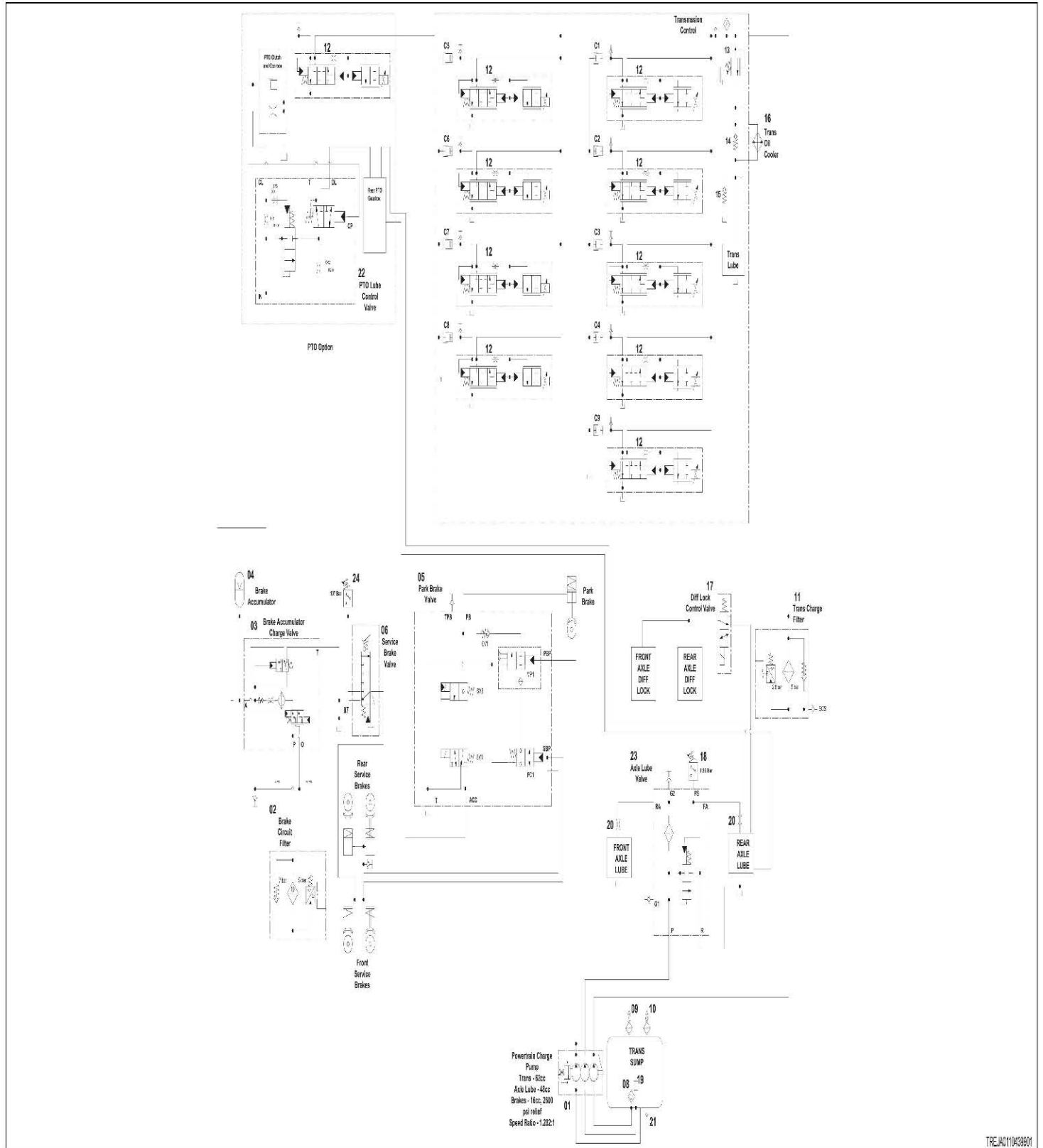


Fig. 3

Item	Schematic term	Description
01	Implement/Hitch Valve	Implement/linkage valve
02	Remote Implement Couplers	Remote implement couplers
08	Power Beyond	Power beyond
09	Implement Case Drain	Implement case drain
11	Hitch Accumulator	Linkage accumulator
12	Hitch Lift Cylinders	Lift cylinders
-	Sump Check 3.5 bar (50 psi)	Sump check valve
-	COUPLER SUMP	Coupler sump
-	PILOT SUMP	Pilot sump
-	RETURN	Return
-	EXT	Extend
-	RET	Retract
-	PILOT PRESSURE 30 bar (435 psi)	Pilot pressure
-	Power Beyond LS Bleed	Power beyond load sense bleed

18.1.4 Drive train hydraulic schematic



TREJA110436901

Item	Schematic term	Description
01	Powertrain Charge Pump	Tri-section pump
02	Brake Circuit Filter	Brake circuit filter
03	Brake Accumulator Charge Valve	Brake accumulator charge valve
04	Brake Accumulator	Brake accumulator
05	Park Brake Valve	Park brake valve
06	Service Brake Valve	Service brake valve
07	Check Valve	Check valve
08	Screen	Screen
09	Breather	Breather
10	Breather Cap	Breather cap
11	Trans Charge Filter	Transmission charge filter
12	VALVE GP-MDLC	Modulating valve
13	VALVE GP-RELIEF	Relief valve
14	VALVE-RELIEF	Relief valve
15	VALVE-RELIEF	Relief valve
16	Trans Oil Cooler	Transmission oil cooler
17	Diff Lock Control Valve	Differential lock control valve
18	Pressure Switch	Pressure switch
19	Axle Lube Standpipe	Axle lubrication standpipe assembly
20	Adapter	Adapter
21	Ecology Drain	Ecology drain
22	PTO Lube Control Valve	Power take-off lube control valve
23	Axle Lube Valve	Axle lubrication valve
24	Pressure Switch	Pressure switch
-	Front Service Brakes	Front service brakes
-	Rear Service Brakes	Rear service brakes
-	TRANS SUMP	Transmission sump
-	FRONT AXLE LUBE	Front axle lubrication
-	REAR AXLE LUBE	Rear axle lubrication
-	FRONT AXLE DIFF LOCK	Front axle differential lock
-	REAR AXLE DIFF LOCK	Rear axle differential lock
-	Trans - 62cc	Transmission - 62cc
-	Axle Lube - 48cc	Axle lubrication - 48cc
-	Brakes - 16cc	Brakes - 16cc
-	PTO Option	Power take-off option
-	Transmission Control	Transmission control

Item	Schematic term	Description
-	PTO Clutch and Gearbox	Power take-off clutch and gearbox
-	Trans Lube	Transmission lubrication
-	Rear PTO Gearbox	Rear power take-off gearbox

18.2 Electrical schematics

18.2.1 MT900E cab schematic

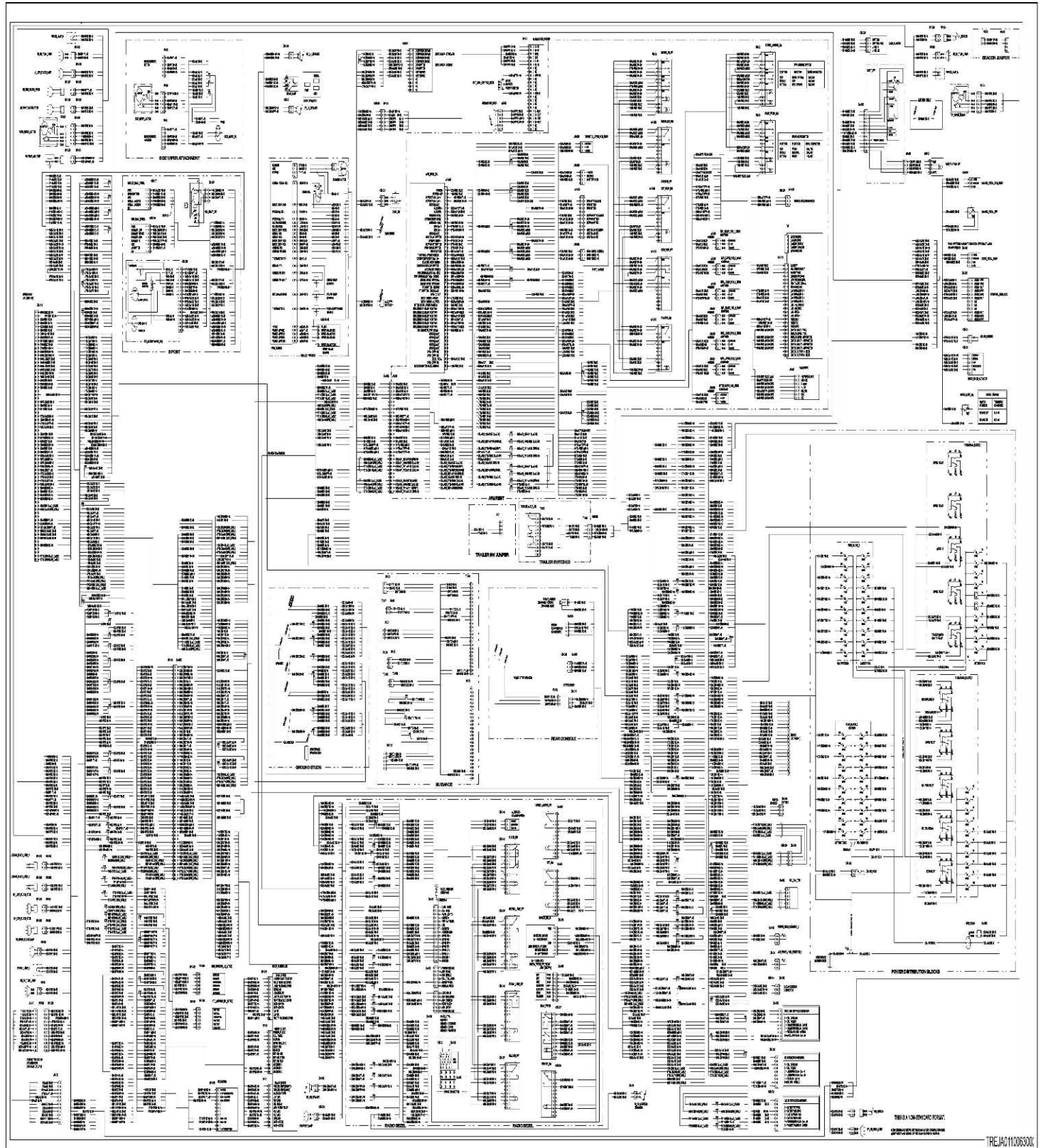


Fig. 5

18.2.2 MT900E chassis schematic

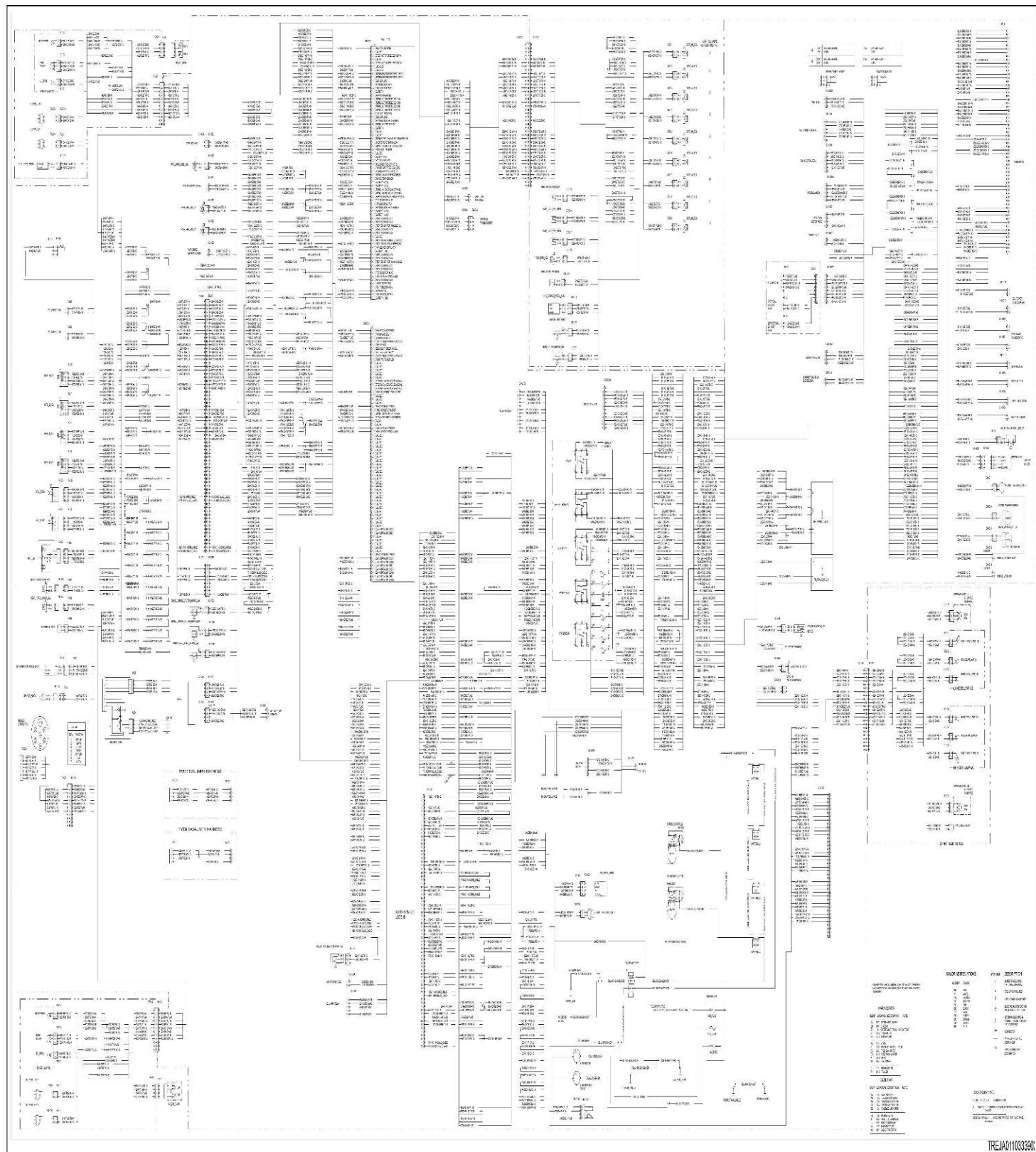


Fig. 6

18.2.3 Throttle lever position sensor

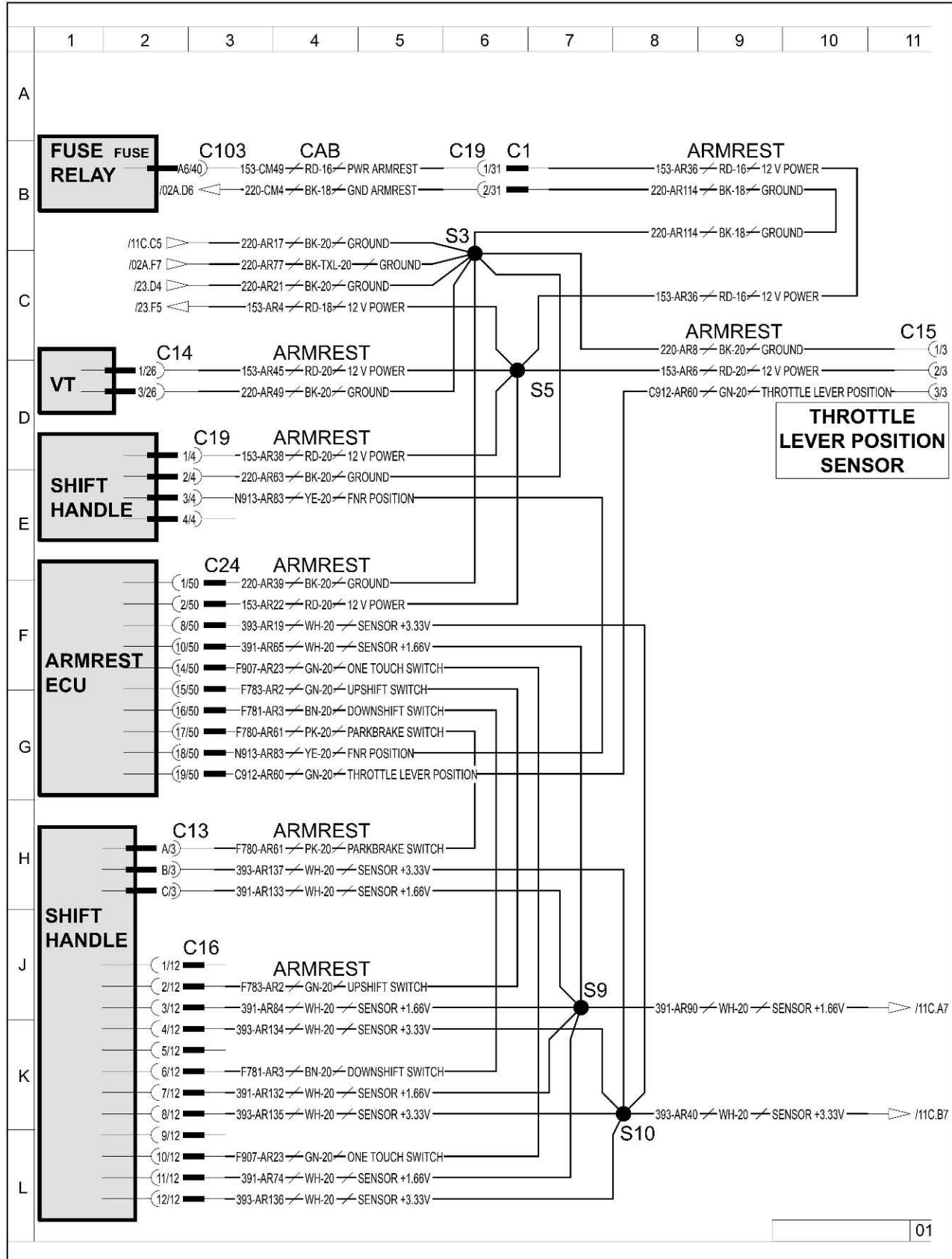


Fig. 7

18.2.4 Rear PTO switch

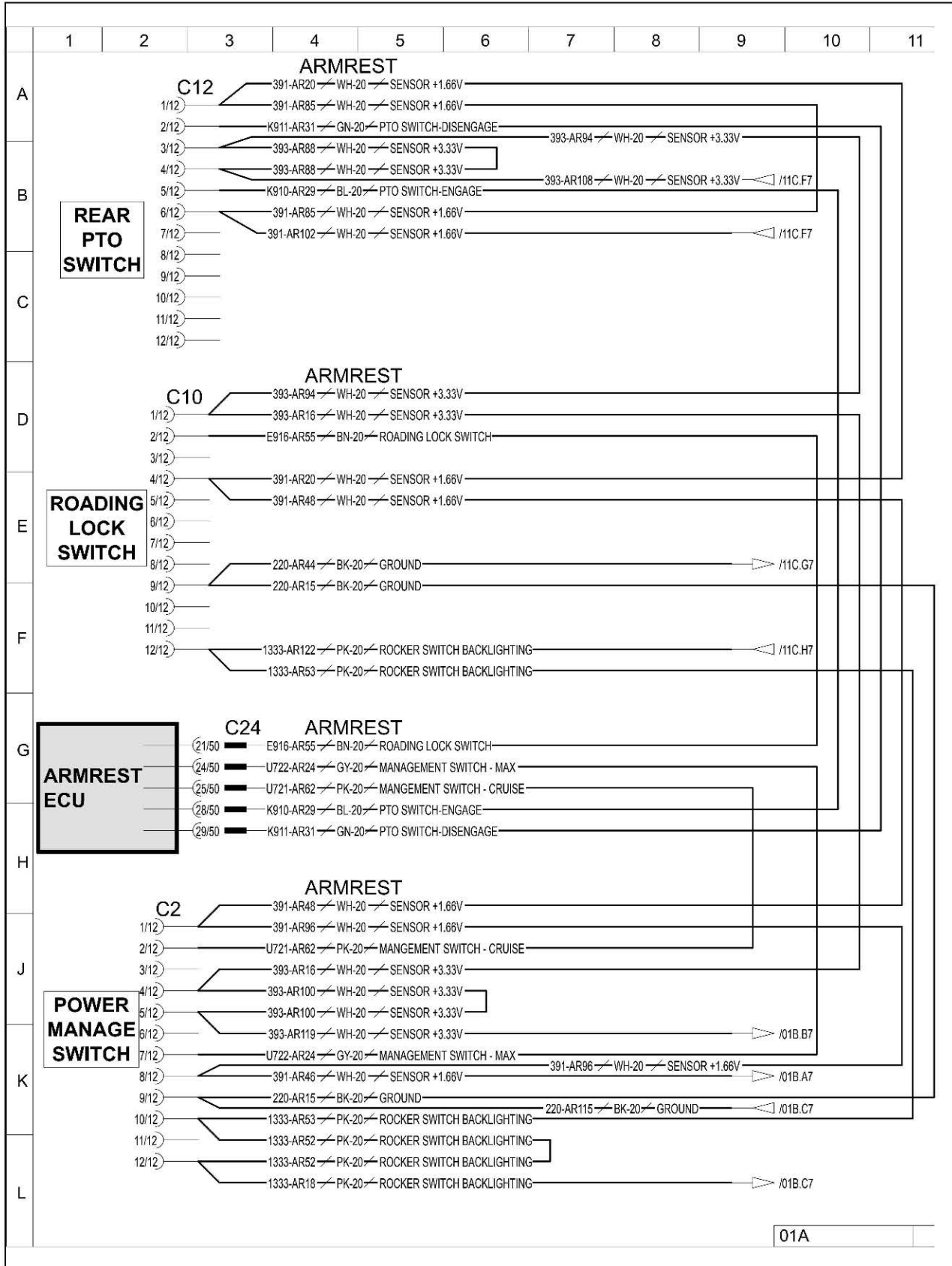


Fig. 8

18.2.5 Raise work switch

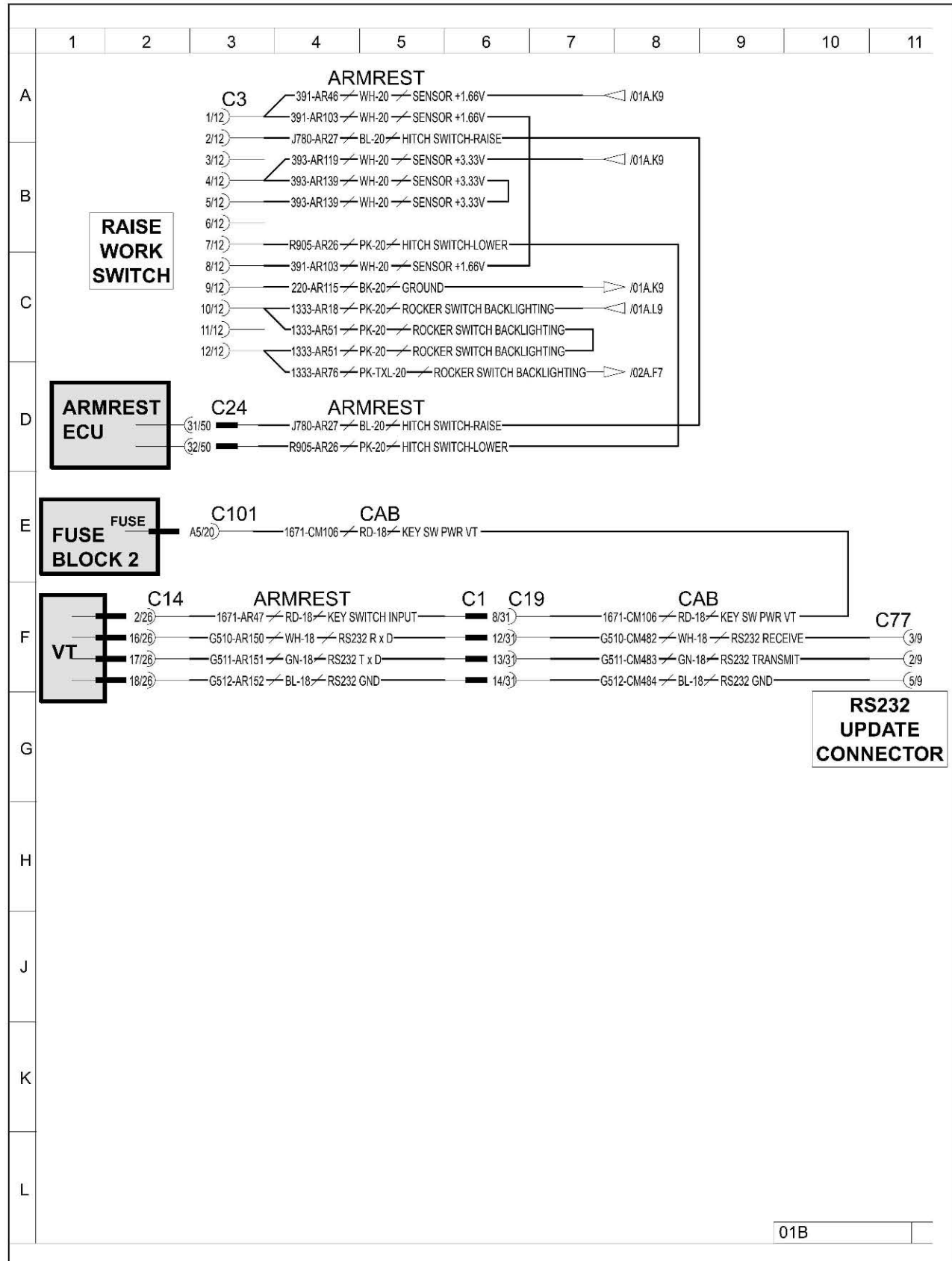


Fig. 9

18.2.6 Topcon X-30

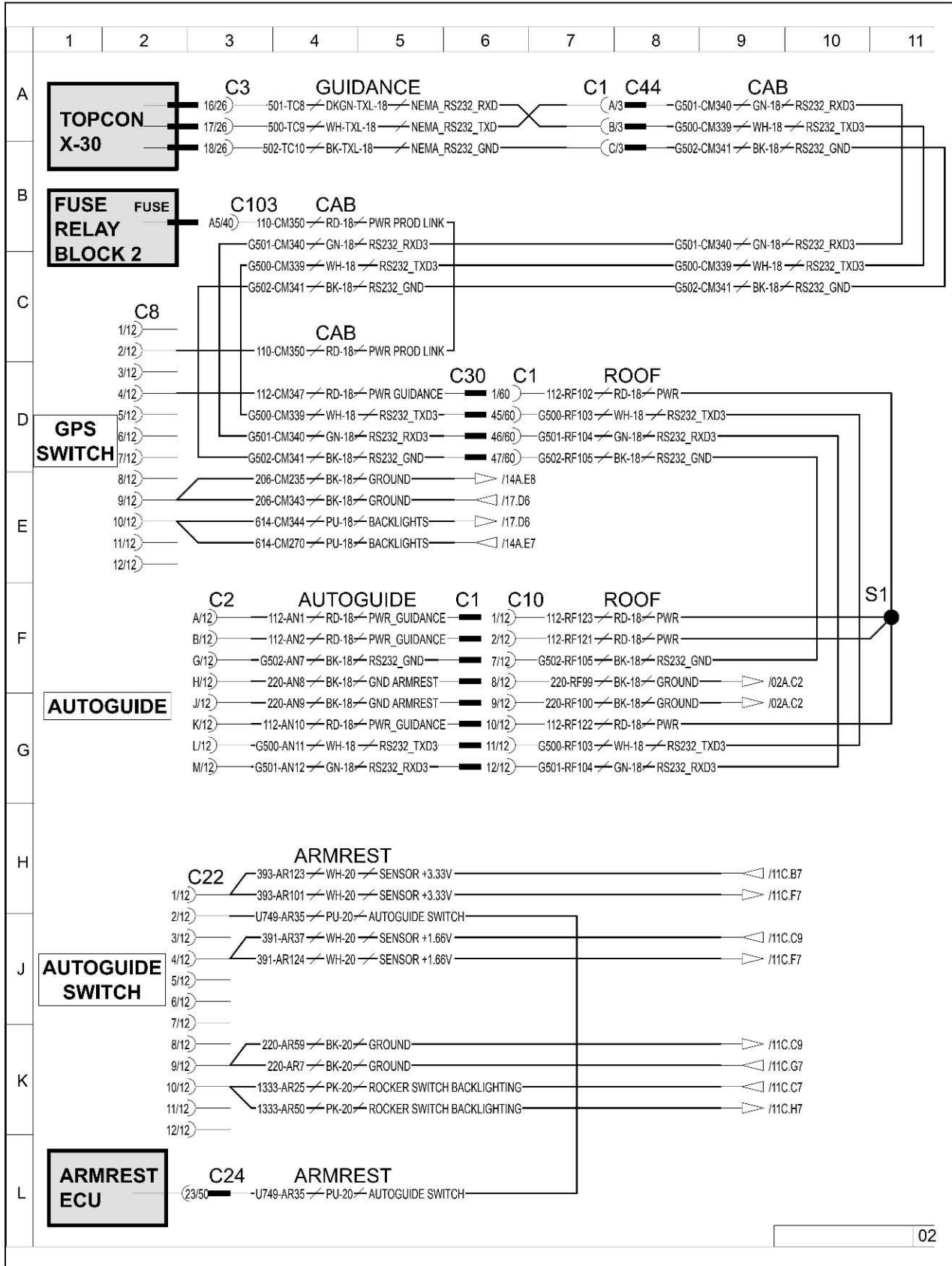


Fig. 10

18.2.7 Armrest 1

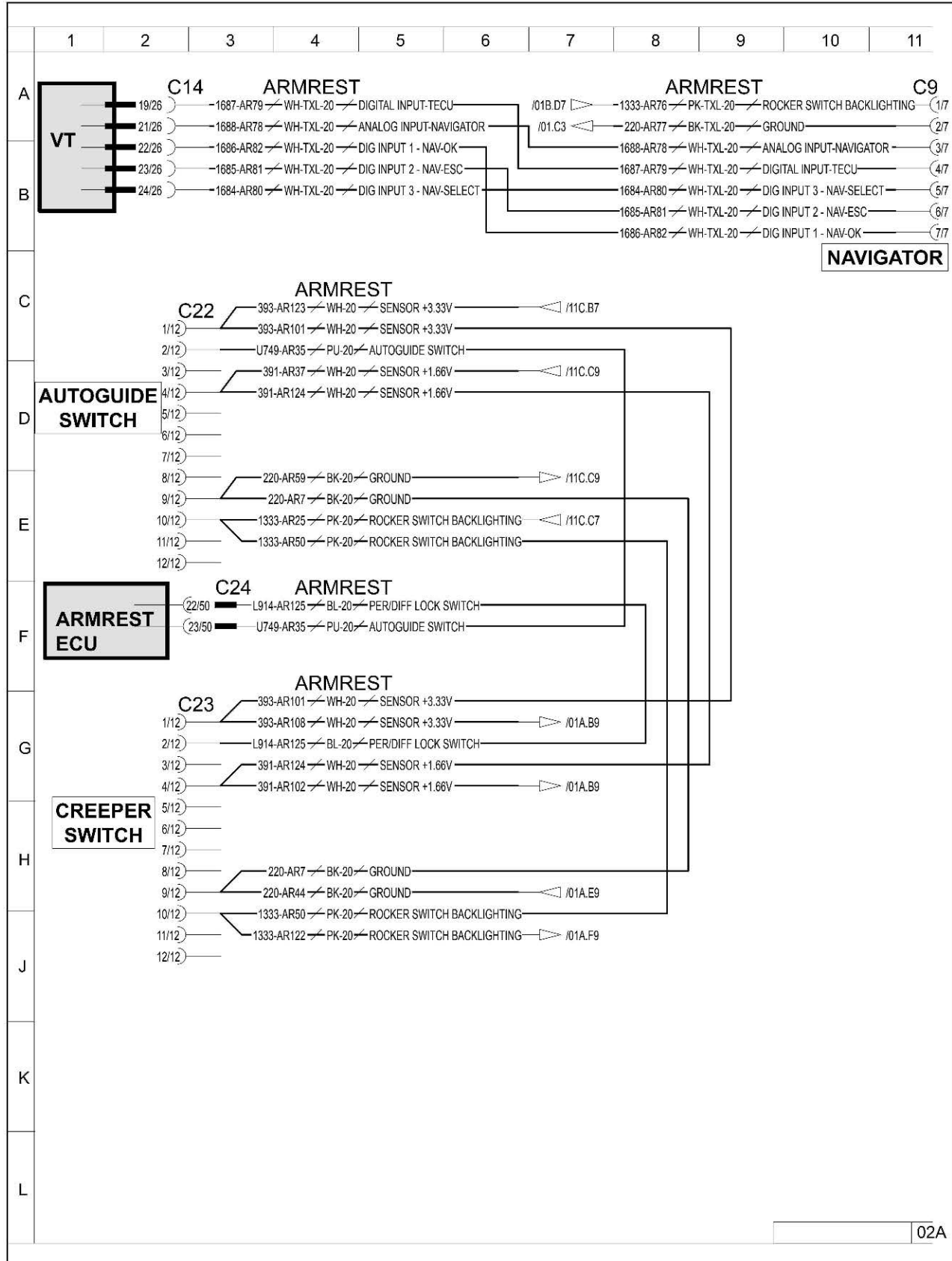


Fig. 11

18.2.8 Roof controller

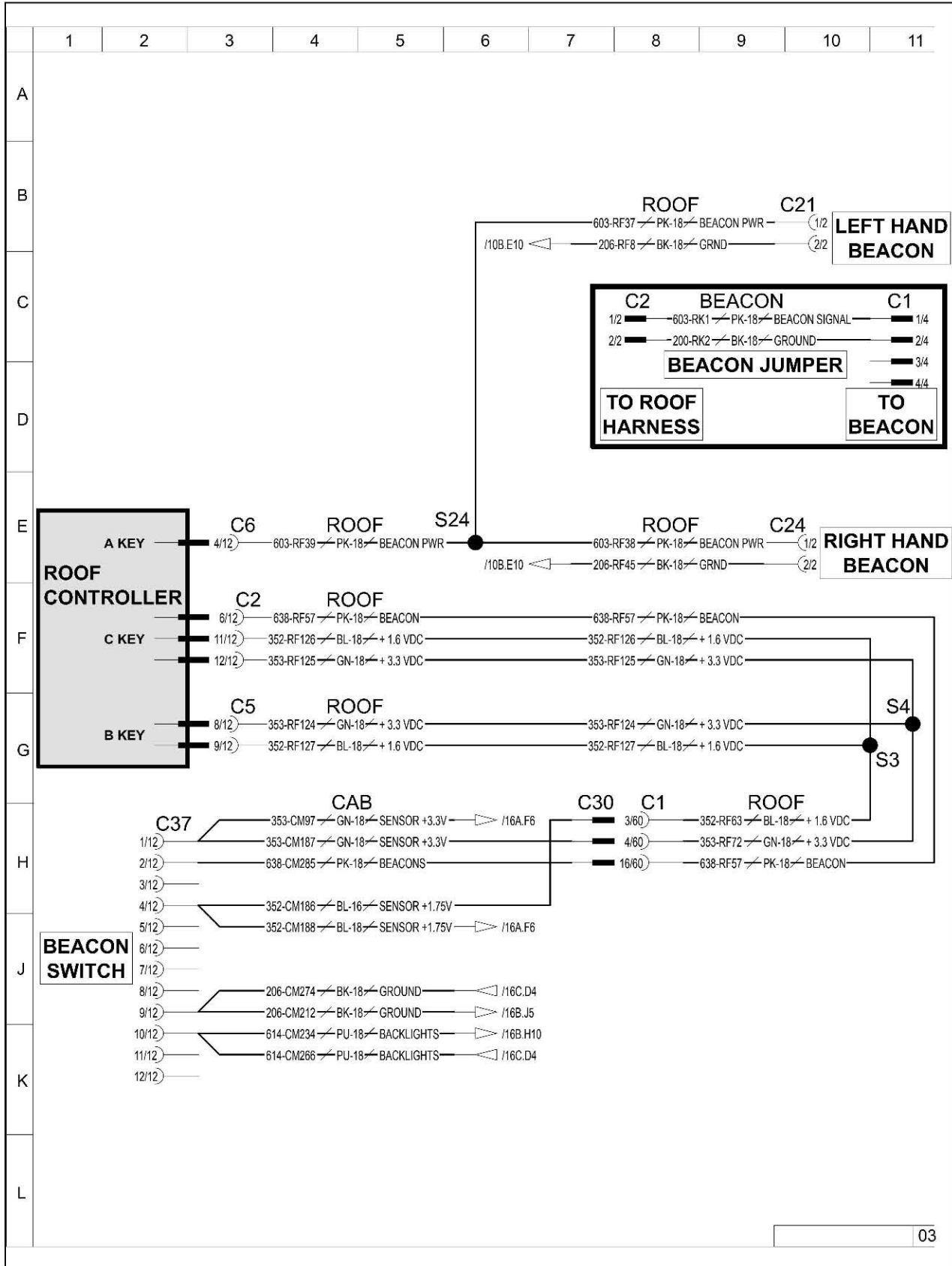


Fig. 12

18.2.9 Park brake

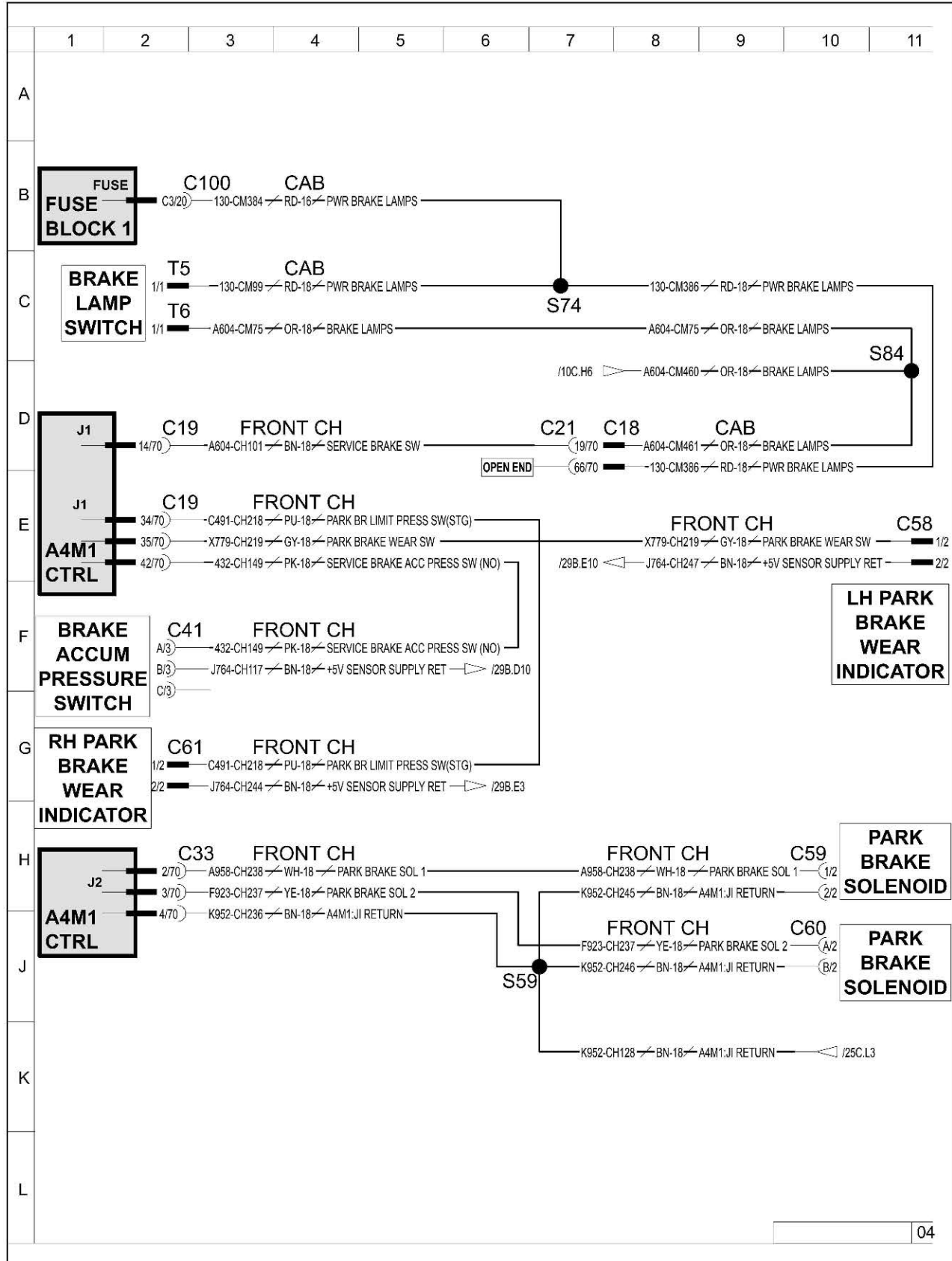


Fig. 13

18.2.10 Engine control module 1

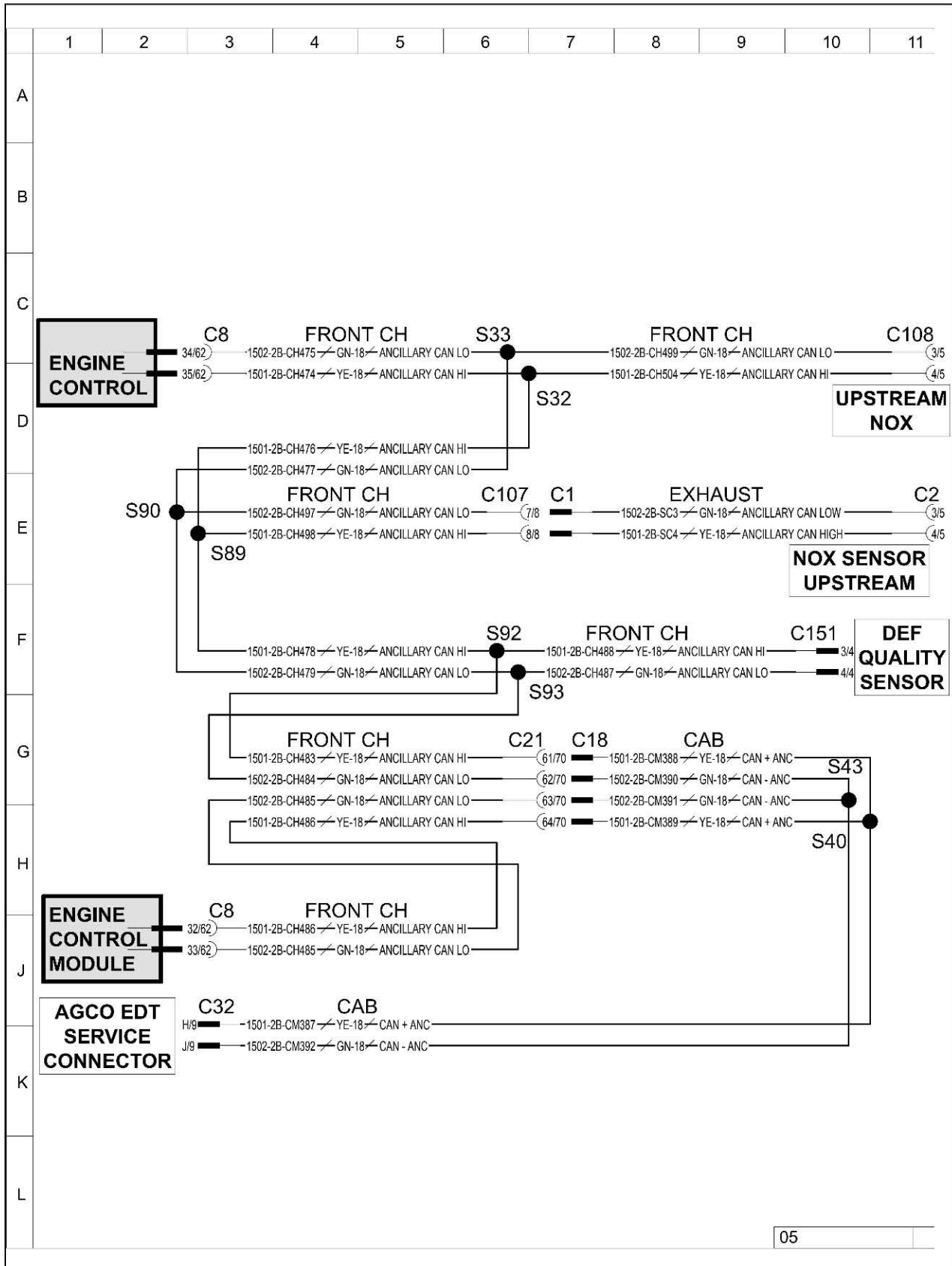


Fig. 14

18.2.12 Dash cluster

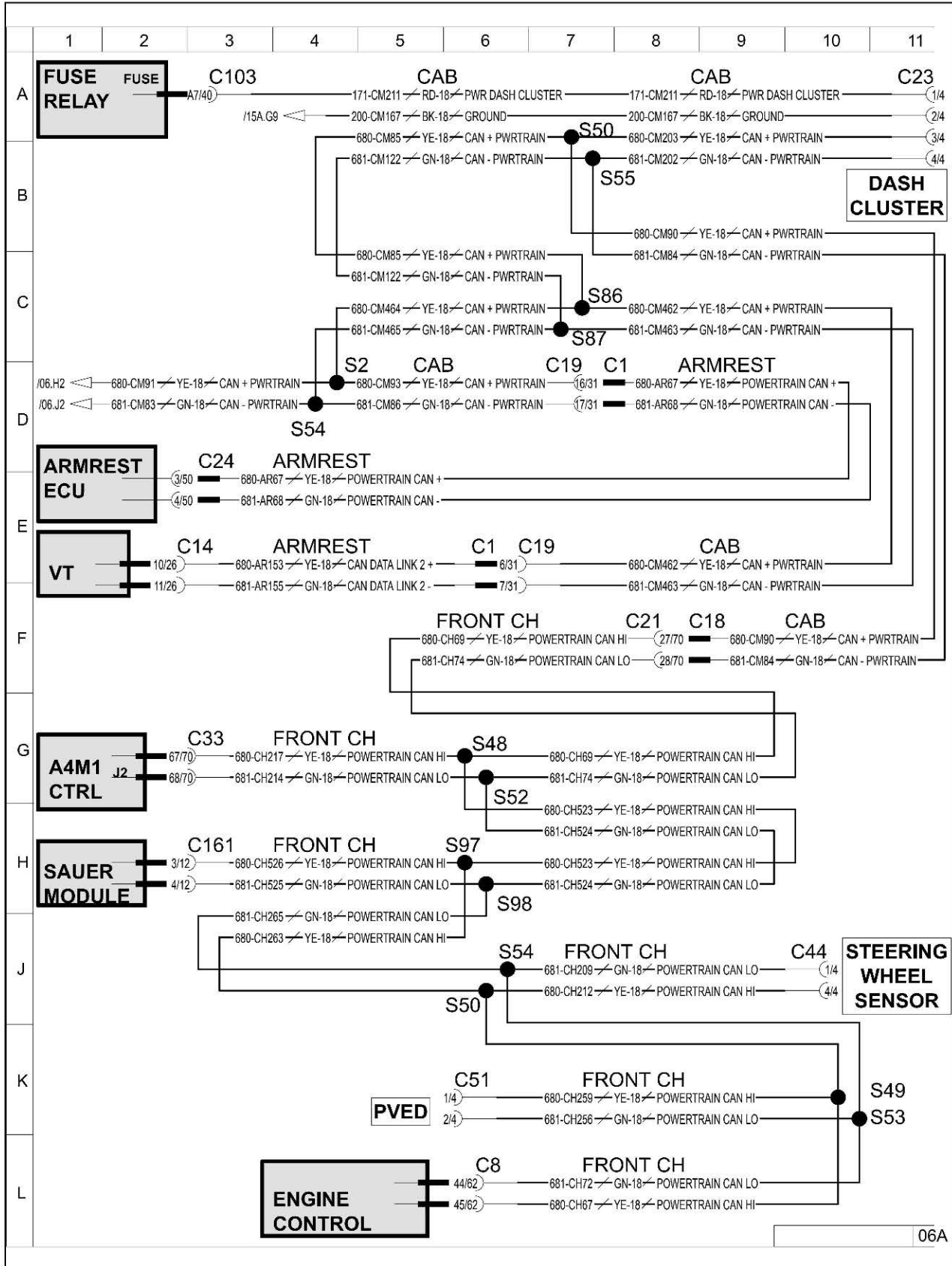


Fig. 16

18.2.13 Implement solenoids

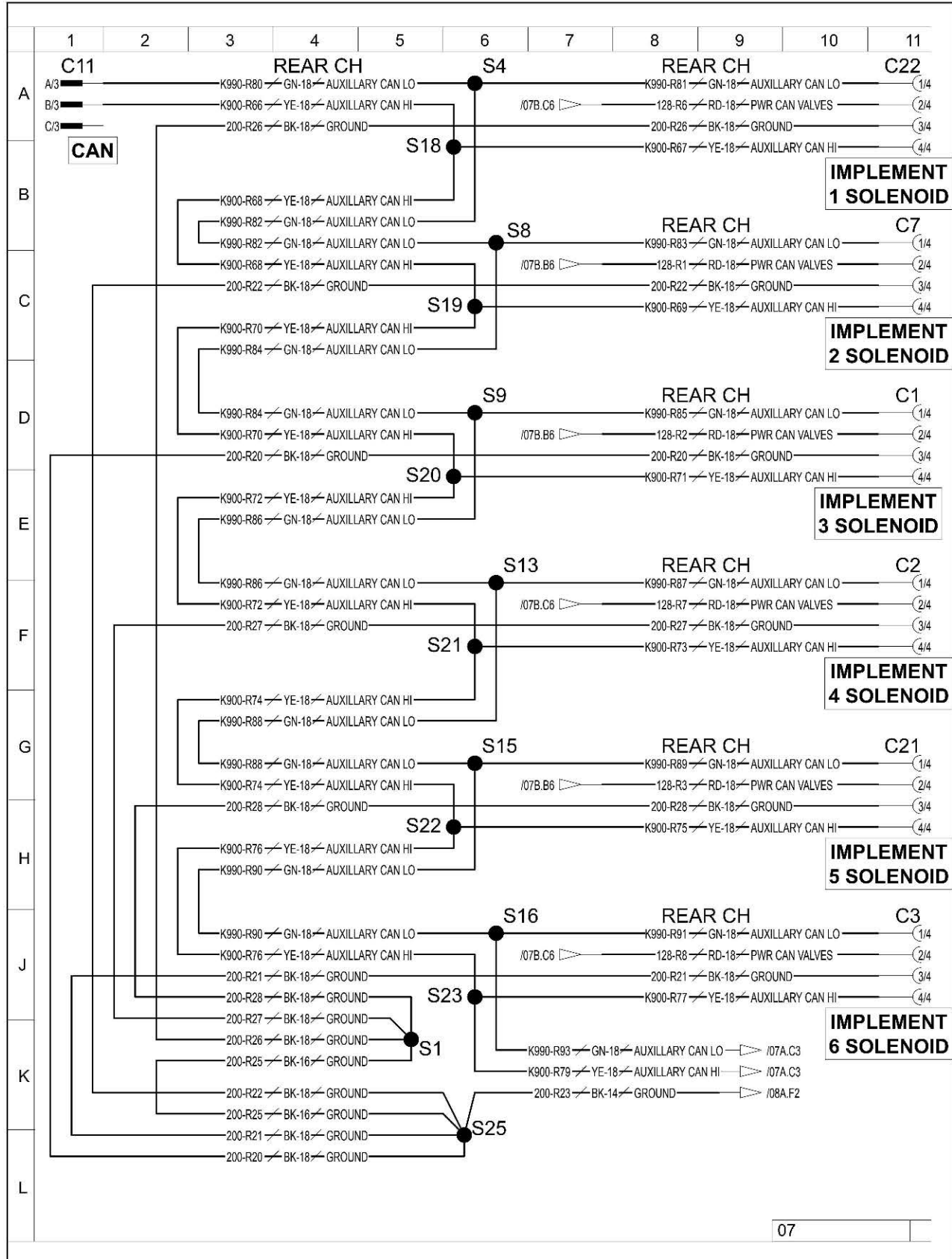


Fig. 17

18.2.14 Front and rear lighting

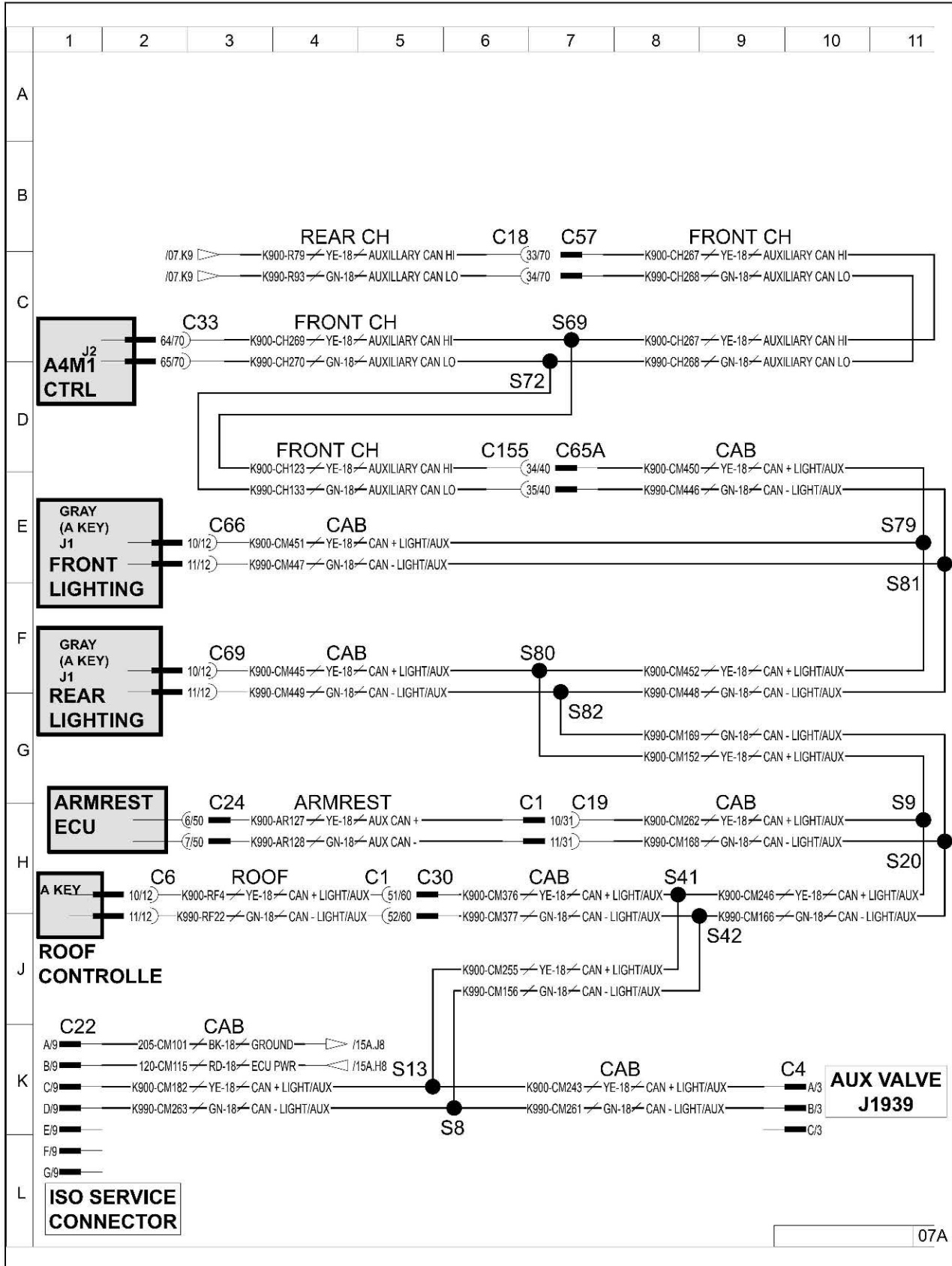


Fig. 18

18.2.15 Fuse block 2

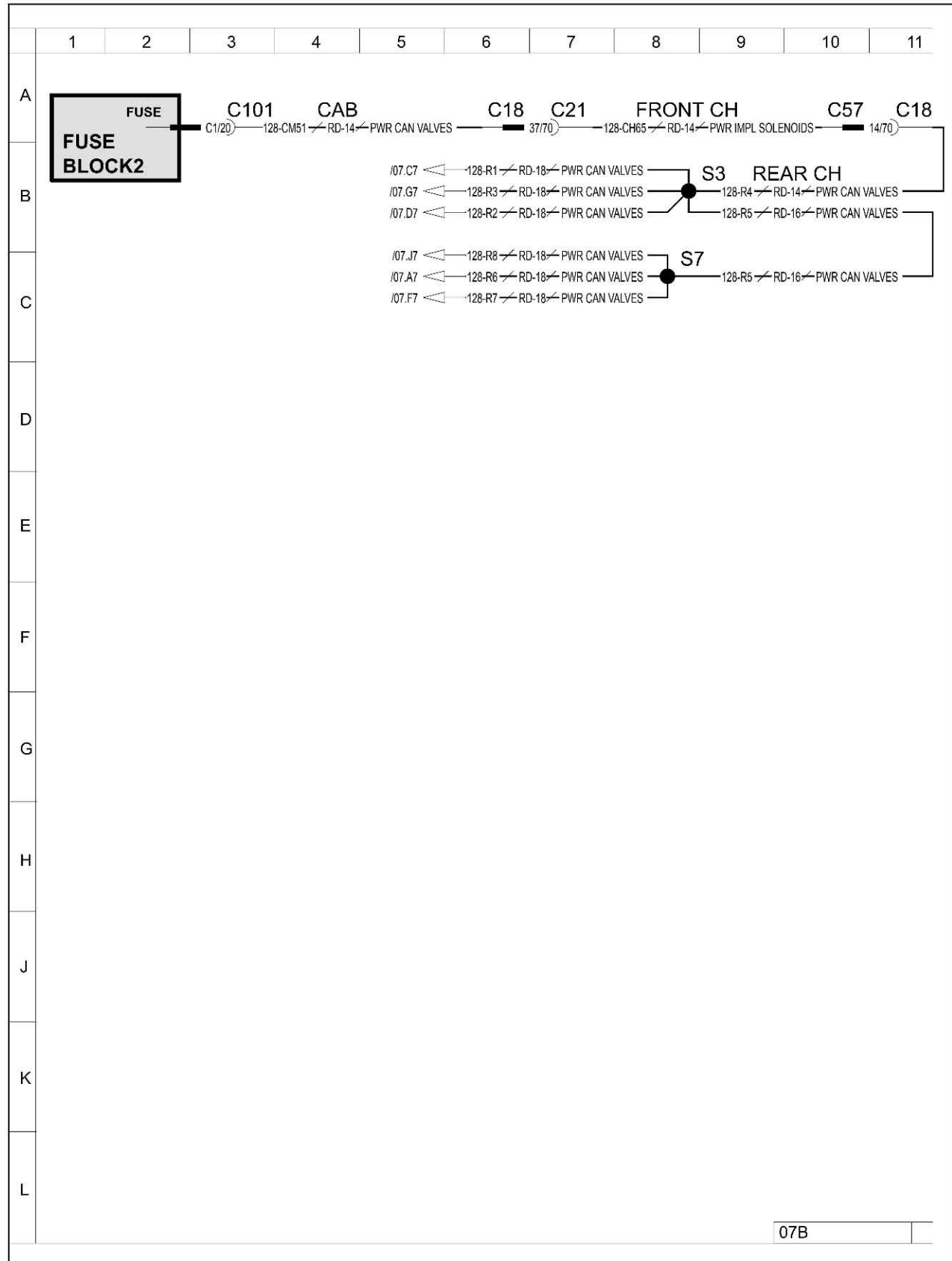


Fig. 19

18.2.16 ISO service connector

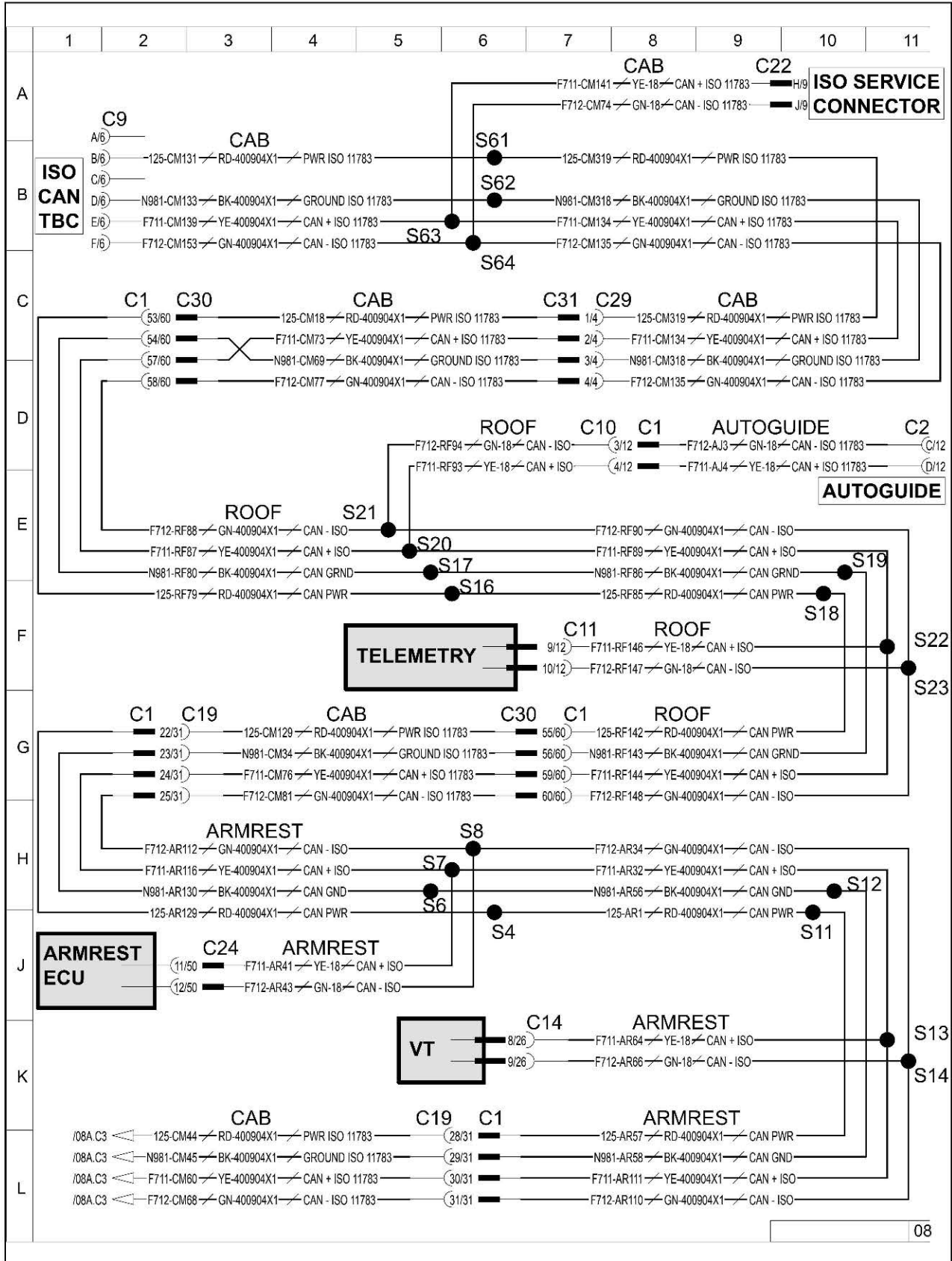


Fig. 20

18.2.17 ISO implement connector

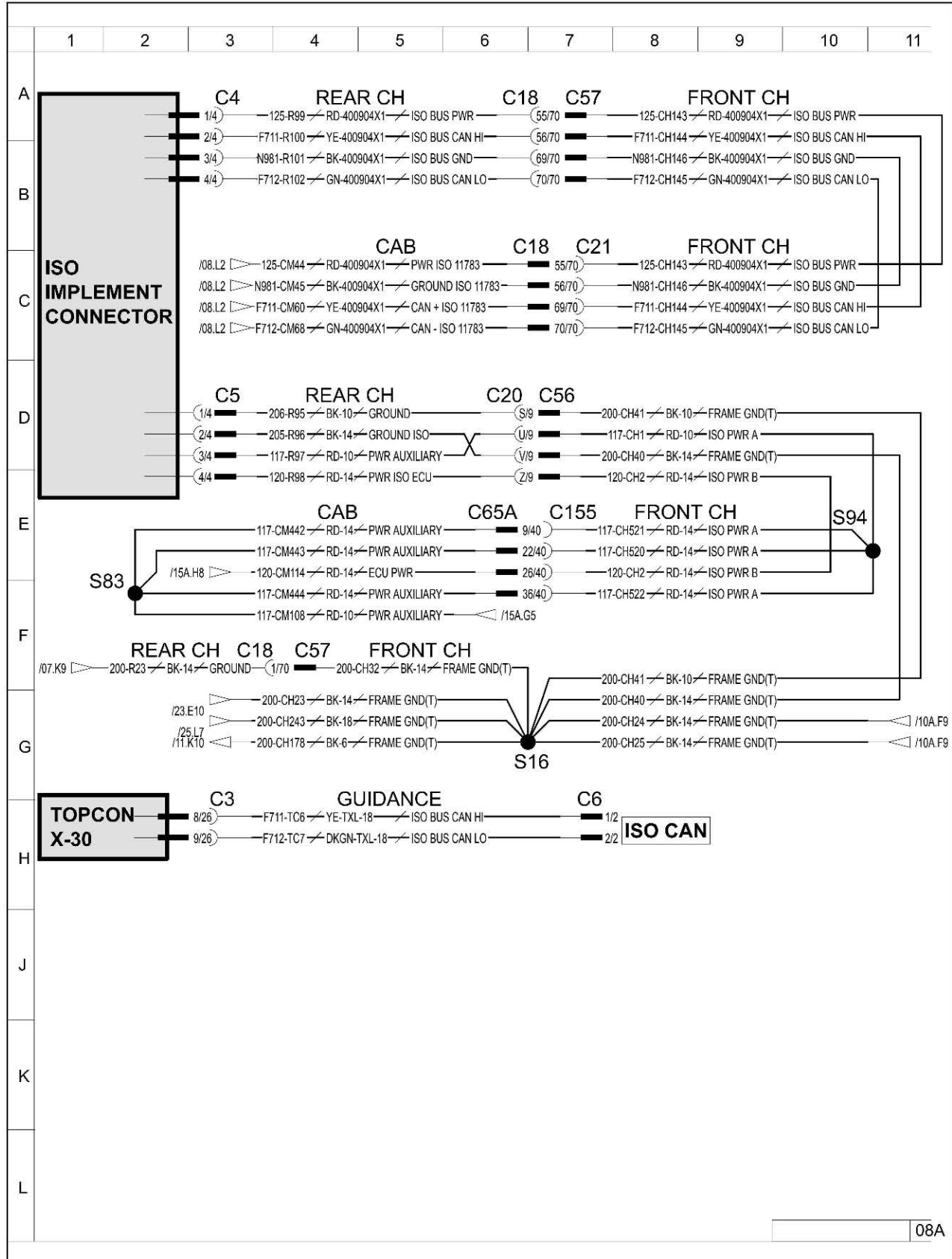
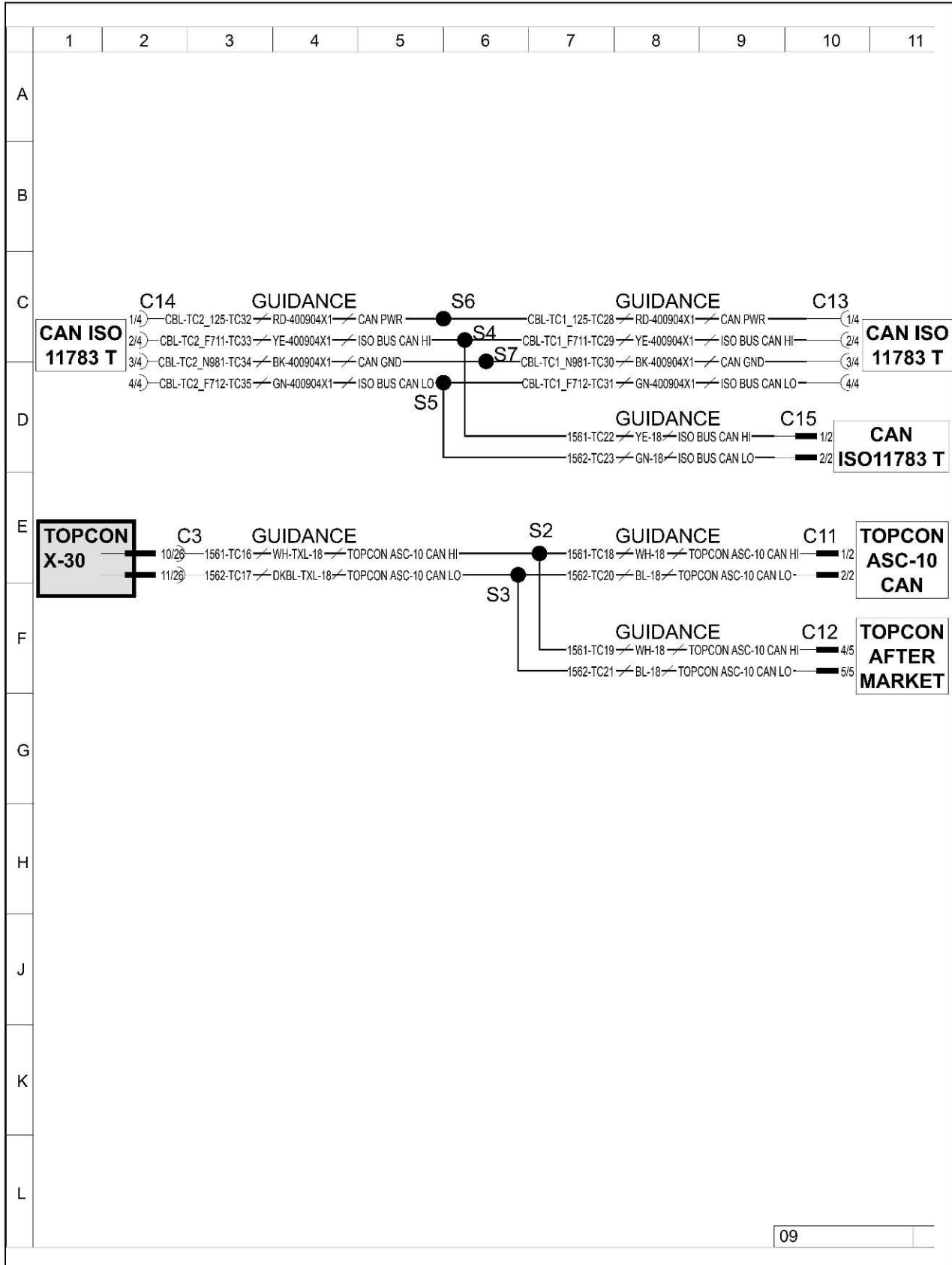


Fig. 21

18.2.18 Guidance



09

Fig. 22

18.2.19 Front lighting ECU

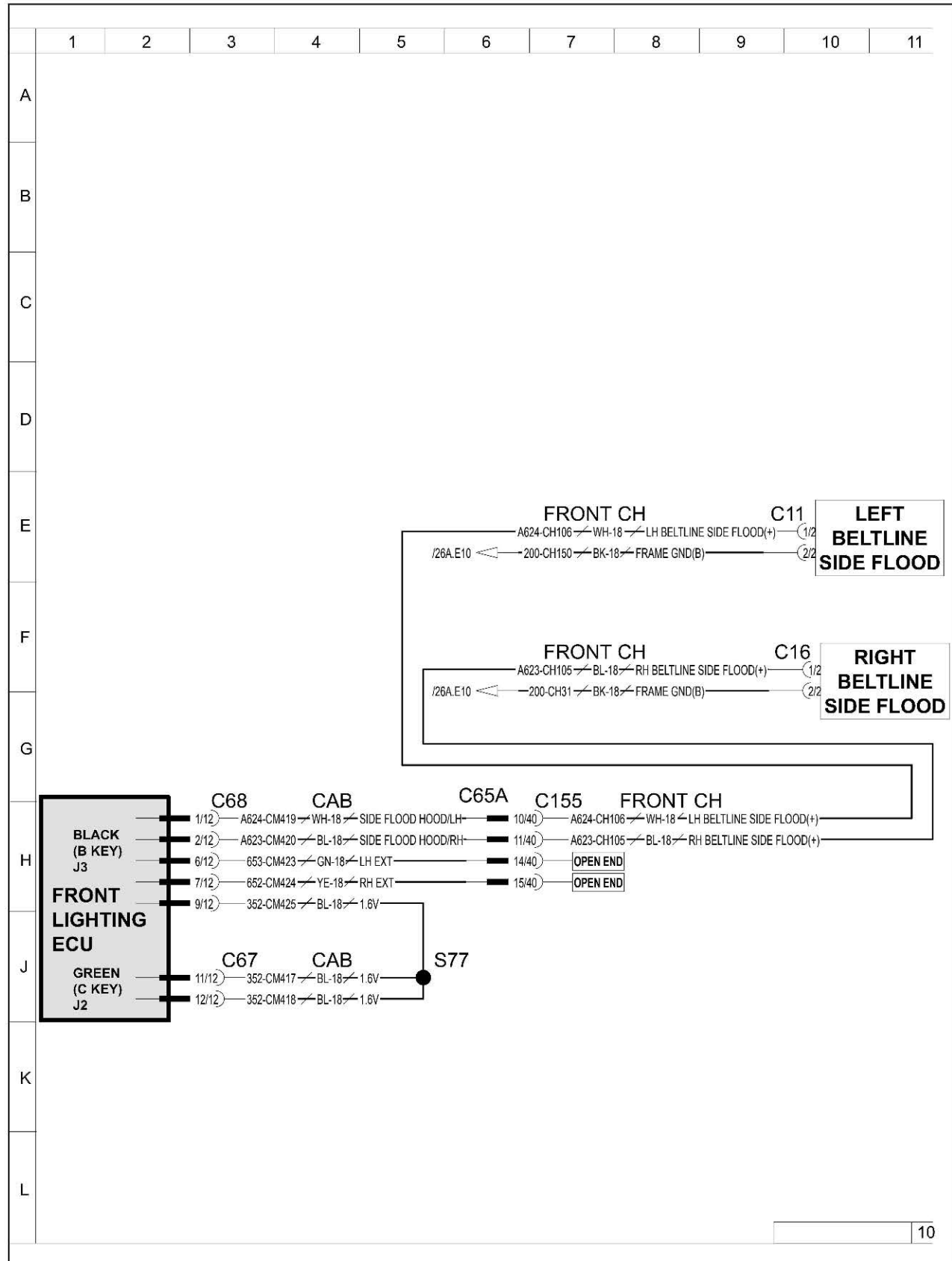


Fig. 23

18.2.22 Cab

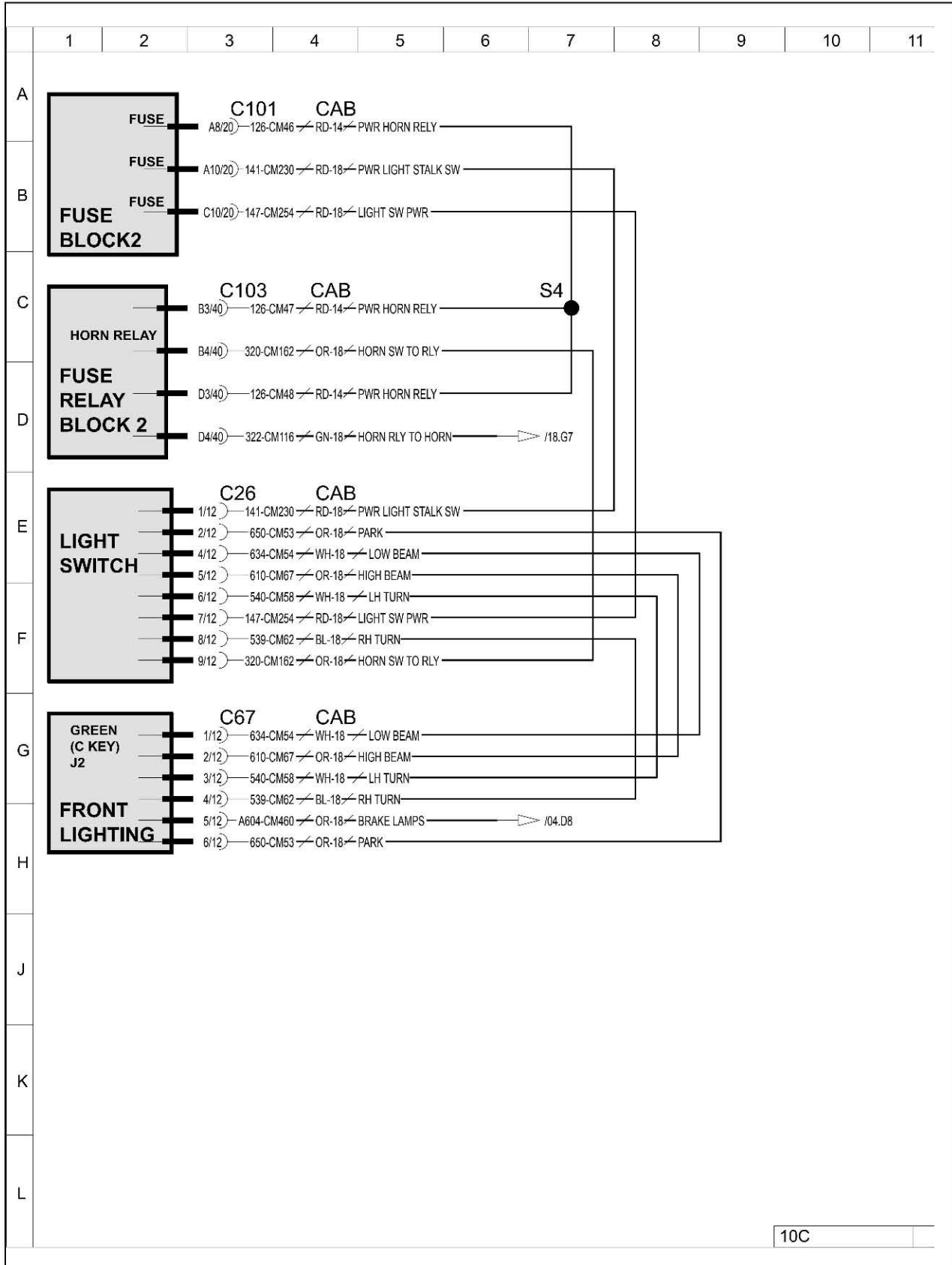


Fig. 26

18.2.23 Exhaust and NOX sensor

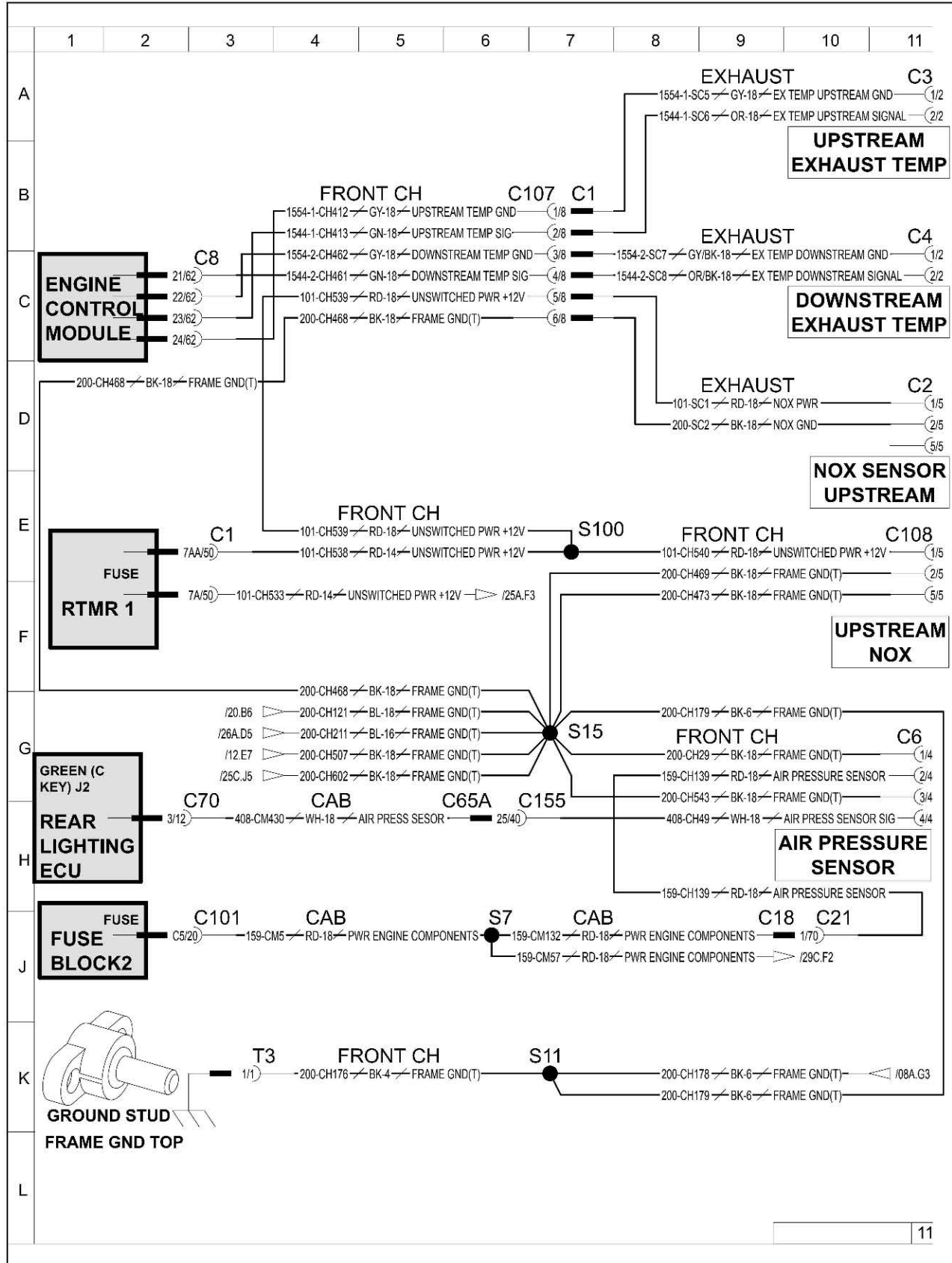


Fig. 27

18.2.24 Engine Control Module 2

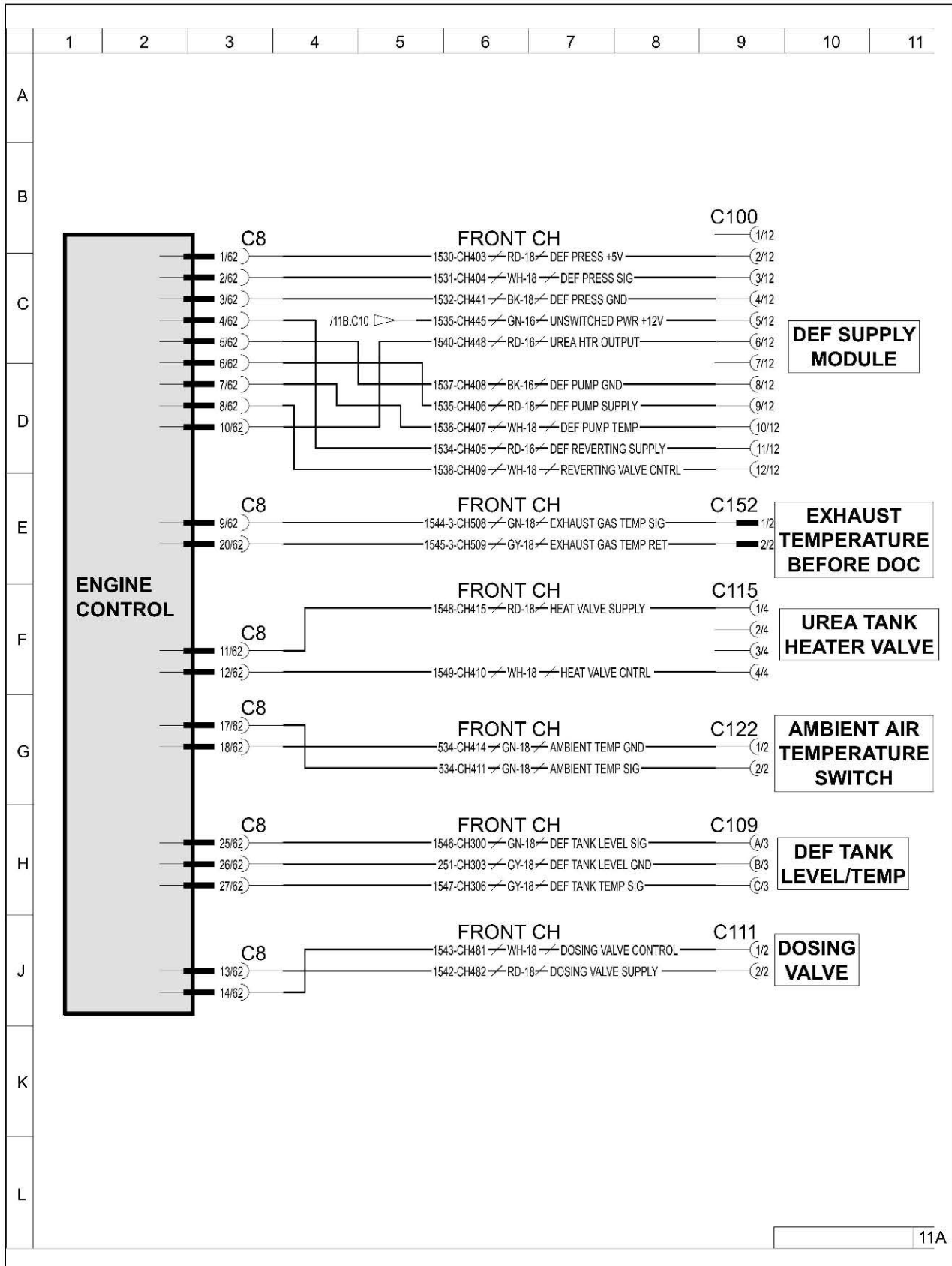


Fig. 28

18.2.25 Engine control module

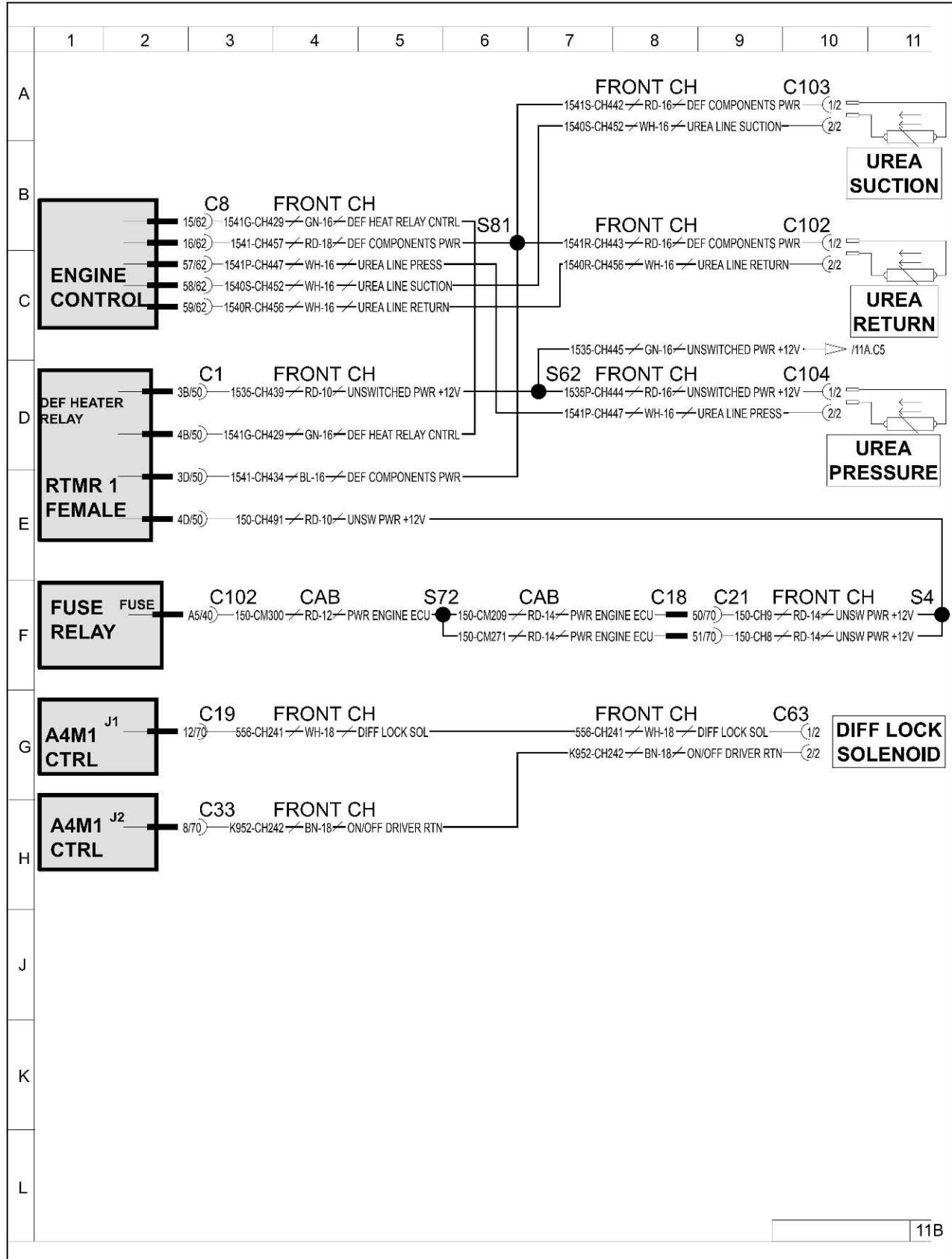


Fig. 29

18.2.26 Engine AB switch

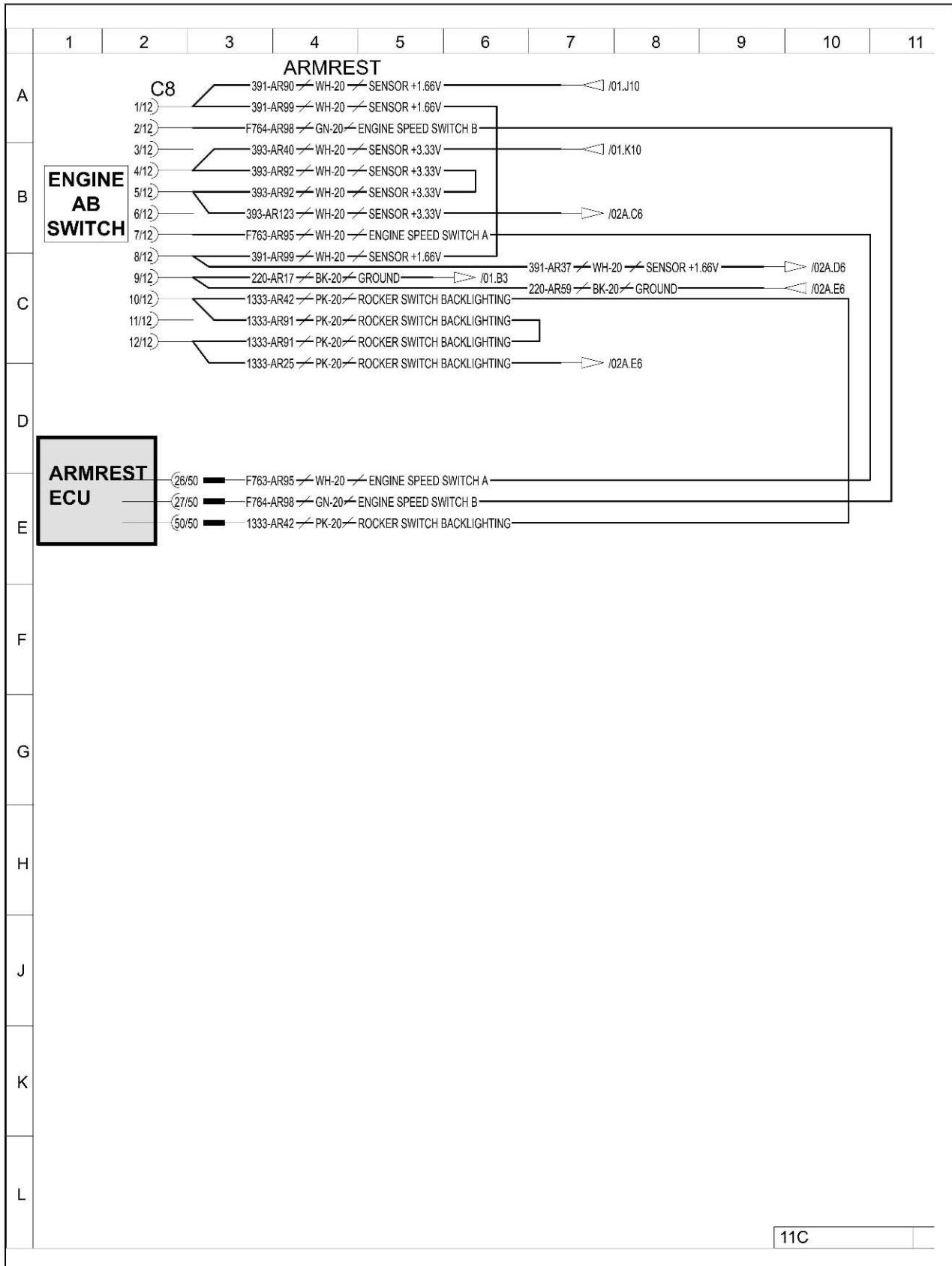


Fig. 30

18.2.27 Fan control

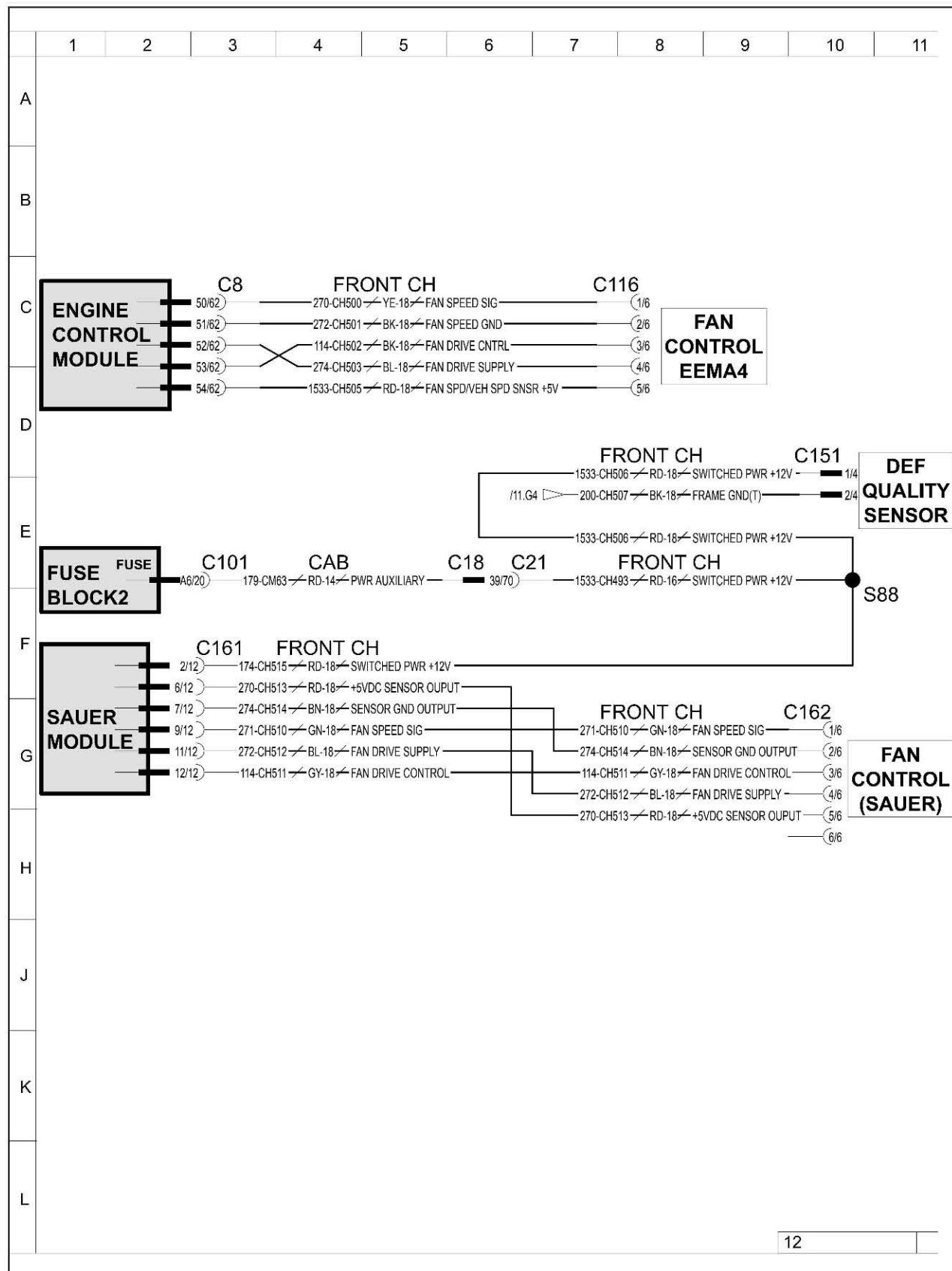


Fig. 31

18.2.28 Fuel line sensor

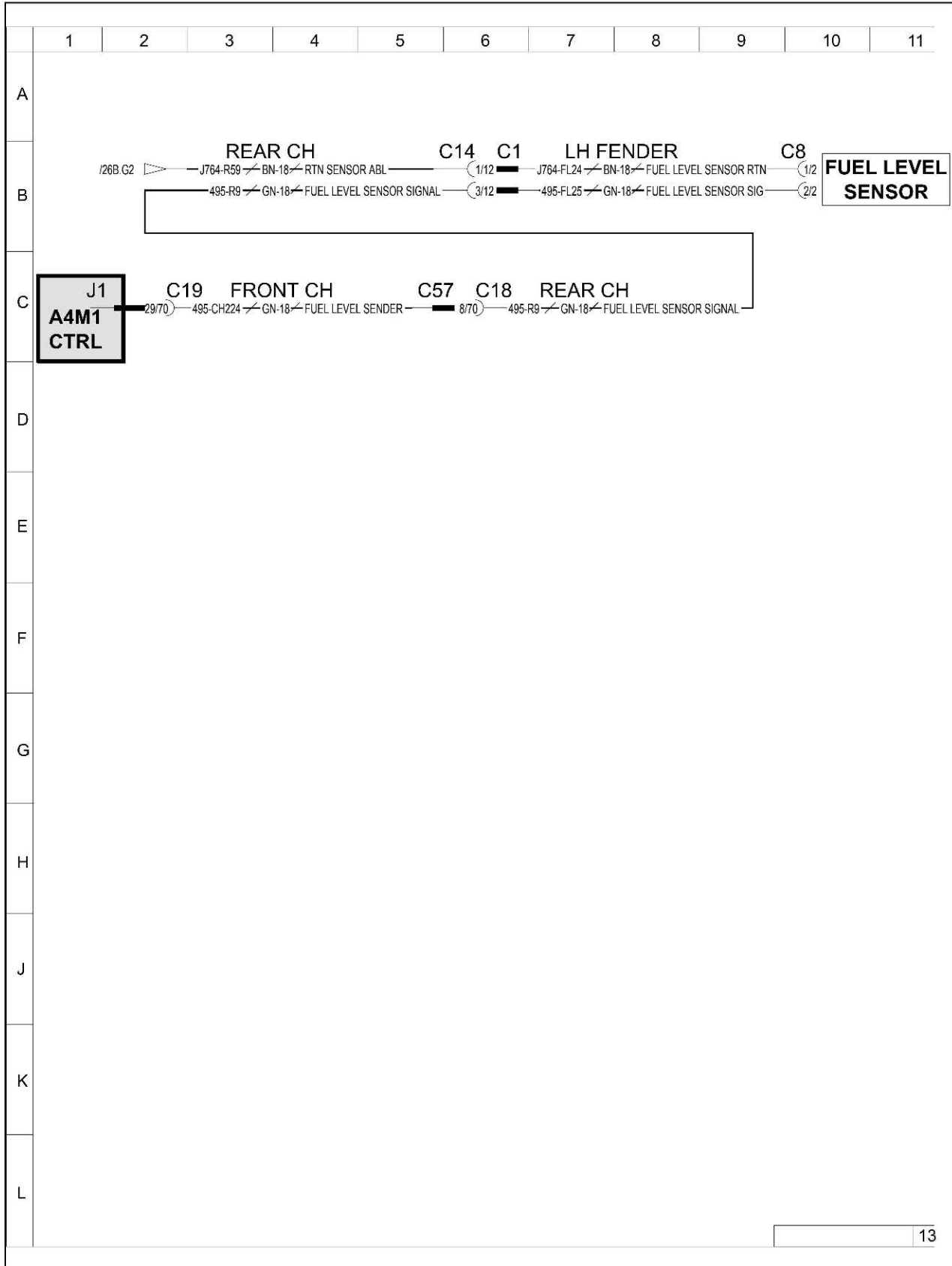


Fig. 32

18.2.29 Standard conditioner group

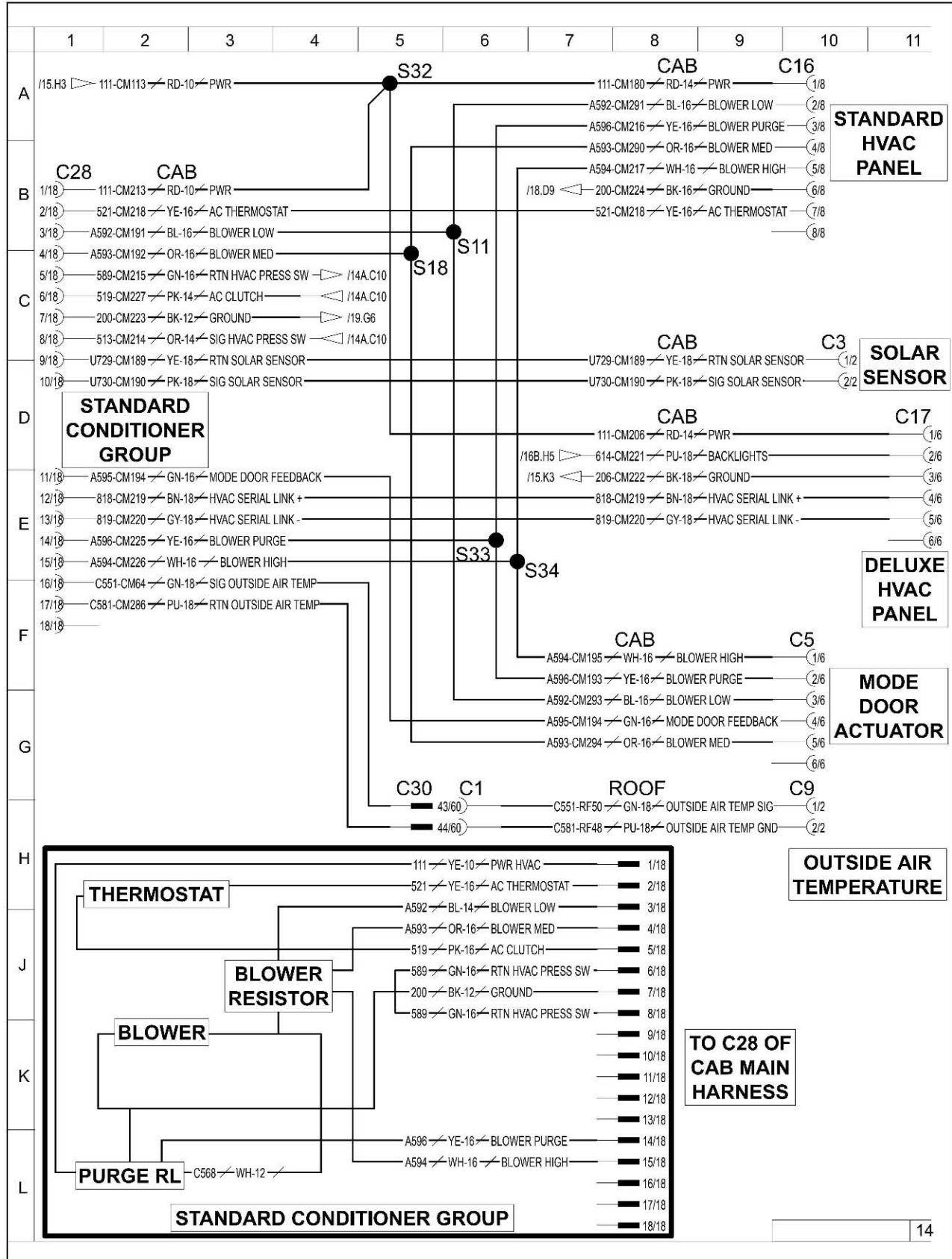


Fig. 33

18.2.30 HVAC high pressure switch

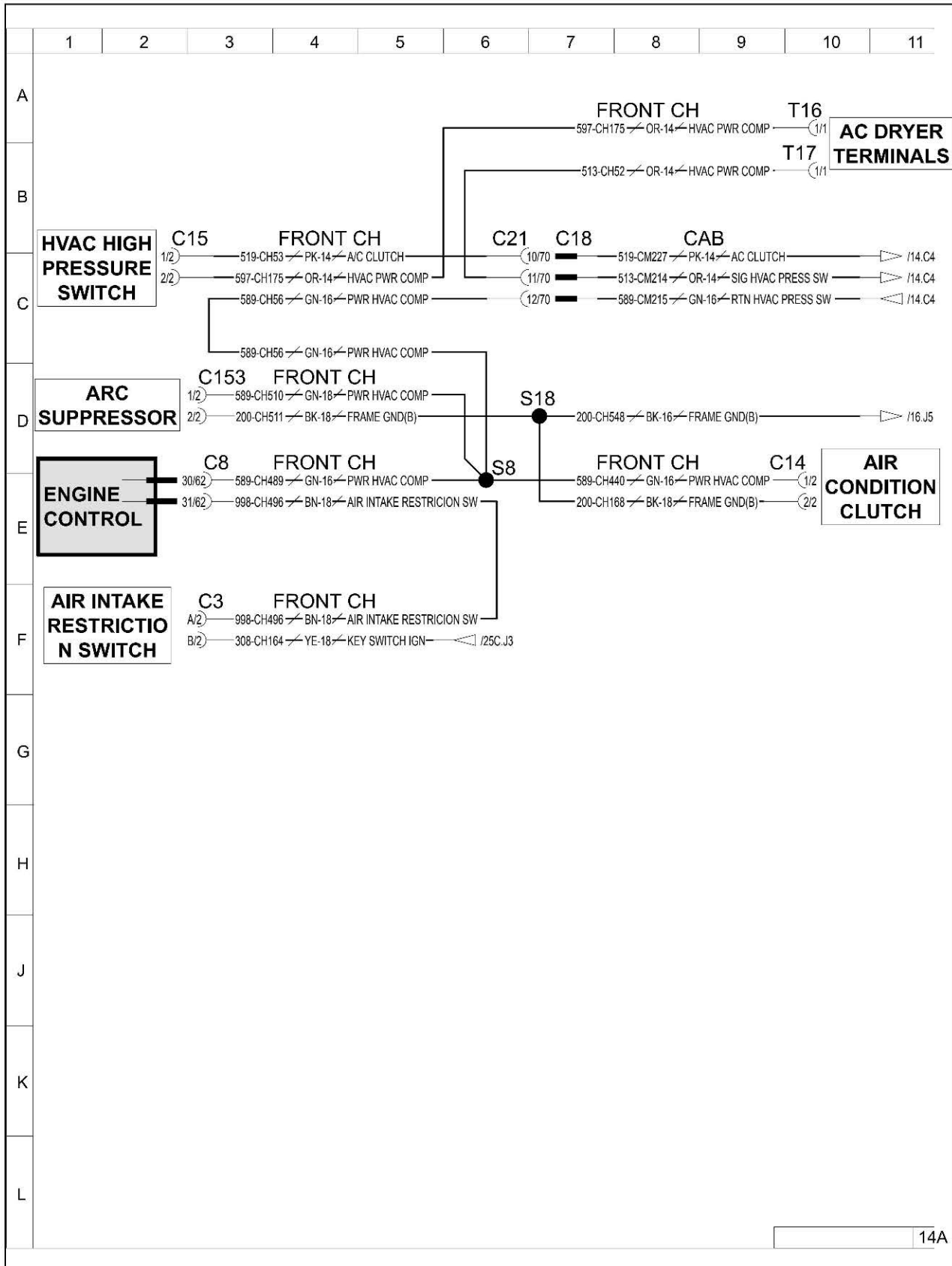


Fig. 34

18.2.31 HVAC deluxe module

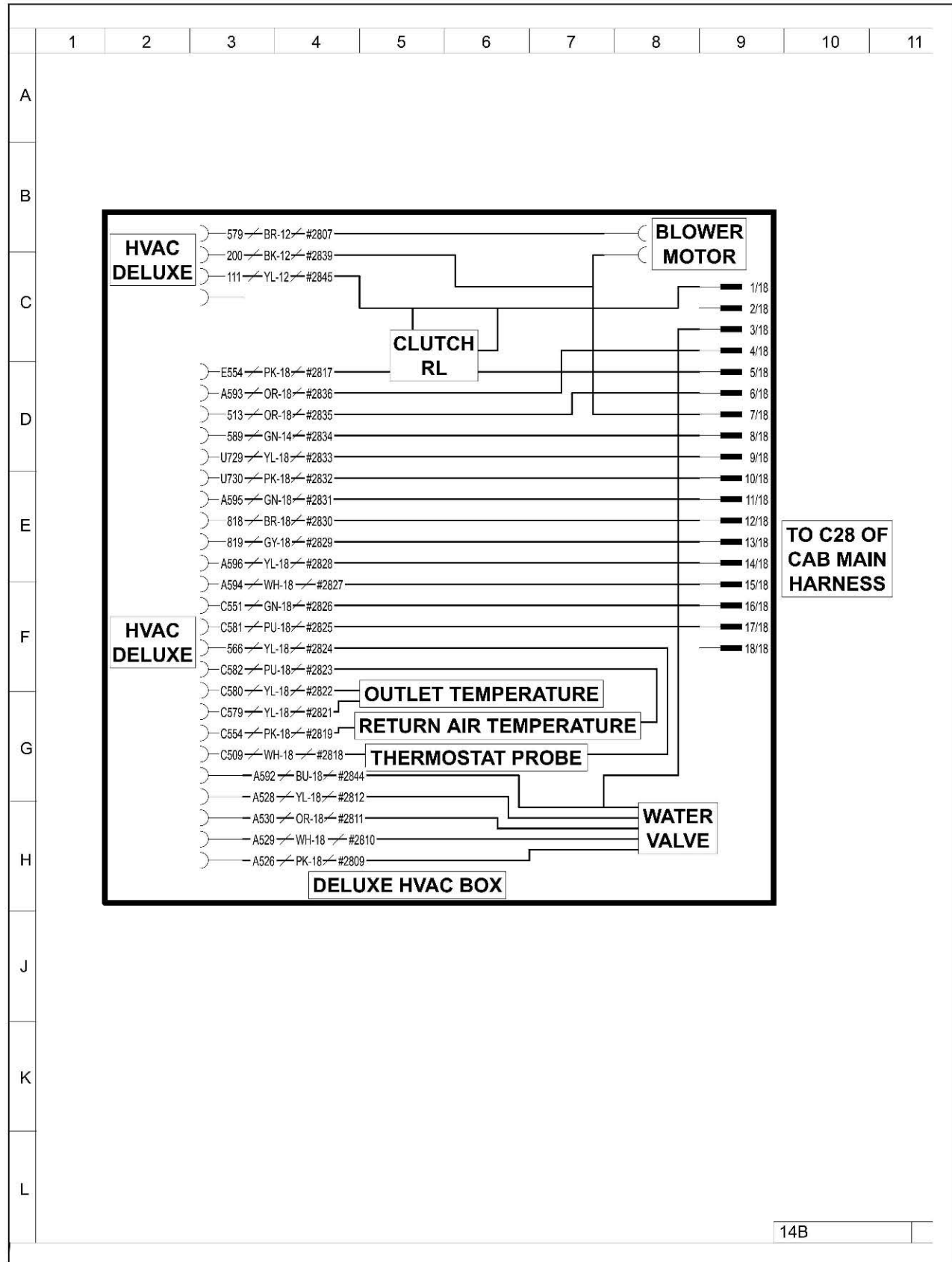


Fig. 35

18.2.32 Cab unswitched power

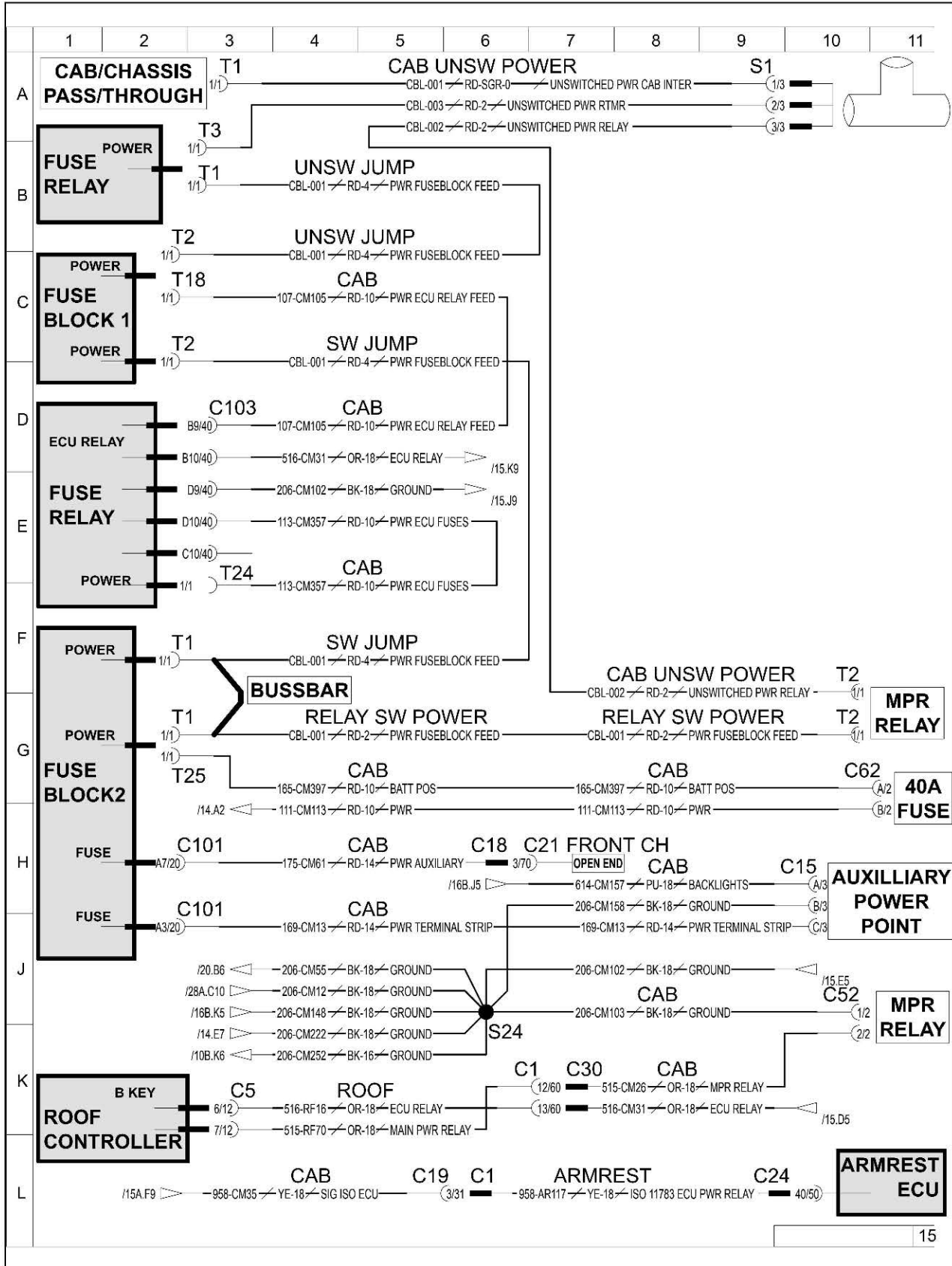


Fig. 36

18.2.33 Belt line flood lights

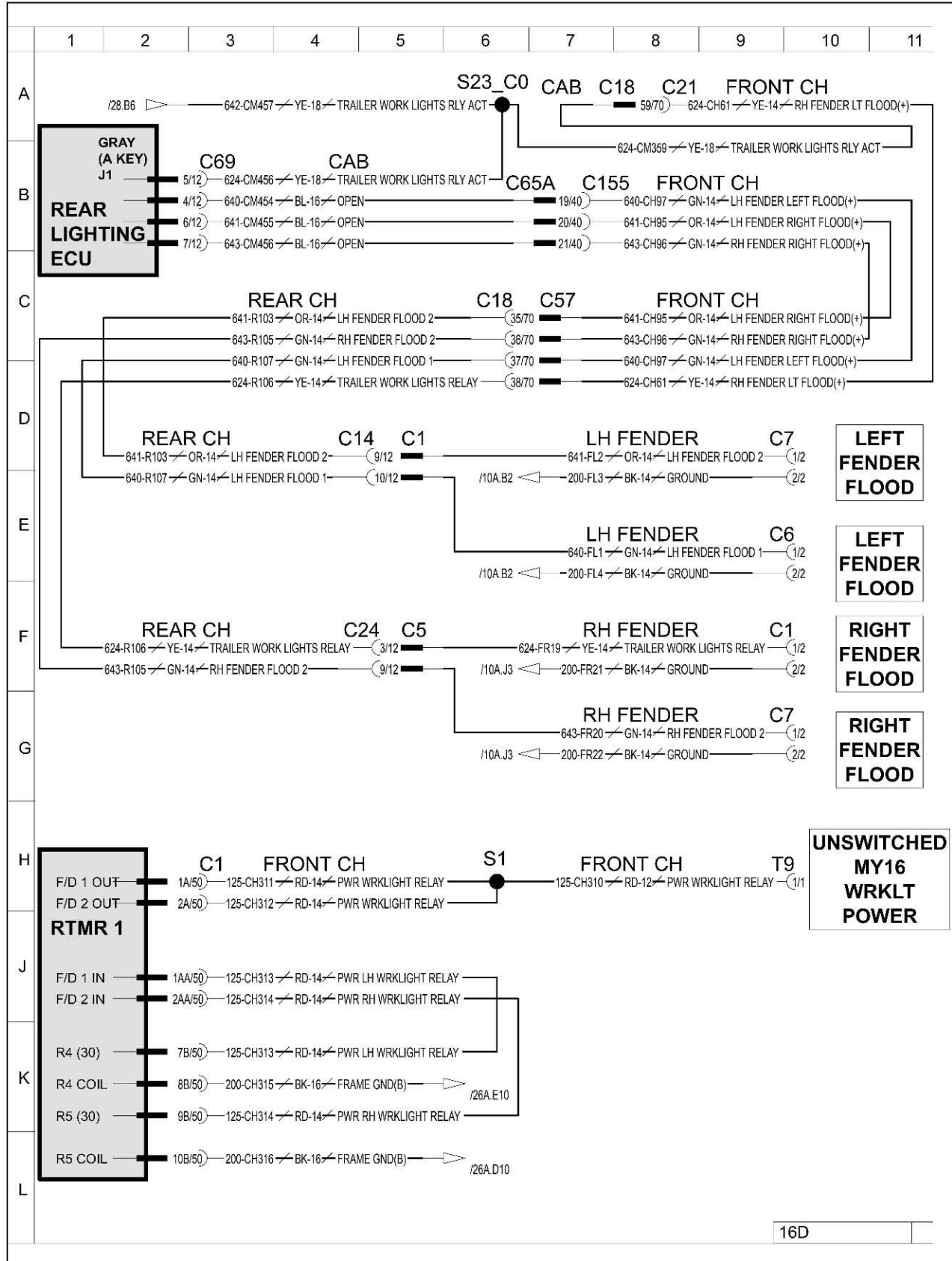


Fig. 37

18.2.34 Hood lighting

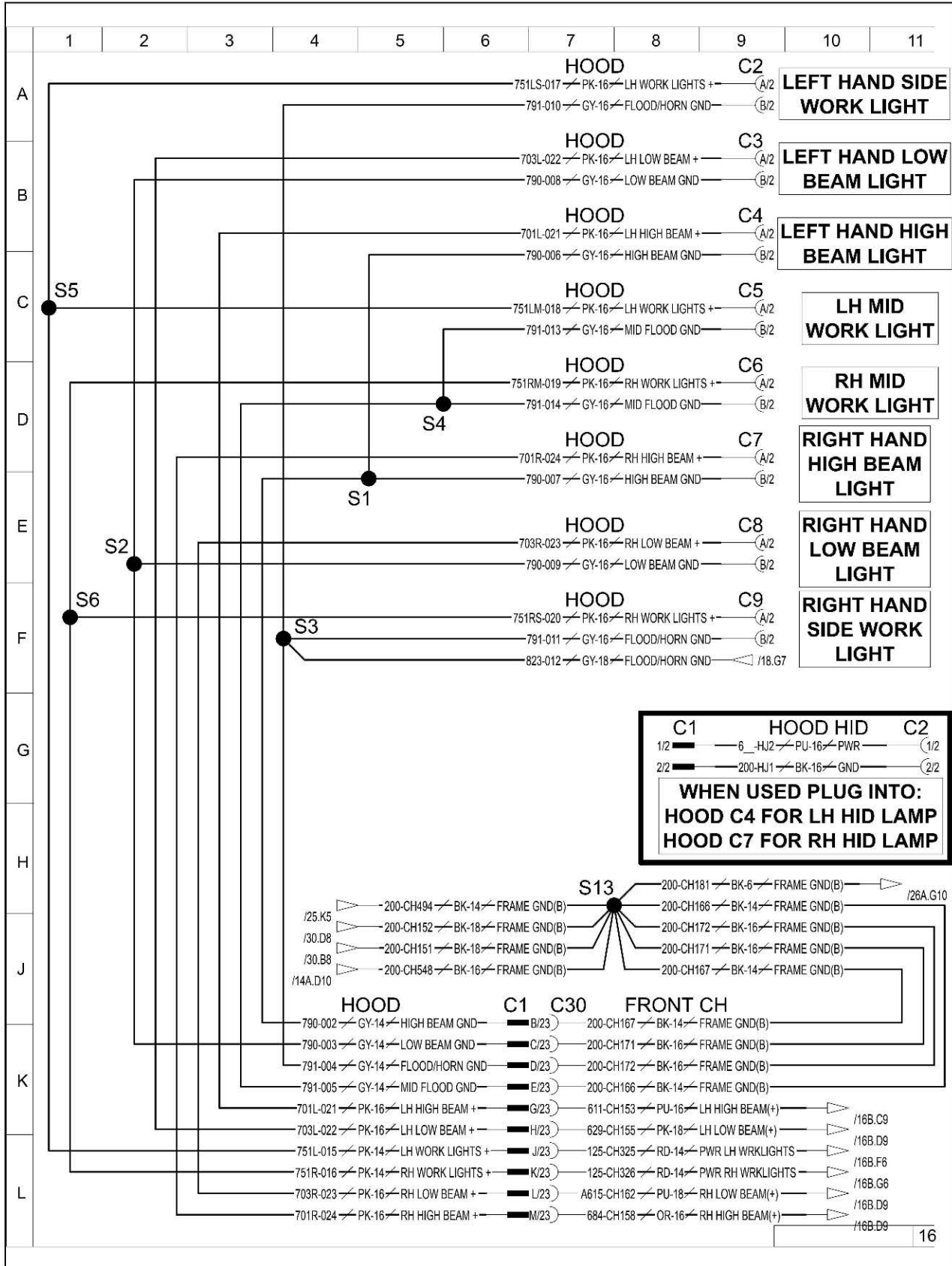


Fig. 38

18.2.35 Flood and hazard switch

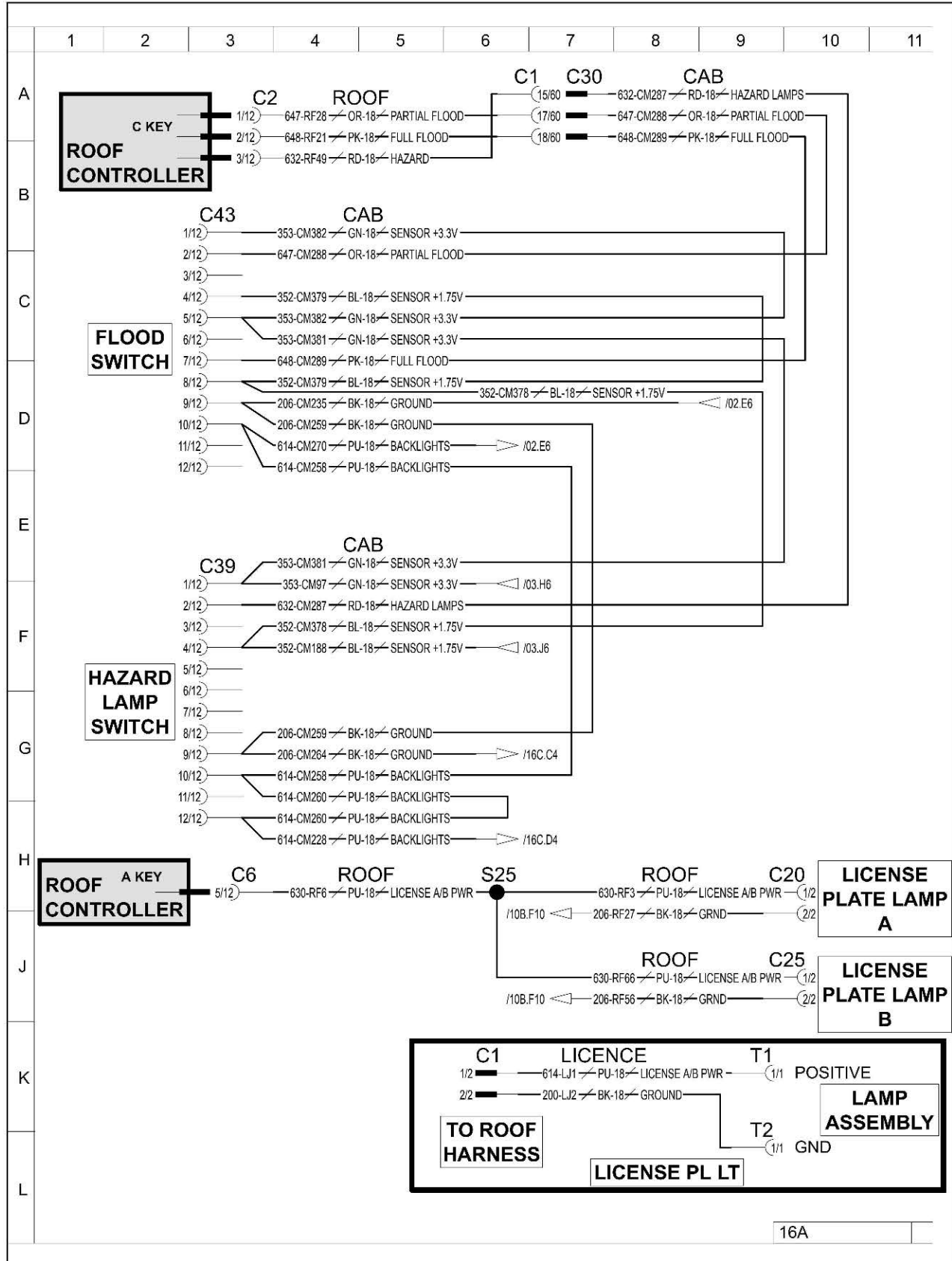


Fig. 39

18.2.36 Hood harness and courtesy lamp

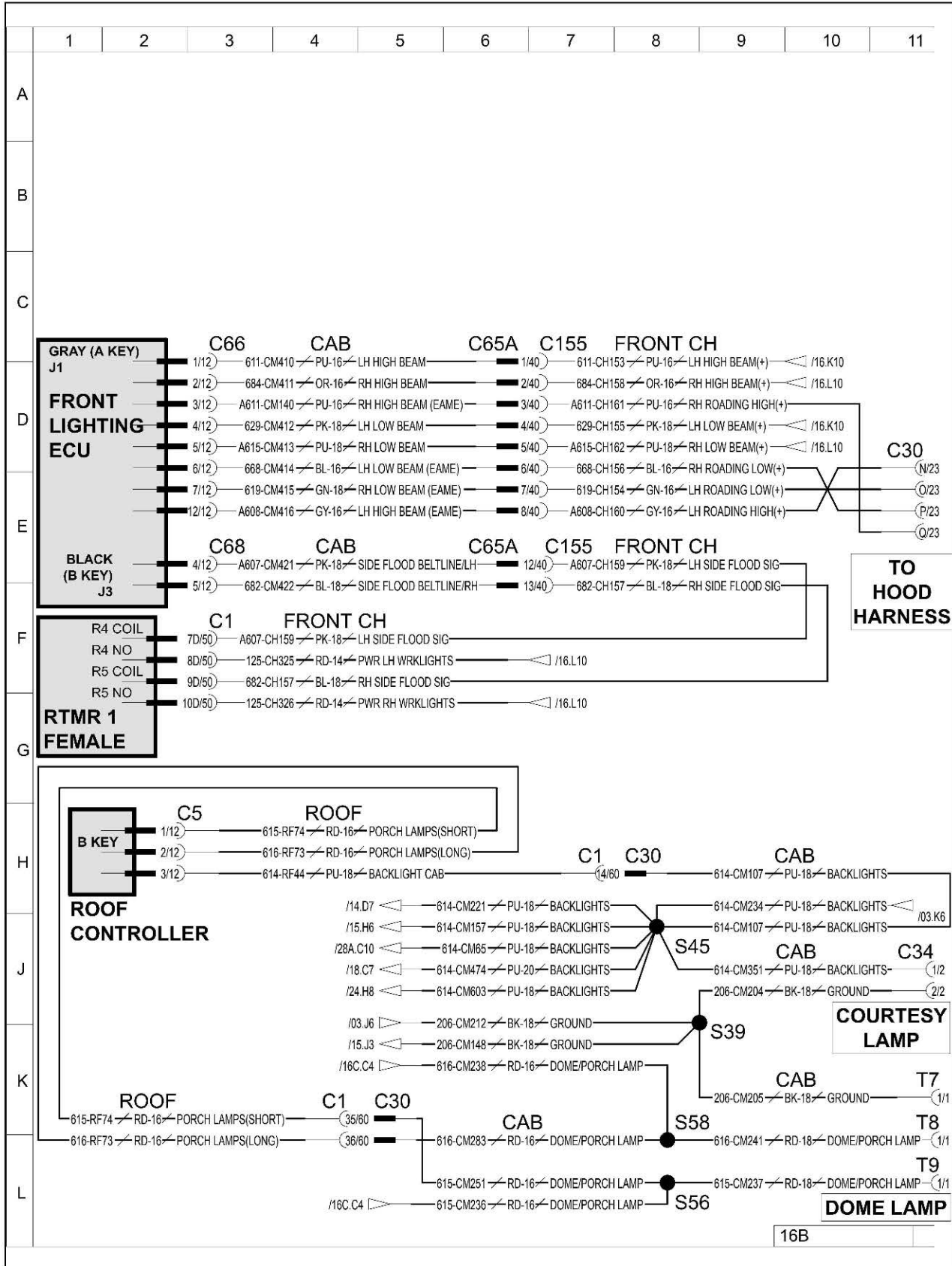


Fig. 40

18.2.37 Porch and flood lights

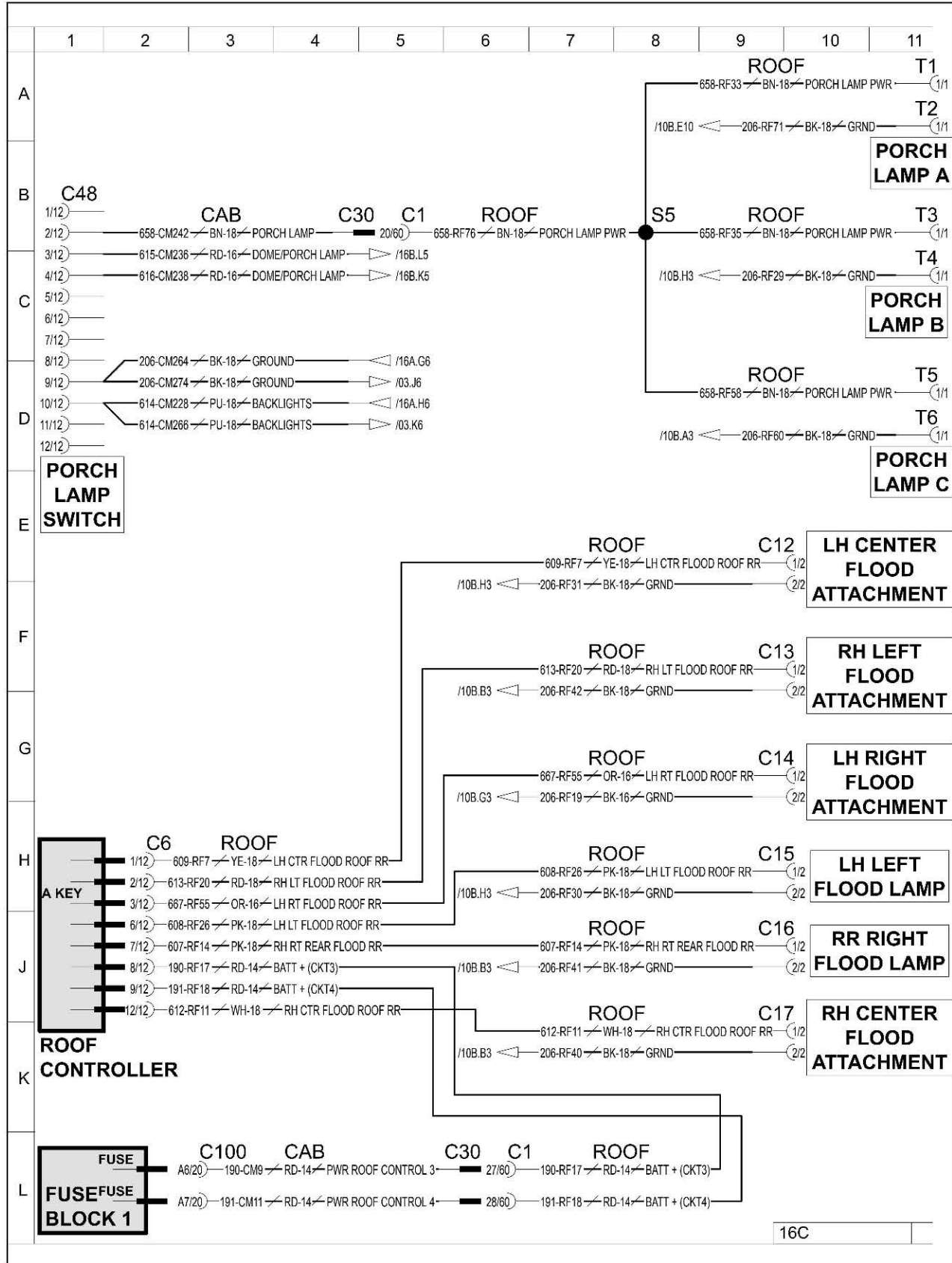


Fig. 41

18.2.38 Rear working lights

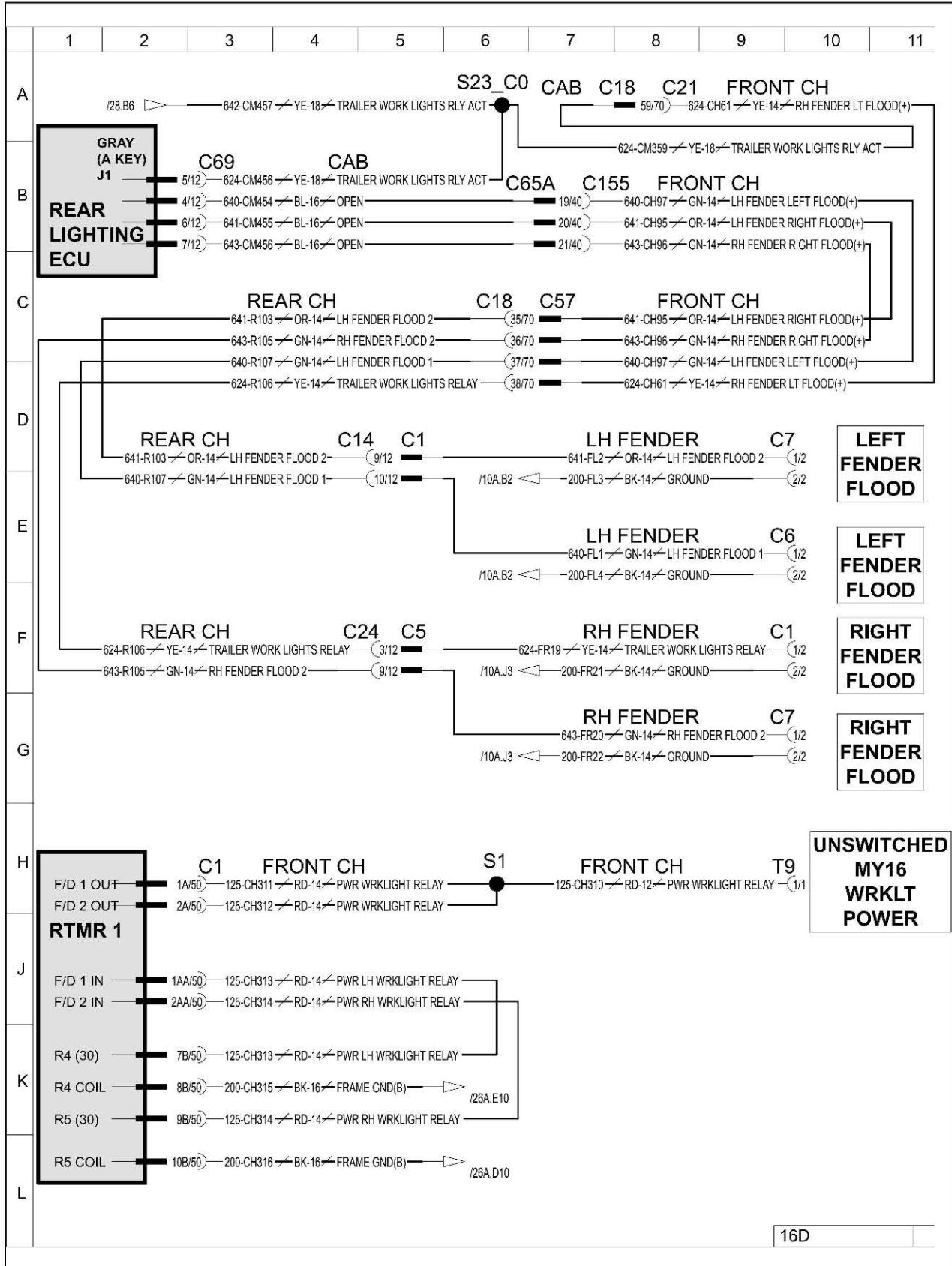


Fig. 42

18.2.39 Heated mirrors

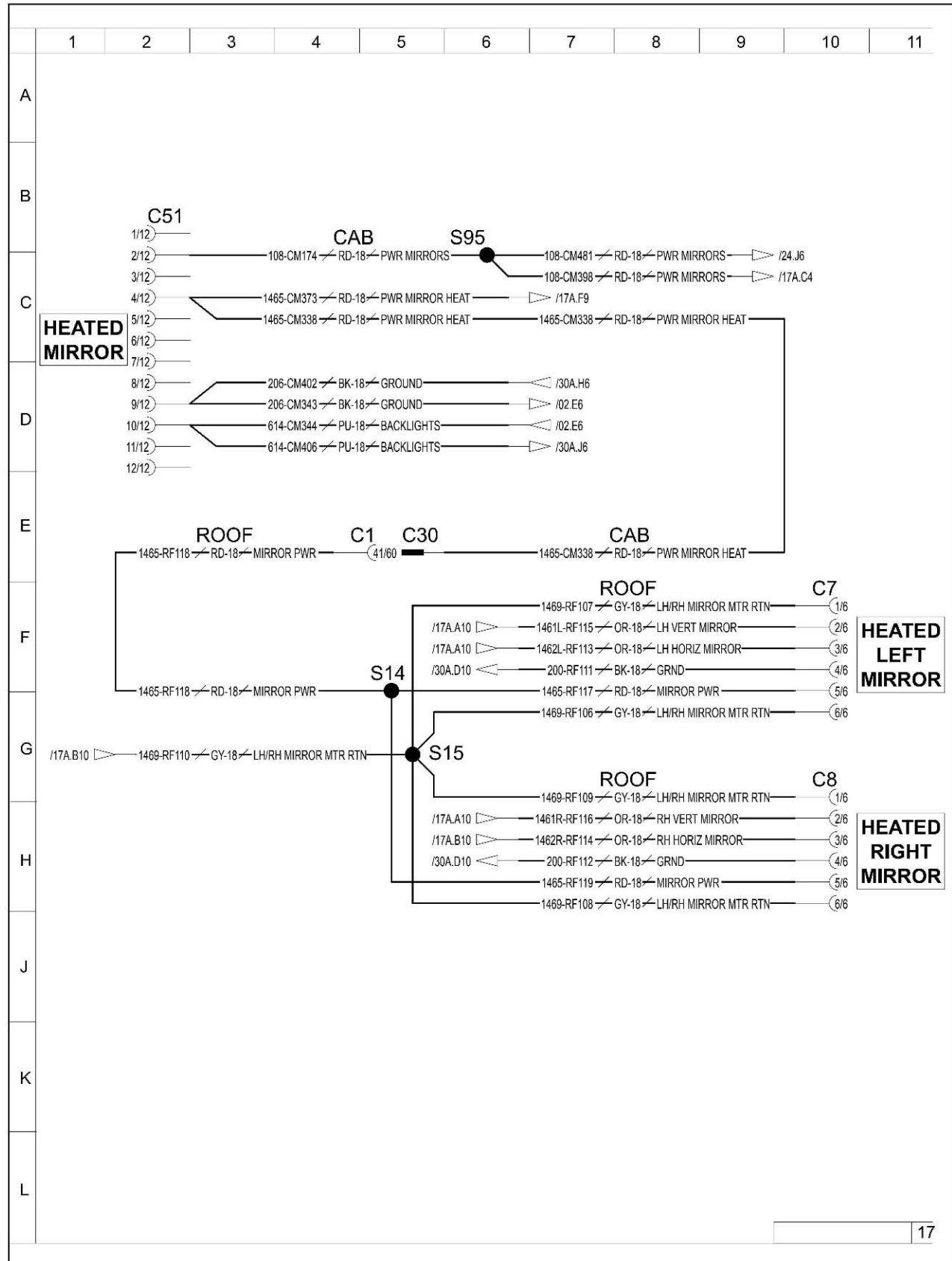


Fig. 43

18.2.40 Mirror switch

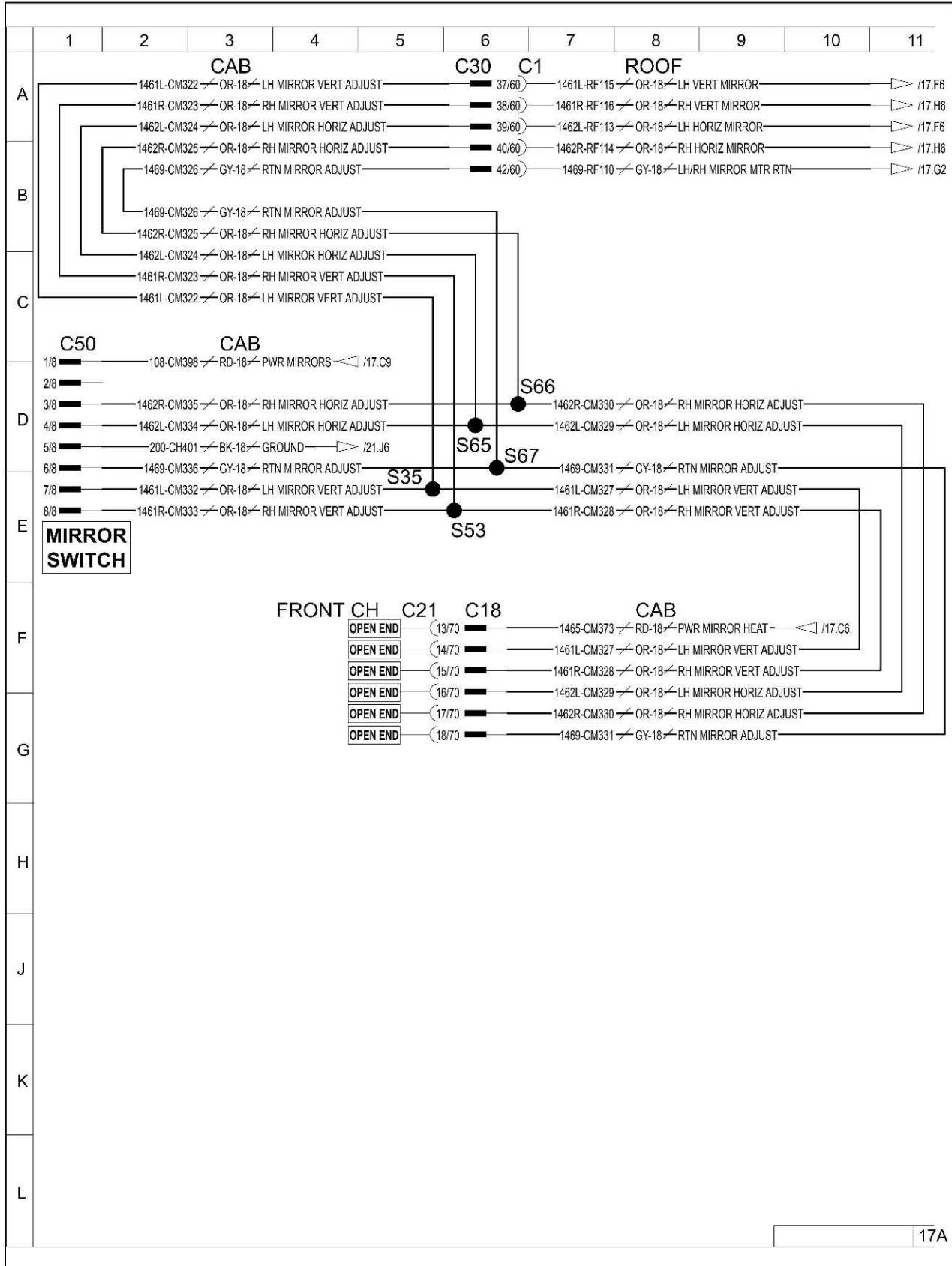


Fig. 44

18.2.41 USB charging port

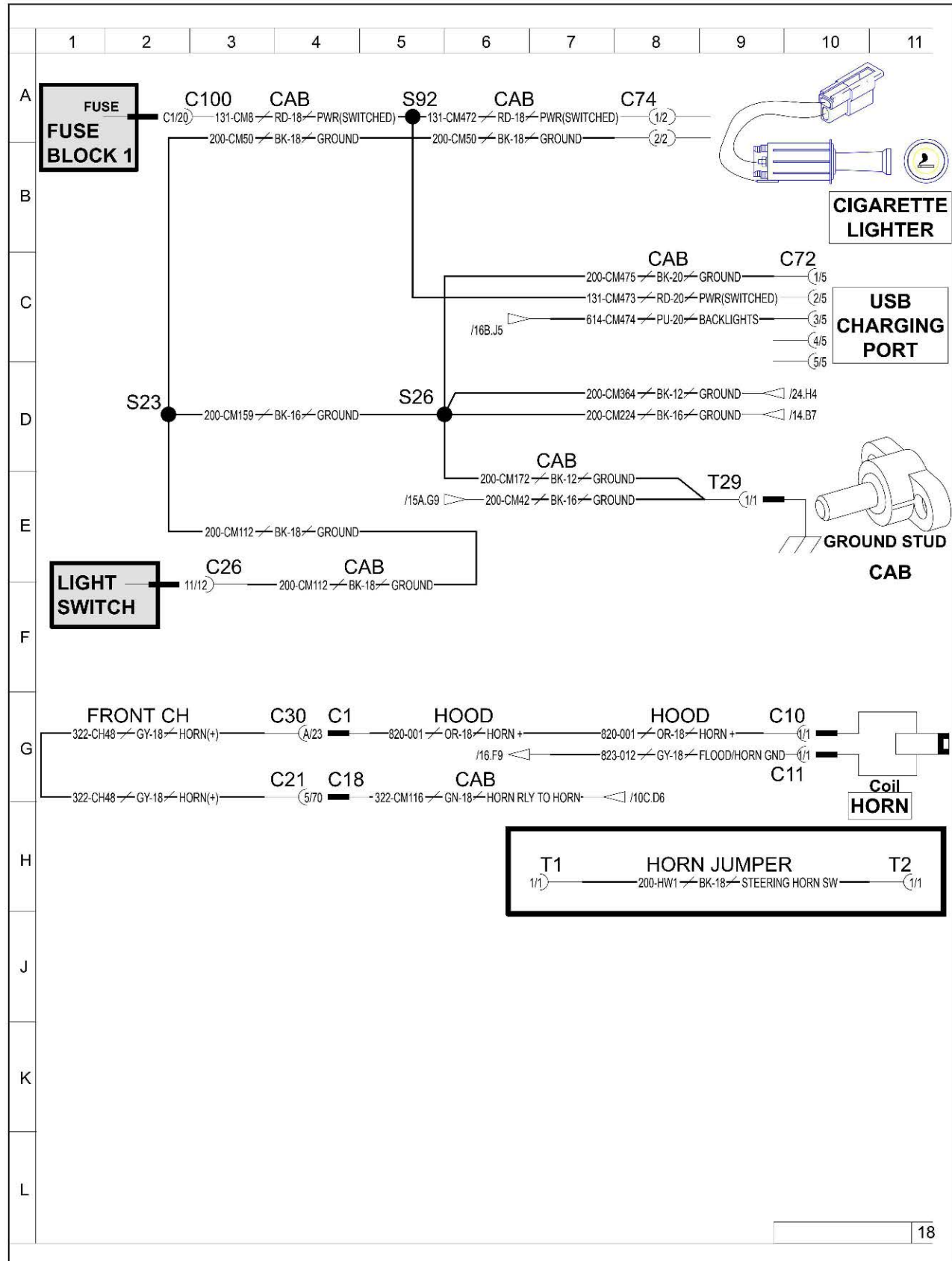


Fig. 45

18.2.42 Power strip

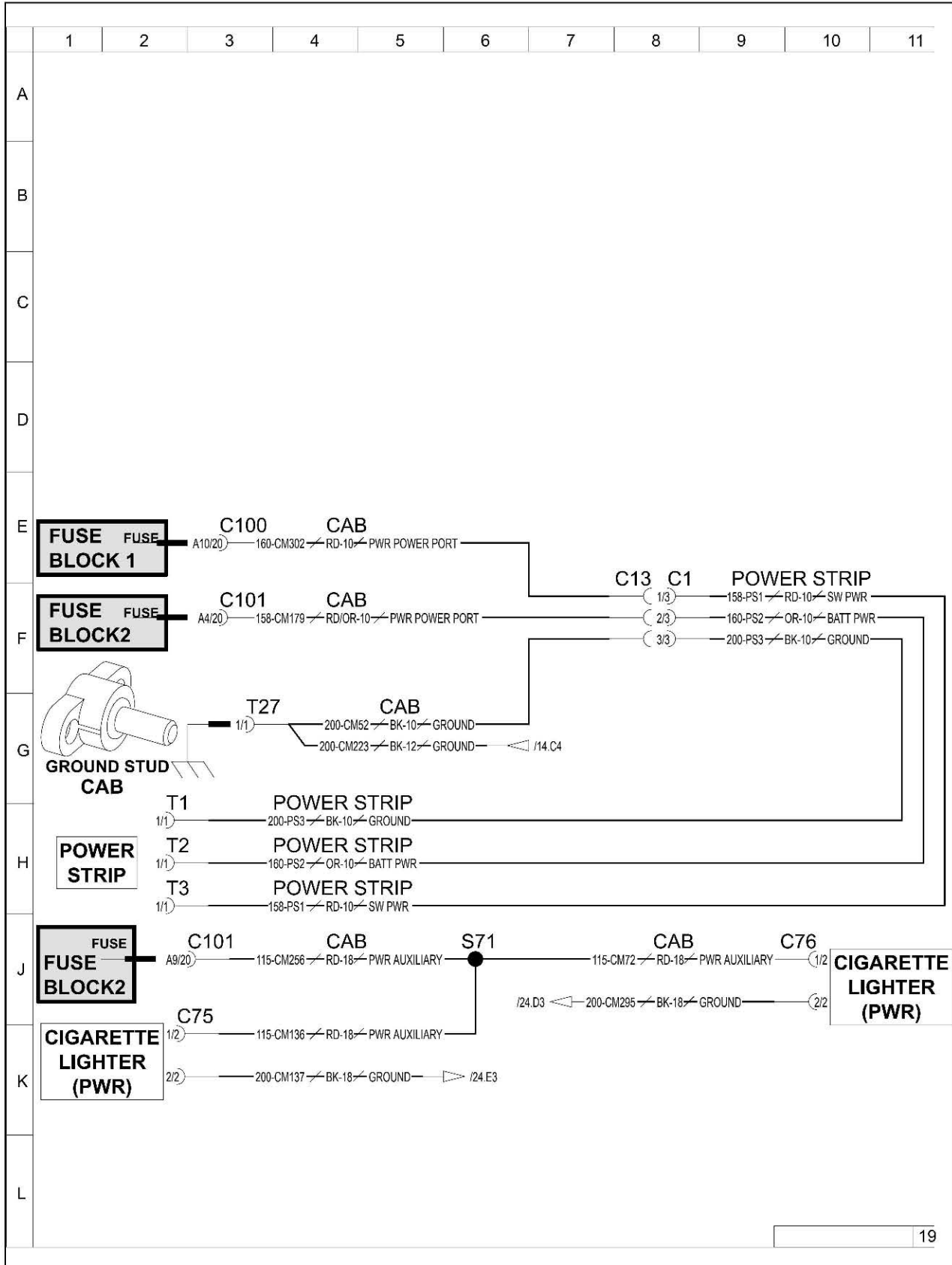


Fig. 46

18.2.43 Radar

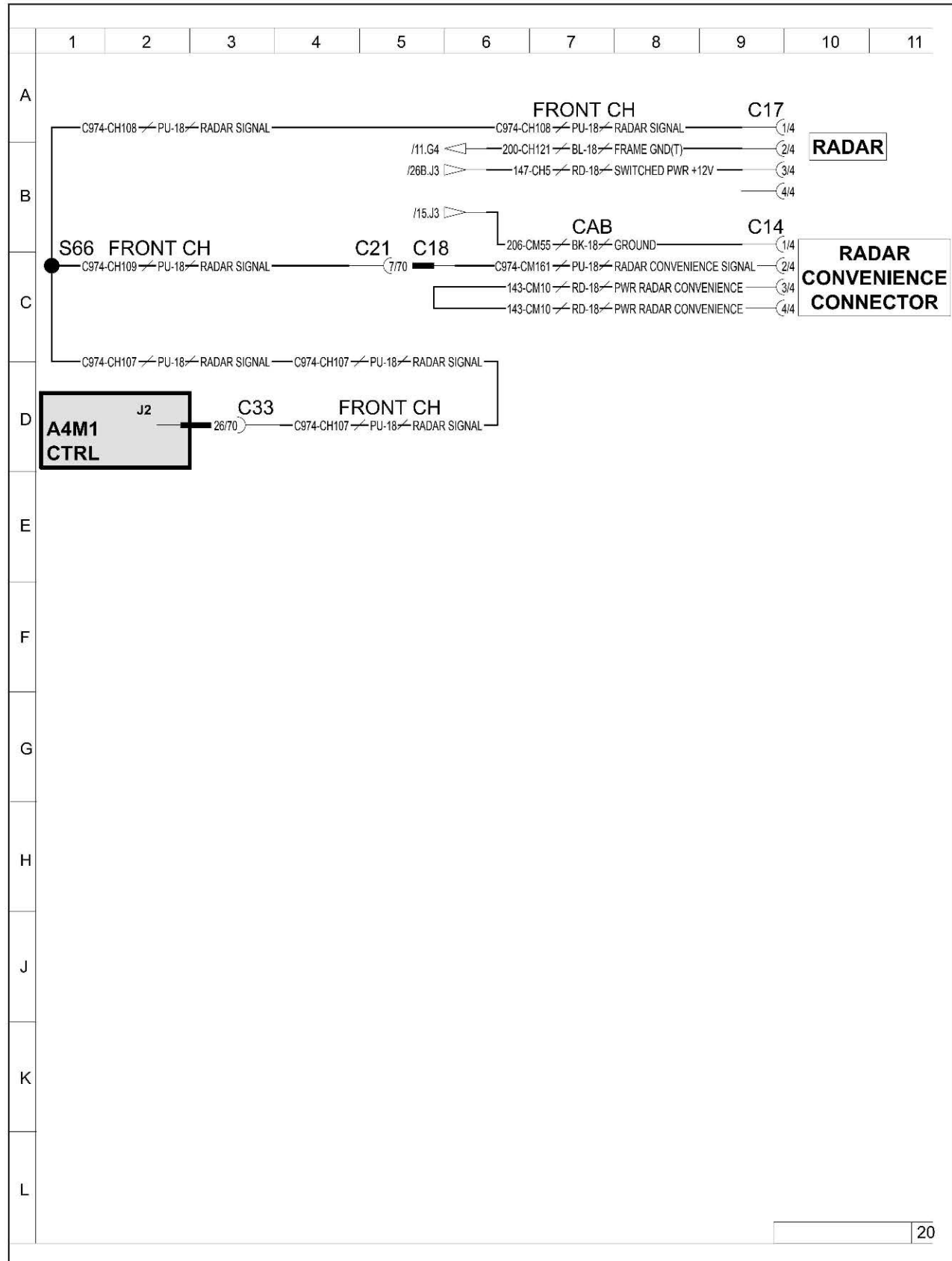


Fig. 47

18.2.44 Radio and speakers

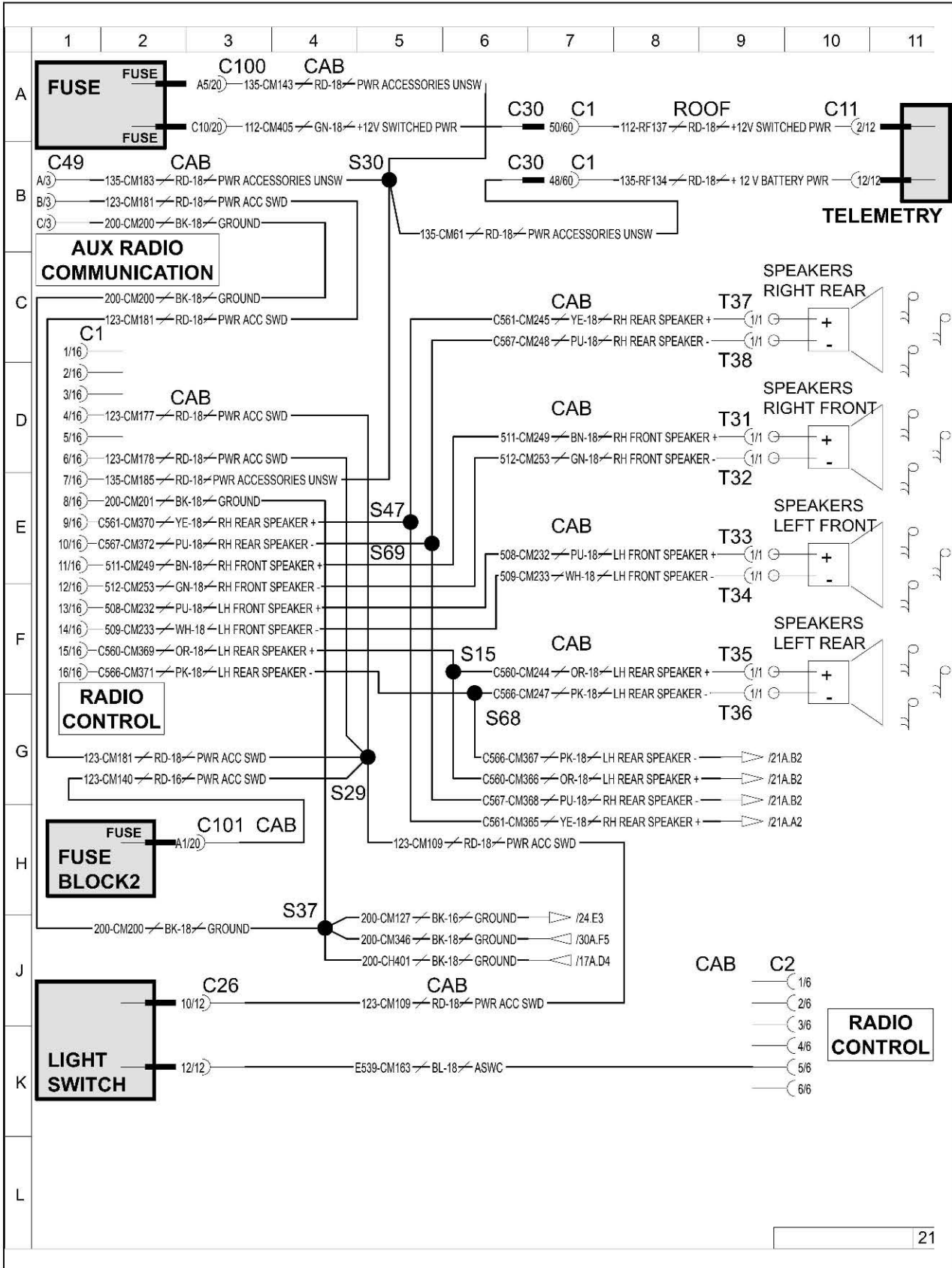


Fig. 48

18.2.45 Woofer

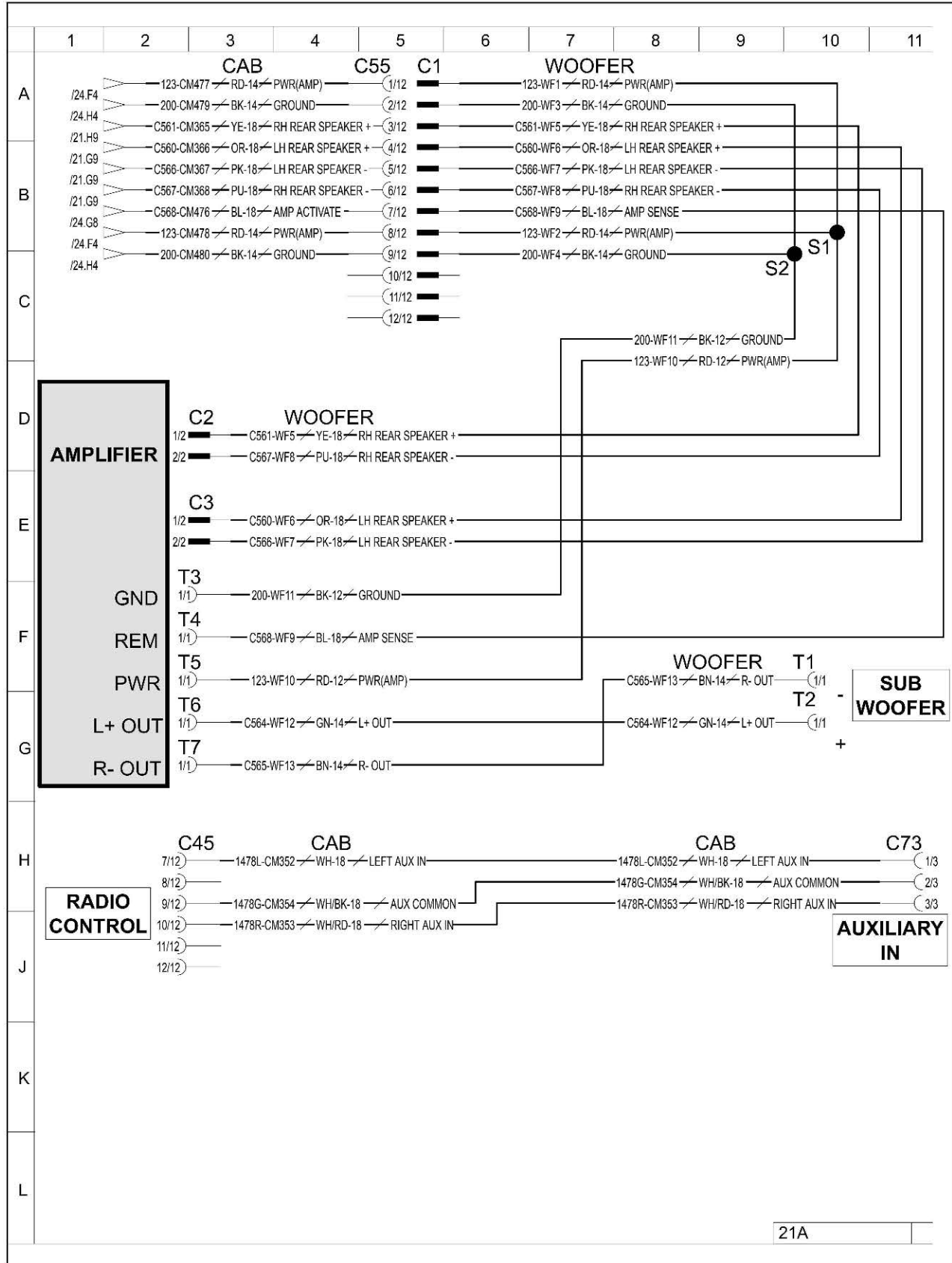


Fig. 49

18.2.46 Remote steer

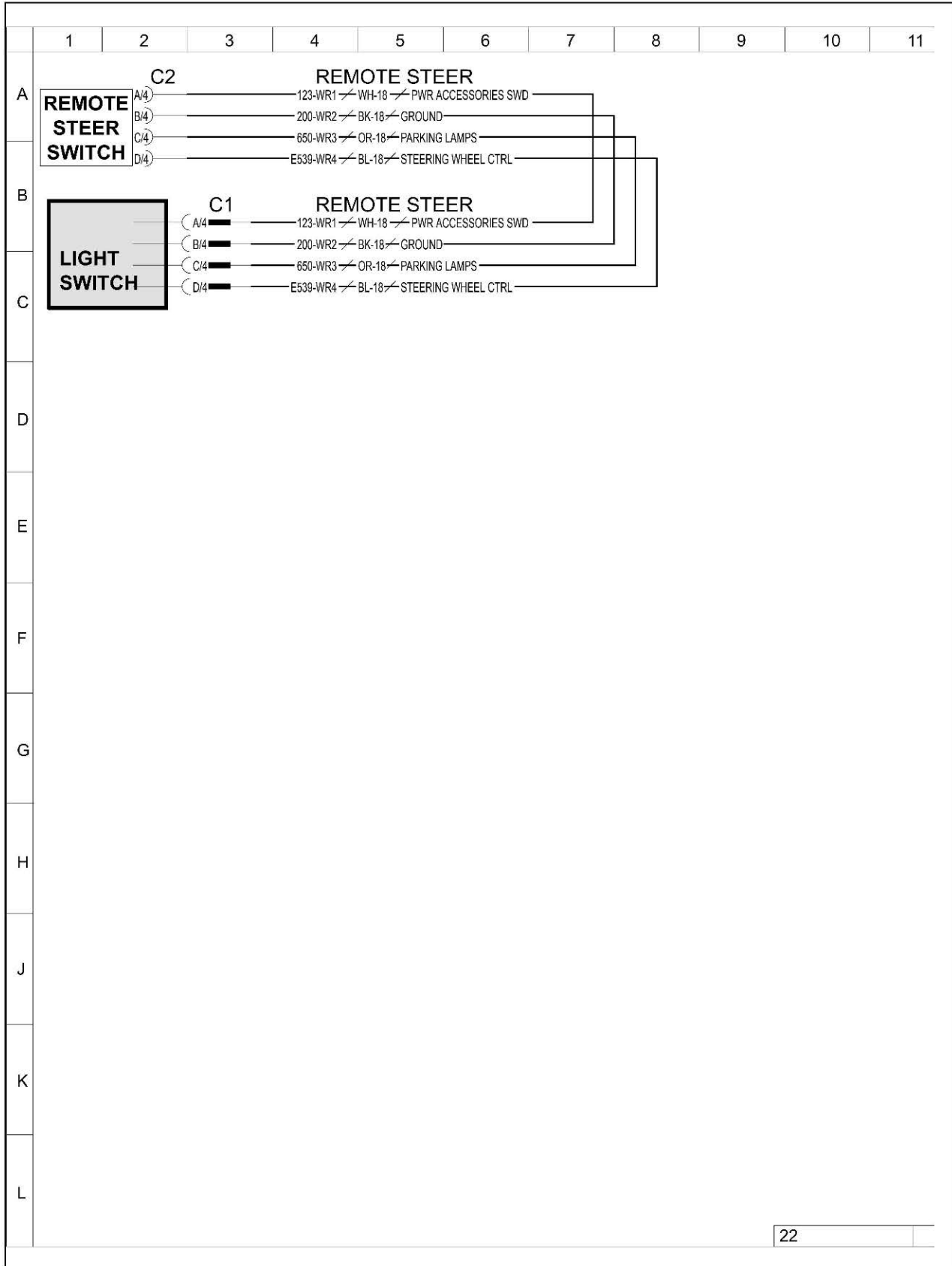


Fig. 50

18.2.47 Rear reverse lamps

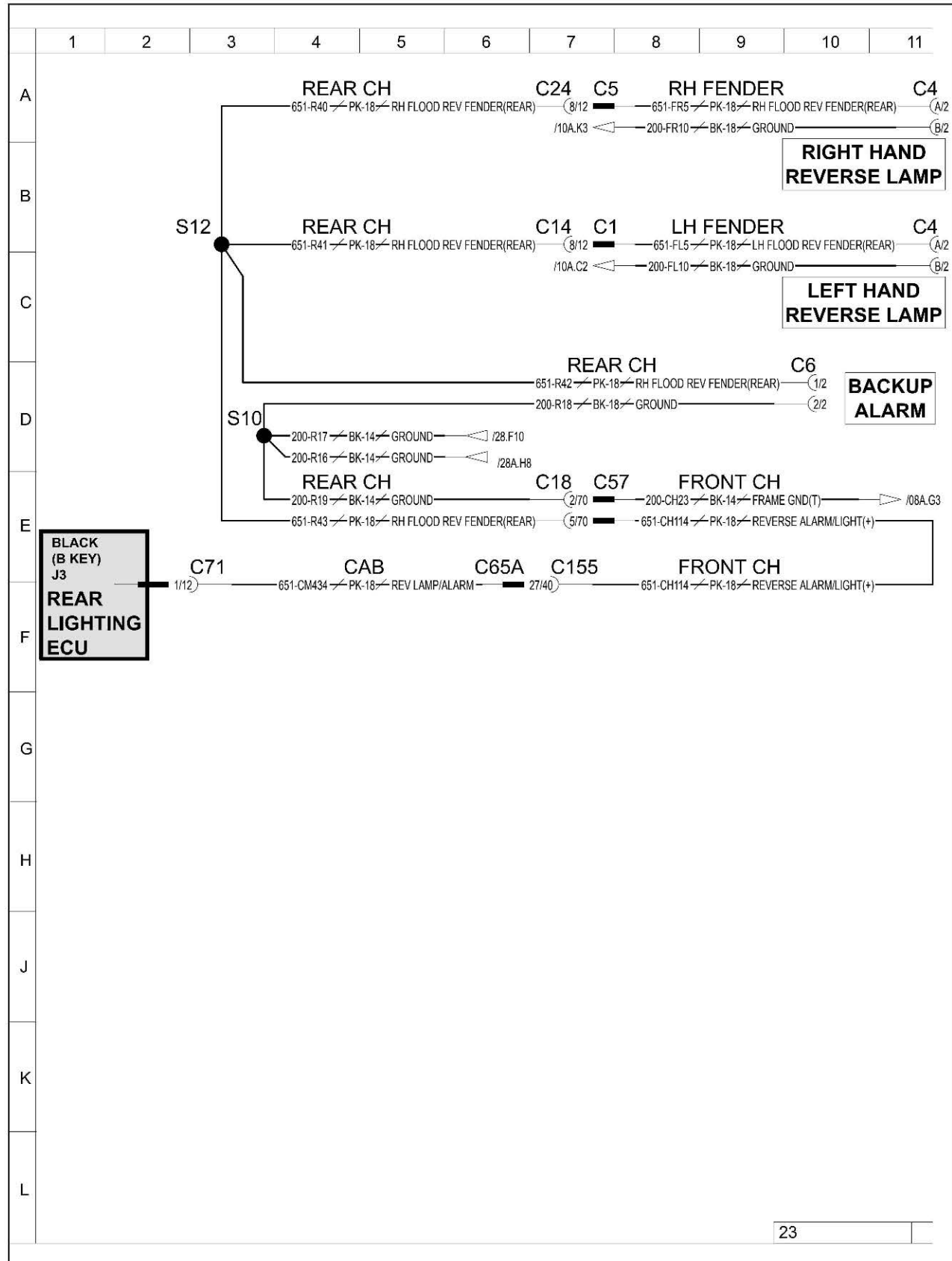


Fig. 51

18.2.48 Seat group

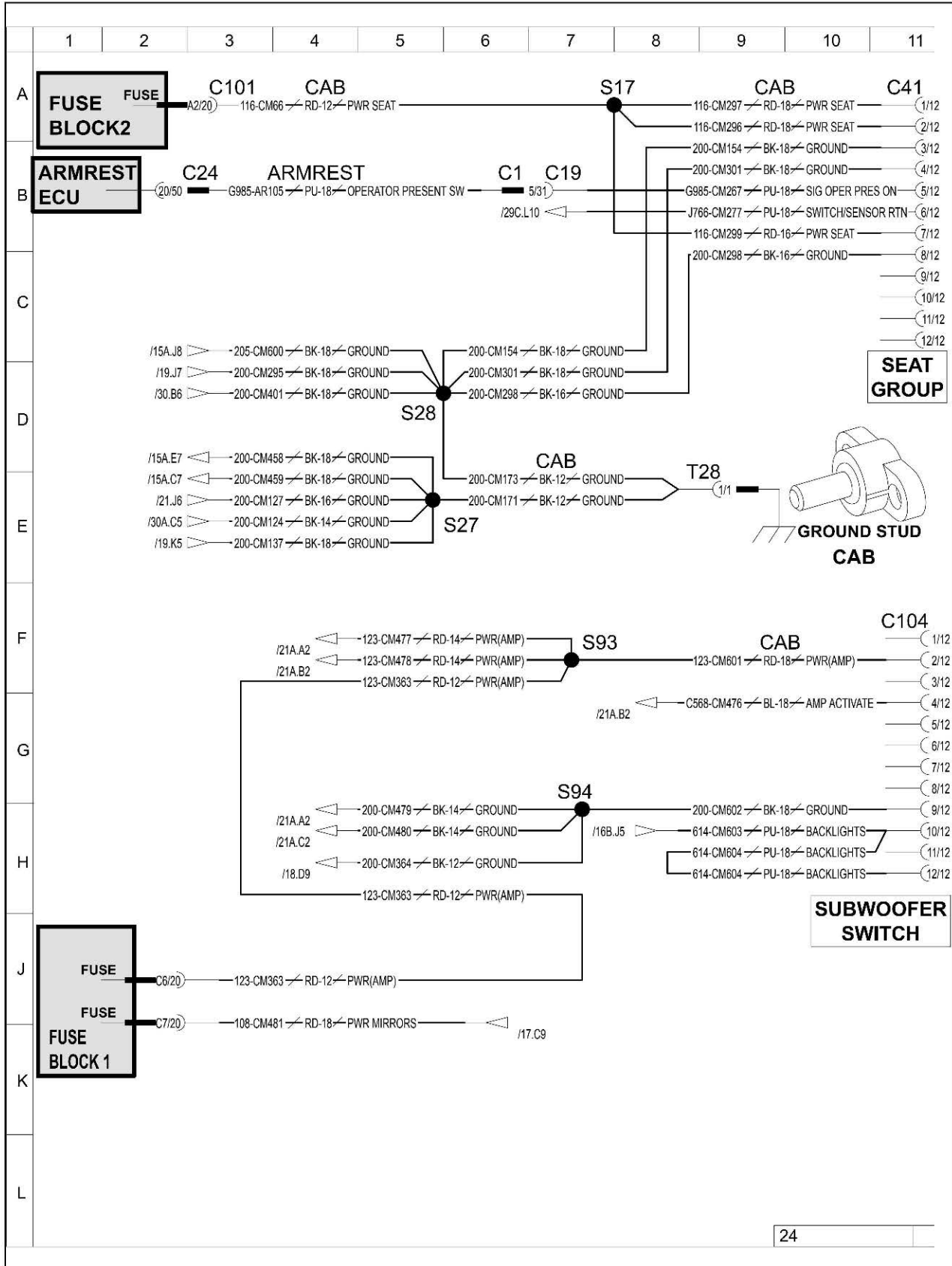


Fig. 52

18.2.50 ECM power

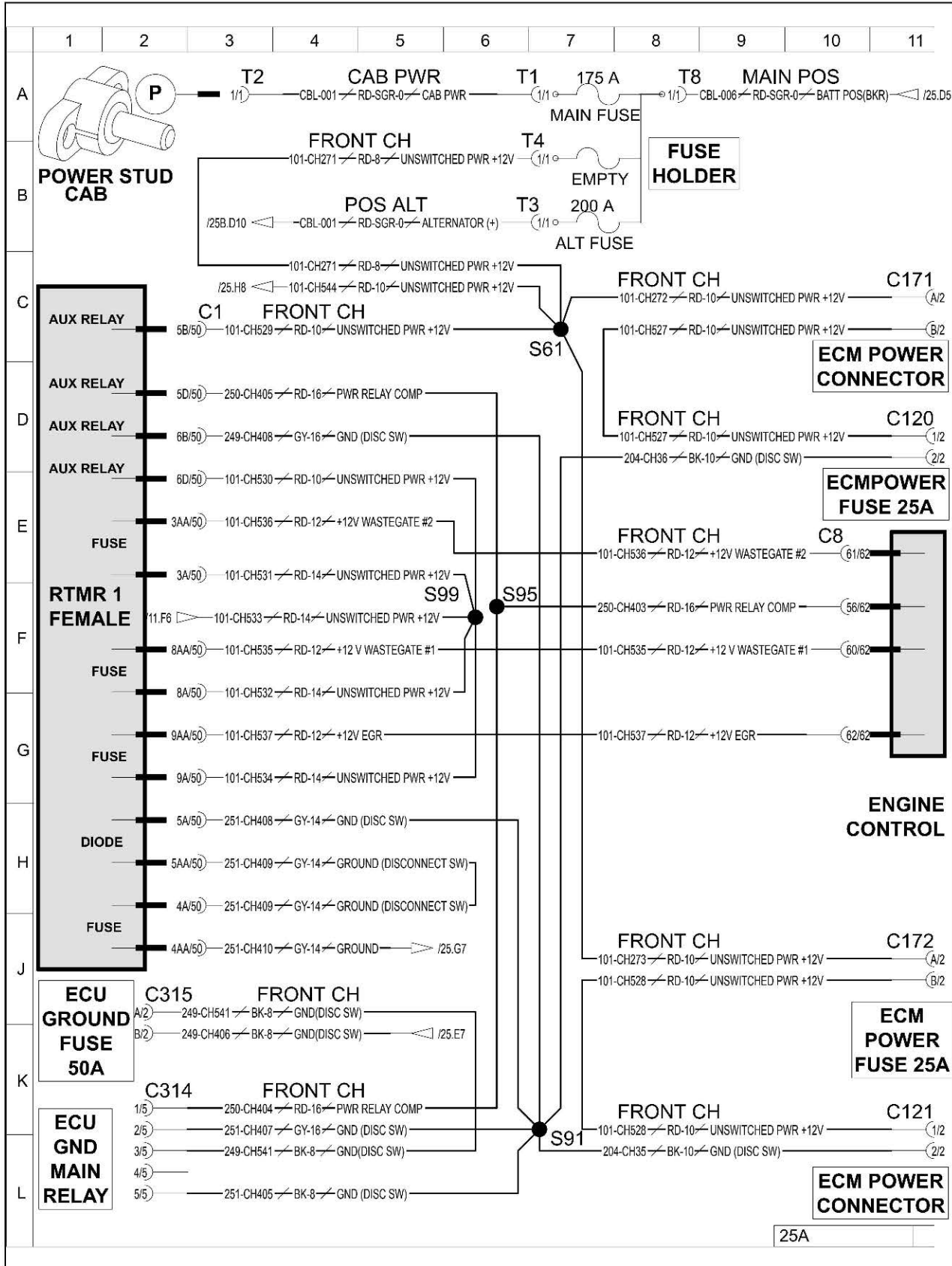


Fig. 54

18.2.51 Cab / Chassis pass through

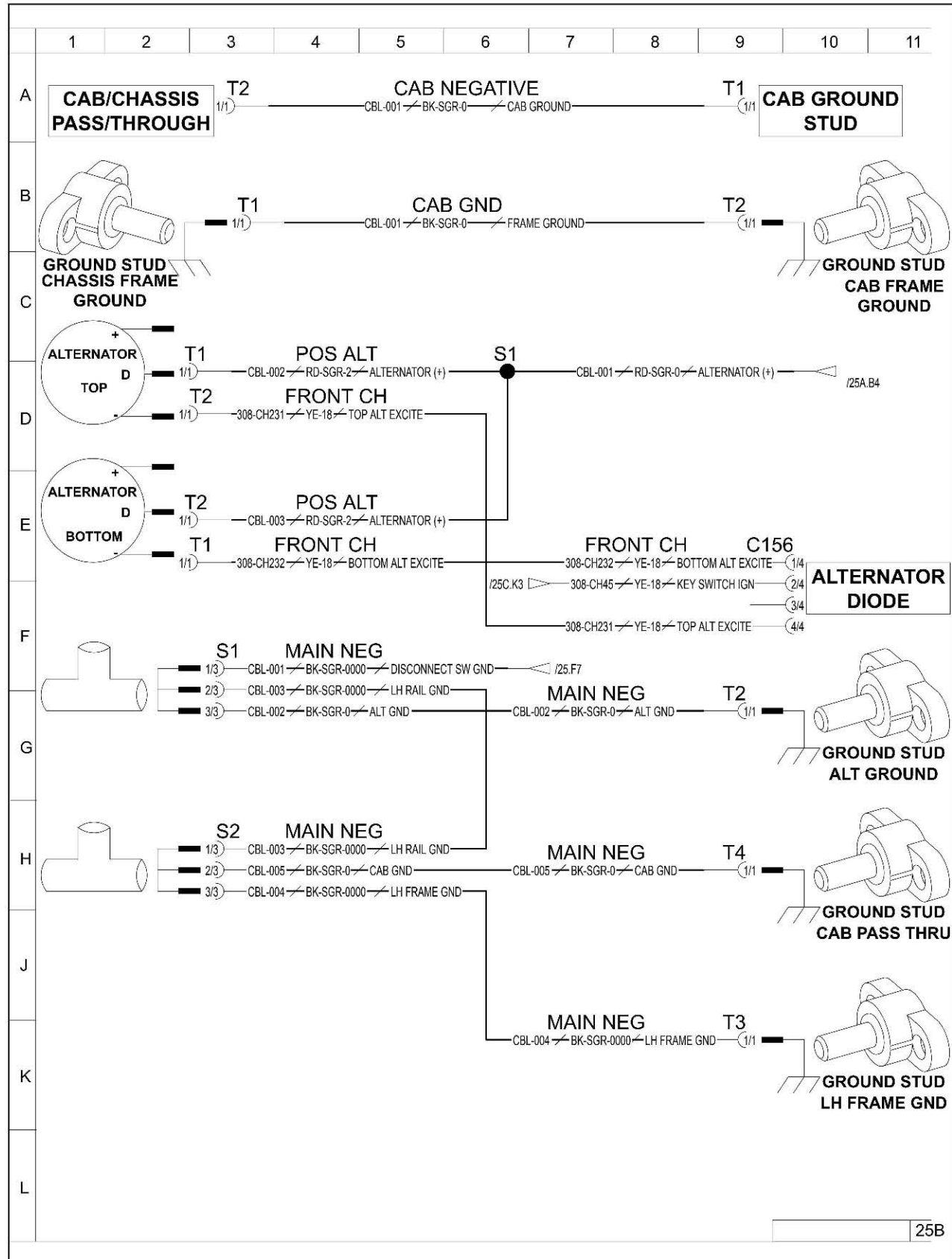


Fig. 55

18.2.52 Key start switch

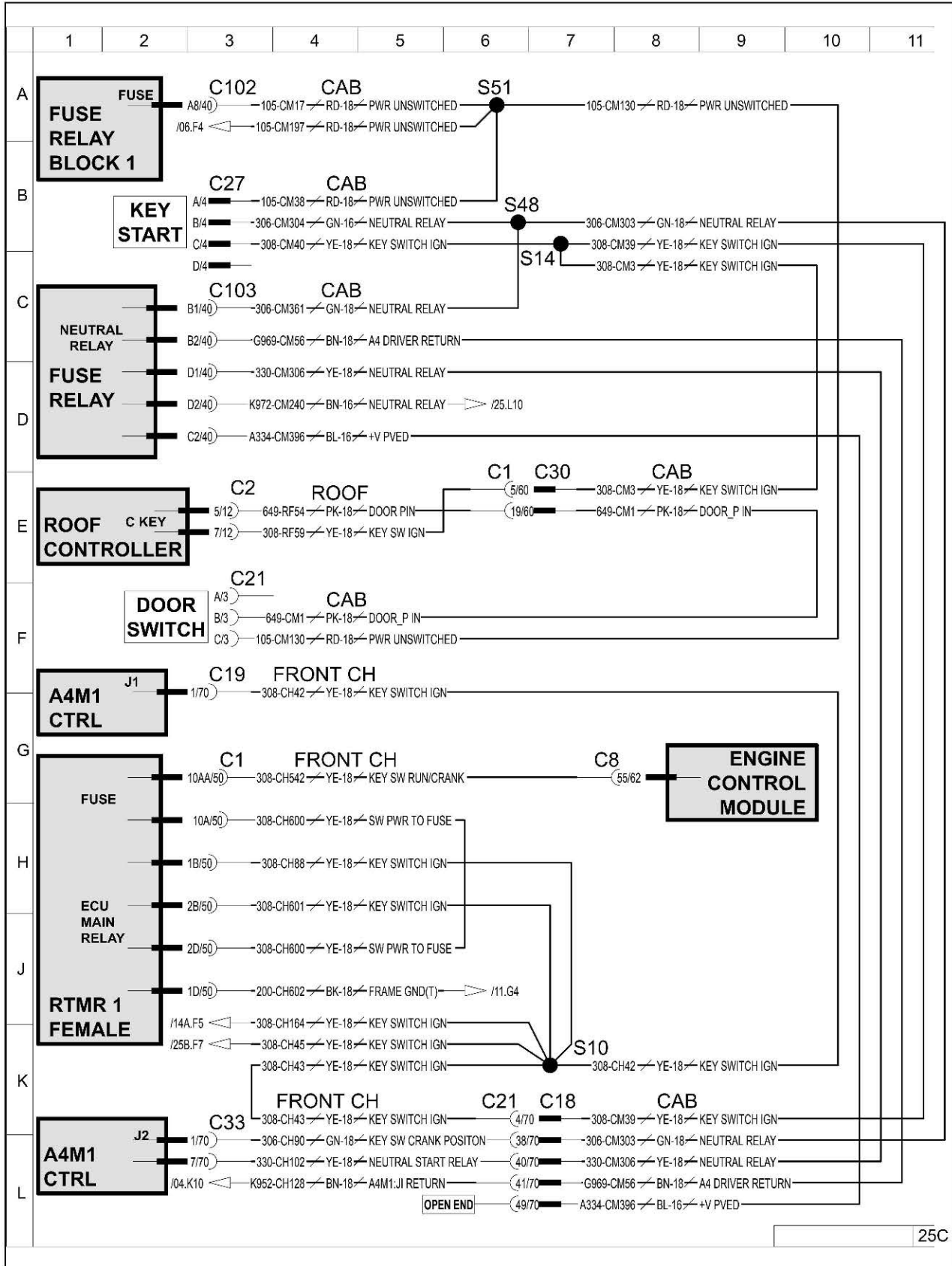


Fig. 56

18.2.53 Armrest 2

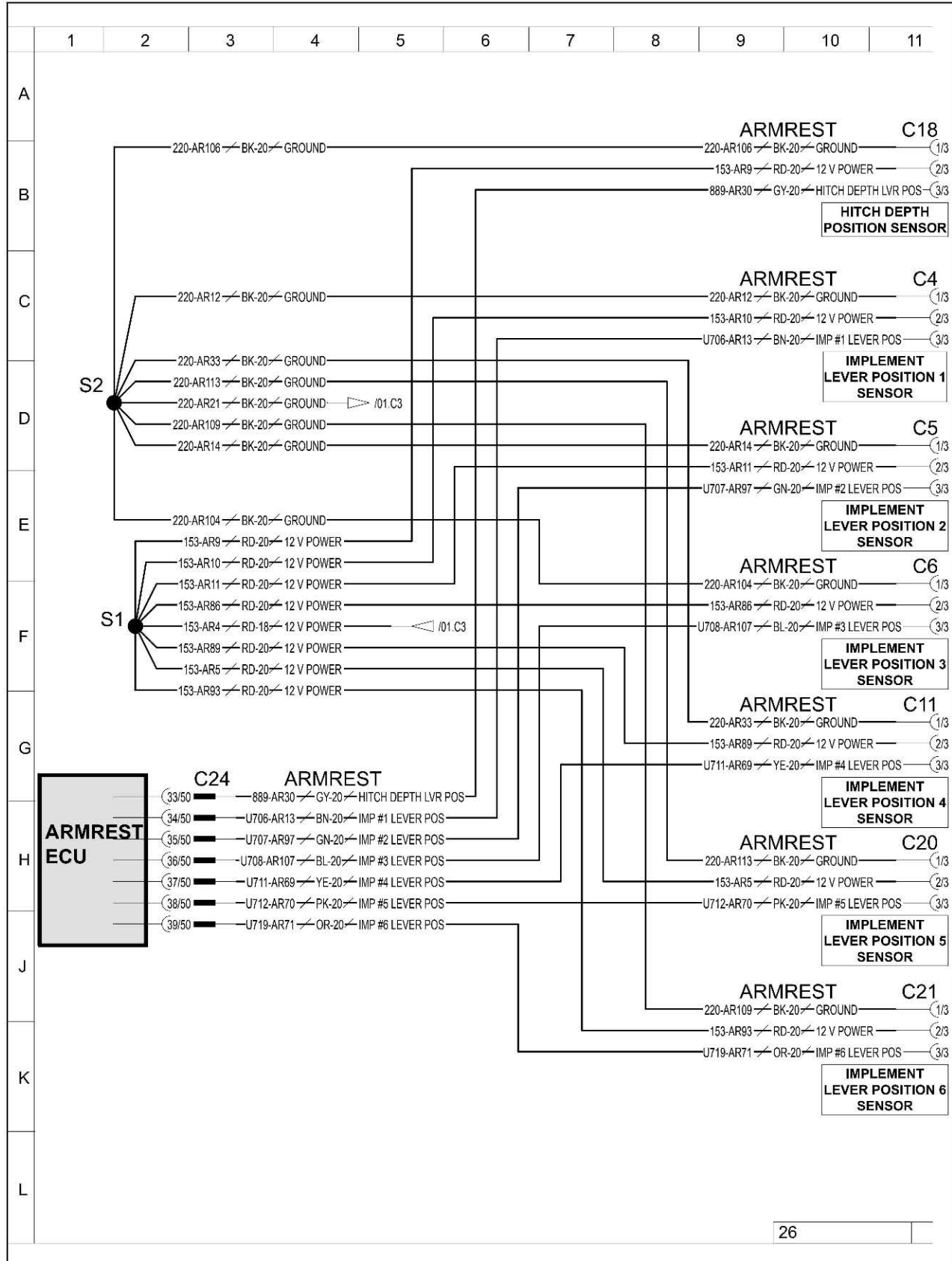


Fig. 57

18.2.54 Rear hitch

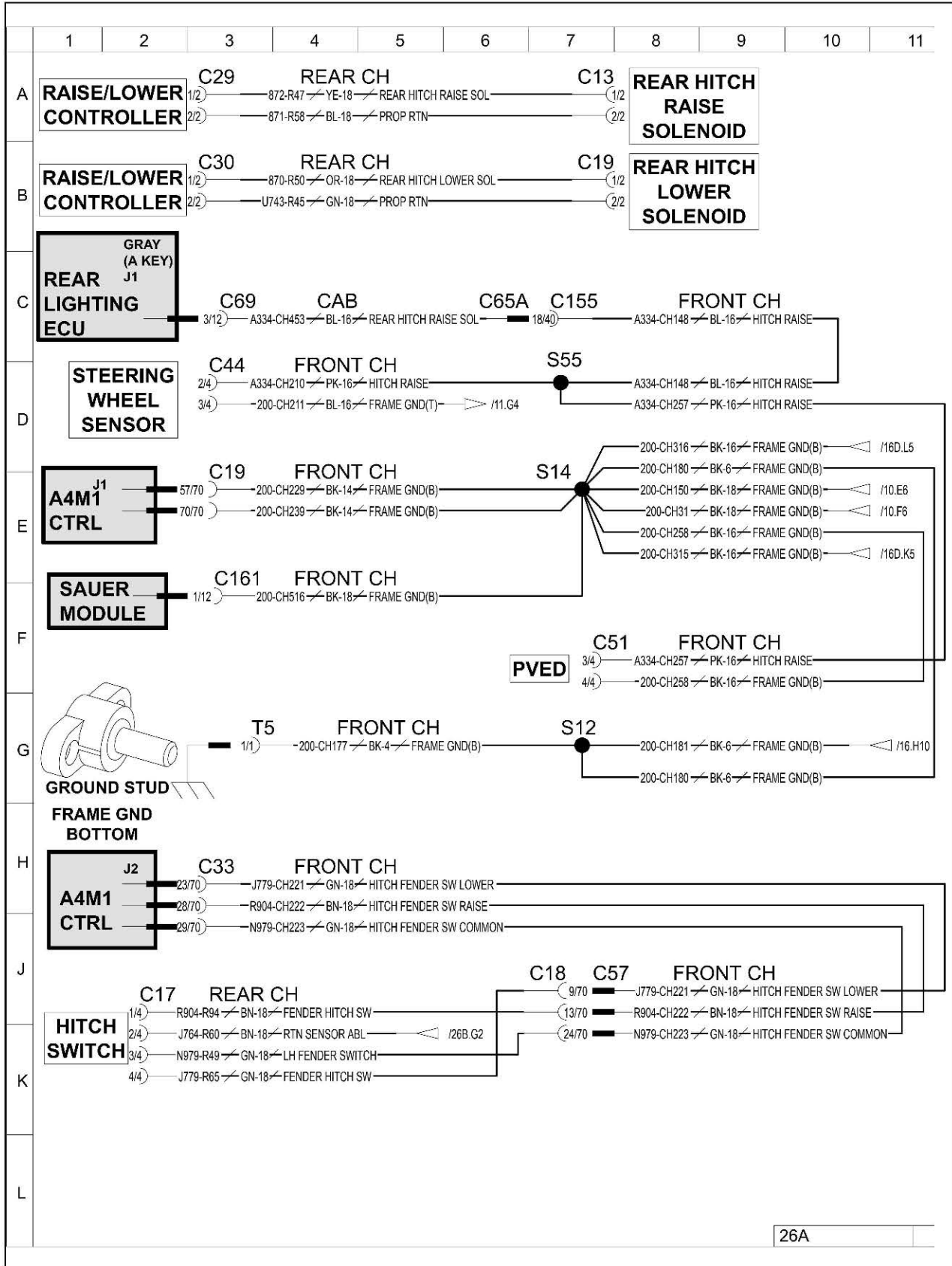


Fig. 58

18.2.56 Steering sensor box

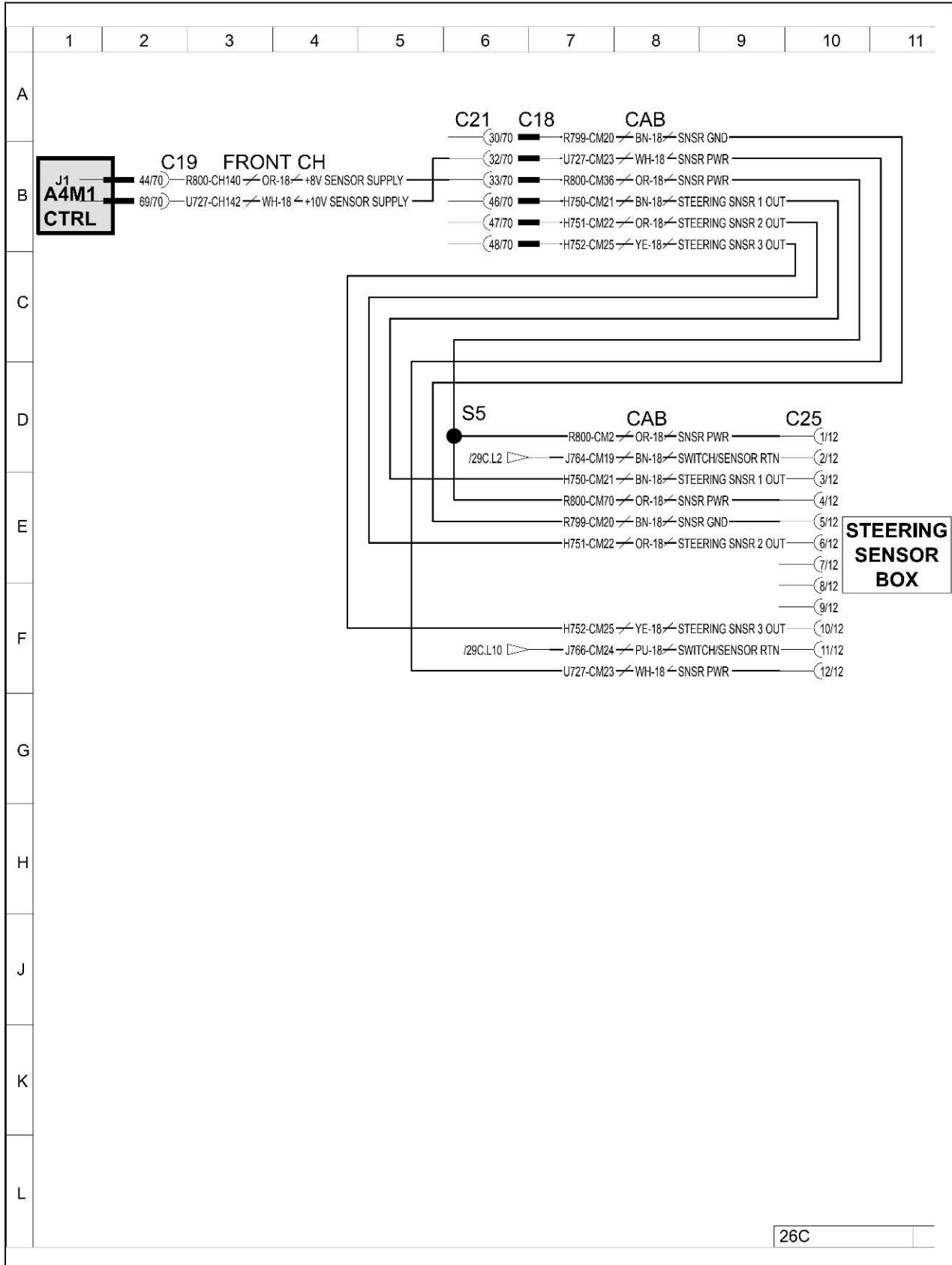


Fig. 60

18.2.57 Rear lighting

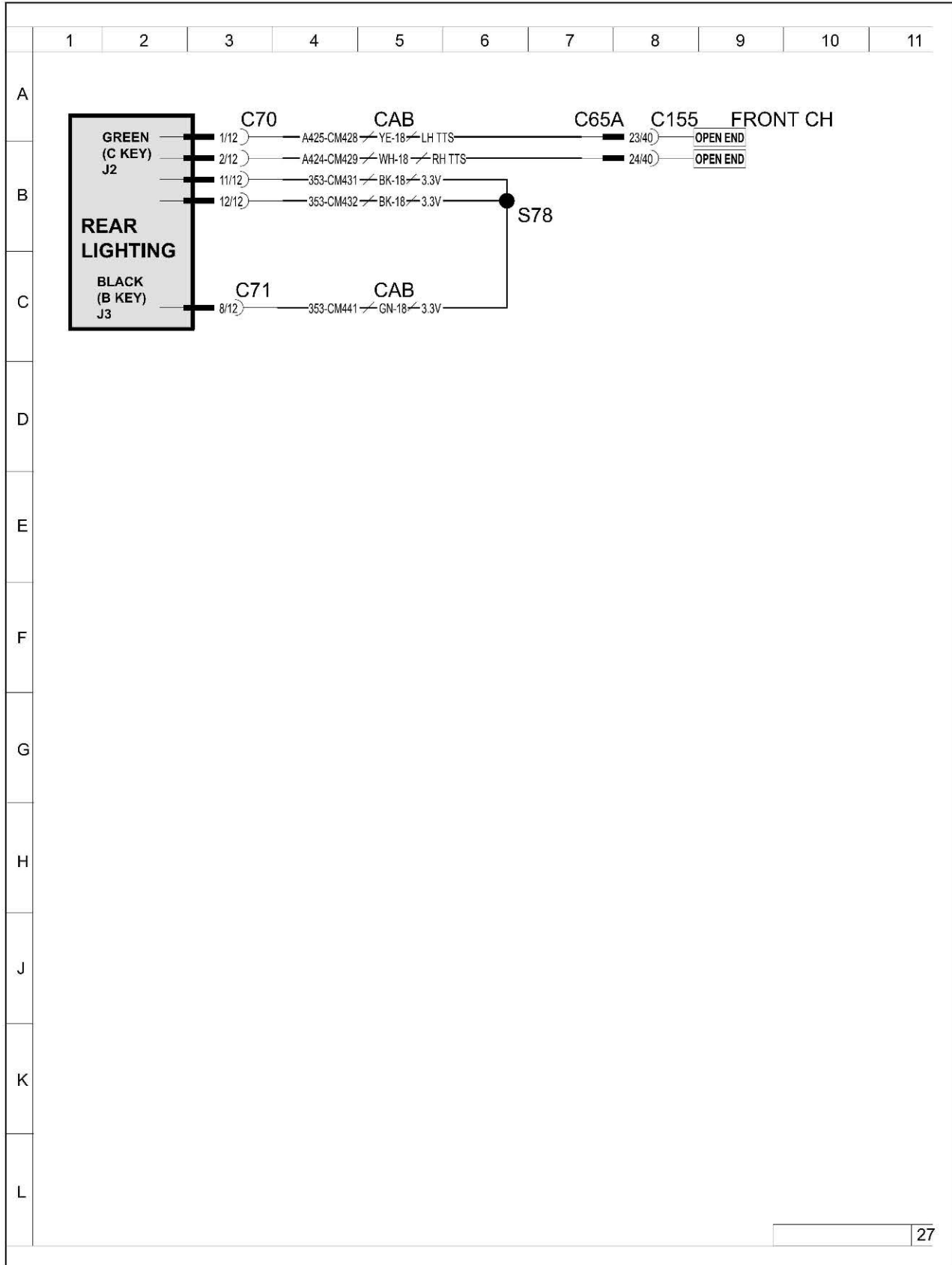


Fig. 61

18.2.58 Trailer lights

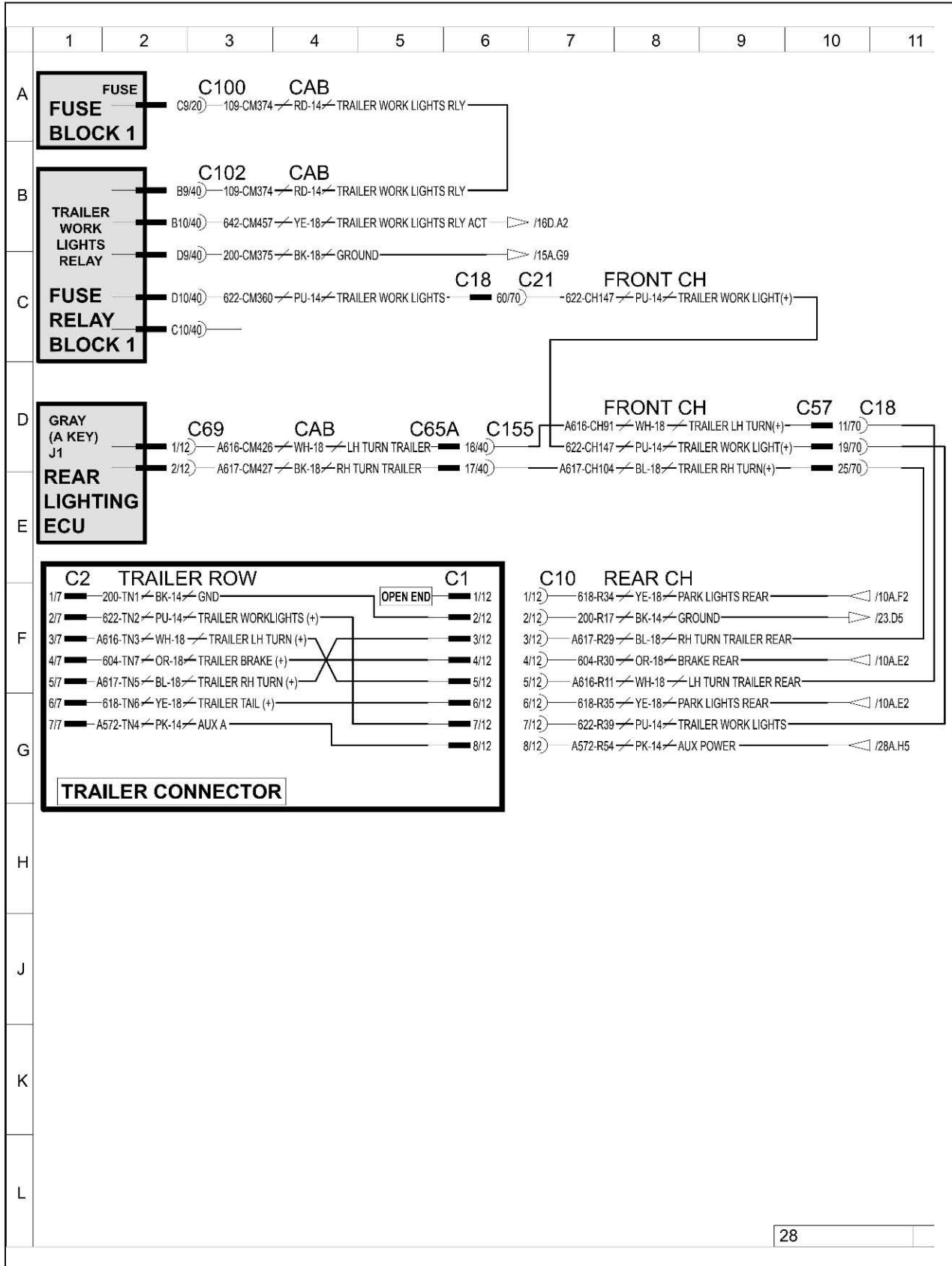


Fig. 62

18.2.59 Trailer auxiliary A switch

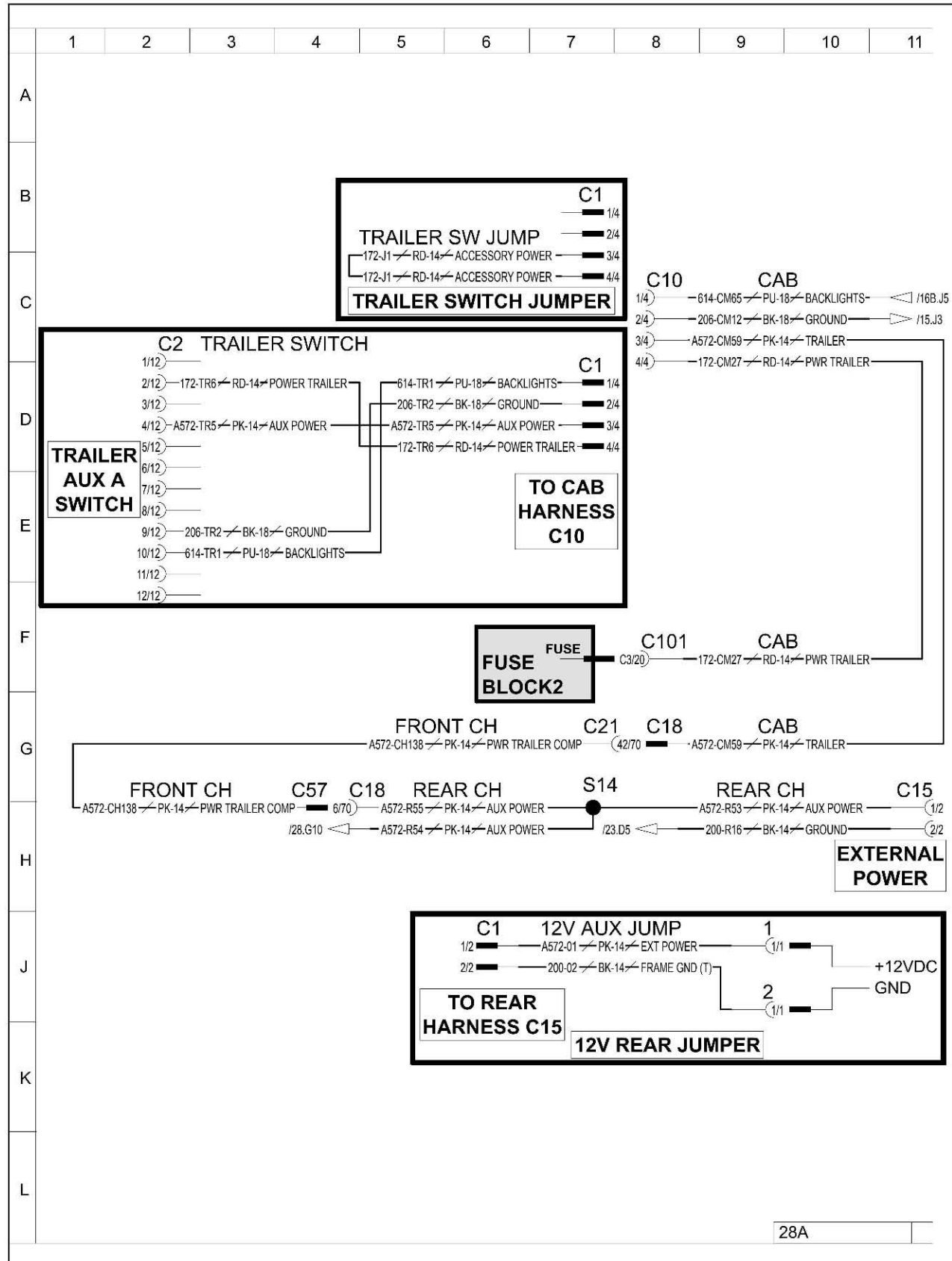


Fig. 63

18.2.60 Trans solenoids

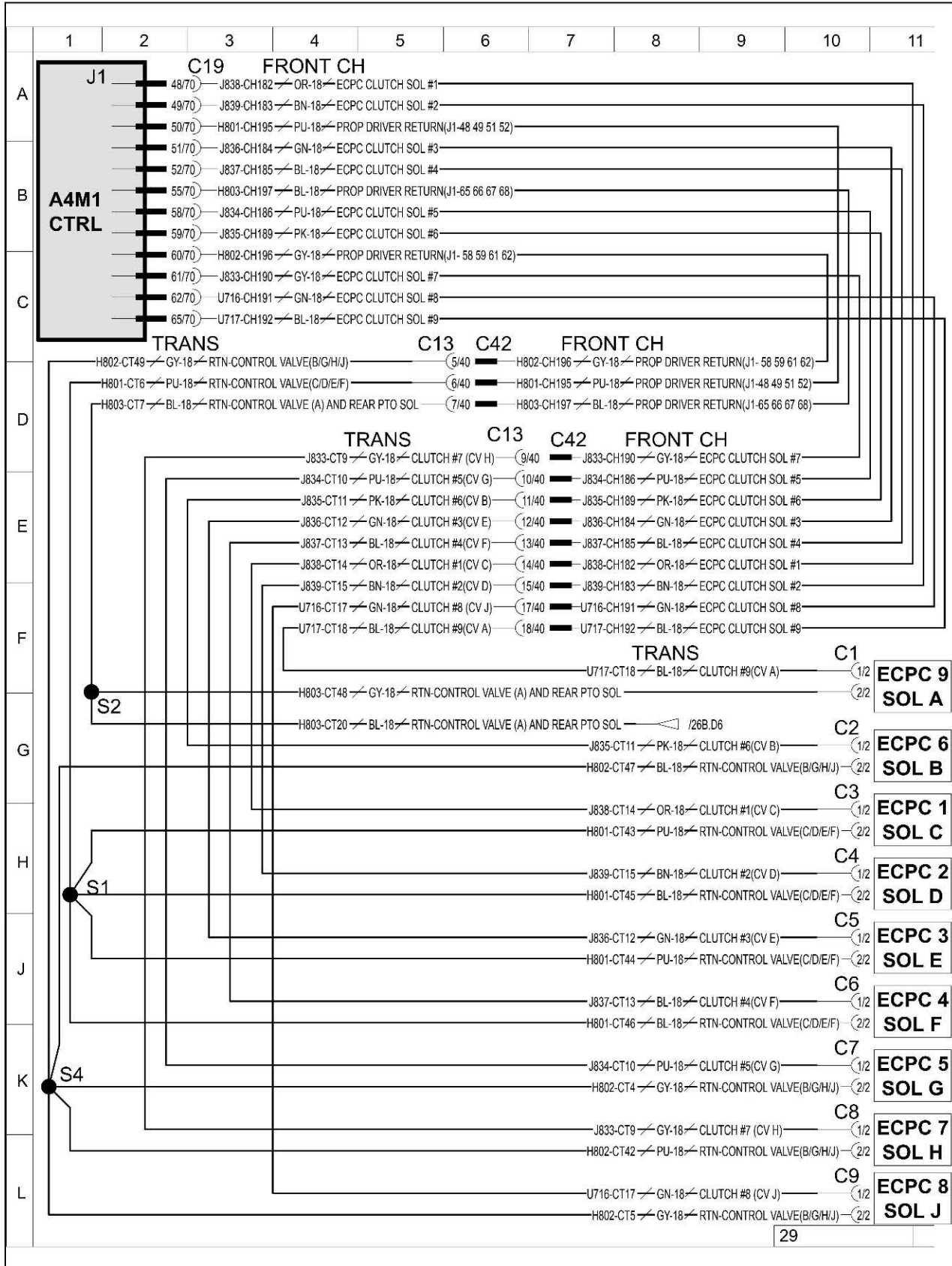


Fig. 64

18.2.61 Transmission sensors

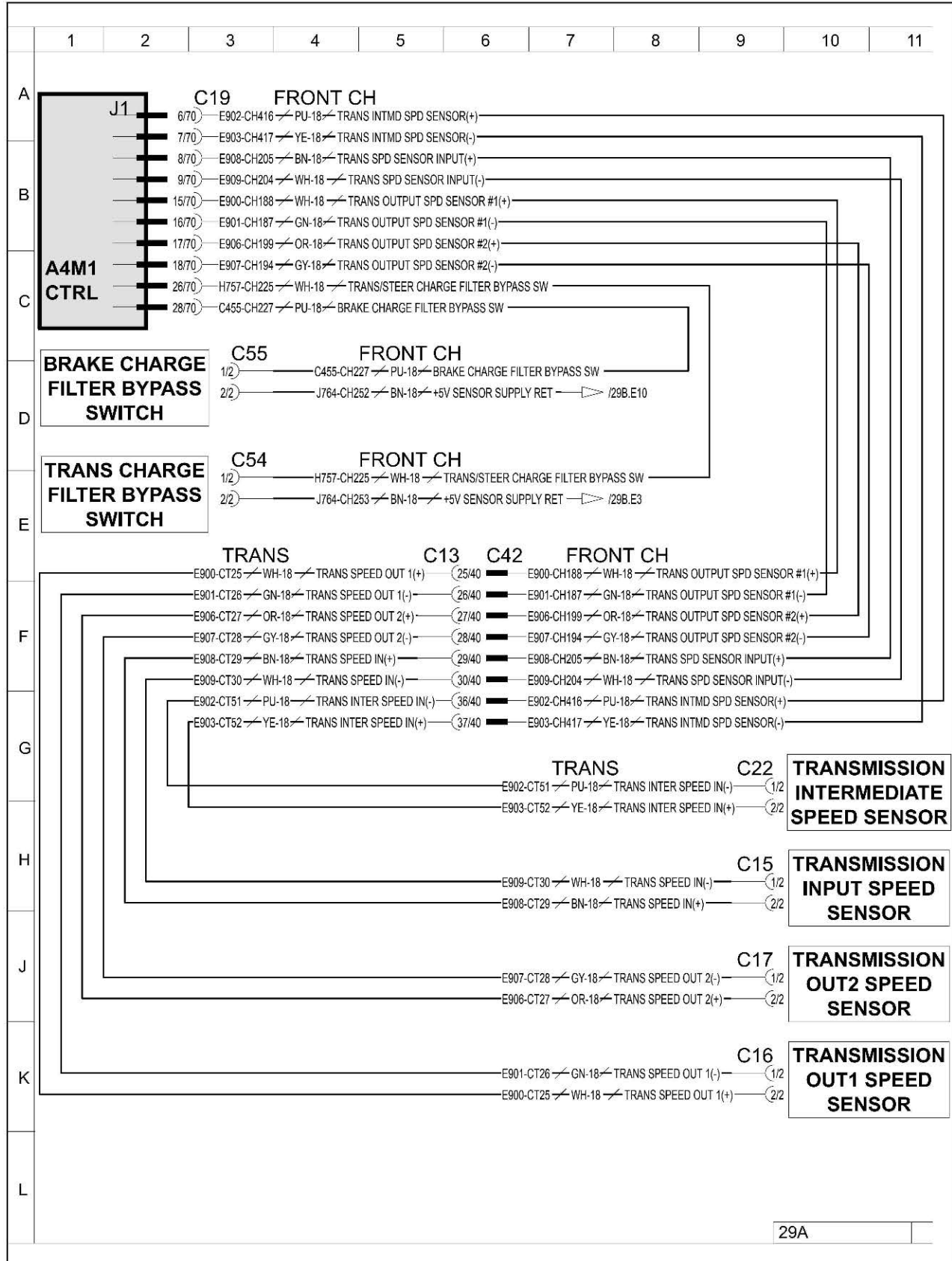


Fig. 65

18.2.62 Hydraulic oil switch

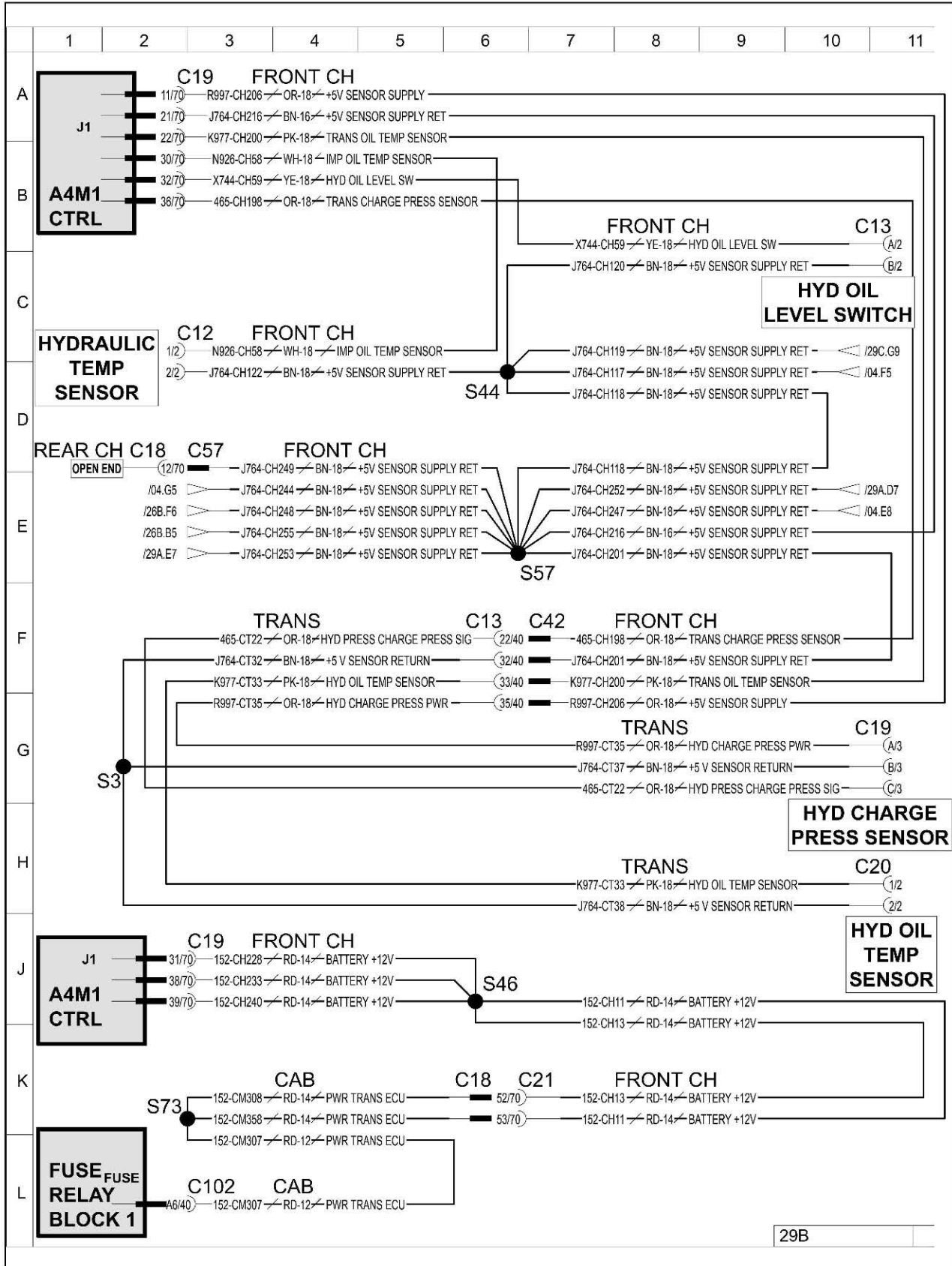


Fig. 66

18.2.63 Decel pedal sensor

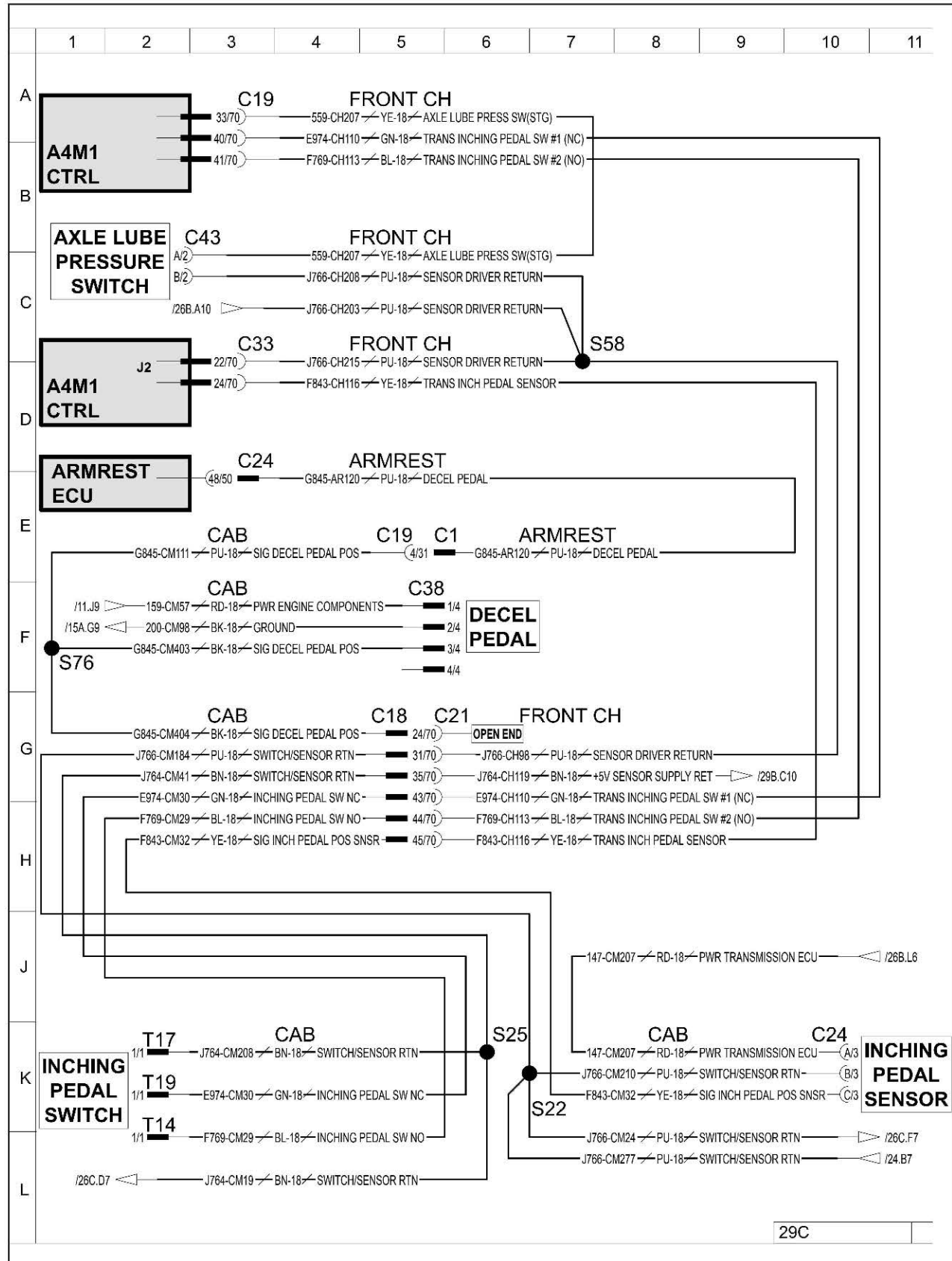


Fig. 67

18.2.64 Articulation sensor

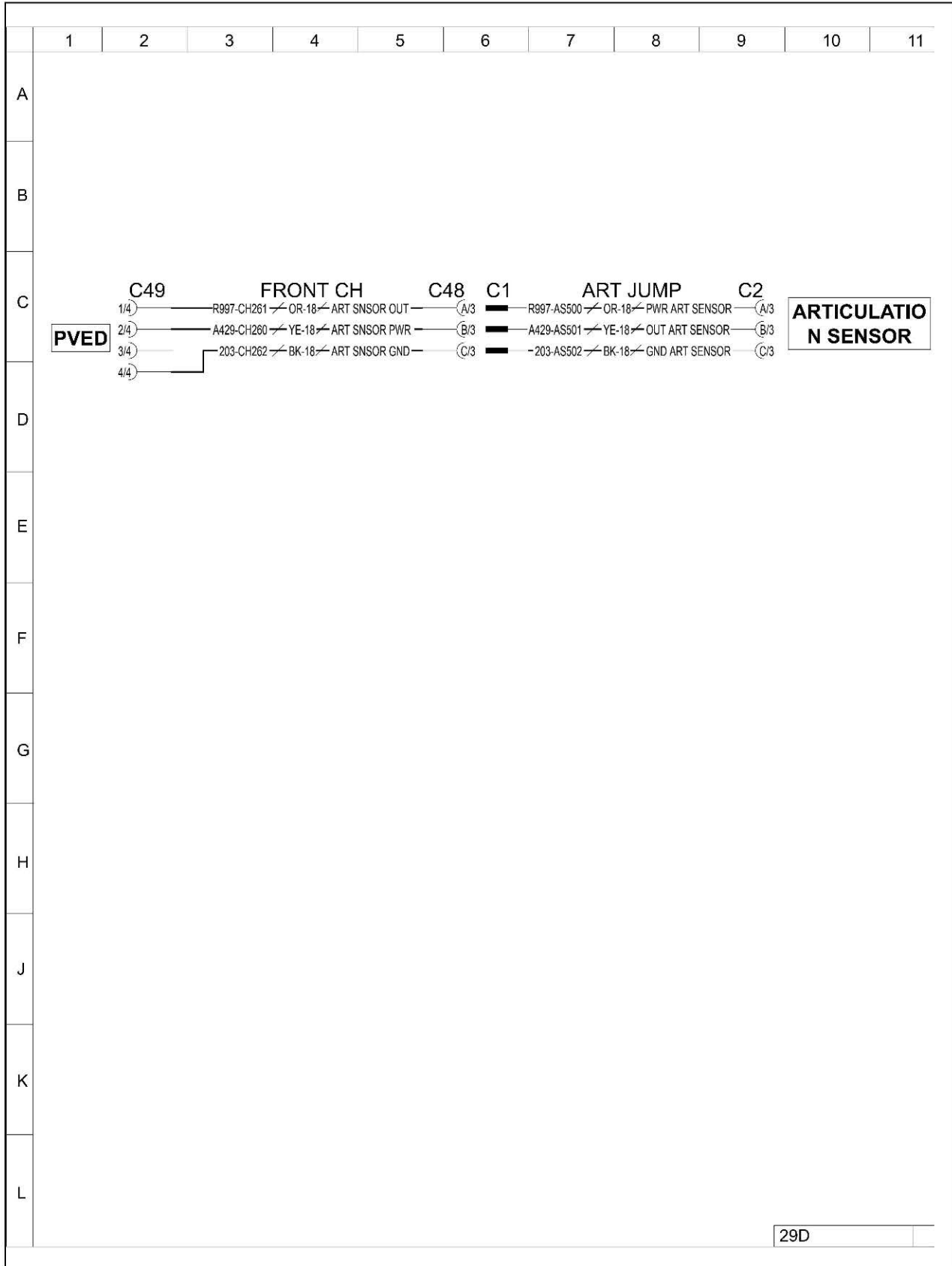


Fig. 68

18.2.65 Front and rear washer

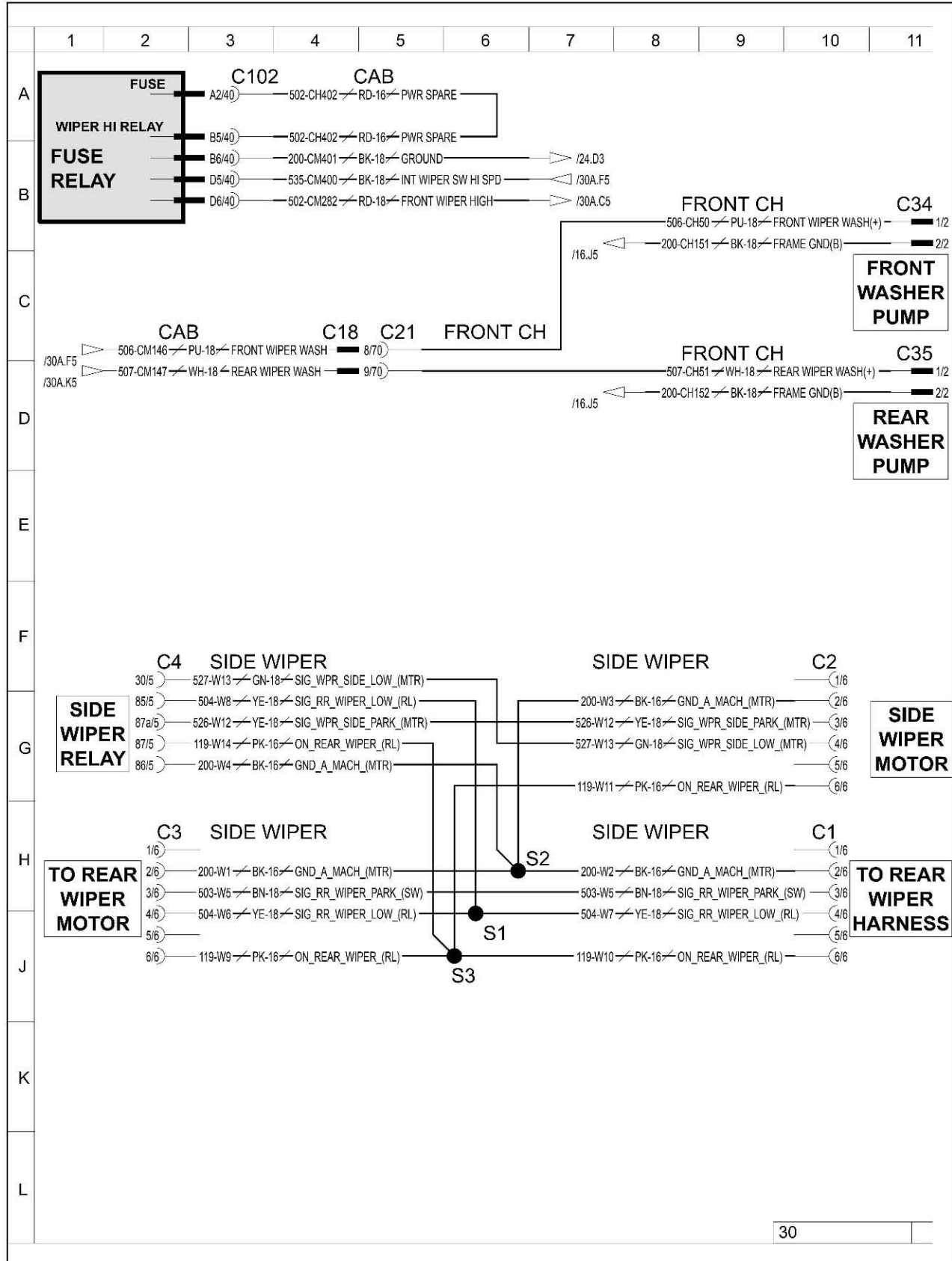


Fig. 69

18.2.66 Roof

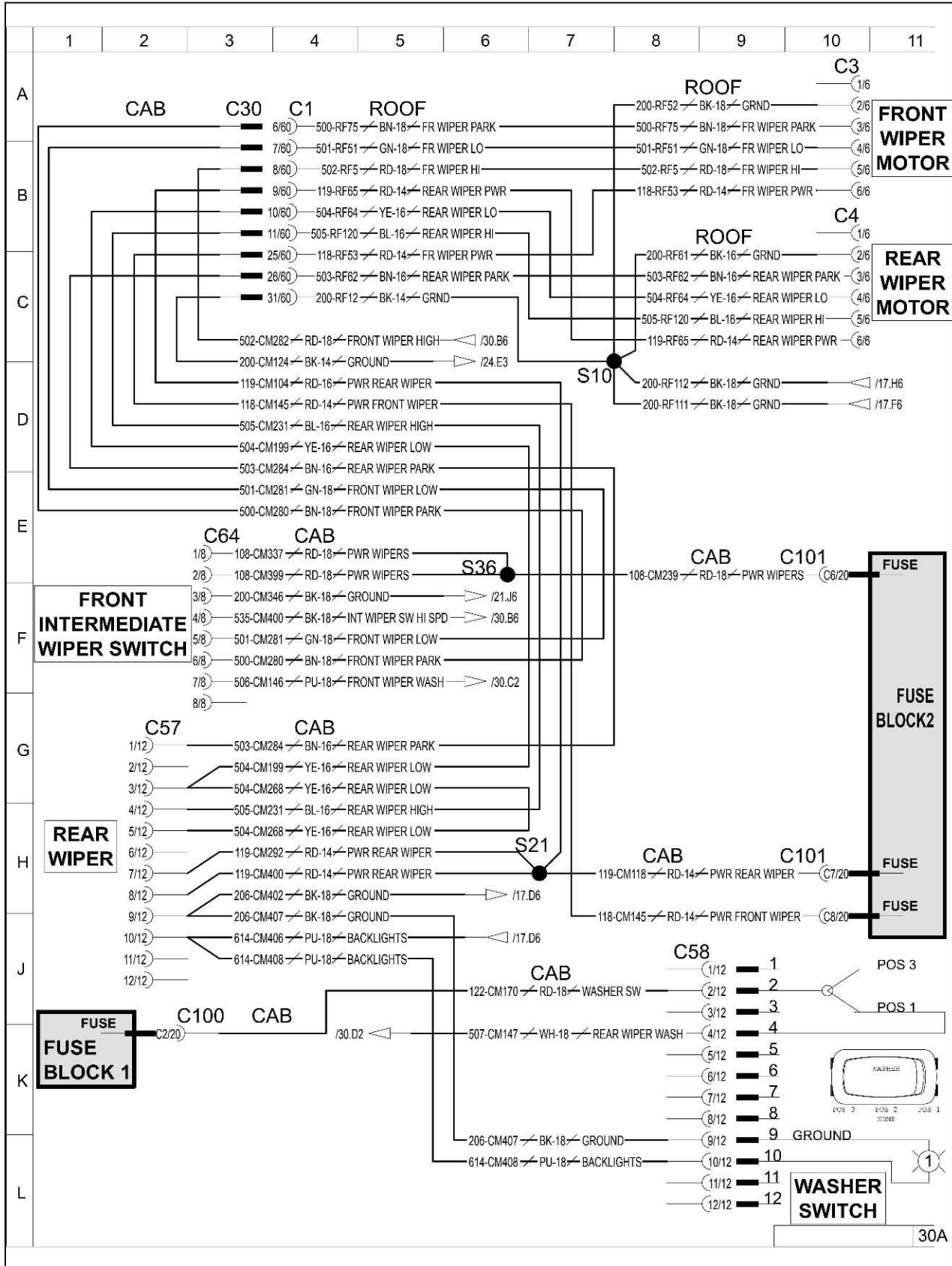


Fig. 70

18.3 Connector location diagrams

18.3.1 Battery group connector location diagram

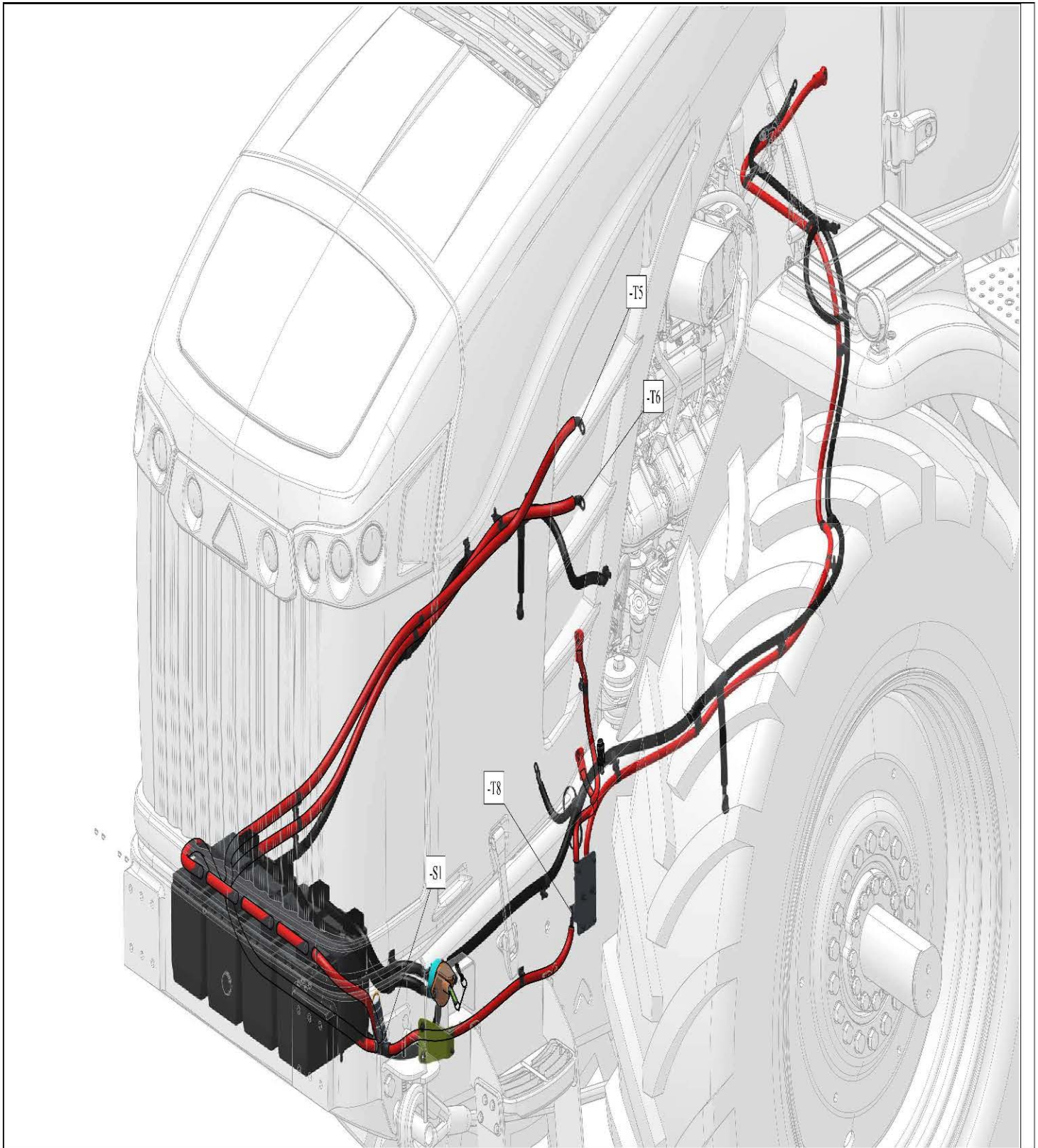


Fig. 71

18.3.3 Cab electrical top connector location diagram

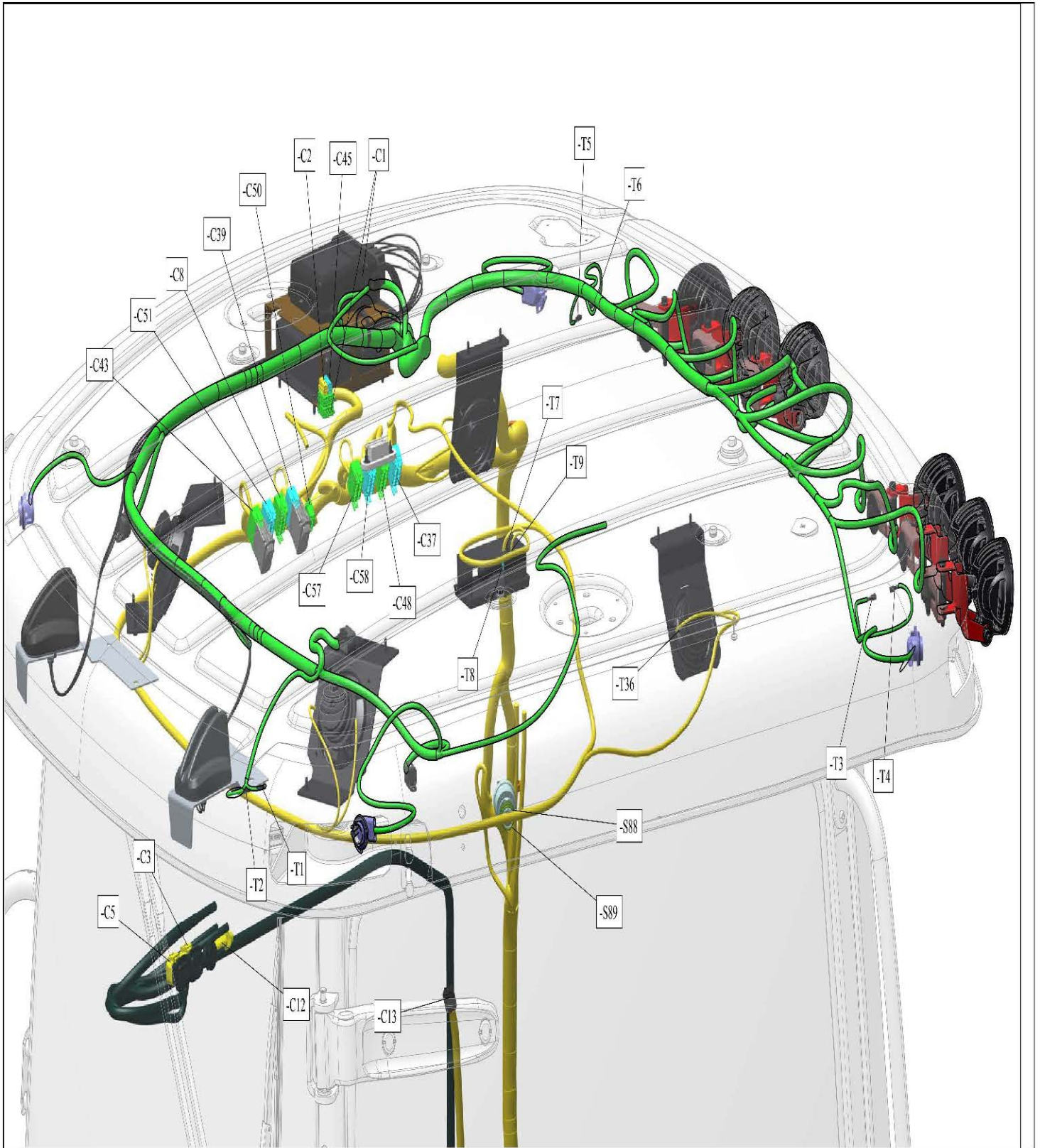


Fig. 73

18.3.5 Rear chassis electrical connector location diagram

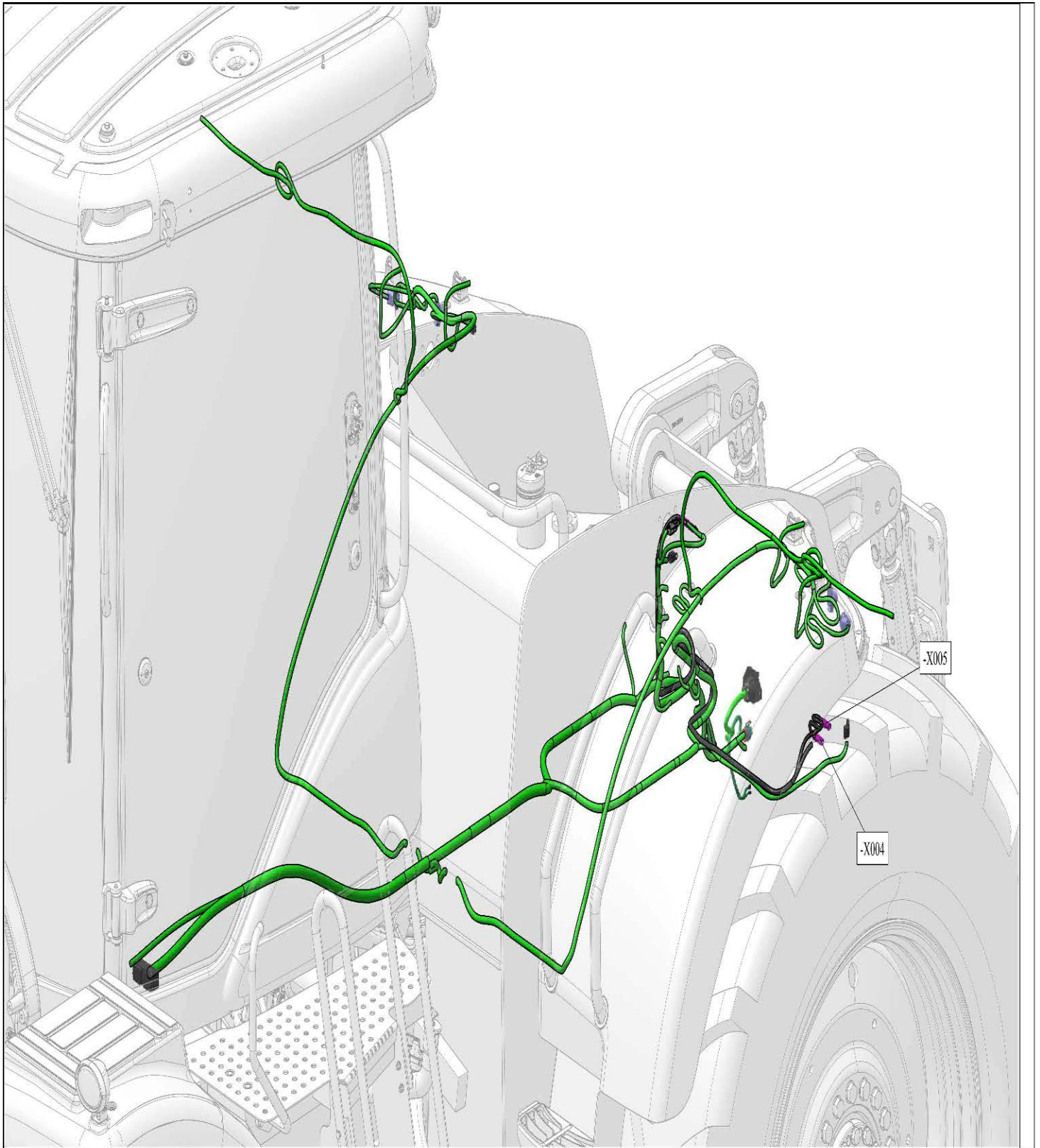


Fig. 75