

**DESIGN NOTES**

- FUSES:**
- 1-ENG DIAGNOSTIC PLUG (2A)
  - 2-HORN (5A)
  - 3-SPARE
  - 4-REMOTE MONITORS (5A)
  - 5-TO IGNITION KEY (10A)
  - 6-ECM run (5A)
  - 7-UNSWITCHED POWER (10A)
  - 8-MD4 (5A)
  - 9-XC43 C1 (20A)
  - 10-XC43 C2 (20A)
  - 11-LUBE SYSTEM OPTION (15A)
  - 12-CAB PRESSURIZER (10A)
  - 13-CAMERA SYSTEM (5A)
  - 14-12V SWITCHED POWER (5A)
  - 15-SPARE 12V FULL TIME / CB (5A)
  - 16-WIPERS (10A)
  - 17-SEAT AIR COMPRESSOR (15A)
  - 18-PARK BRAKE (5A)
  - 19-BEACON (5A)
  - 20-FRONT LIGHTS (10A)
  - 21-REAR LIGHTS (5A)
  - 22-BLADE/BUCKET FLOAT (15A)
  - 23-VENT FAN (10A)
  - 24-SPARE ACC/RUN (5A)
  - 25-FULL TIME 12V (10A)
  - 26-FULL TIME 12V (10A)
  - 27-RADIO UNSWITCHED 12V (10A)
  - 28-SPARE 12V (10A)
  - 29-RADIO SWITCHED 12V (10A)
  - 30-SWITCHED 12V (10A)
  - 31-SWITCHED 12V (10A)
  - 32-SWITCHED 12V (10A)
  - 33-HVAC (15A)
  - 34-FRONT WIPER R9 (15A)
  - 35-INVERTER (20A)
  - 36-SPARE OVERHEAD SWITCH CIRCUIT (10A)
  - 37-SPARE OVERHEAD SWITCH CIRCUIT (10A)
  - 38-SPARE OVERHEAD SWITCH CIRCUIT (10A)
  - 39-DEFROST FAN (10A)
  - 40-REAR WIPER R10 (15A)
- RELAYS:**
- 1-ECM RUN
  - 2-IGN RUN
  - 3-ENGINE RUNNING
  - 4-ACC/RUN
  - 5-PARK BRAKE
  - 6-BLADE FLOAT
  - 7-VENT FAN
  - 8-HVAC
  - 9-FRONT WIPER
  - 10-REAR WIPER
- WIRE COLOR CODE**
- GREEN = GROUND
  - RED = 24V POWER
  - PUR = 5V REF
  - BLUE = -VREF
- HIGHEST USED CONNECTOR #**
- C74 imp pressure
  - C75 converter
  - C76 HVAC CONTROLLER
  - C77 A,B,C 12V OUTLETS
  - C78 HOUR METER
  - C79 DIAGNOSTIC PLUG
  - C80 POI
  - C81 TORQUE LOCKUP
  - C82 LOAD SENSE DRAIN
  - C83-C87 TE32 CONTENT
  - C88 REVERSE CAMERA
  - C89 OPT 24VDC PWR
  - C90 BUSS ENG RUN

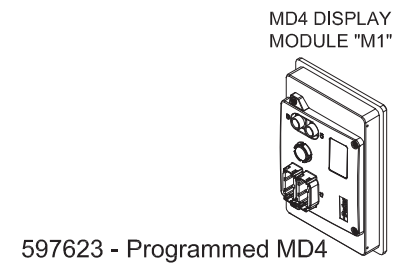
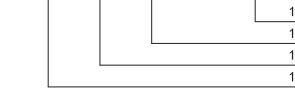
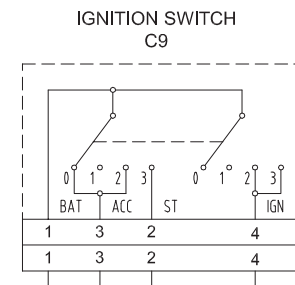
**IGNITION AND IQAN MD4**

**CAB**

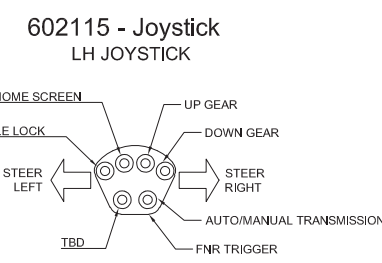
**CB PANEL / BULKHEAD**

597383 - Module  
(10) 597377 - Relay

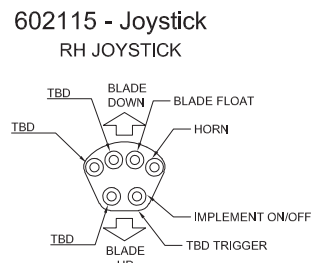
**CHASSIS**



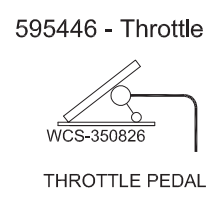
597623 - Programmed MD4



C3



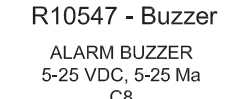
C4



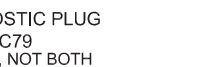
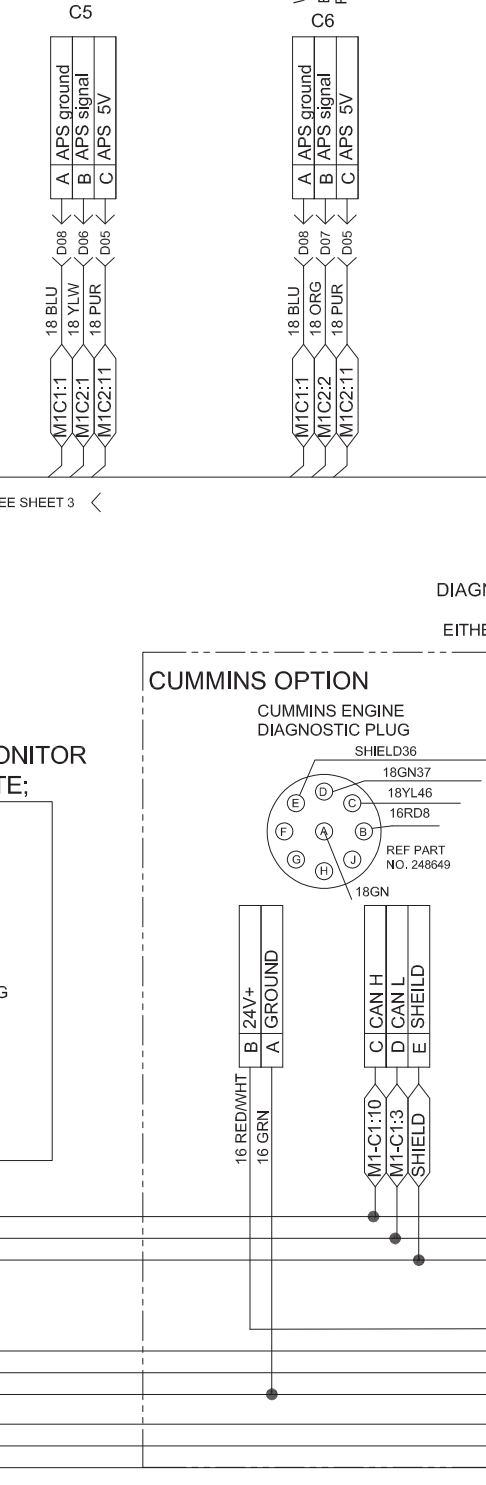
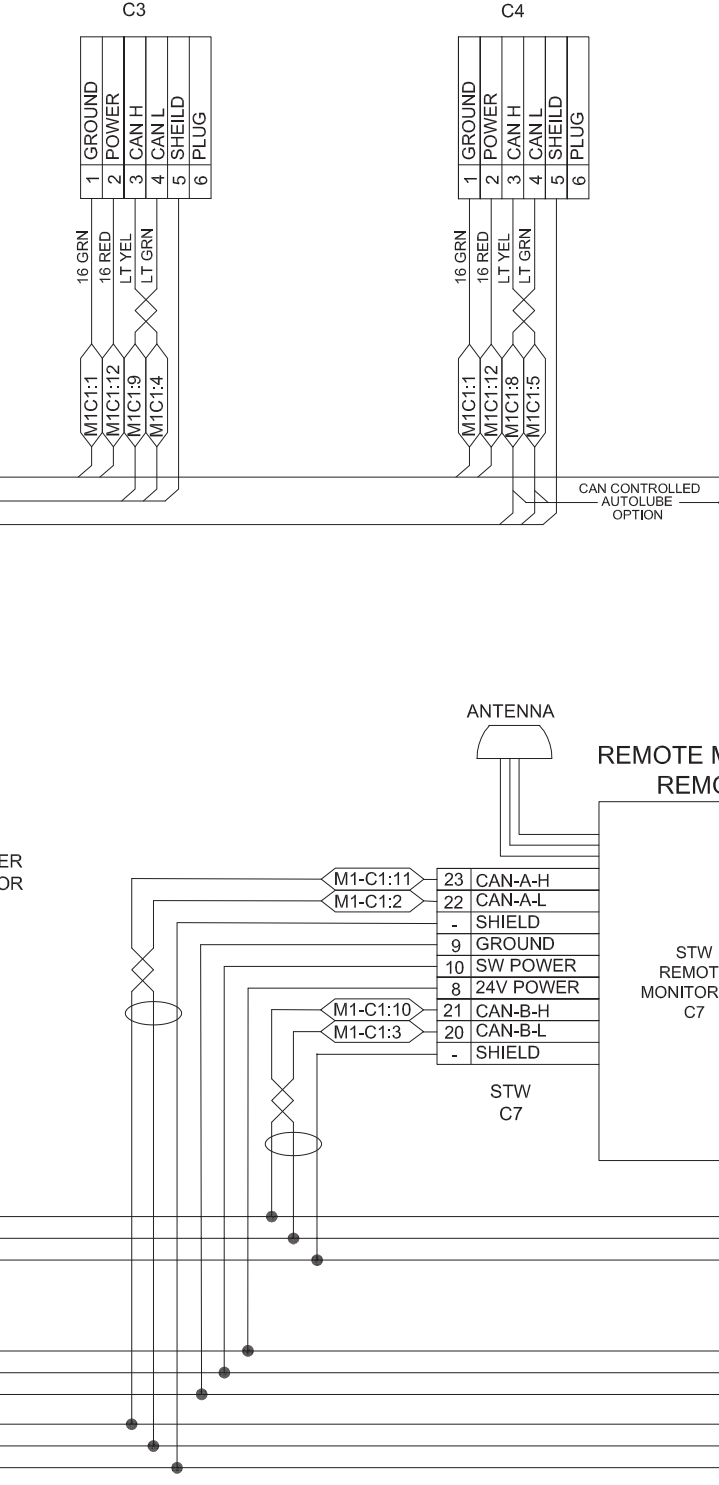
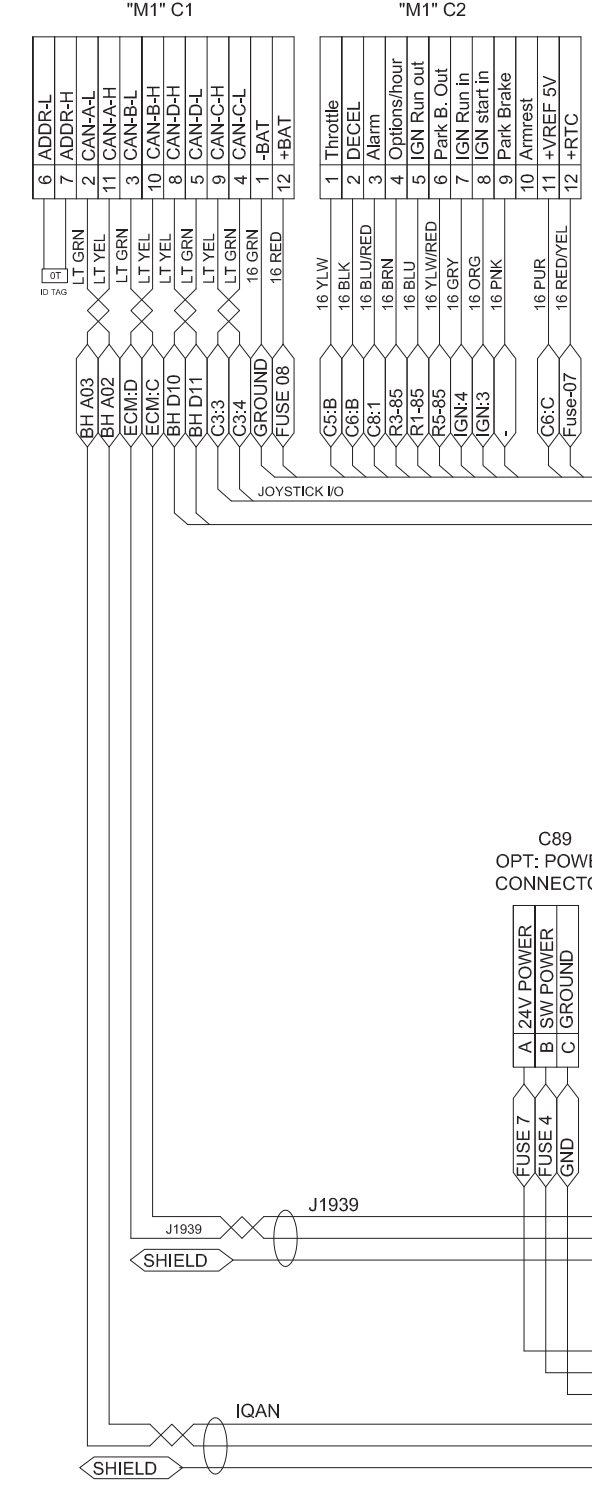
THROTTLE PEDAL



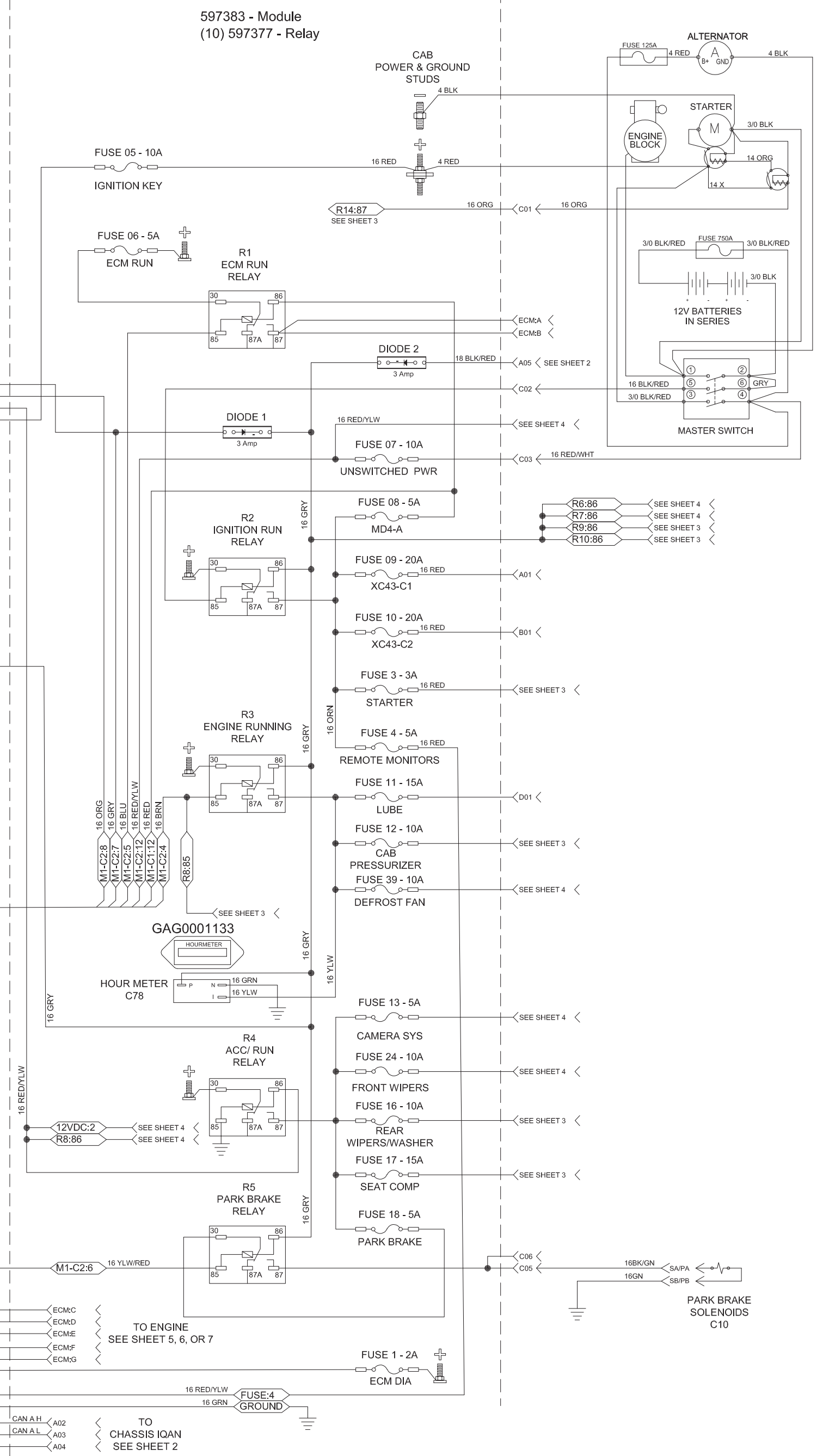
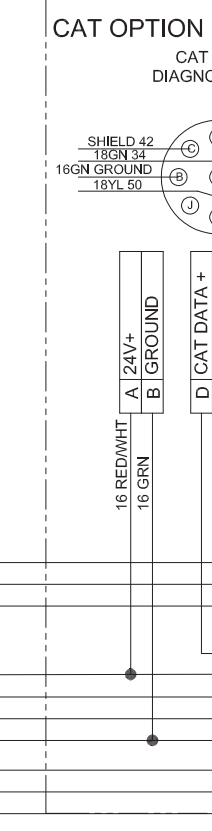
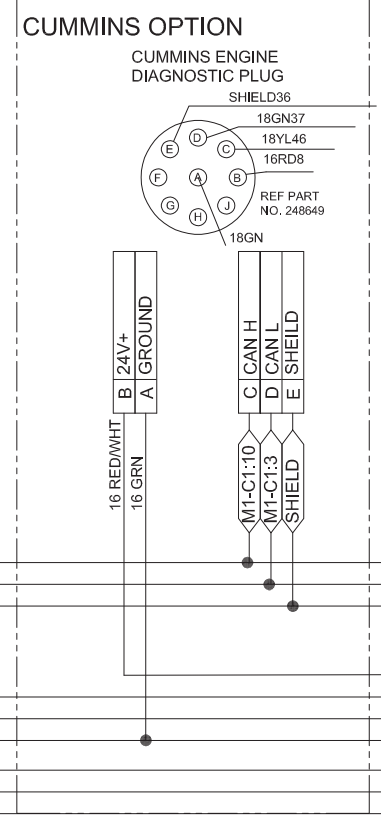
DECCEL THROTTLE PEDAL



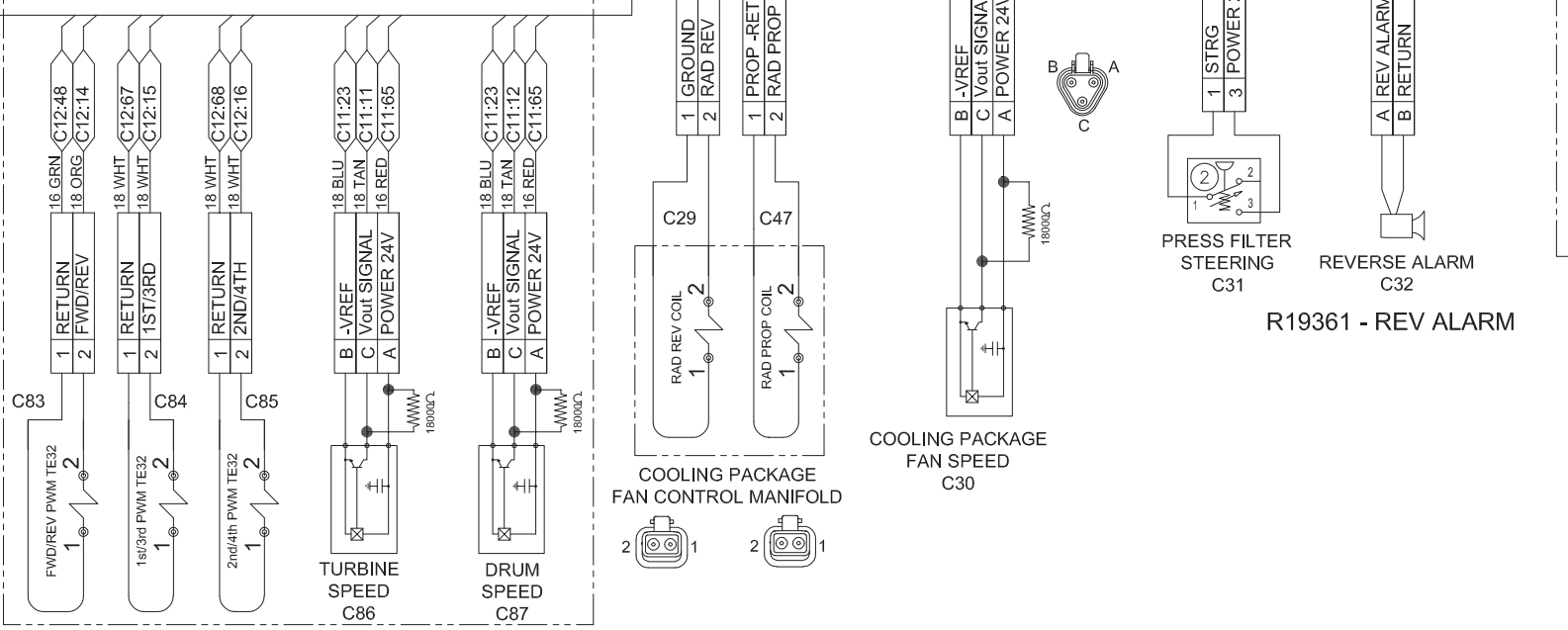
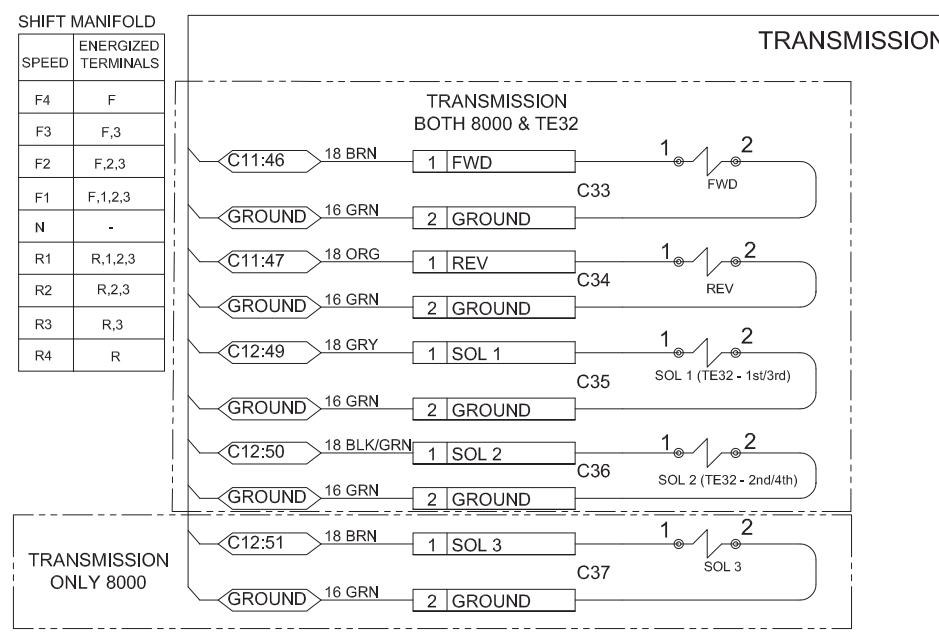
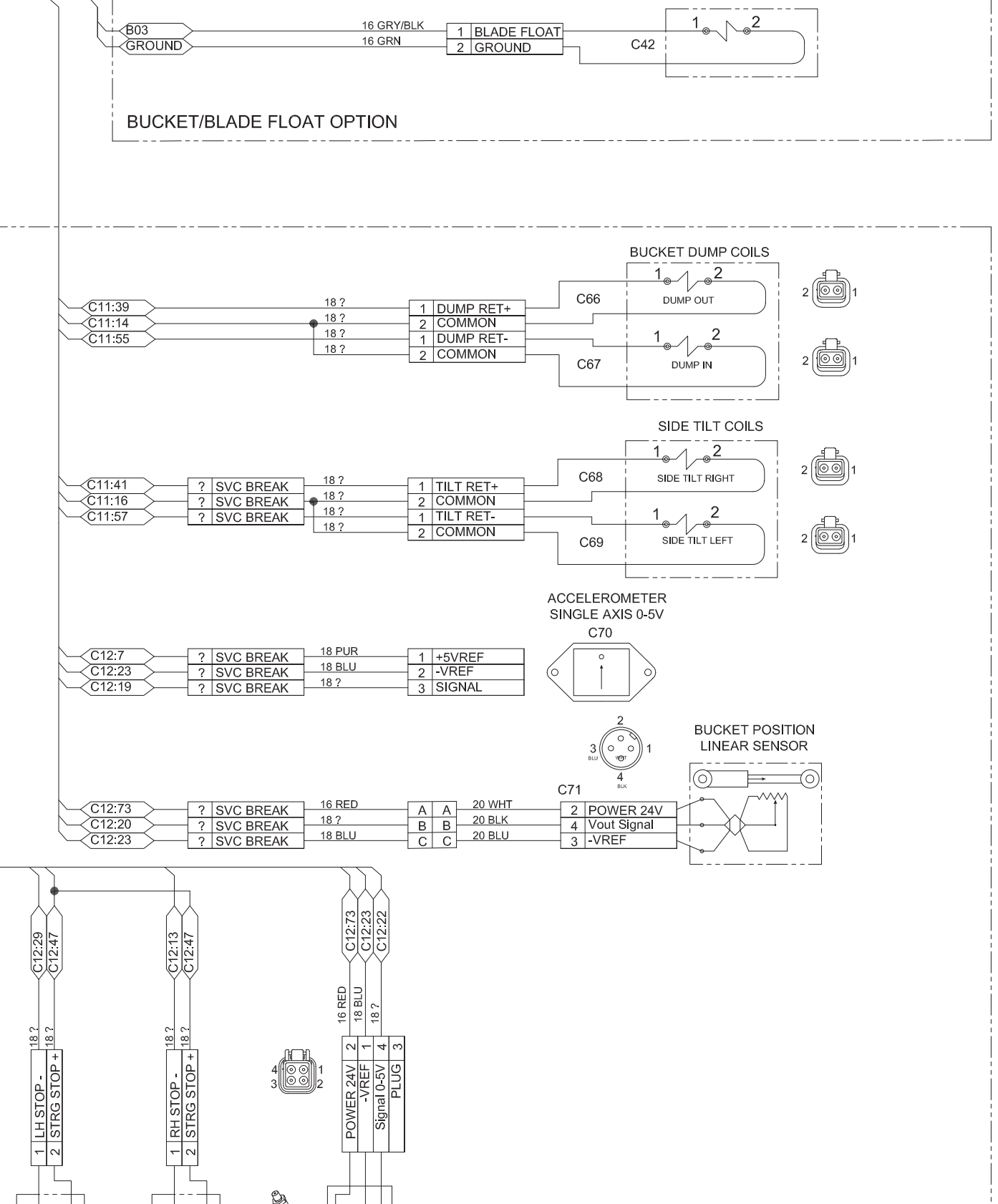
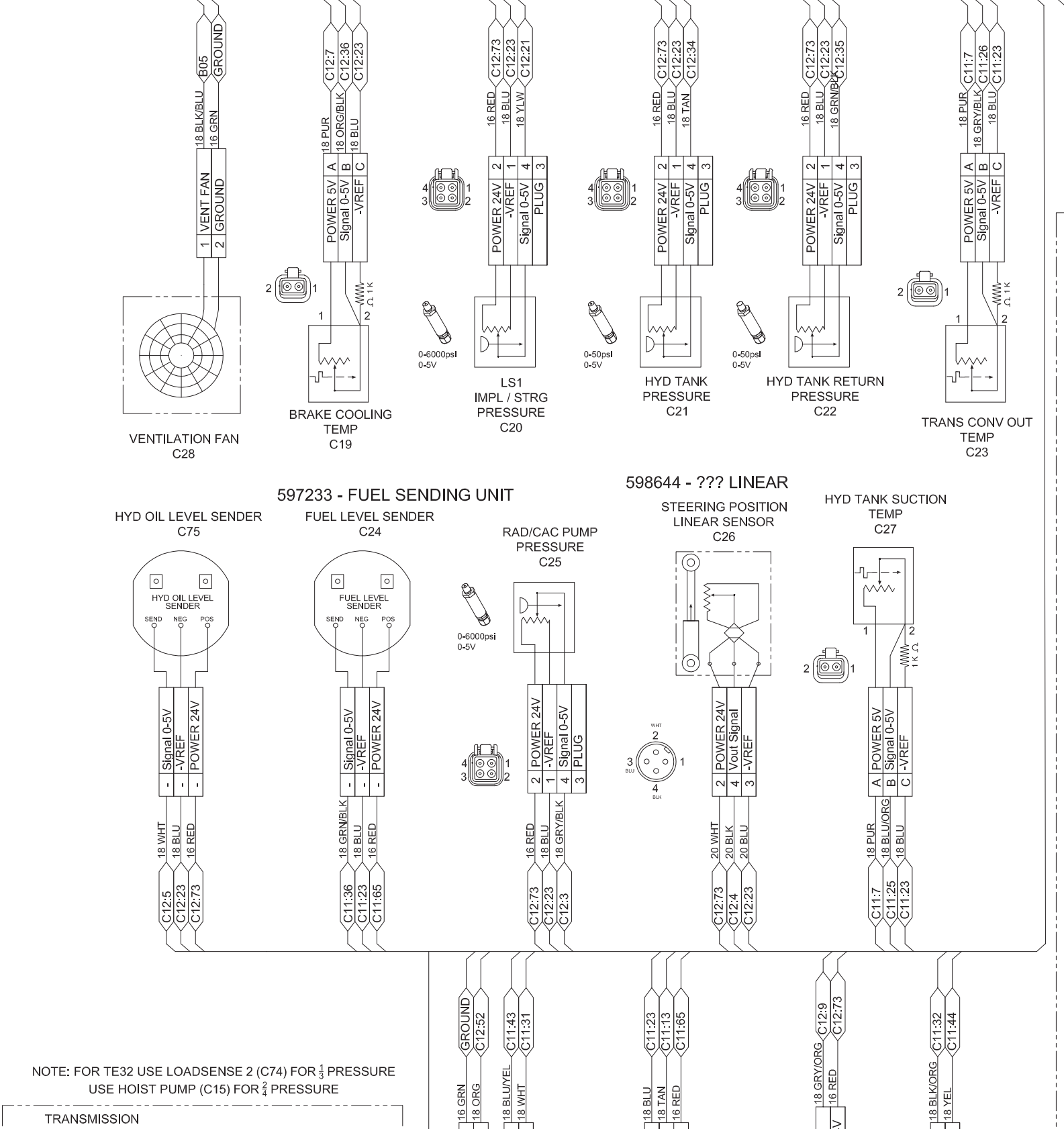
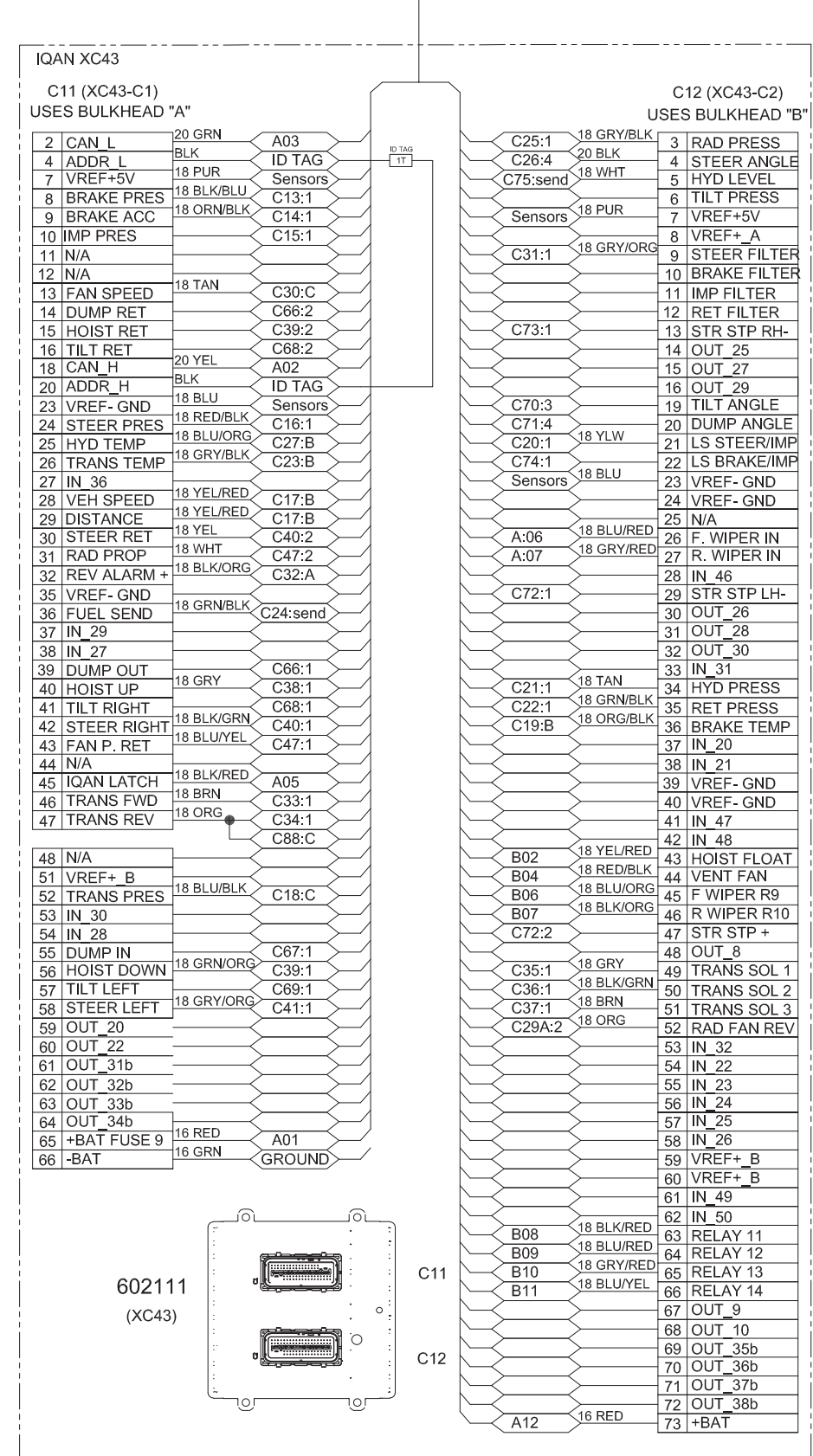
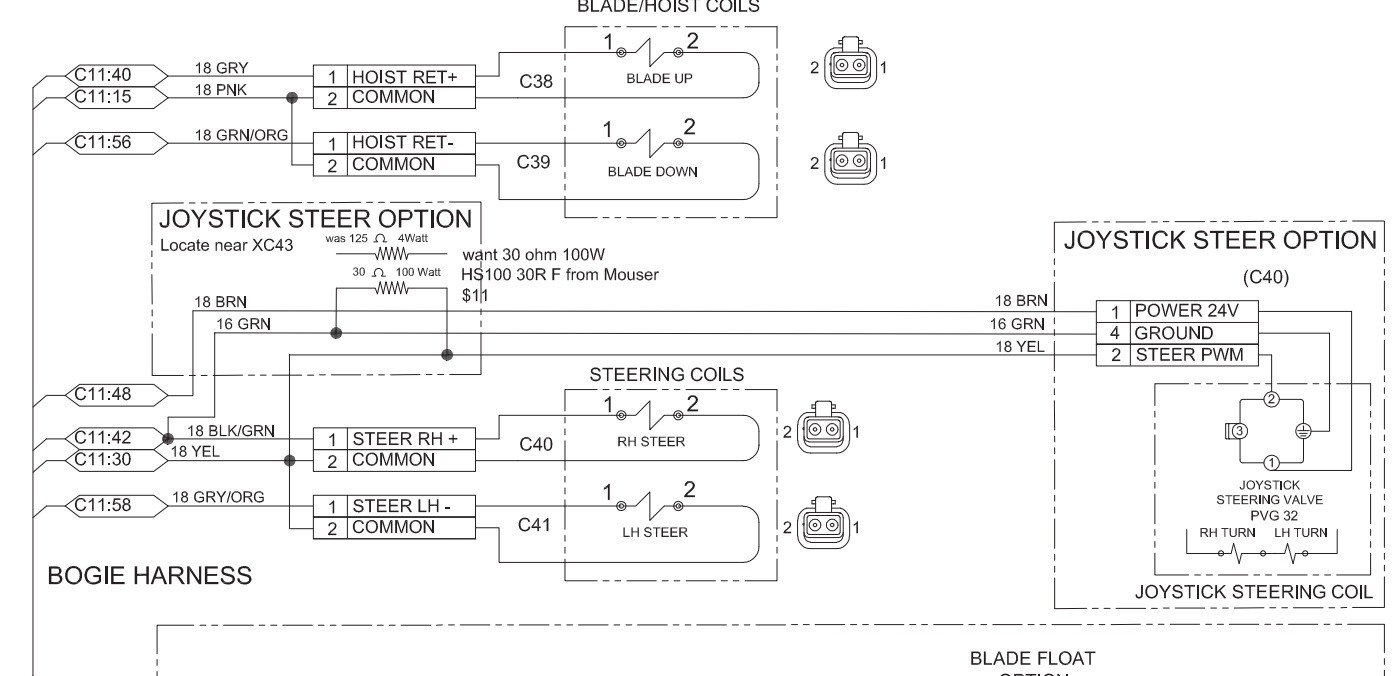
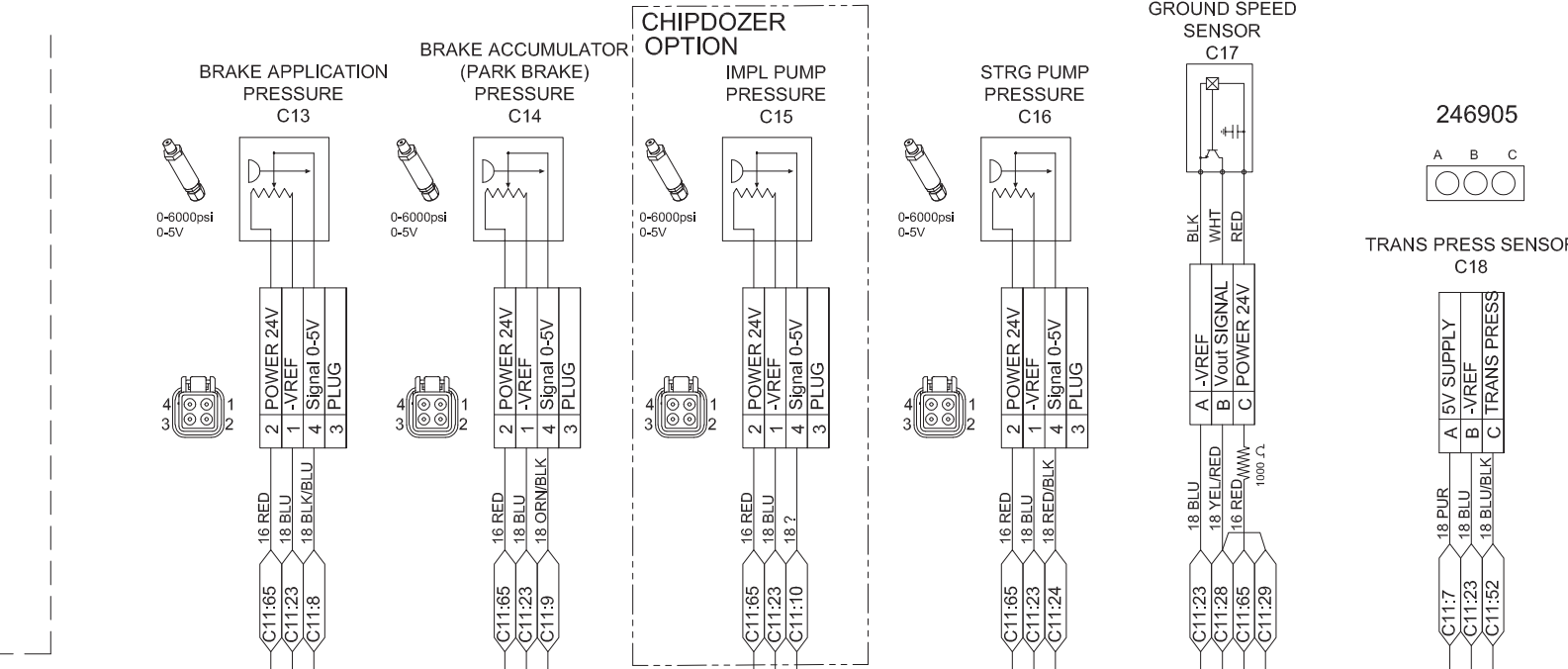
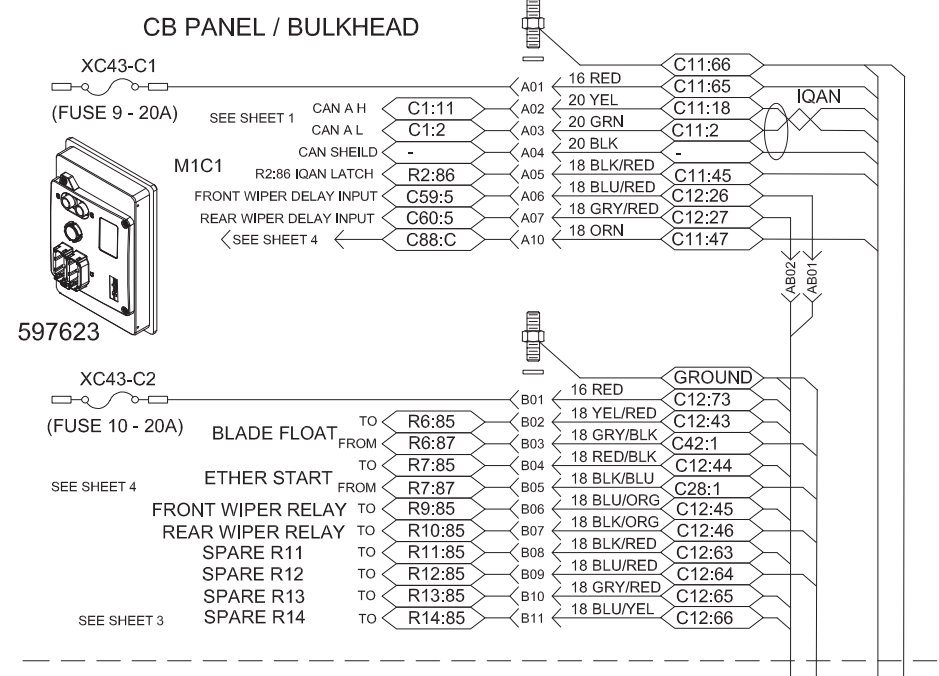
C8

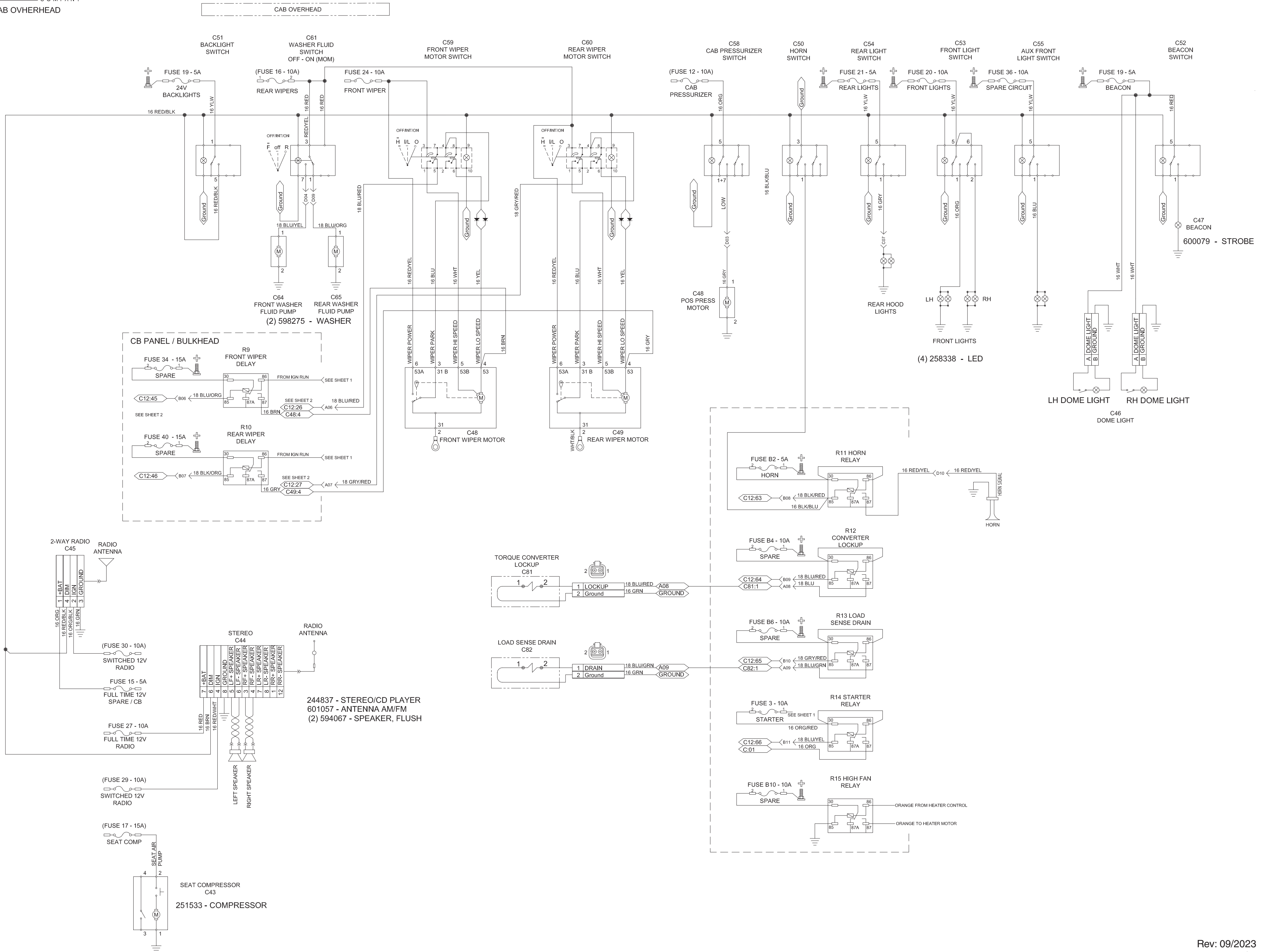


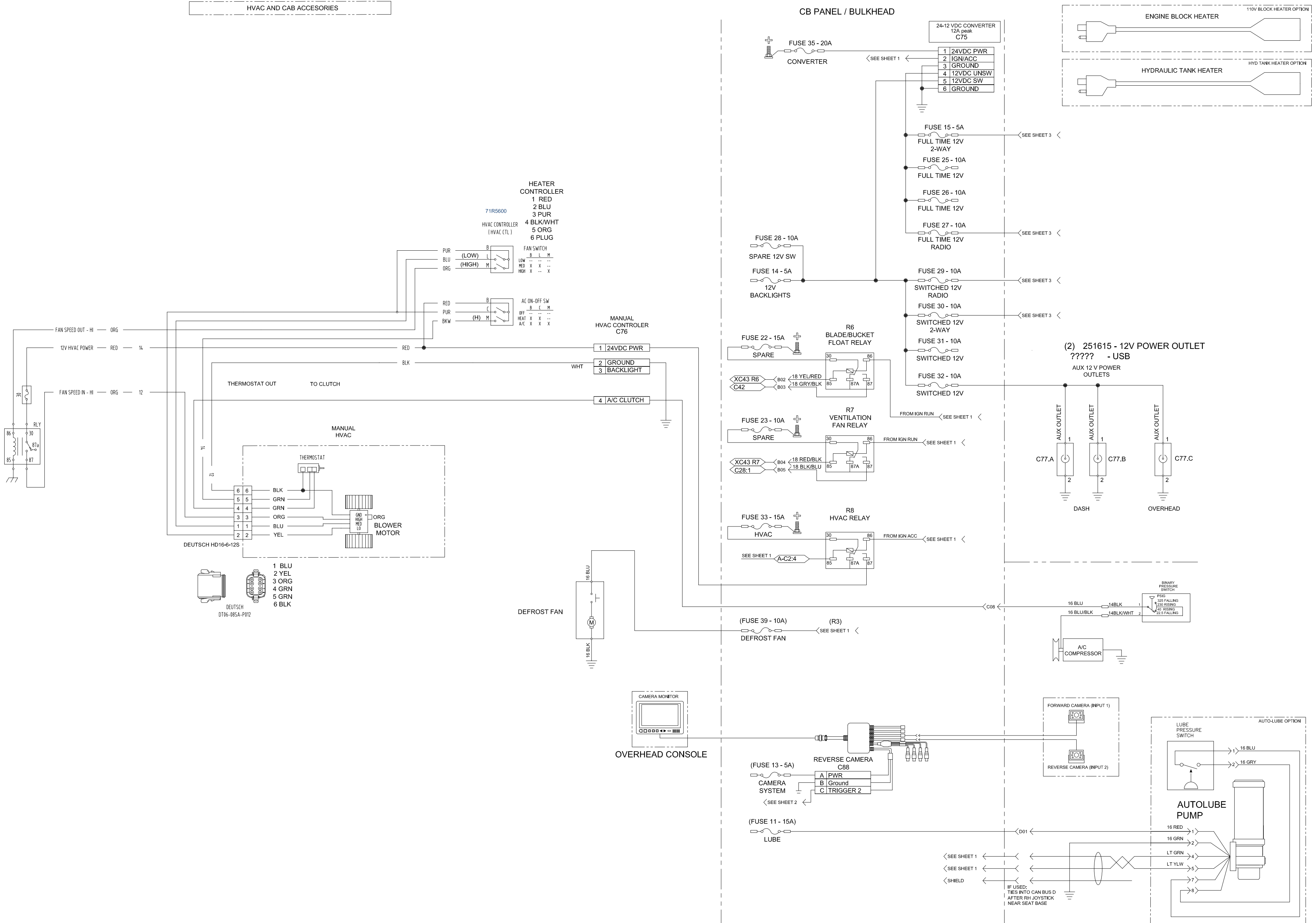
C79



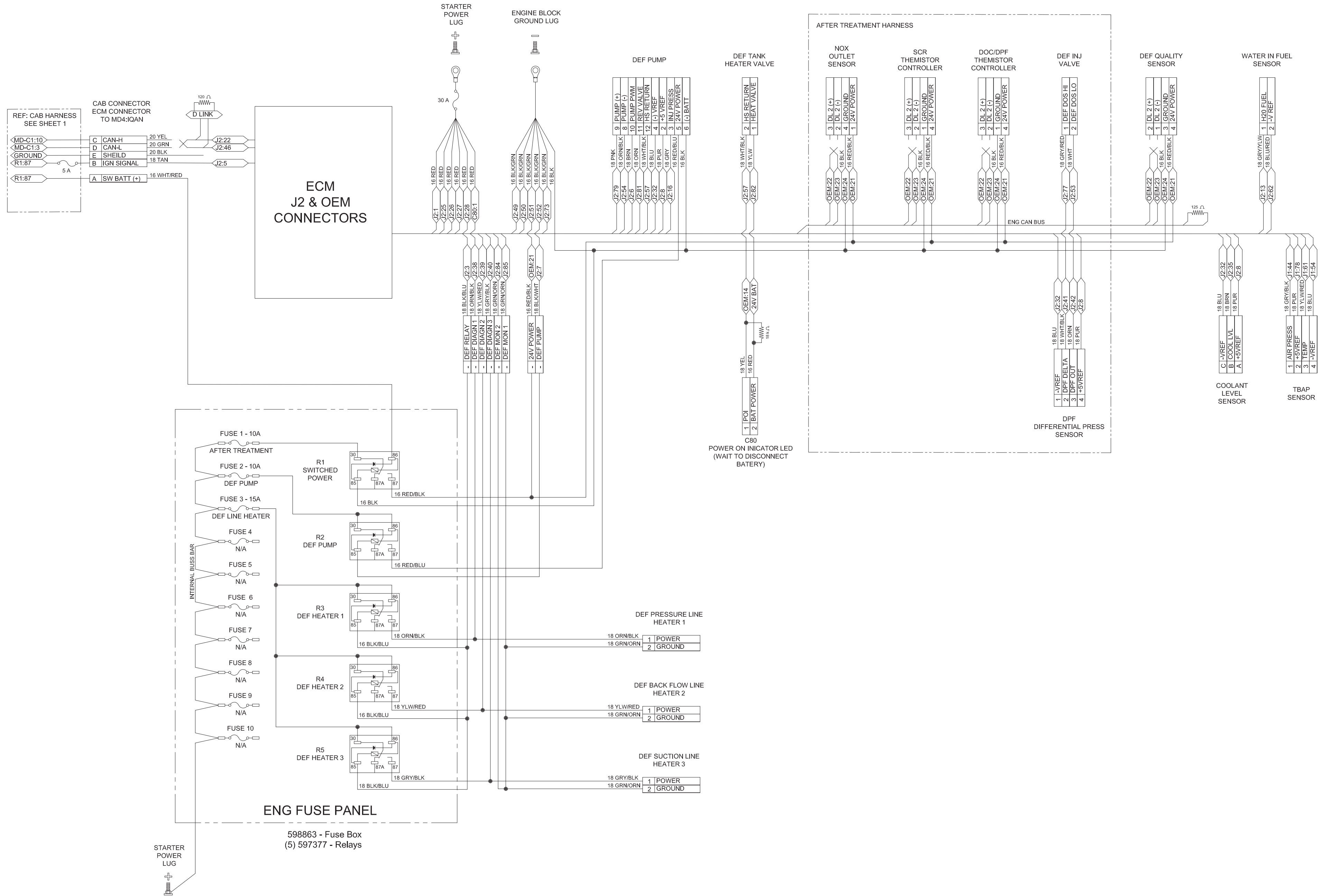
NOTE: PART NUMBERS LISTED IN THIS SCHEMATIC ARE FOR REFERENCE ONLY AND NOT CONTROLLED.



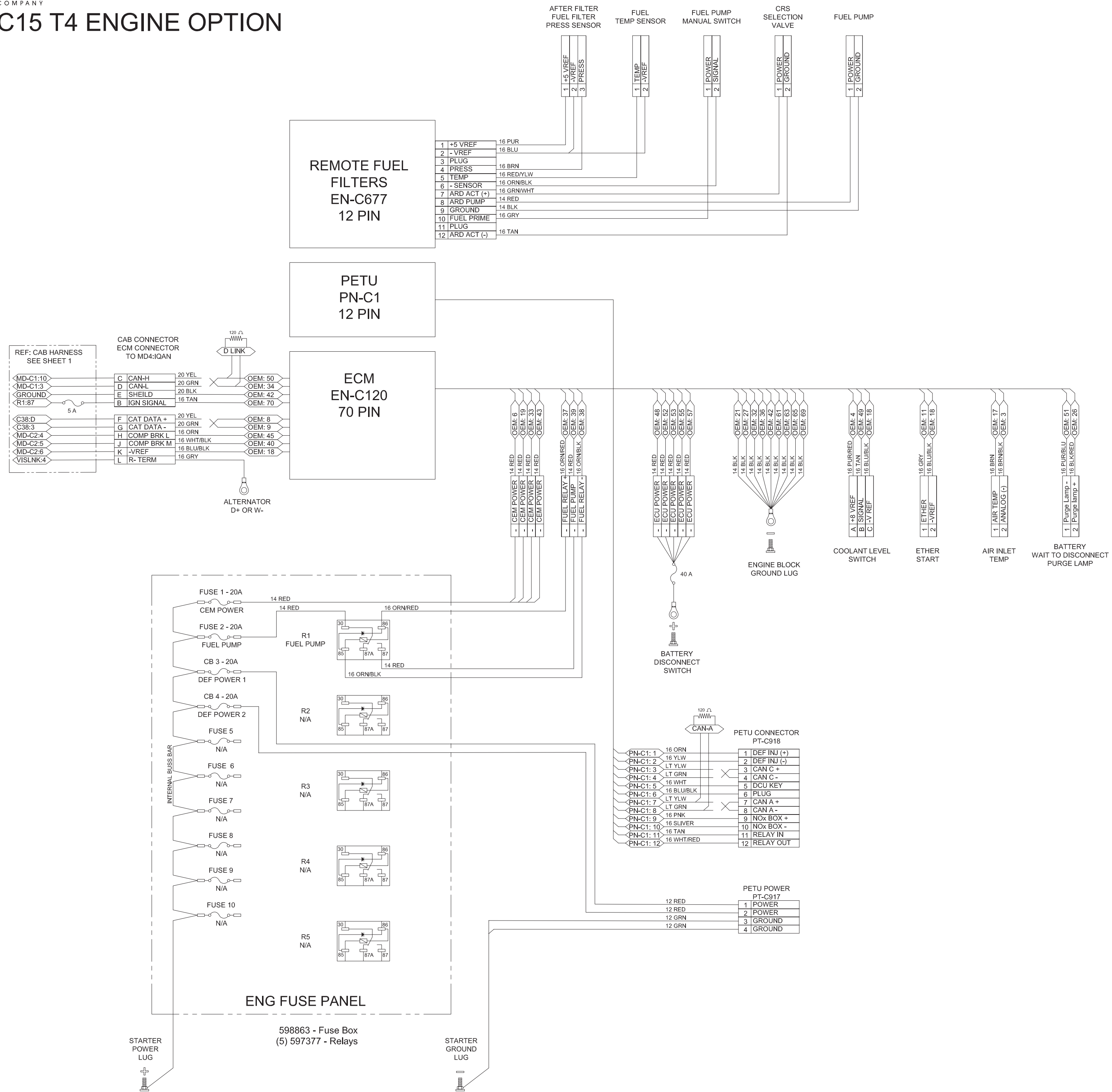




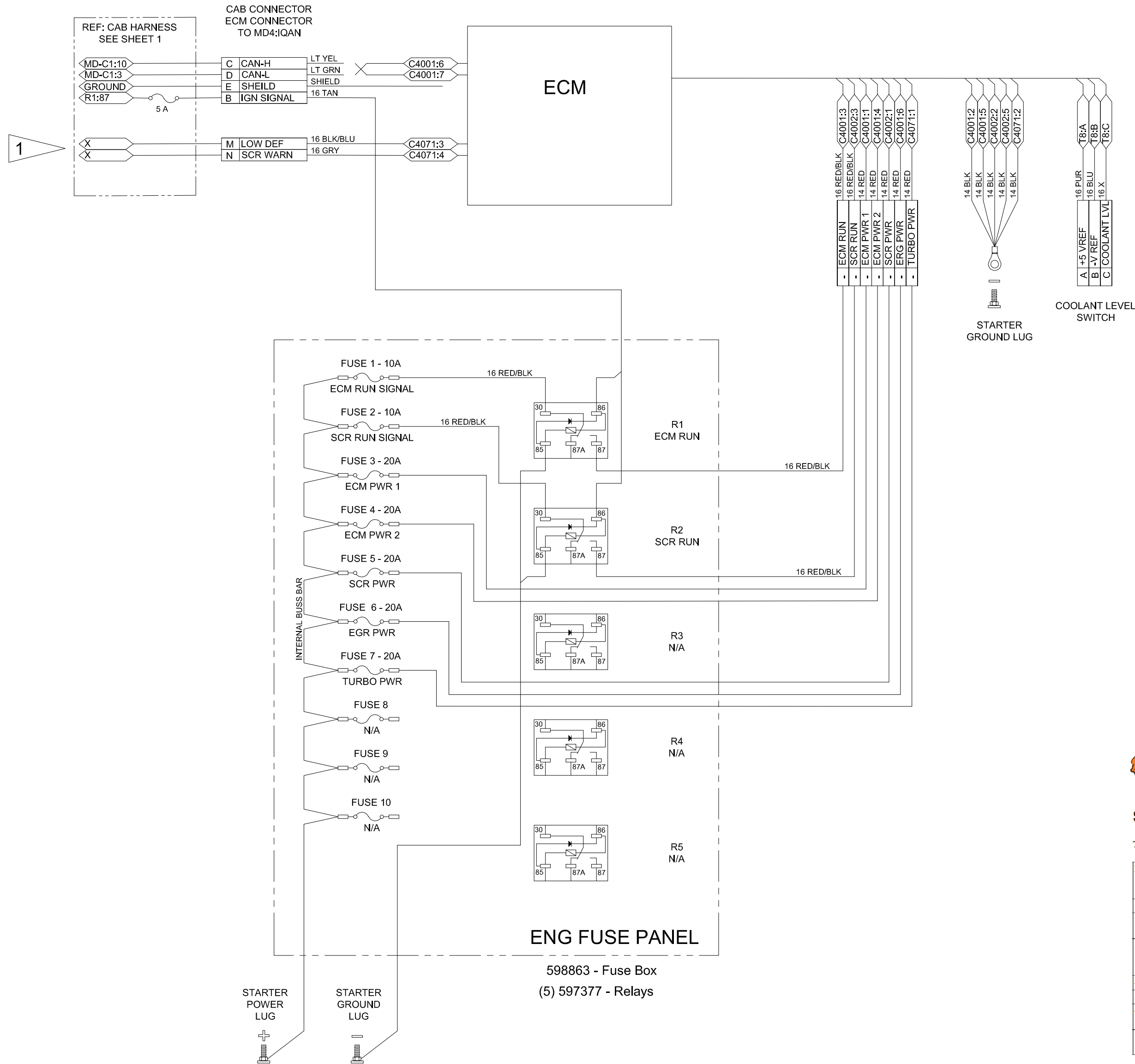
# CUMMINS QSX15 T4 ENGINE OPTION



# CAT C15 T4 ENGINE OPTION



# SCANIA OC16 T4 ENGINE OPTION

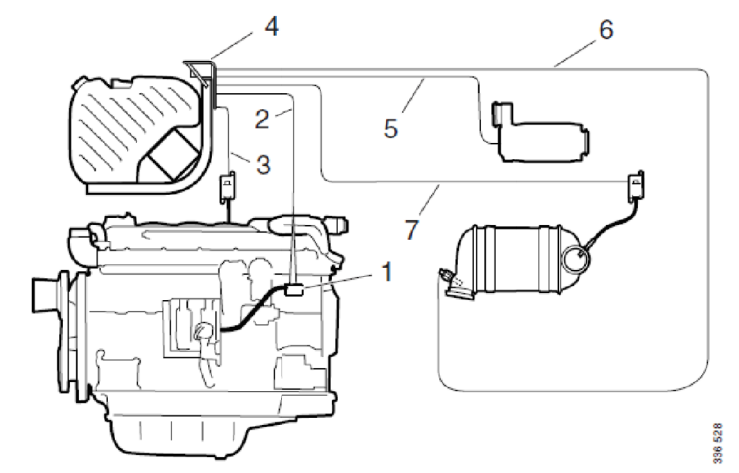


INSTALLATION  
MANUAL

## System overview of electrics

The illustration shows an overview of the electrical connections in the SCR system.

Item	Component	Supplied from the factory	Fitted by fitter
1	Engine interface for SCR system	X	
2	Cable harness between engine and SCR control unit	X	X
3	Electrical cable for NOx sensor in exhaust brake housing/exhaust pipe downstream of the turbocharger	X	X
4	Electrical connection to SCR system	X	
5	Electrical cable for reductant doser	X	X
6	Electrical cable for exhaust gas temperature sensor	X	X
7	Electrical cable for NOx sensor on the outlet side of the SCR catalytic converter	X	X



1. Stage IV/Tier 4f only.

# CUMMINS QSL9 T4 ENGINE OPTION

