

CR6090, CR7090, CR8080, CR8090, and CR9090 COMBINES

84571052

ELECTRICAL SCHEMATIC, NORTH AMERICA

MODEL YEAR 2012 PRODUCTION

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GROUND LOCATIONS

LEGEND

UNSWITCHED POWER

SWITCHED POWER

STARTING SEQUENCE

24 VOLT SYSTEM

24 VOLT SWITCHED POWER

WIRING REFERENCES

LEGEND

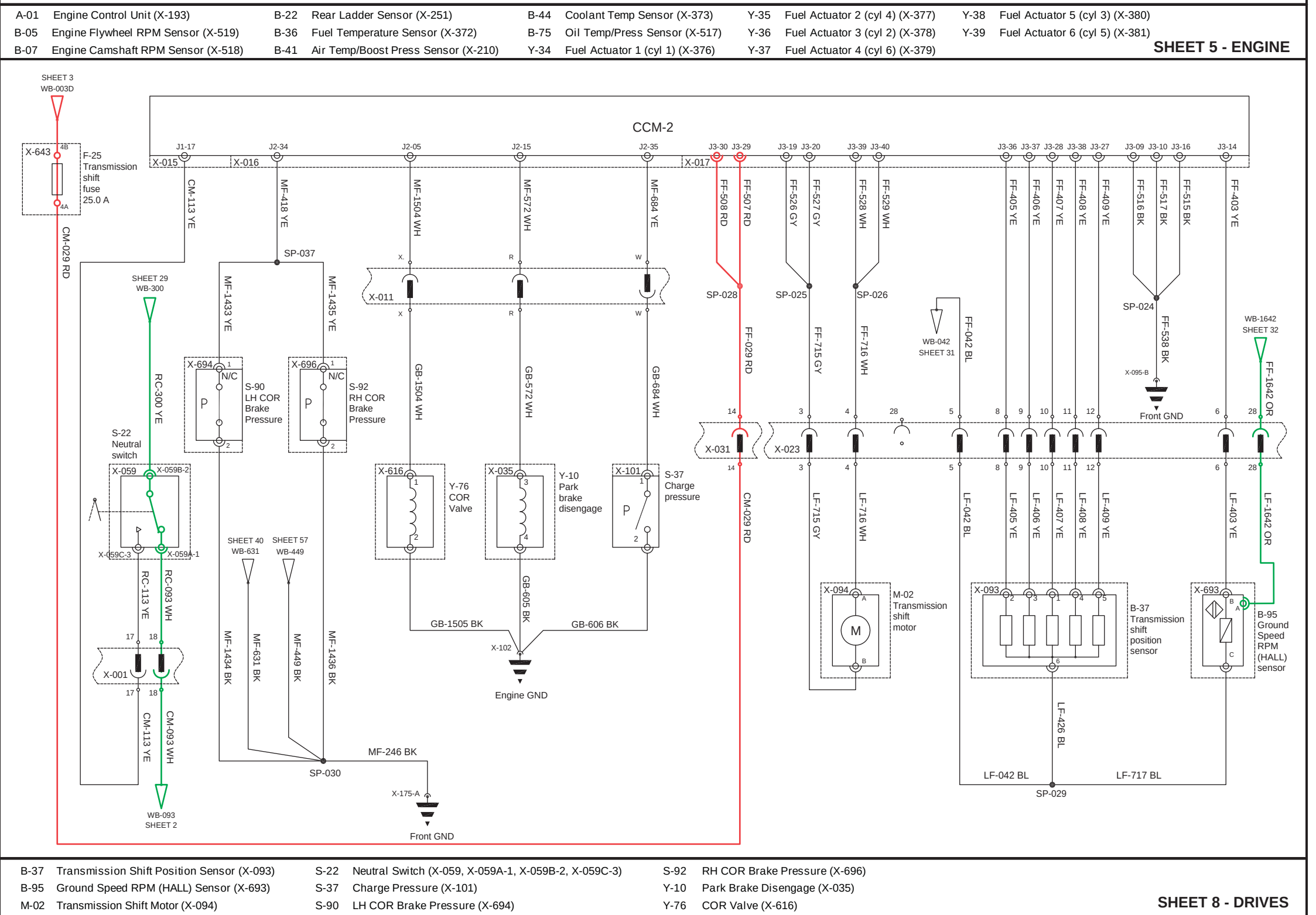
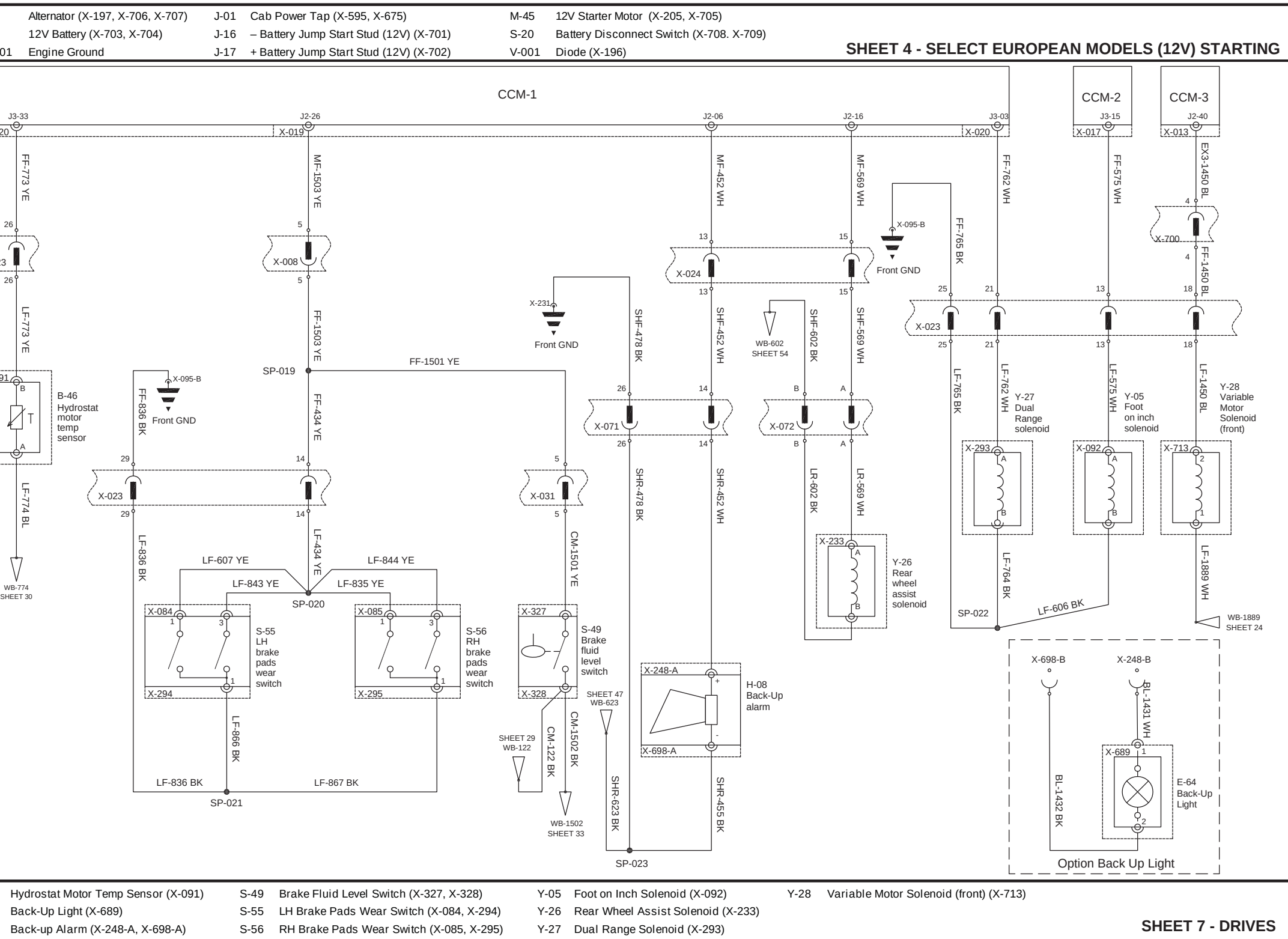
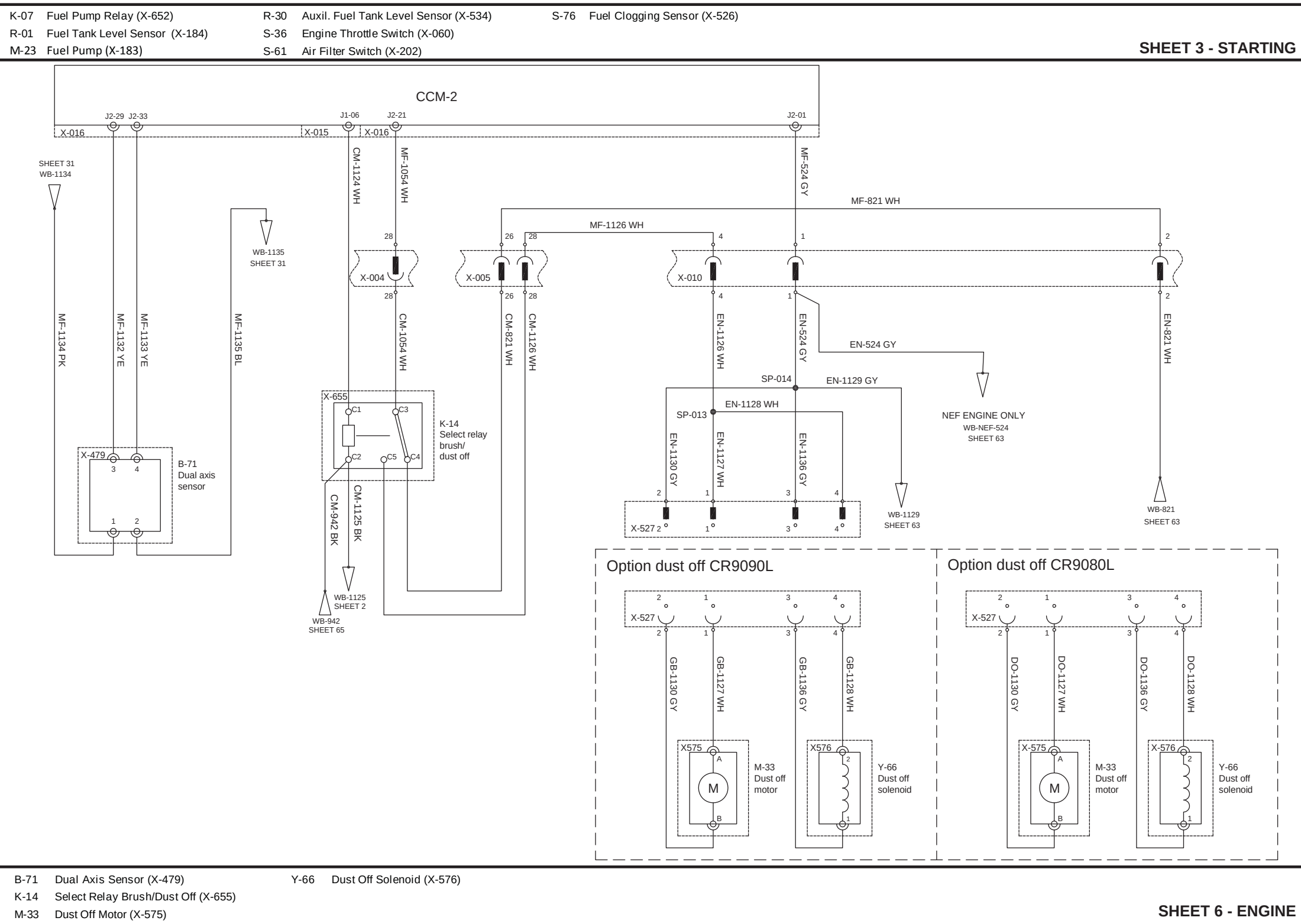
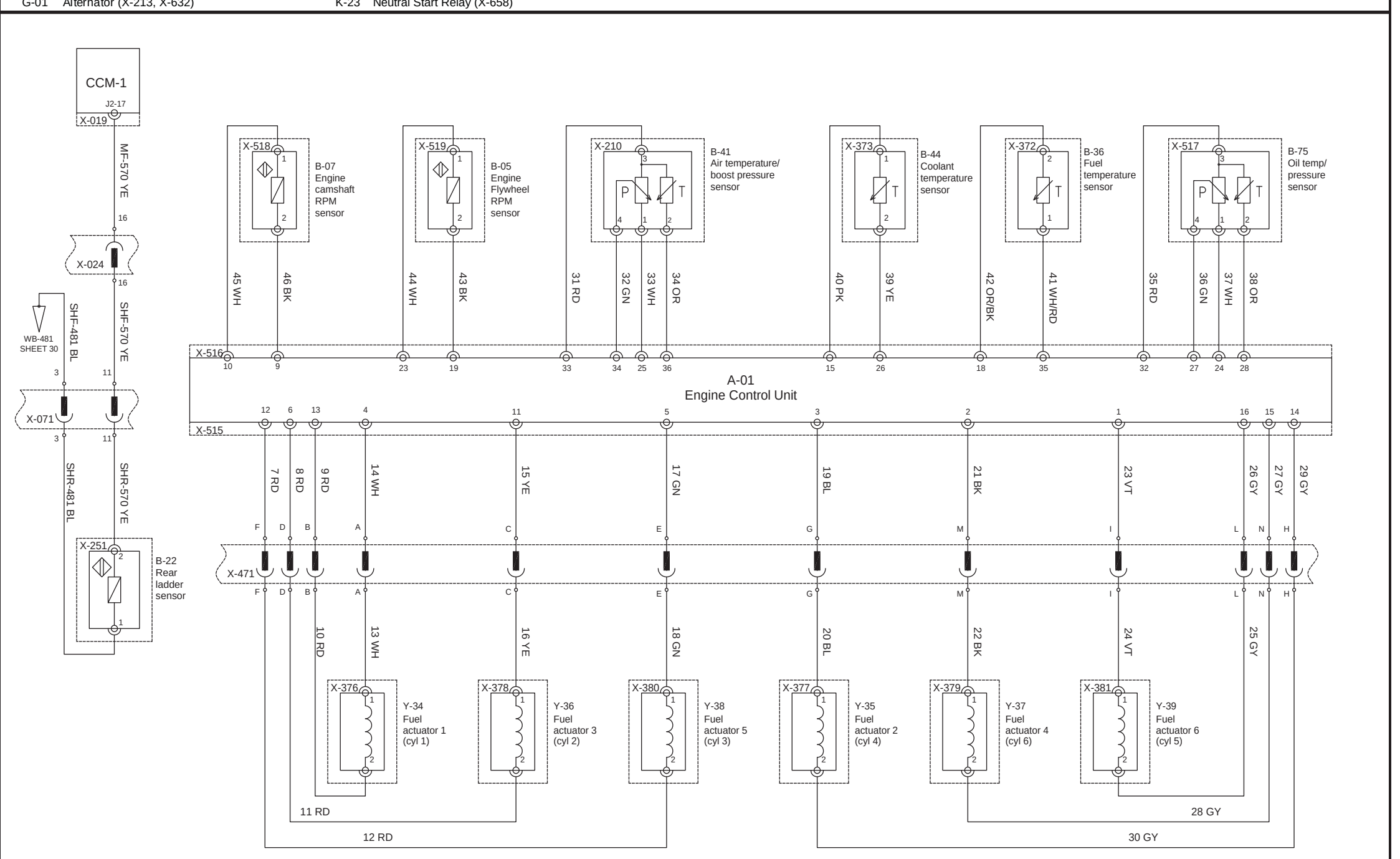
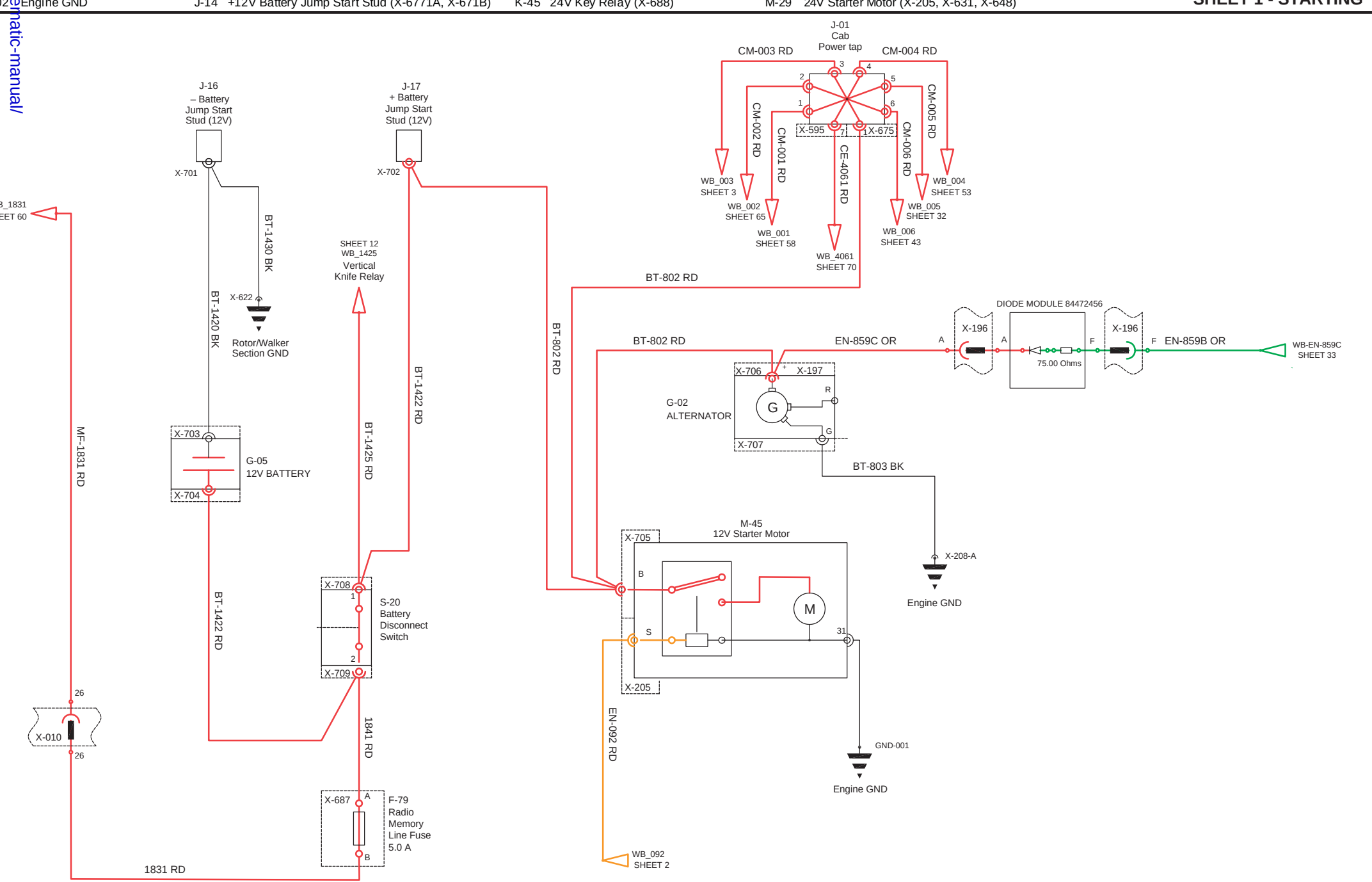
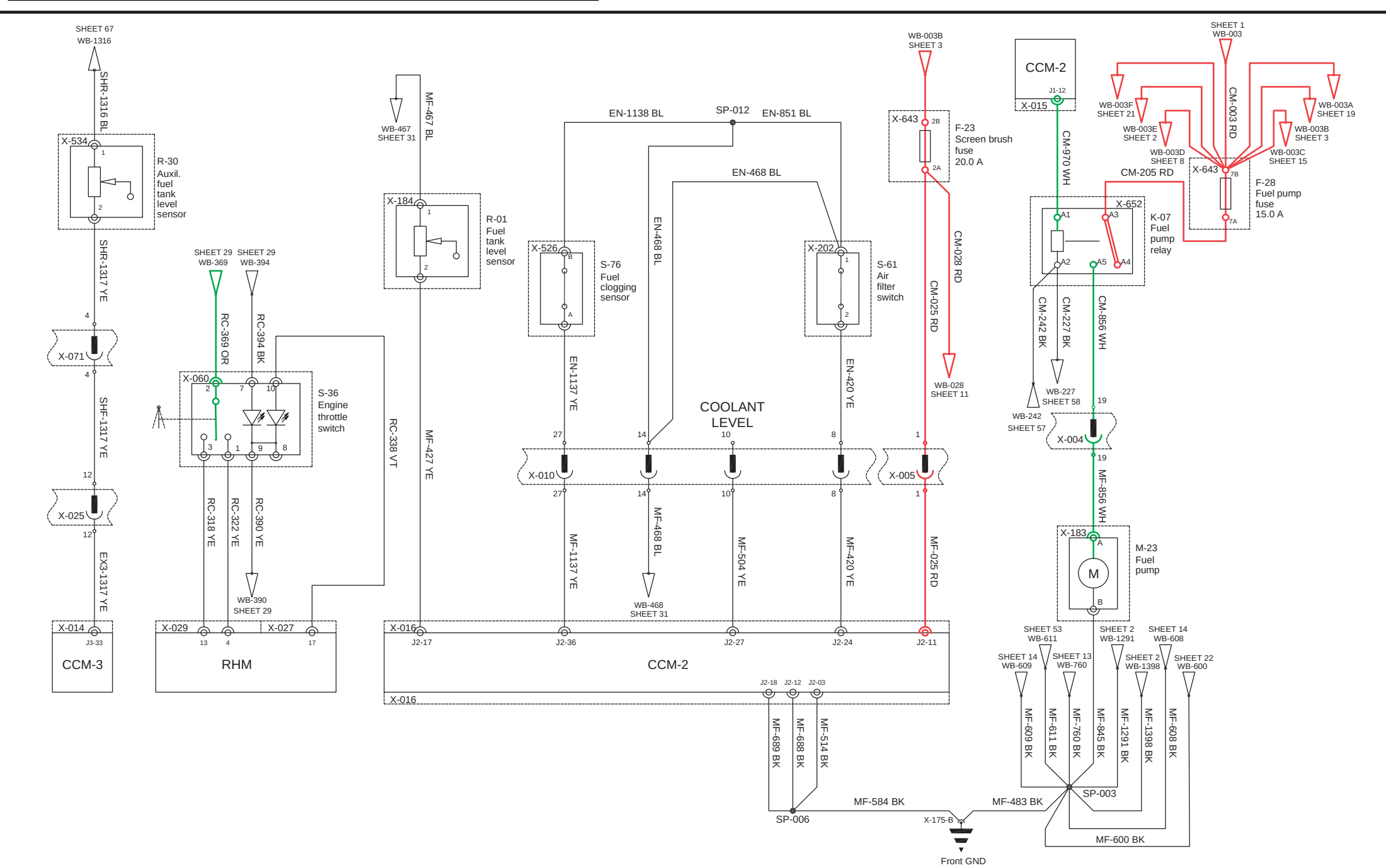
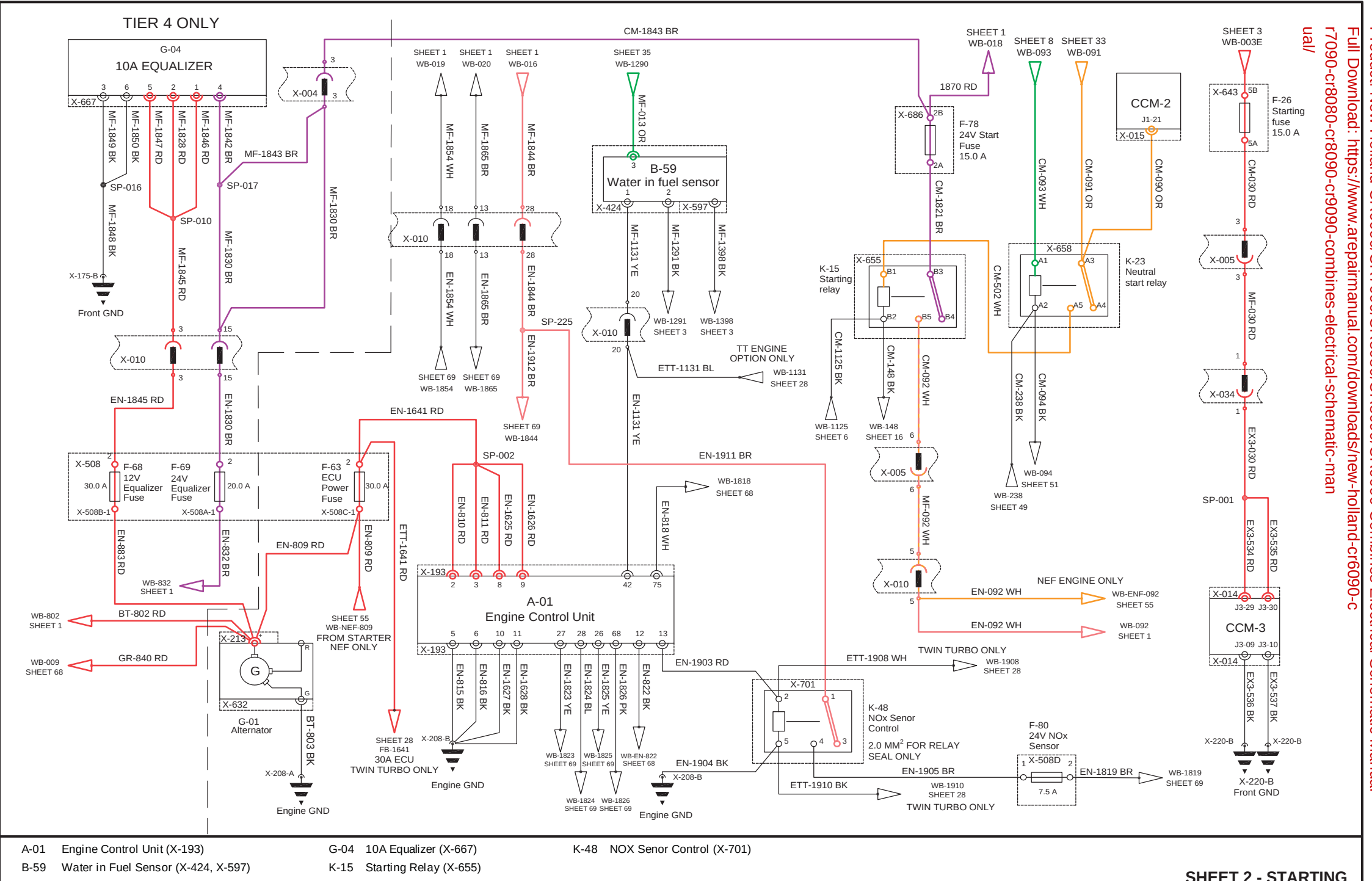
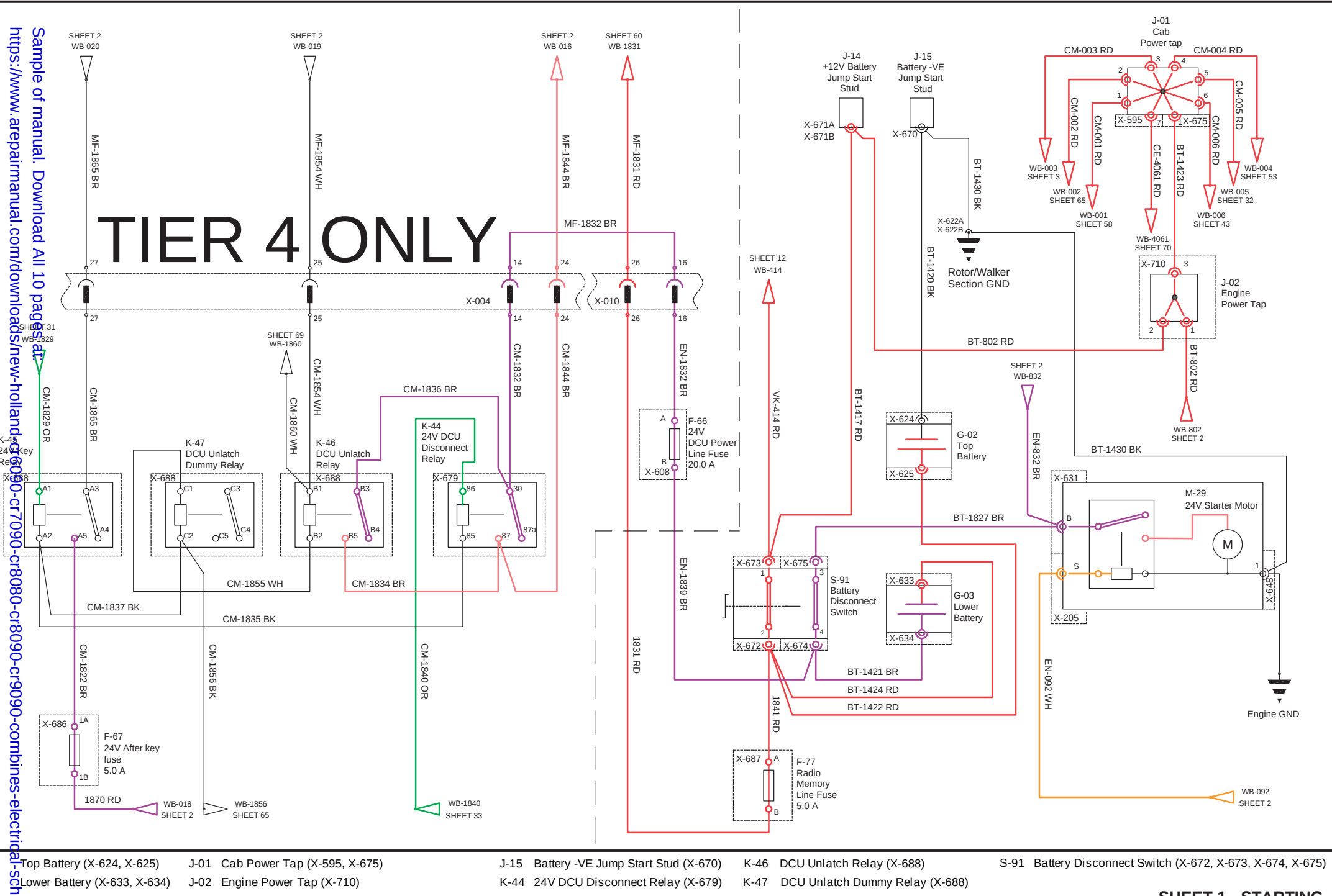
WIRE COLOR

CIRCUIT NUMBER

HARNESS CODE

COMPONENT LEGEND

Label	Component
A	Electronics
B	Sensors
C	Diodes
D	Lights
E	Fuses
F	Generators
G	Audio
H	Outlets
I	Relays
J	Relays
K	Relays
L	Relays
M	Relays
N	Relays
O	Relays
P	Relays
Q	Relays
R	Relays
S	Relays
T	Relays
U	Relays
V	Relays
W	Relays
X	Relays
Y	Relays



ELECTRICAL SCHEMATIC, NORTH AMERICA
MODEL YEAR 2012 PRODUCTIONELECTRICAL SCHEMATIC, NORTH AMERICA
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SCHEMATIC SHEET INDEX

WIRING SYMBOLS

WB-468 SHEET 2

WB-097 SHEET 15

X-008 127

JUMP FROM ANOTHER SHEET

JUMP TO ANOTHER SHEET

CONNECTOR

TWISTED WIRE PAIR (NETWORK)

ENGINE POWER TAP

FUSE

BATTERY DISCONNECT SWITCH

SWITCH

ALARM

SWITCH WITH PUSH BUTTON CONTACT

ASP SENSOR

TEMPERATURE SENSOR

RPM SENSOR

POTENTIOMETER

RELAY

LIGHT

GROUND

NOX SENSOR

PRESSURE SWITCH

BATTERY

ELECTRIC MOTOR

SOLENOID

ALTERNATOR

KEY SWITCH

DIODE MODULE

GROUND LOCATIONS

Frame GND

Engine GND

Cab GND

Front GND

Rotor/Walker Section GND

T4 Engine GND

Grid Heater GND

LEGEND

UNSWITCHED POWER

SWITCHED POWER

STARTING SEQUENCE

24 VOLT SYSTEM

24 VOLT SWITCHED POWER

WIRING REFERENCES

Color	Color Code	Function
Black	BK	Ground, Chassis
Blue	BL	Printed Circuit Ground
White	WH	Increasing Activation
Gray	GY	Decreasing Activation
Orange	OR	Power After Ignition
Yellow	YE	Signal Wires
Red	RD	Battery Voltage
Violet	VT	Lighting
Pink	PK	Reference Voltage

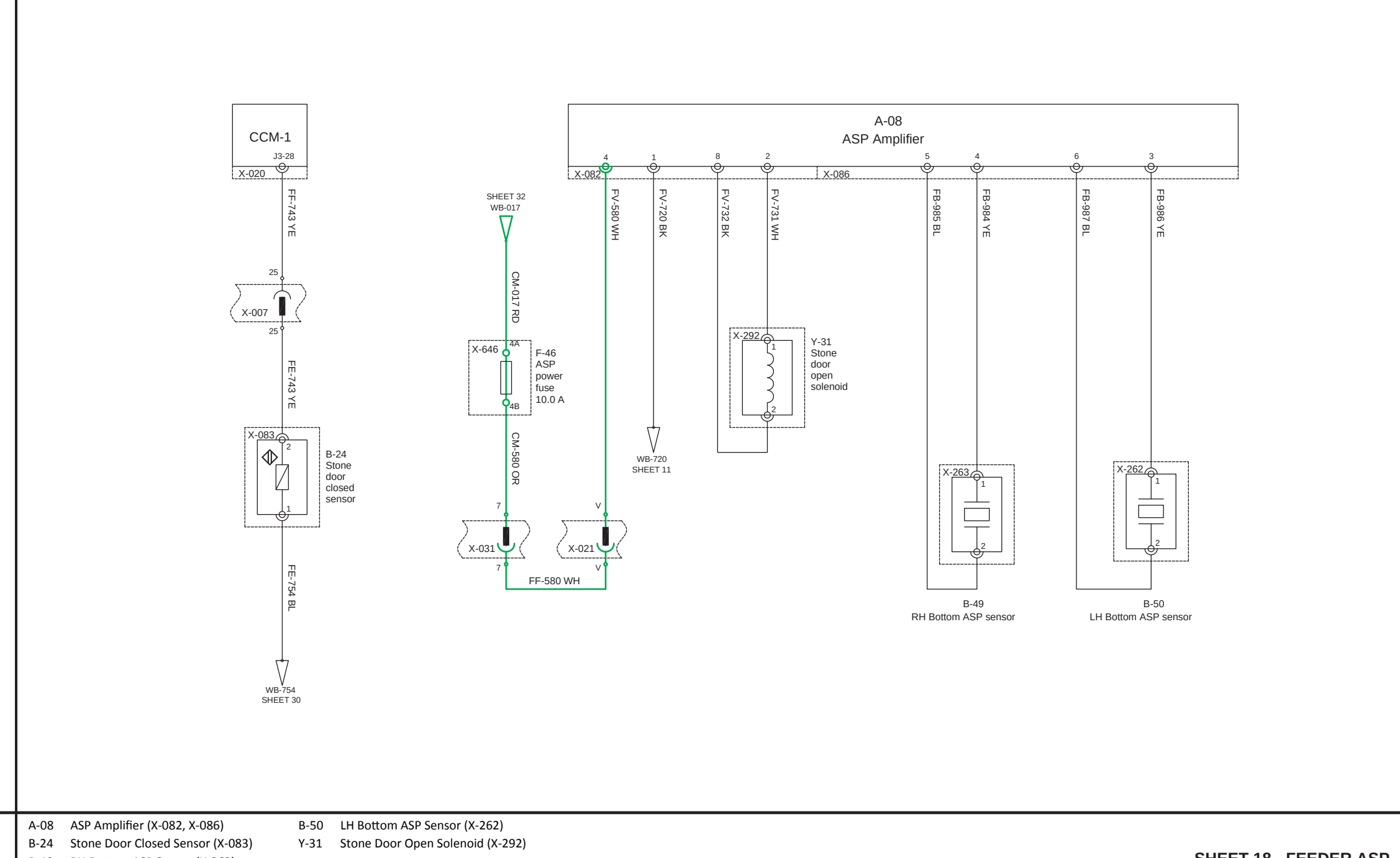
COMPONENT LEGEND

Label Prefix	Component Type
A	Electronics
D	Sensors
B	Diodes
E	Lights
F	Fuses
G	Generators
H	Audio
J	Juilets
K	Relays
M	Motors
Q	Circuit Breakers
R	Resistive
S	Switches
Y	Splice Blocks
S	Solenoids

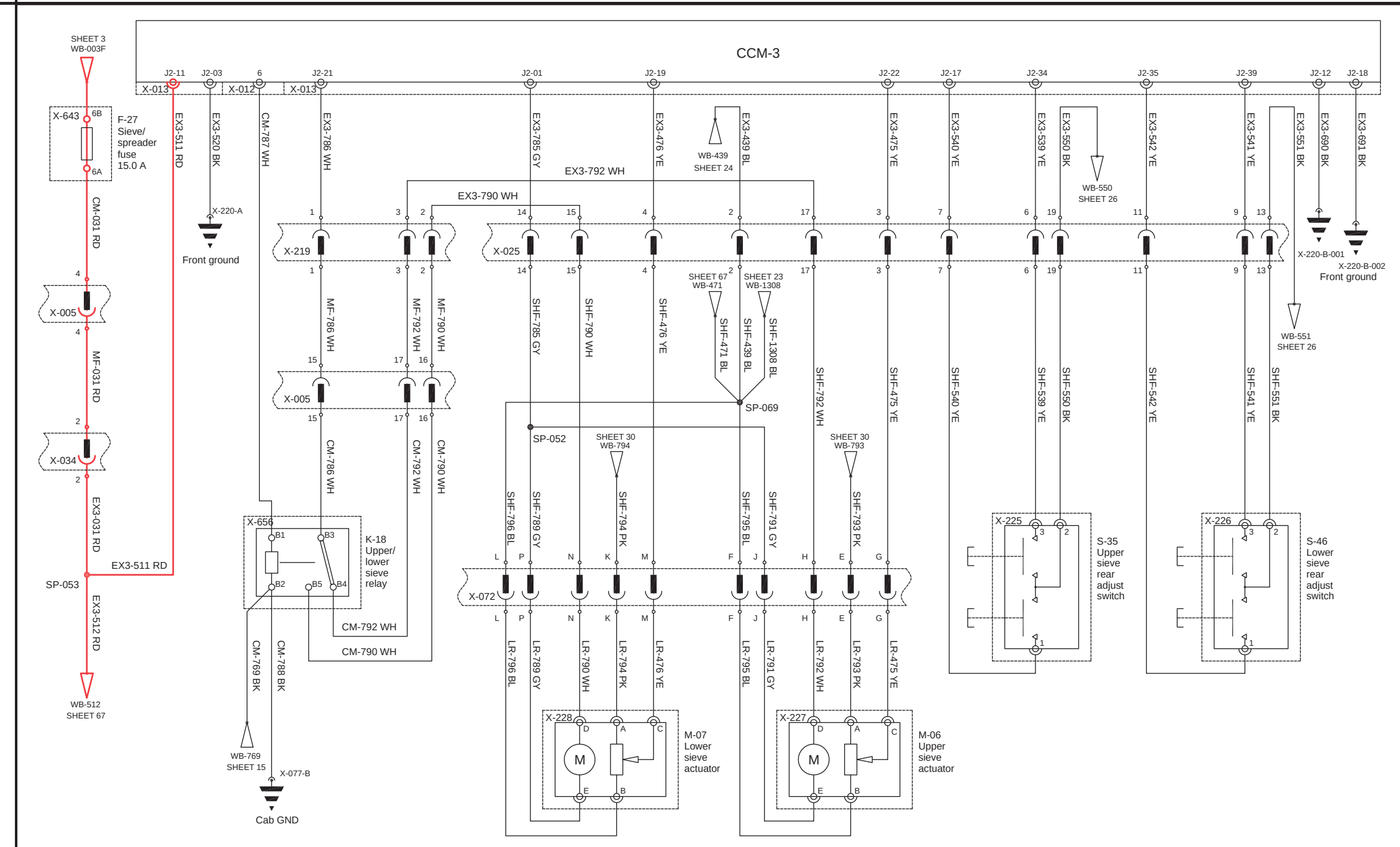
WIRE COLOR

CIRCUIT NUMBER

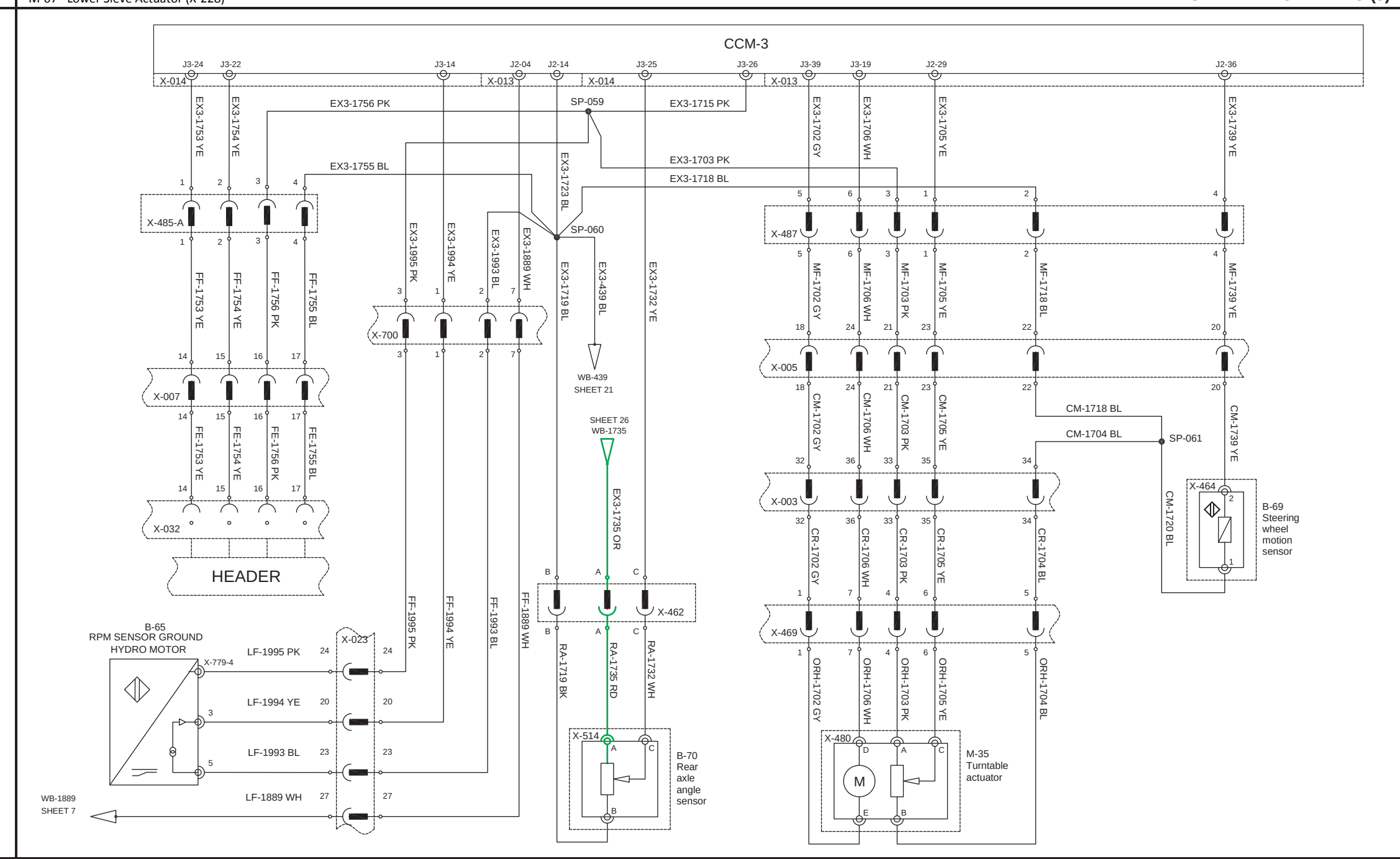
HARNES CODE



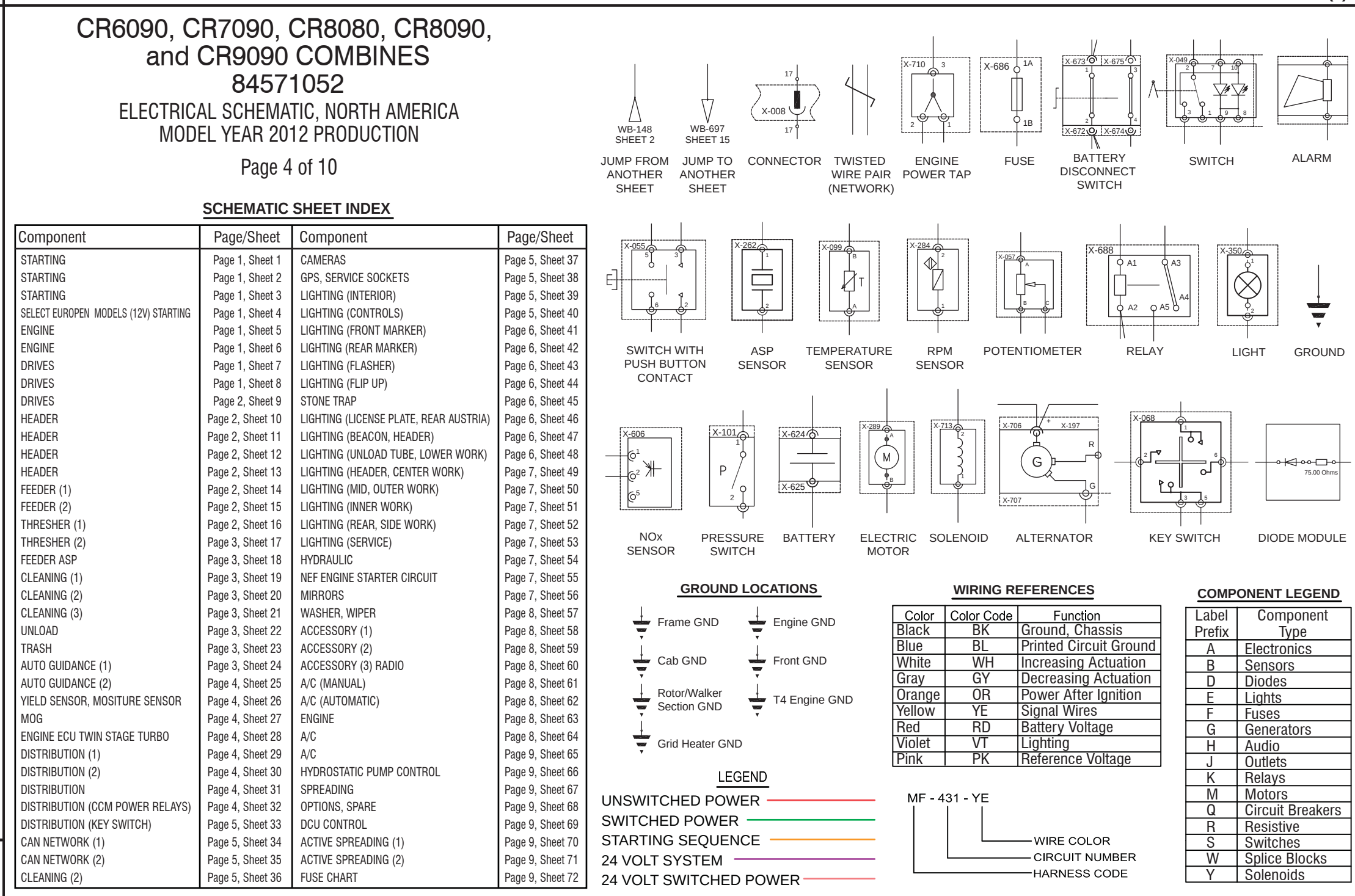
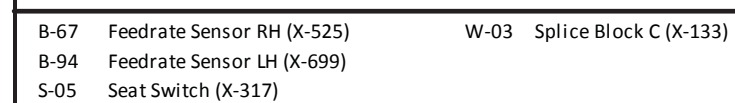
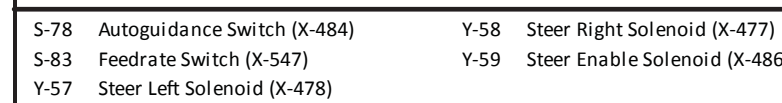
SHEET 18 - FEEDER ASP



SHEET 21 - CLEANING (3)



SHEET 24 - AUTO GUIDANCE (1)



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GROUND LOCATIONS

WIRING REFERENCES

Color	Color Code	Function
Black	BK	Ground, Chassis
Blue	BL	Printed Circuit Board
White	WH	Increasing Actuation
Gray	GY	Decreasing Actuation
Orange	OR	Power After Ignition
Yellow	YE	Wiring Wires
Red	RD	Battery Voltage
Violet	VI	Lighting
Pink	PK	Reference Voltage

LEGEND

UNSWITCHED POWER _____

SWITCHED POWER _____

STARTING SEQUENCE _____

24 VOLT SYSTEM _____

24 VOLT SWITCHED POWER _____

MF - 431 - YE

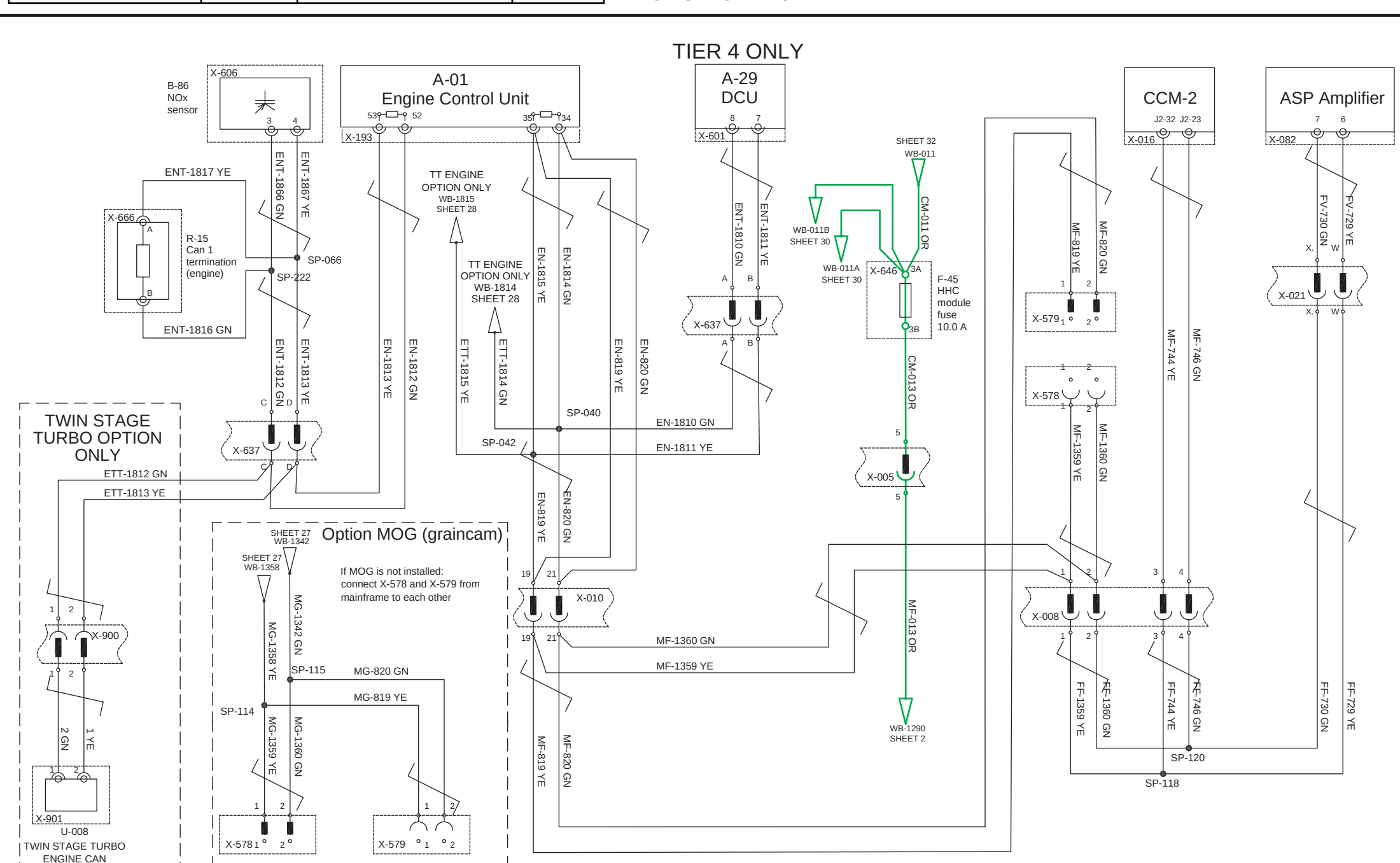
_____ WIRE COLOR

_____ CIRCUIT NUMBER

_____ HARNESS CODE

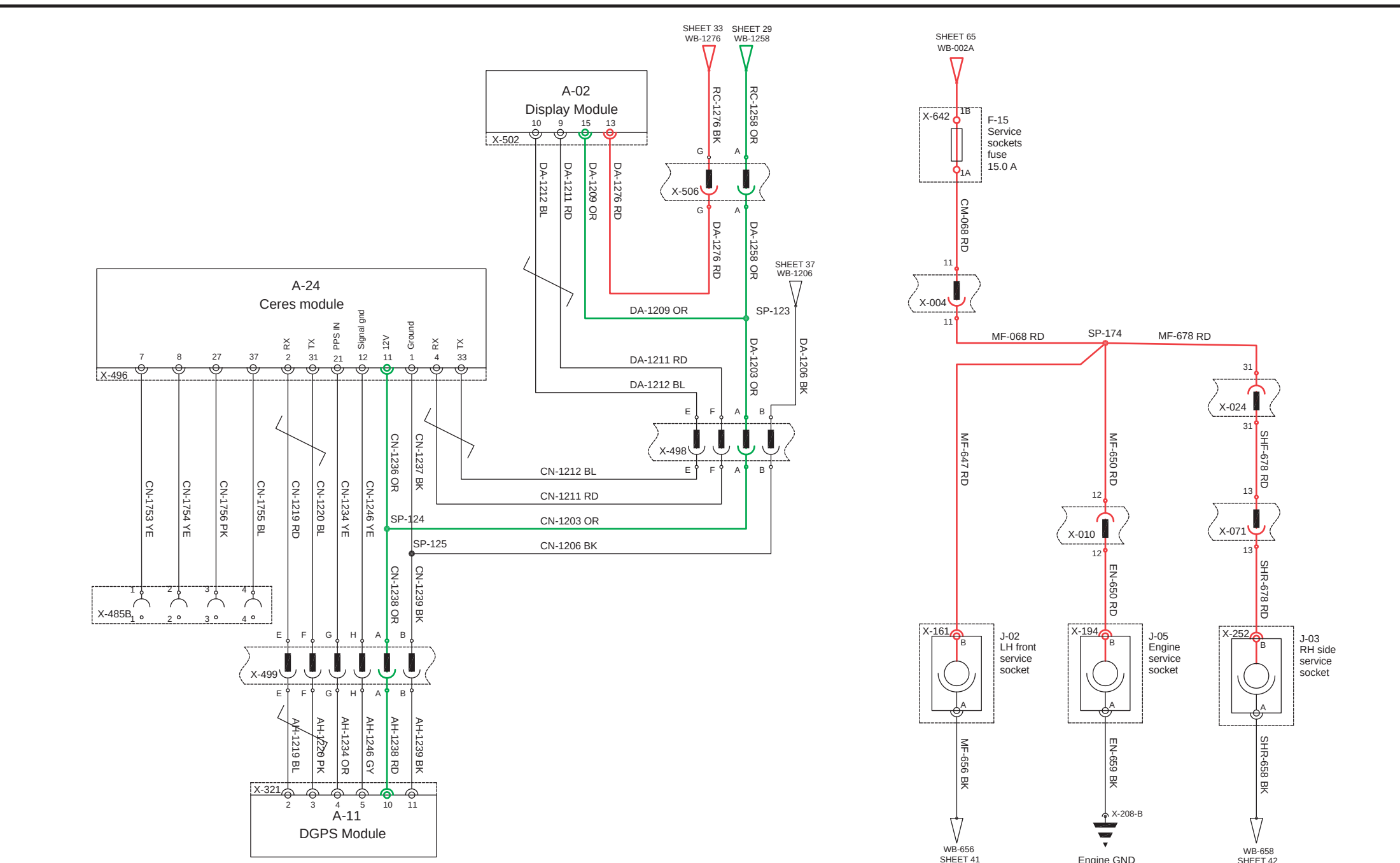
COMPONENT LEGEND

Label Prefix	Component Type
A	Electronics
B	Sensors
D	Diodes
F	Lights
F	Fuses
G	Generators
H	Audio
J	Outlets
K	Relays
M	Motors
Q	Circuit Breakers
R	Resistive
S	Switches
W	Splice Blocks
Y	Solenoids



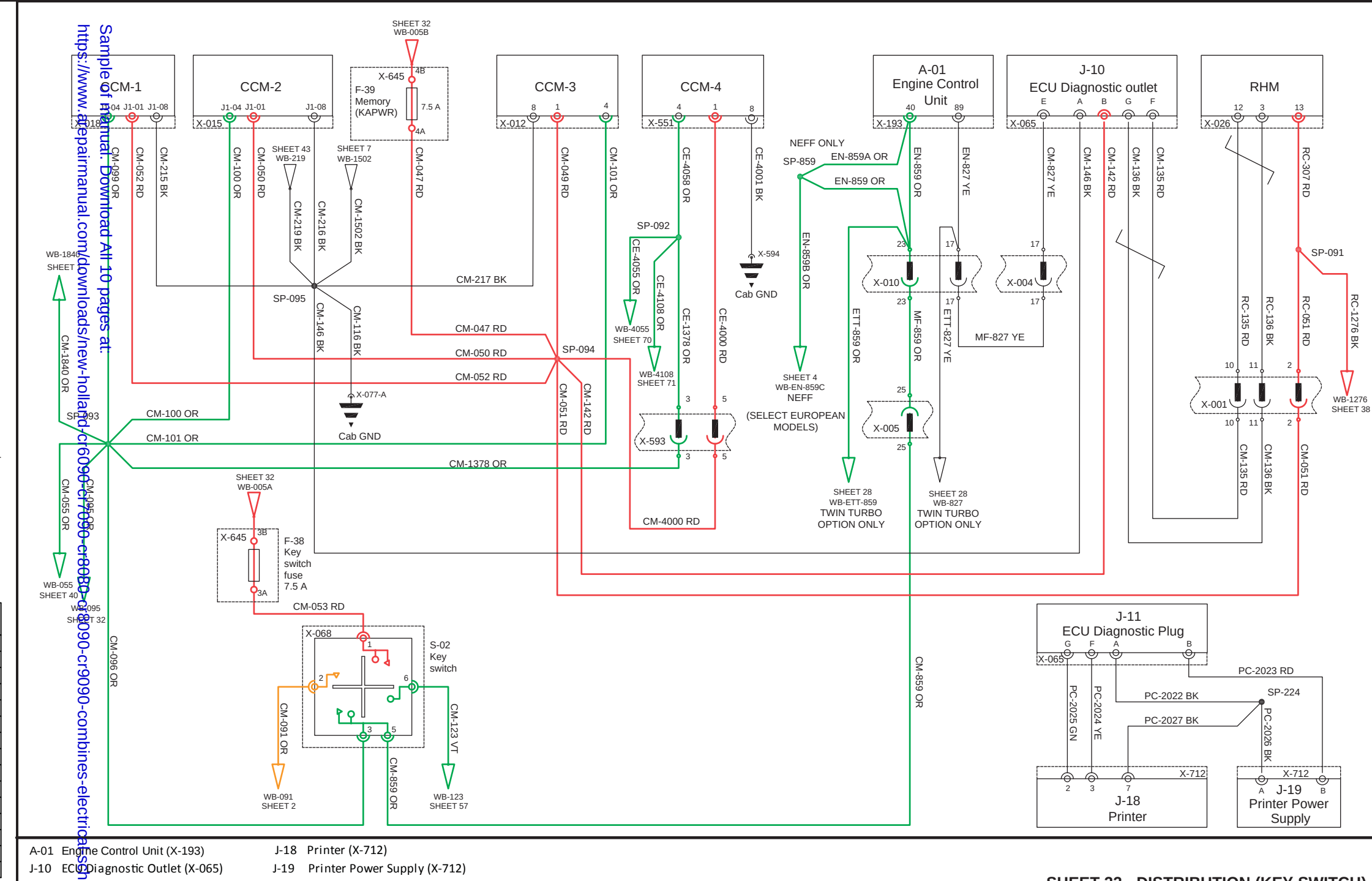
A-01 Engine Control Unit (X-193)
A-08 ASP Amplifier (X-082, X-086)
R-15 Can 1 Termination (Engine) (X-666)

SHEET 35 - CAN NETWORK (2)



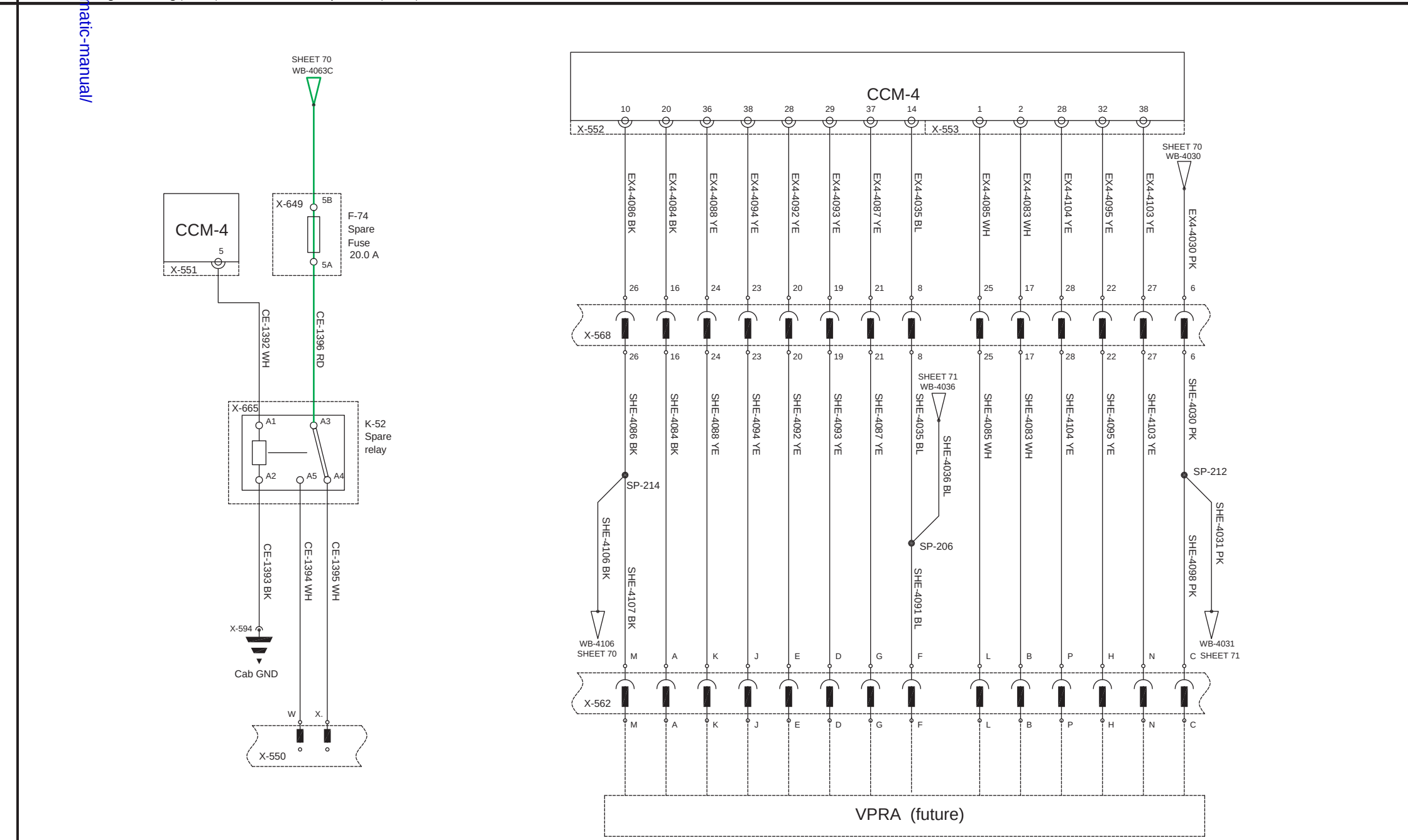
A-02	Display Module (X-502)	J-02	LH Front Service Socket (X-161)
A-11	DGPS Module (X-321)	J-03	RH Side Service Socket (X-252)
A-74	Cores Module (X-496)	L-05	Engine Service Socket (X-194)

SHEET 38 - GPS SERVICE SOCKETS

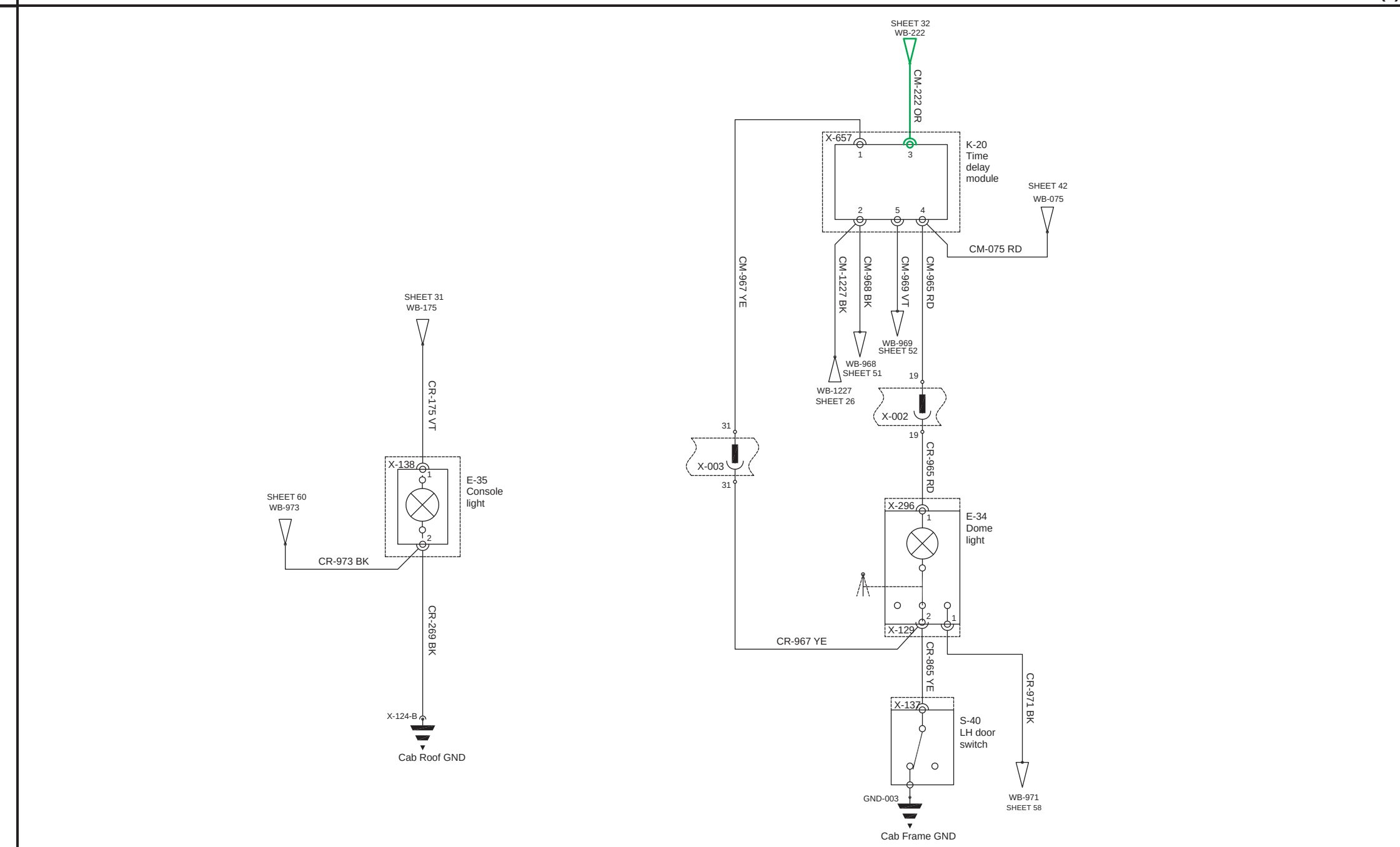


J-10 ECU Diagnostic Outlet (X-065) J-19 Printer Power Supply (X-712)
J-11 ECU Diagnostic Plug (X-065) S-02 Key Switch (X-068)

SHEET 33 - DISTRIBUTION (KEY SWITCH)

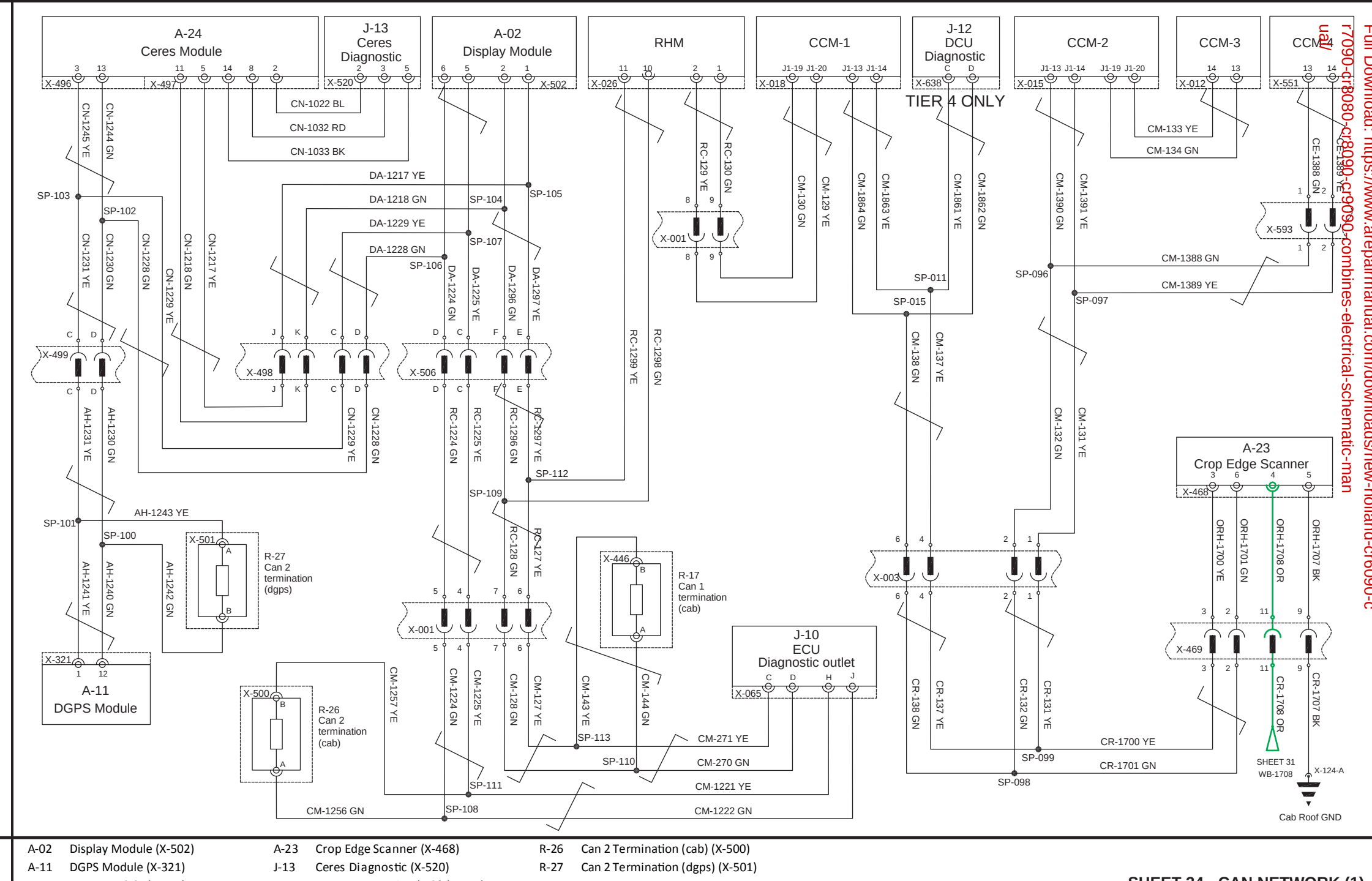


K-52 Spare Relay (X-665) SHEET 36 - CLEANING (2)

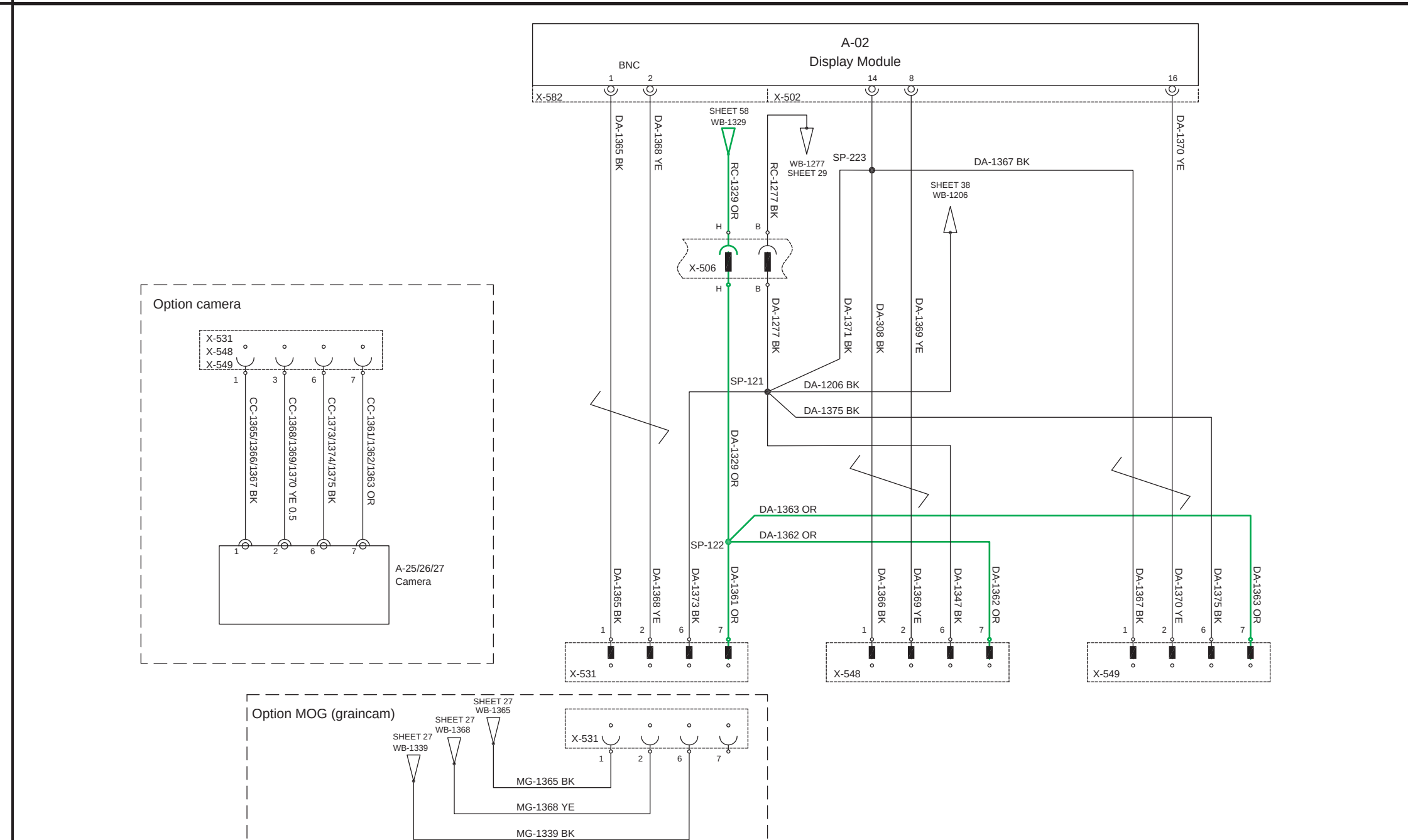


E-34	Dome Light (X-296)	K-20	Time Delay Module (X-657)
E-35	Console Light (X-138)	S-40	LH Door Switch (X-137)
GND-003	Cab Frame GND		

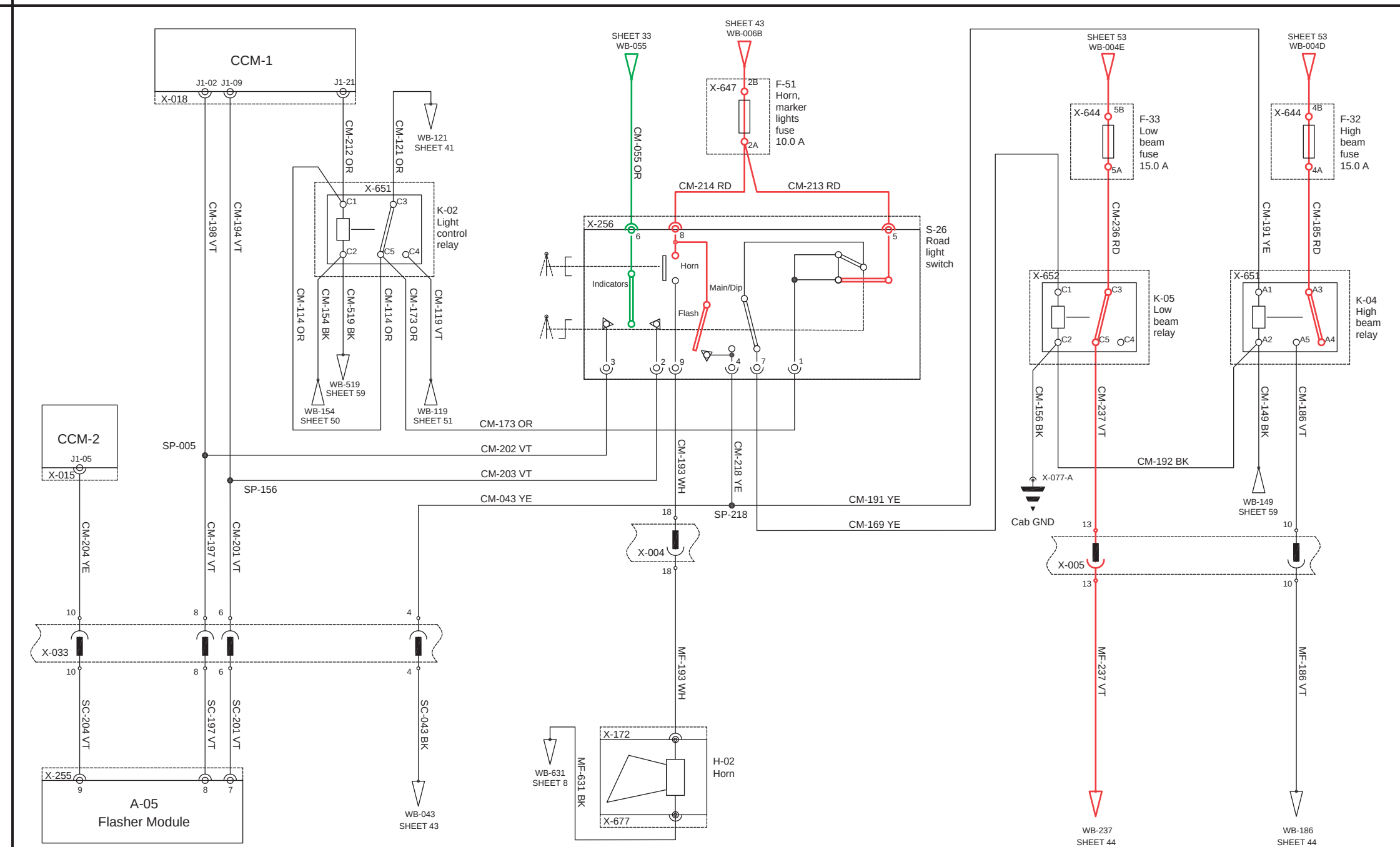
SHEET 39 - LIGHTING (INTERIOR)



A-11 DGPS Module (X-321) J-13 Ceres Diagnostic (X-520) R-27 Can 2 Termination (dgps) (X-501)
 A-24 Ceres Module (X-496) R-17 Can 1 Termination (cab) (X-446) **SHEET 34 - CAN NETWORK (1)**



A-02 Display Module (X-502)
A-25/26/27 Camera (X-531, X-548, X-549)



A-05	Flasher Module (X-255)	K-04	High Beam Relay (X-651)
H-02	Horn (X-172, X-677)	K-05	Low Beam Relay (X-652)
K-02	Light Control Relay (X-651)	S-26	Road Light Switch (X-256)

SHEET 40 - LIGHTING (CONTROLS)