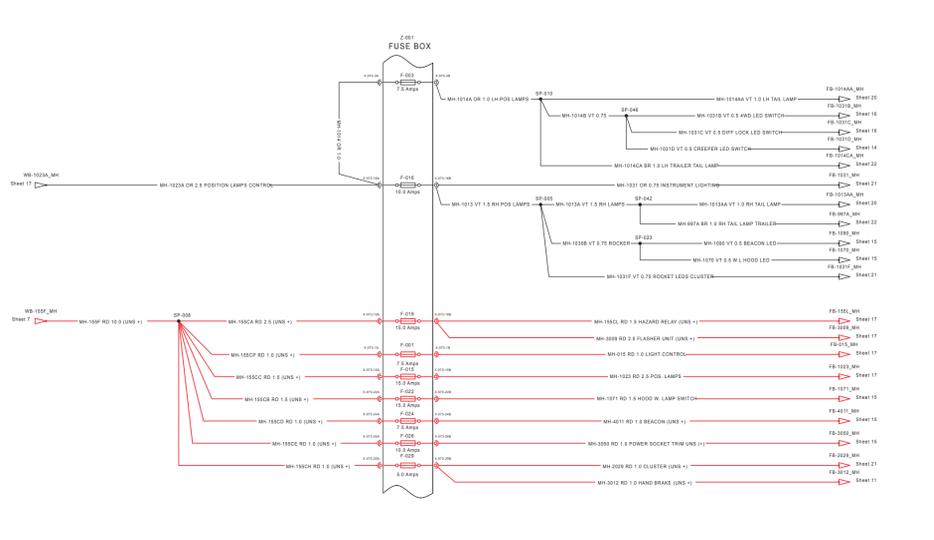
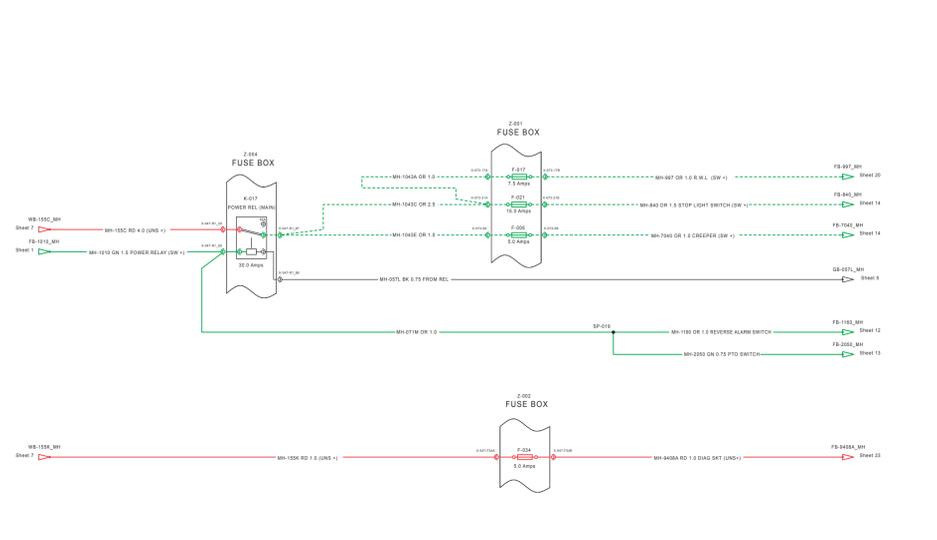


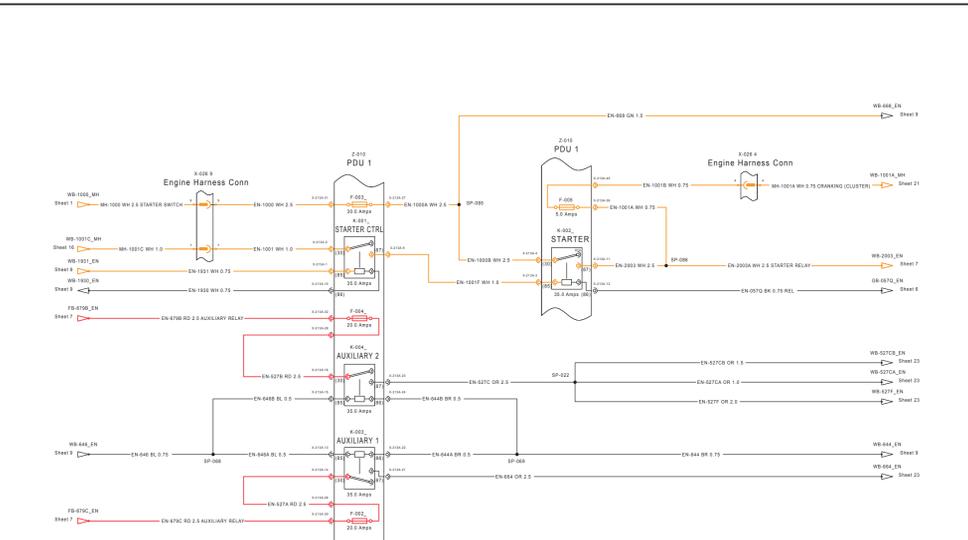
SHEET 1 - POWER DISTRIBUTION - FUSE BOX



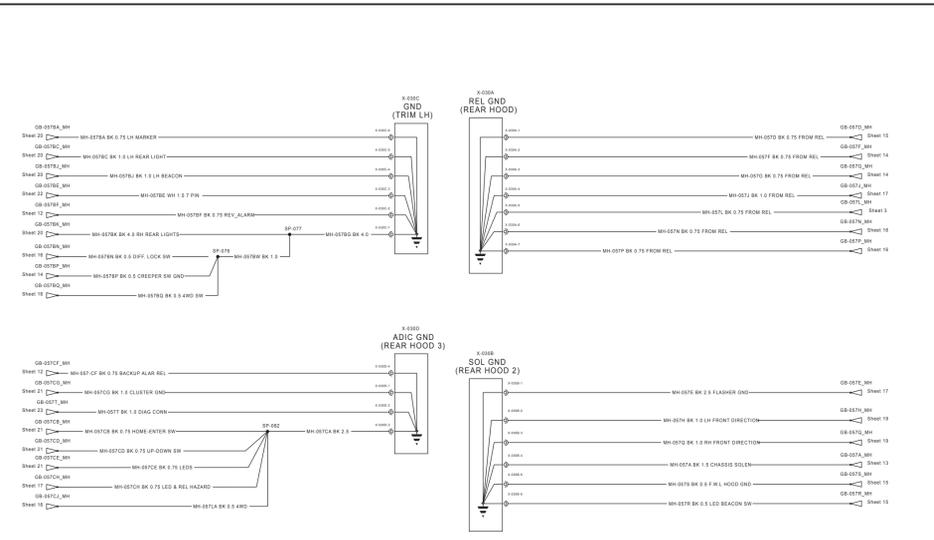
SHEET 2 - POWER DISTRIBUTION - FUSE BOX



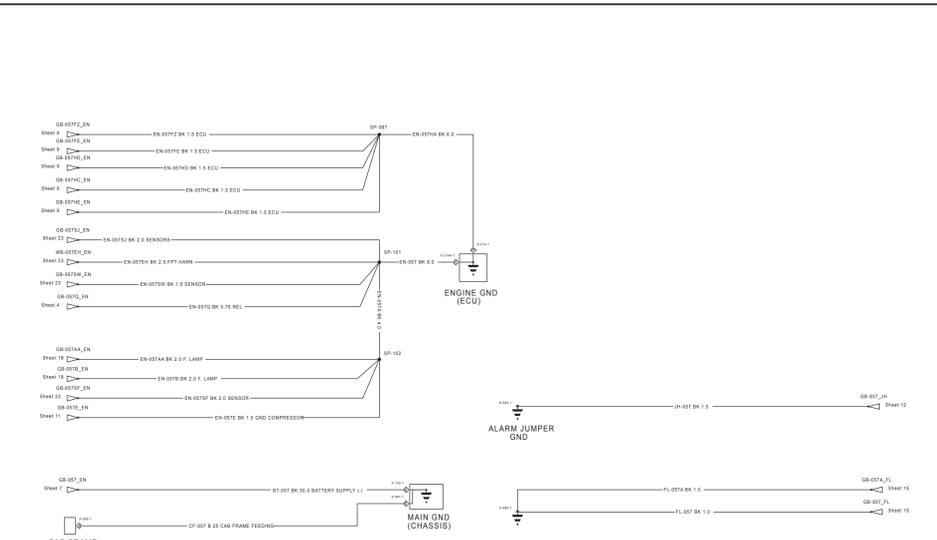
SHEET 3 - POWER DISTRIBUTION - FUSE BOX



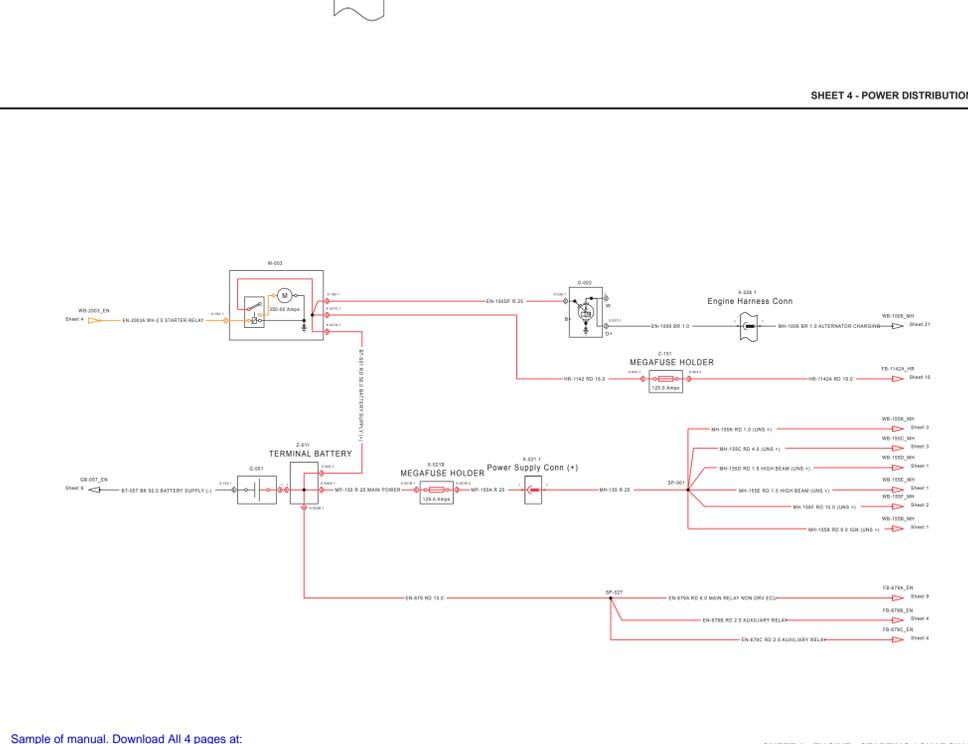
SHEET 4 - POWER DISTRIBUTION



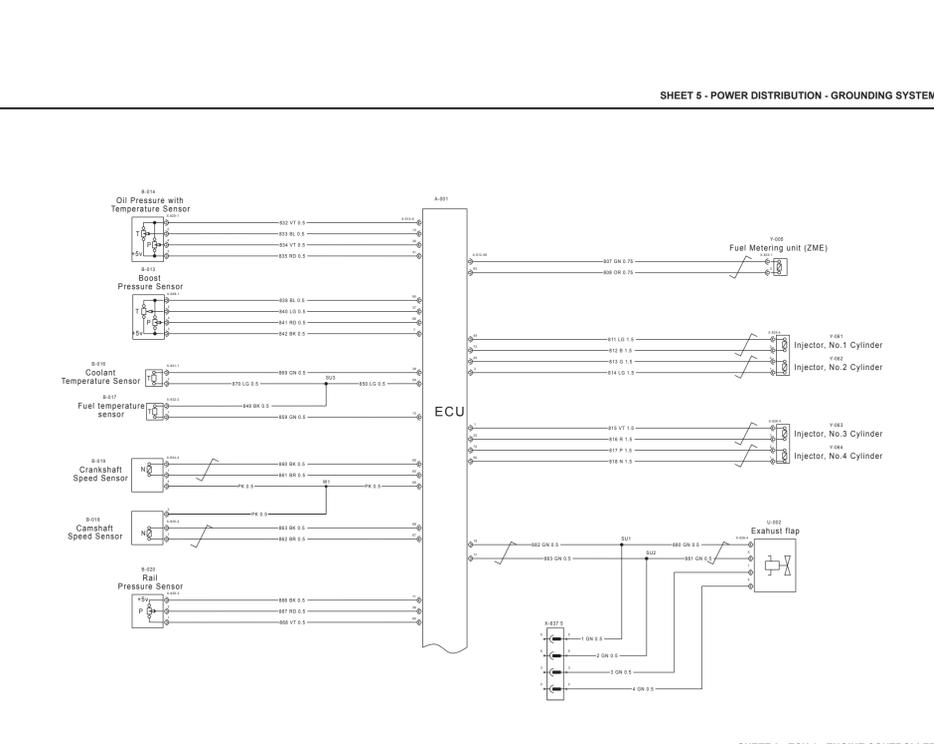
SHEET 5 - POWER DISTRIBUTION - GROUNDING SYSTEM



SHEET 6 - POWER DISTRIBUTION - GROUNDING SYSTEM



SHEET 7 - ENGINE - STARTING / CHARGING



SHEET 8 - ECU - 1 - ENGINE CONTROLLER

**TS6.1 SERIES TIER 4B (FINAL) TRACTOR 47815870 ELECTRICAL SCHEMATIC ROPS CONFIGURATION PIN NTO0001M AND ABOVE 1ST EDITION, OCTOBER 2015**

**CIRCUIT COLOR INDEX**  
 12V UNSWITCHED POWER: Red  
 IGNITION KEY ON: Green  
 STARTING SEQUENCE: Blue

**COMPONENT LEGEND**

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

**WIRING REFERENCES**

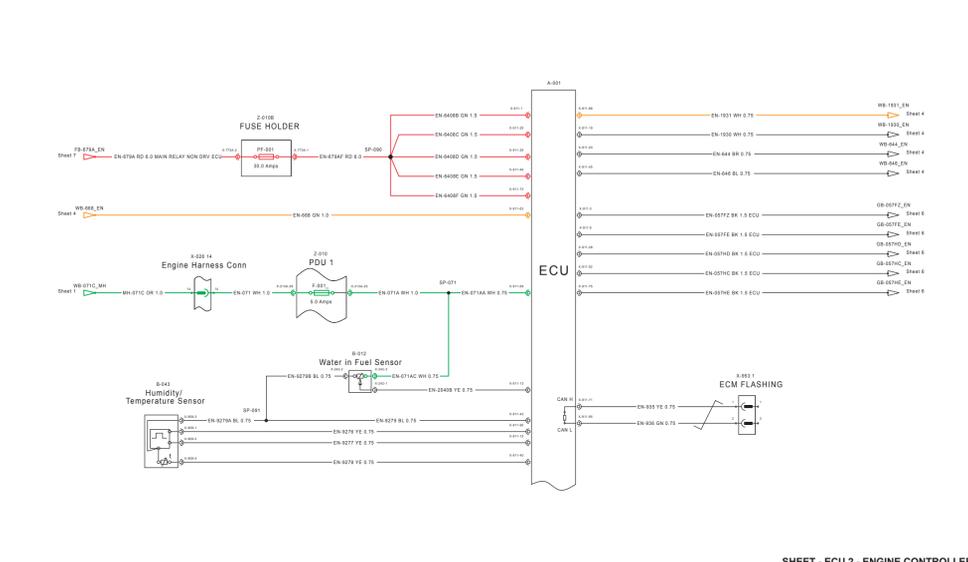
Color	Color Code	Function
Black	BK	Ground, Chassis
Blue	BL	Printed Circuit Ground
White	WH	Increasing Actuation
Gray	GY	Decreasing Actuation
Orange	OR	Power After Ignition
Yellow	YE	Signal Wires
Red	RD	Battery Voltage
Violet	VT	Lighting
Pink	PX	Reference Voltage

**ACTUATORS**

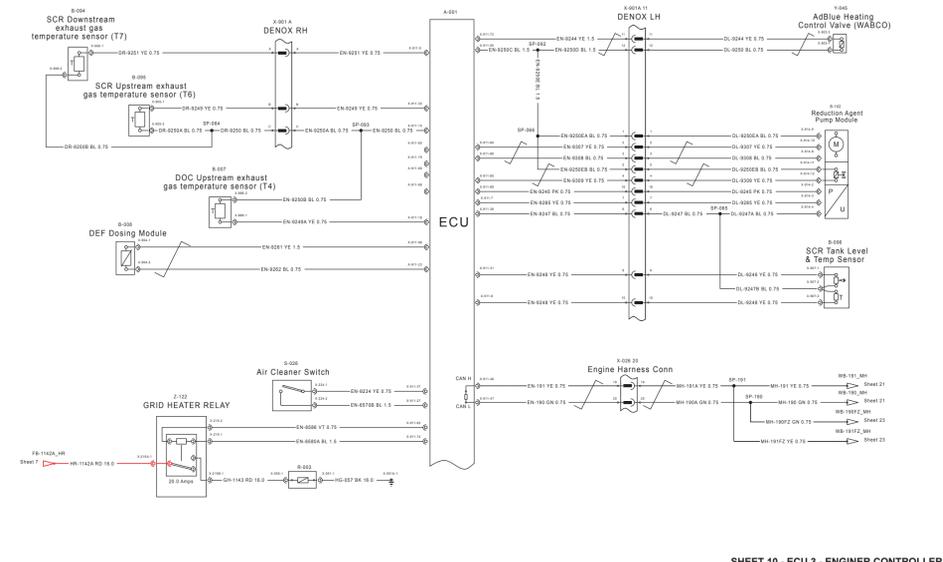
**SCHEMATIC SYMBOLS**

**DESCRIPTION SHEET**

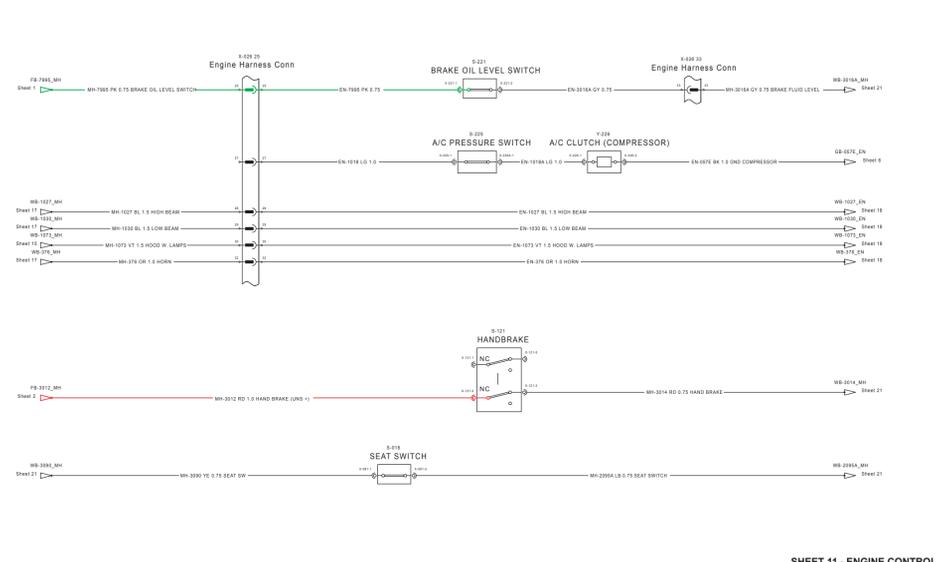
DESCRIPTION	SHEET
POWER DISTRIBUTION - FUSE BOX	1
POWER DISTRIBUTION - FUSE BOX	2
POWER DISTRIBUTION - FUSE BOX	3
POWER DISTRIBUTION - PDU	4
POWER DISTRIBUTION - GROUNDING SYSTEM	5
POWER DISTRIBUTION - GROUNDING SYSTEM	6
ENGINE - STARTING / CHARGING	7
ECU 1 - ENGINE CONTROLLER	8
ECU 2 - ENGINE CONTROLLER	9
ECU 3 - ENGINE CONTROLLER	10
ENGINE CONTROL	11
TRANSMISSION CONTROL	12
TRANSMISSION CONTROL	13
TRANSMISSION CONTROL	14
WORK LAMPS & CIGAR LIGHTER	15
TRANSMISSION CONTROL	16
BLOWERS & LOADER IMPLEMENT	17
CONTROL LIGHTS, HAZARD SWITCH, & FLASHER UNIT	18
LIGHTING - WORK LAMPS (ROOF)	19
LIGHTING - HEADLAMPS HOOD	20
LIGHTING - LAMPS & RADIO CAB	21
LIGHTING - REAR FENDER LAMPS & FWL ADAPTERS	22
WASHER & WIPERS - FRONT AND REAR	23
INSTRUMENT CLUSTER / DISPLAY	24
HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)	25
POWER TRAILER SOCKET	26
CAN, SENSOR, AND DIAGNOSTICS	27



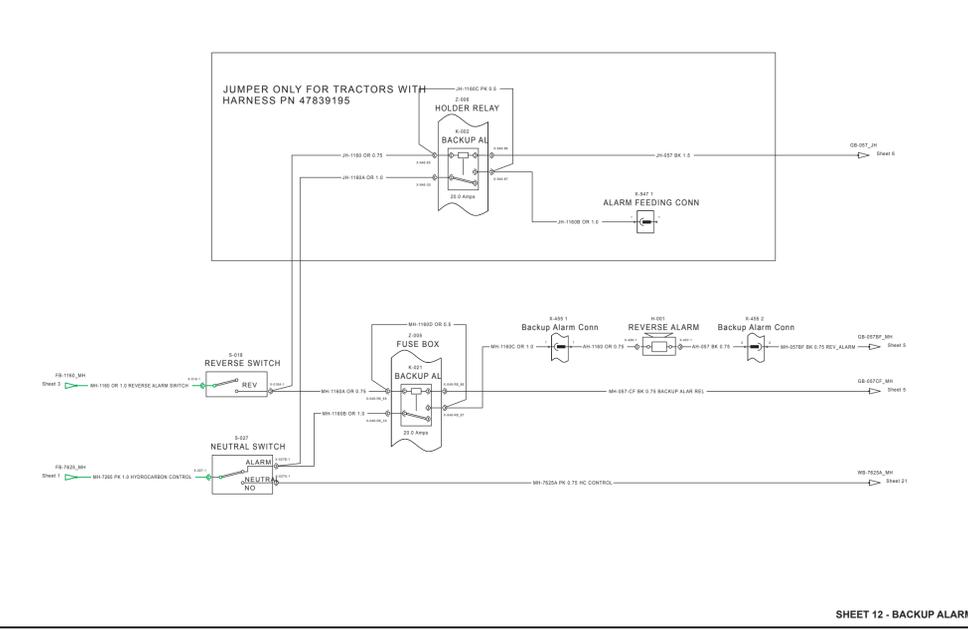
SHEET 2 - ECU 2 - ENGINE CONTROLLER



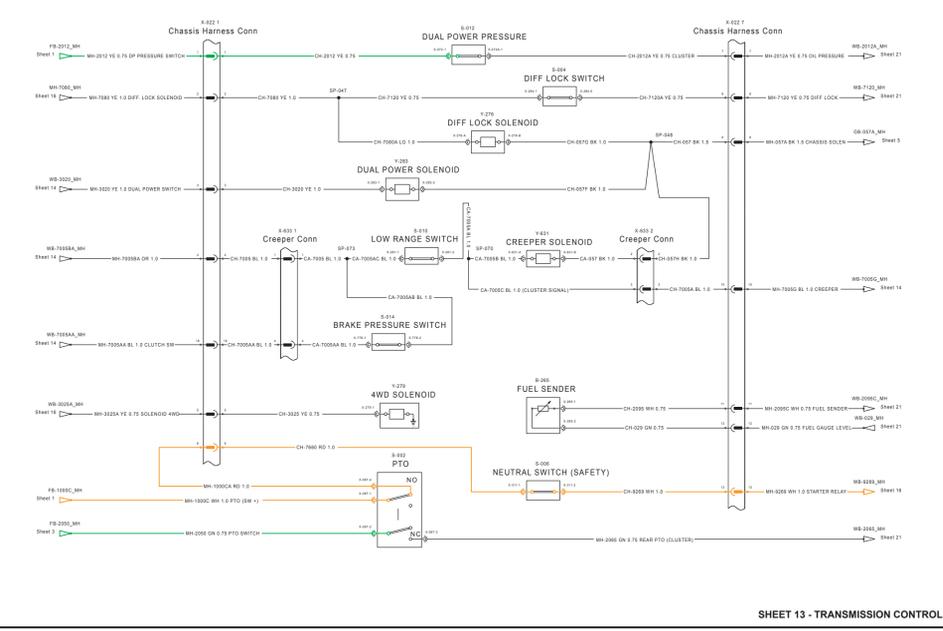
SHEET 10 - ECU 3 - ENGINE CONTROLLER



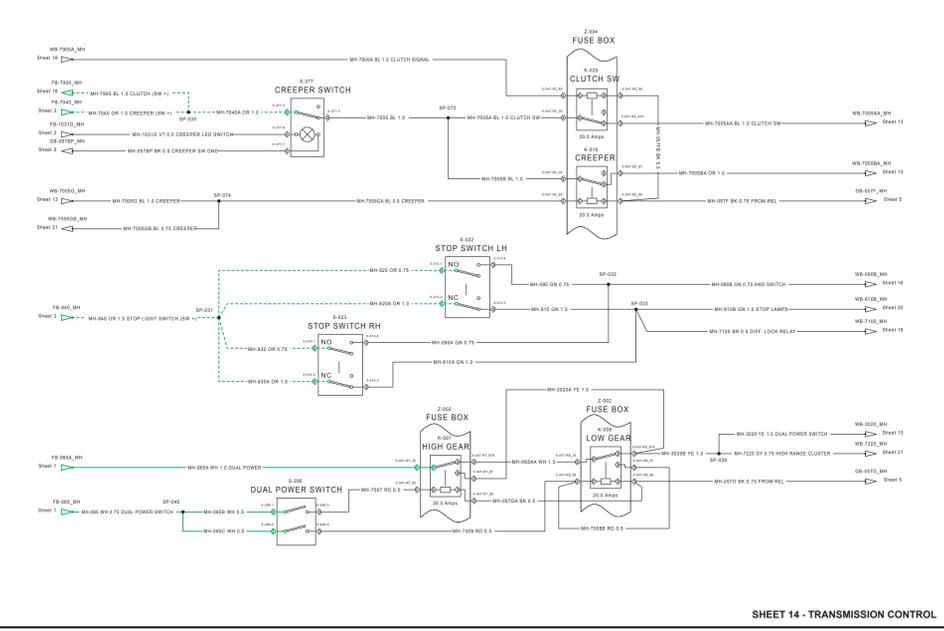
SHEET 11 - ENGINE CONTROL



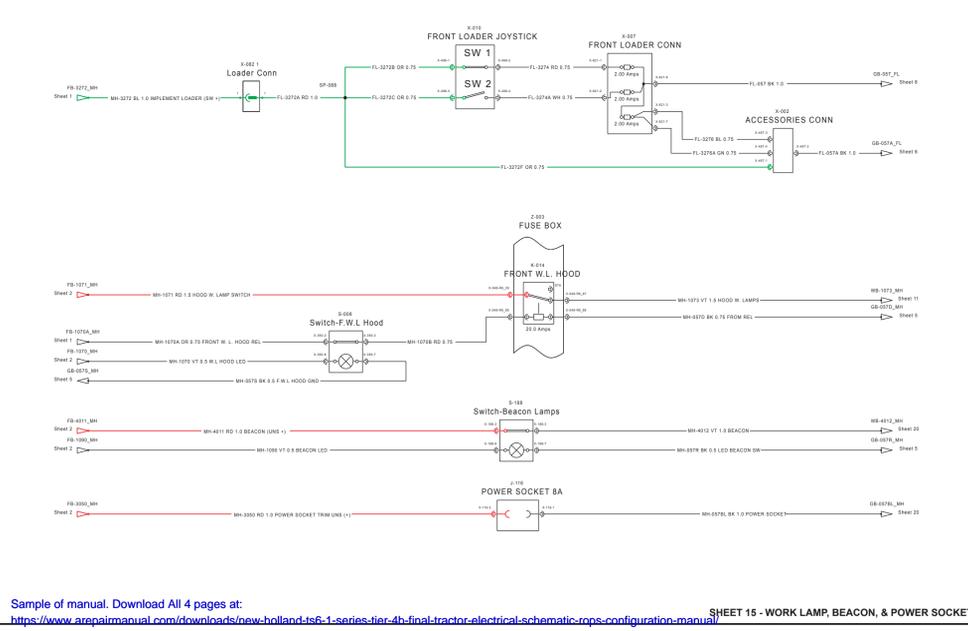
SHEET 12 - BACKUP ALARM



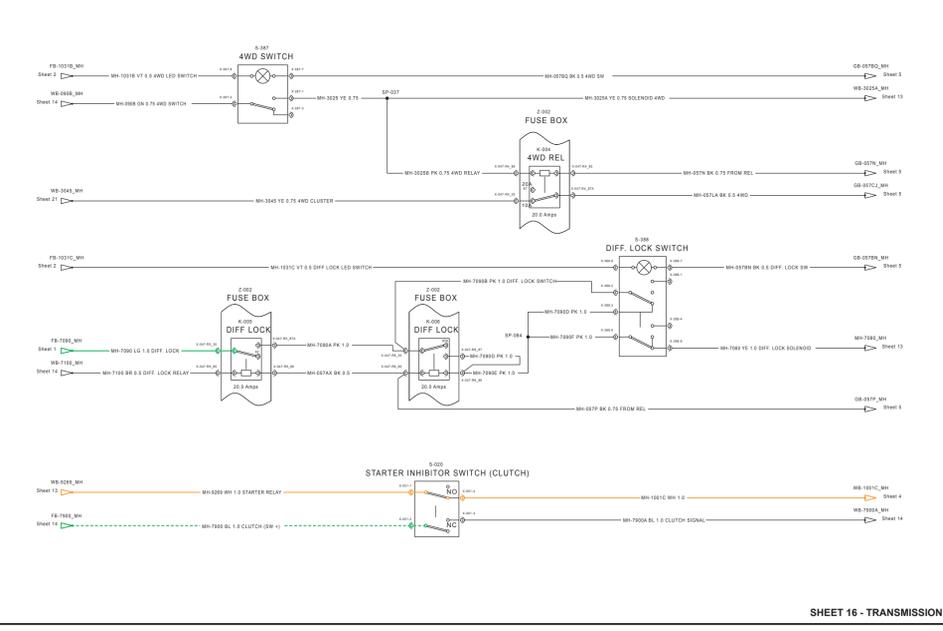
SHEET 13 - TRANSMISSION CONTROL



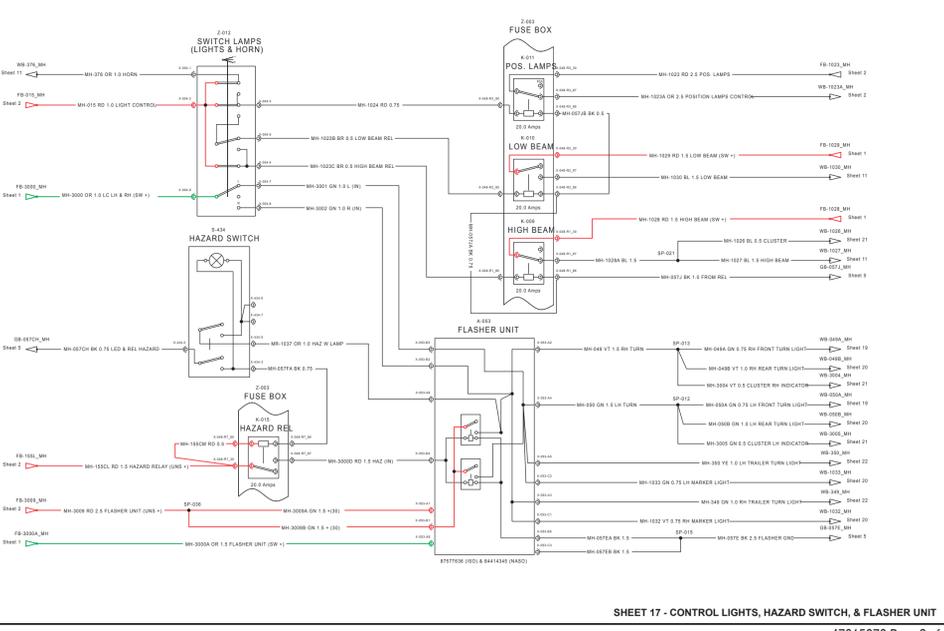
SHEET 14 - TRANSMISSION CONTROL



SHEET 15 - WORK LAMP, BEACON, & POWER SOCKET



SHEET 16 - TRANSMISSION



SHEET 17 - CONTROL LIGHTS, HAZARD SWITCH, & FLASHER UNIT