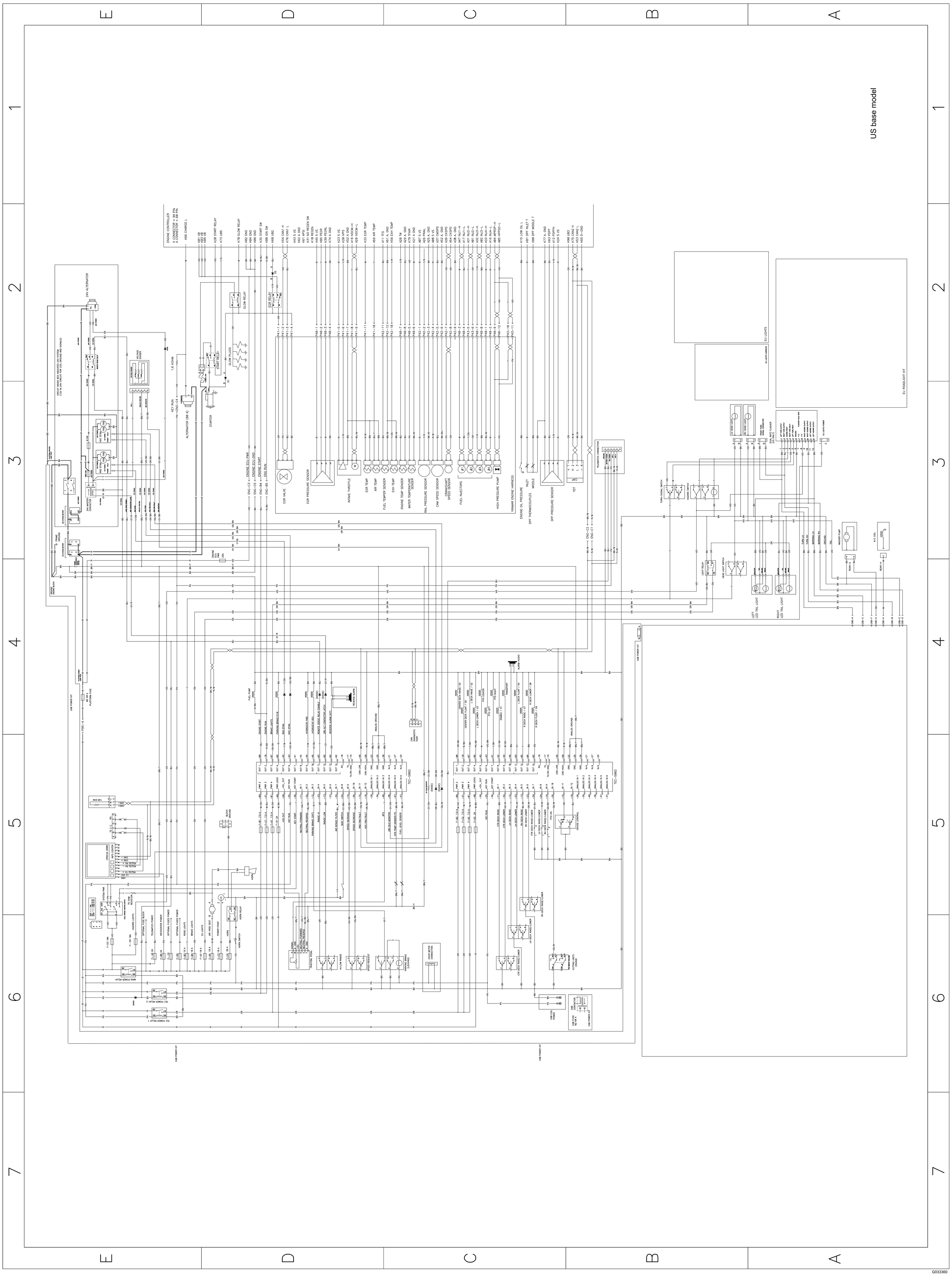
Groundsmaster® 5900 or 5910 Rotary Mower

Model No. 31698—Serial No. 316000001 and Up

Model No. 31699—Serial No. 316000001 and Up

Electrical Schematic

Model No. 31698
122-0200 Rev A
1 of 4 (US base model, no cab)



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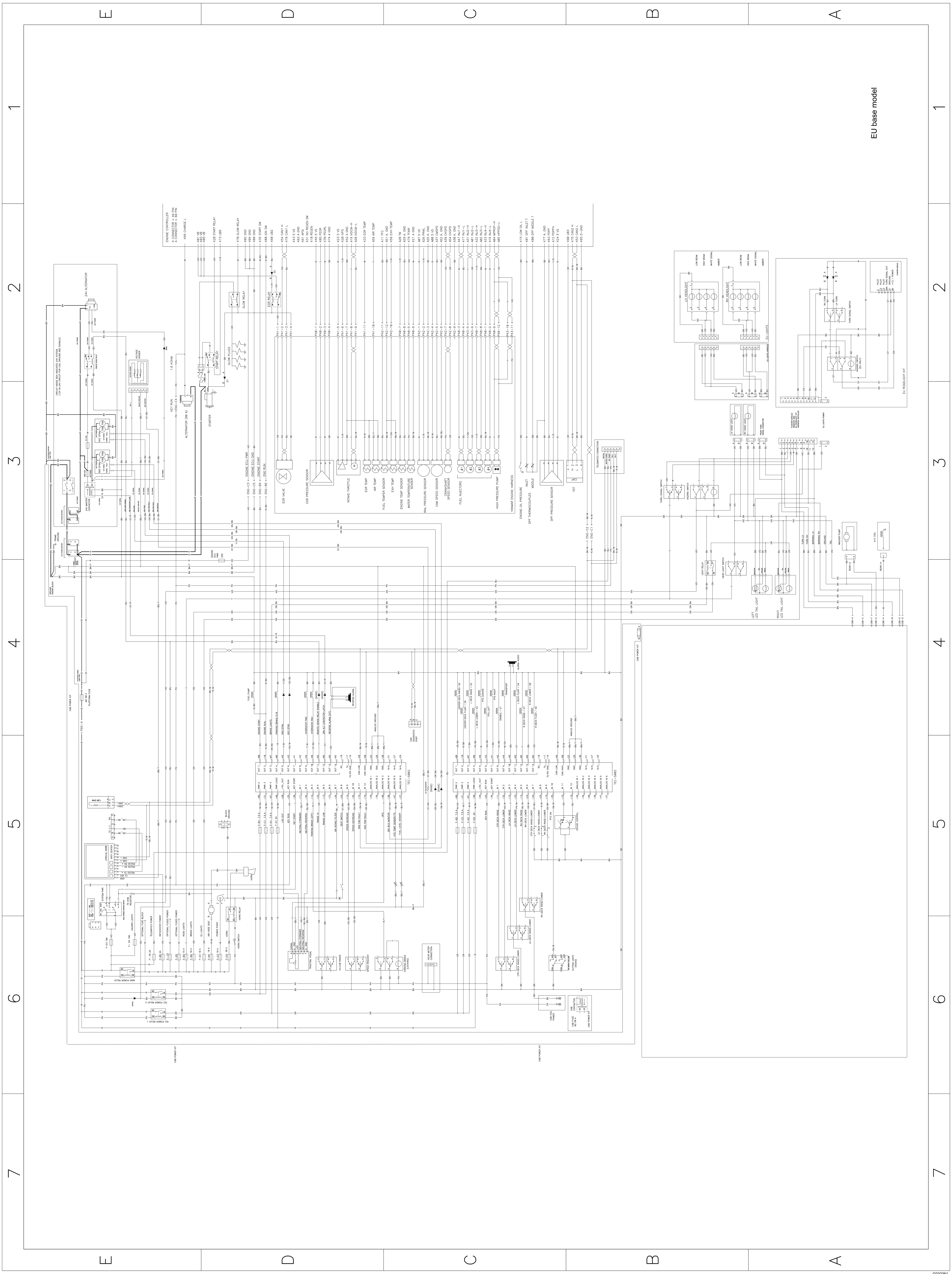

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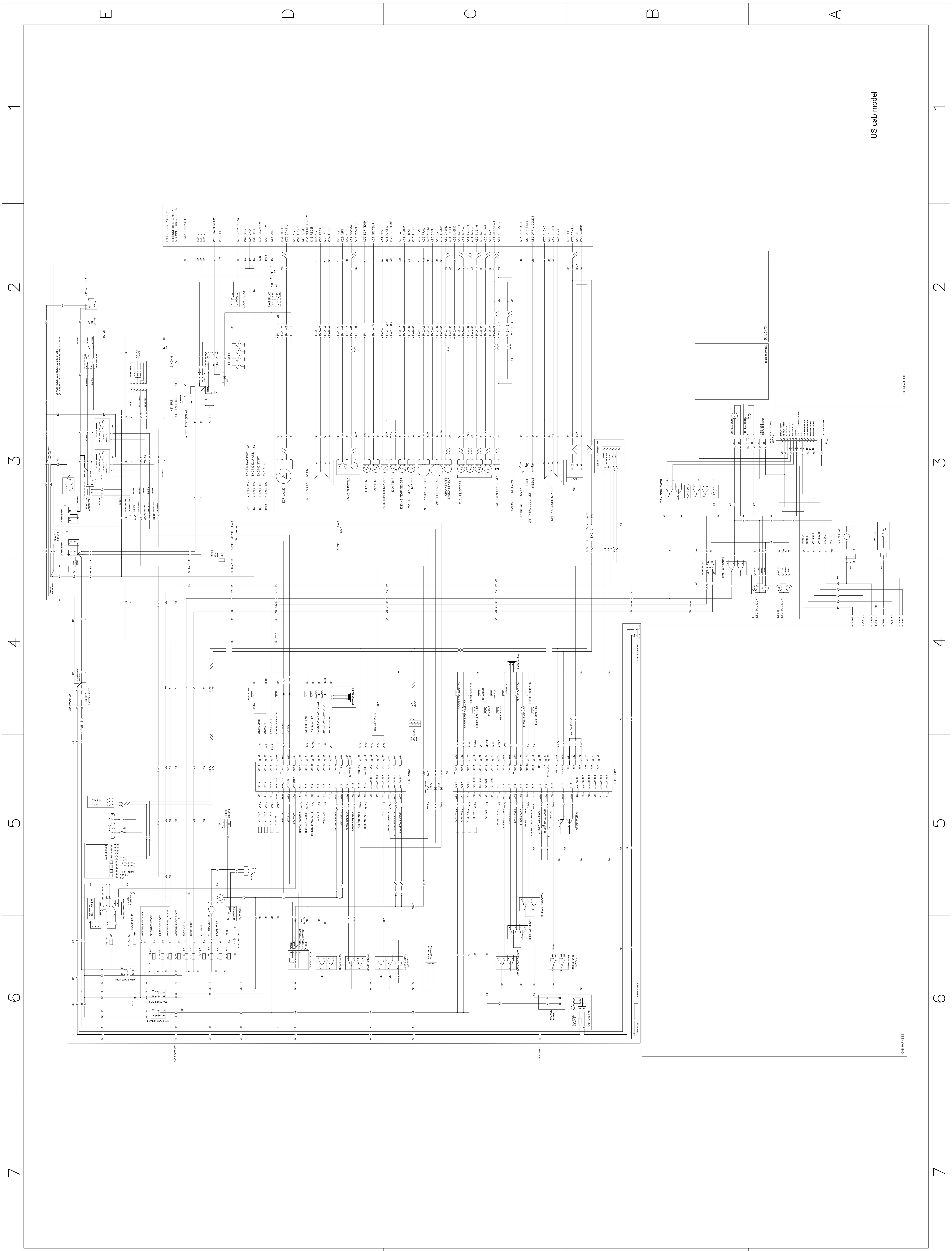
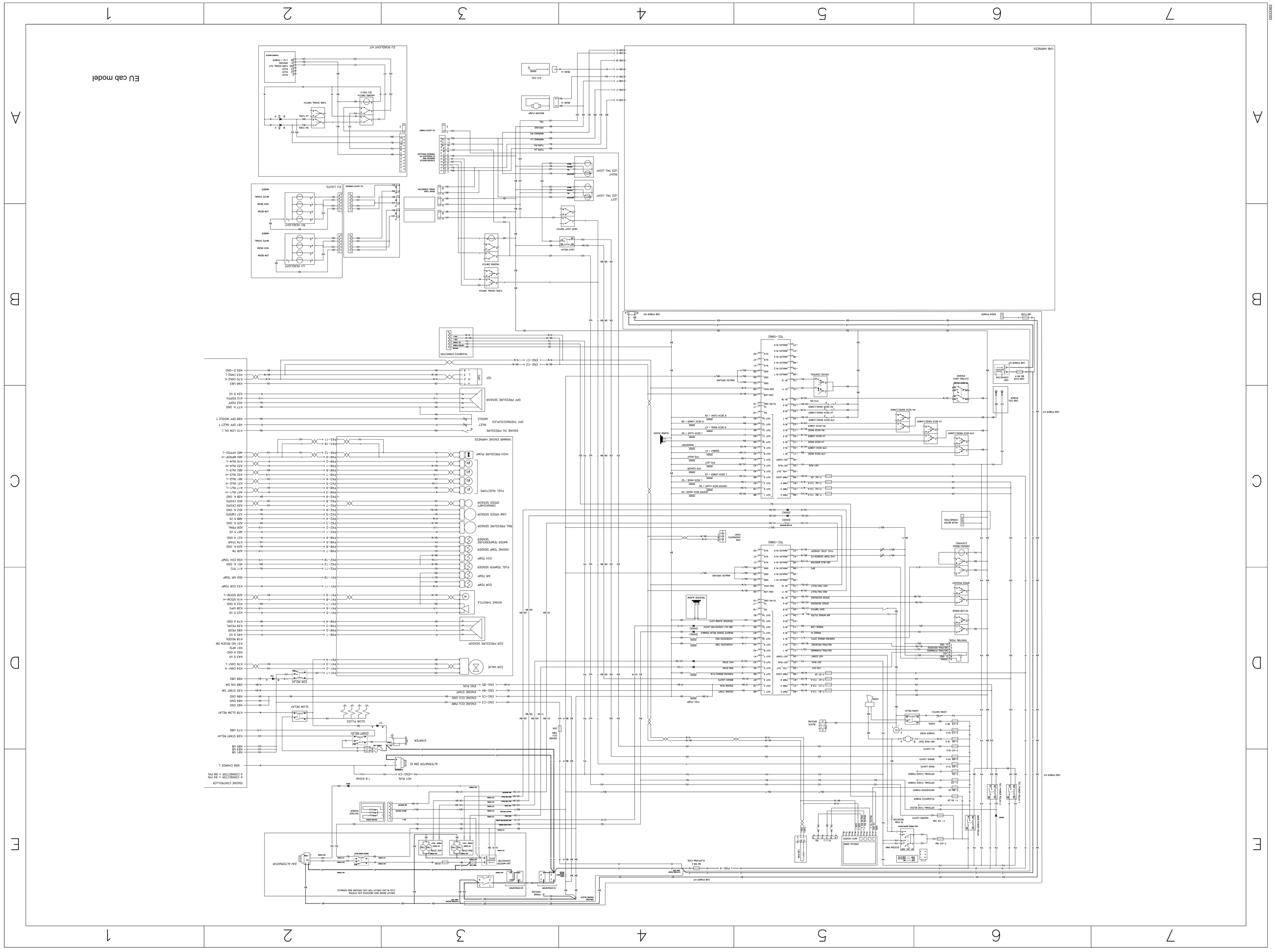

US cab model
ENGINE CONTROLLER
K CONNECTOR = 94 PIN
A CONNECTOR = 60 PIN
24V ALTERNATOR
CIRCUIT INSIDE BOX INDICATES 24V SYSTEM
(12V IN 24V CIRCUIT FOR COIL GROUND AND SIGNALS)
VOLTAGE DIVIDER
1.6 KOHM
KEY RUN
ALTERNATOR (80 A)
STARTER
START RELAY
GLOW PLUGS
GLOW RELAY
EGR RELAY
24V MASTER CONTACTOR
ENGINE ECU PWR
ENGINE ECU GND
ENGINE START
ENG RUN
EGR VALVE
EGR PRESSURE SENSOR
INTAKE THROTTLE
EGR TEMP
AIR TEMP
FUEL TEMPER SENDER
EXH TEMP
ENGINE TEMP SENDER
WATER TEMPERATURE SENDER
RAIL PRESSURE SENSOR
CAM SPEED SENSOR
CRANKSHAFT SPEED SENSOR
FUEL INJECTORS
HIGH PRESSURE PUMP
YANMAR ENGINE HARNESS
ENGINE OIL PRESSURE
DPF THERMOCOUPLES
INLET
MIDDLE
DPF PRESSURE SENSOR
YDT
TELEMATICS CONNECTION
EU LIGHTS
EU LIGHTS HARNESS
EU ROADLIGHT KIT
LH HEAD LIGHT
RH HEAD LIGHT
FRONT TURN SIGNAL CONNECTOR
DUAL RATE FLASHER (US ONLY)
EU LIGHTS POWER
TURN-SIGNAL SWITCH
HAZARD SWITCH
LIGHT RELAY
HEAD LIGHT SWITCH
LEFT LED TAIL LIGHT
RIGHT LED TAIL LIGHT
WASHER PUMP
A/C COIL
FRAME GROUND
GROUND ENGINE BLOCK
ENGINE ECU PWR 25A
CAB POWER KIT
M2 60 A PLATFORM FUSE
FUEL PUMP
REVERSE ALARM
CAN DIAGNOSTIC PORT
ANALOG GROUND
TEC-5002
ALARM-AUDIO
120 OHM
CANtrak 2600
INFO CENTER
BLOCK GROUND
HORN
SYSTEM PWR
75 OHM RESISTOR
HAZARD LIGHTS
OPTIONAL FUSE BLOCK
TELEMATICS POWER
INFOCENTER POWER
OPTIONAL FUSED POWER
ROAD LIGHTS
BRAKE LIGHTS
EU LIGHTS
AIR-RIDE SEAT
POWER POINT
HORN RELAY
HORN SWITCH
MAIN POWER RELAY
TEC POWER RELAY 2
TEC POWER RELAY 1
TRACTION PEDAL
HI/LOW RANGE
SPEED REQUEST
PARKING BRAKE (LOCKING)
HOUR METER CONNECTION
CRUISE CONTROL
RH DECK RAISE/LOWER
LH DECK RAISE/LOWER
CTR DECK RAISE/LOWER
CUTTING UNITS ENGAGE
CAB COIL POWER
CAB CONTACTOR
CAB FUSE M2 60 A
RADIO POWER
10A FUSE
CAB HARNESS

G033362

Model No. 31699
122-0200 Rev A
4 of 4 (EU cab model)


EU cab model
CAB HARNESS
ENGINE CONTROLLER
TEC-5882
ALTERNATOR (GM A)
STARTER
START RELAY
GLOW PLUGS
GLOW RELAY
ECM RELAY
ECM VALVE
ECM PRESSURE SENSOR
INTAKE THROTTLE
ECM TEMP
AIR TEMP
FUEL TEMPER SENSOR
EXH TEMP
ENGINE TEMP SENSOR
WATER TEMPERATURE SENSOR
MAIL PRESSURE SENSOR
CAM SPEED SENSOR
CRANKSHAFT SPEED SENSOR
FUEL INJECTORS
HIGH PRESSURE PUMP
ENGINE DL PRESSURE
OPT THERMOCOUPLES
OPT PRESSURE SENSOR
TILT-SWITCH CONNECTION
TILT SWITCH
TILT-SIGNAL SWITCH
HORN SWITCH
LIGHT RELAY
HIGH LIGHT SWITCH
LEFT TILT LIGHT
RIGHT TILT LIGHT
LH HEADLIGHT
RH HEADLIGHT
LH LIGHTS HARN.
RH LIGHTS HARN.
EU LIGHTS
EU LIGHTS POWER
EU SOLENOID KIT
EU SOLENOID
LH TURN
RH TURN
HORN SIGNAL SWITCH
HORN RELAY
HORN
POWER POINT
EU LIGHTS
BRAKE LIGHTS
ROAD LIGHTS
OPTIONAL FUSED POWER
NON-FUSED POWER
TELEMATICS POWER
OPTIONAL FUSE BLOCK
HEADED LIGHTS
CAB POWER KIT
CAB FUSE BLOCK
CAB GND POWER
CAB GND
CAB FUSE
MAIN POWER
MAIN FUSE
CAB POWER
ALARM AUDIO
ALARM SIGNAL
ALARM SIGNAL LIGHTS
ANALOG GROUND
ANALOG IN
ANALOG OUT
DIGITAL OUT
DIGITAL IN
DIGITAL GROUND
CAN HIGH
CAN LOW
CAN GND
PTO ON
PTO SWITCH
PTO LIGHT
PTO SENSOR
ENGINE DECK MAGS / 35
ENGINE DECK FUSE / 36
L DECK TIMER / 37
L DECK MAGS / 37
R DECK MAGS / 37
R DECK TIMER / 38
R DECK FUSE / 38
L DECK FUSE / 39
L DECK MAGS / 39
R DECK MAGS / 39
R DECK TIMER / 39
R DECK FUSE / 39
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L DECK MAGS / 41
R DECK MAGS / 41
L DECK TIMER / 41
R DECK TIMER / 41
L DECK FUSE / 41
R DECK FUSE / 41
L DECK MAGS / 42
R DECK MAGS / 42
L DECK TIMER / 42
R DECK TIMER / 42
L DECK FUSE /