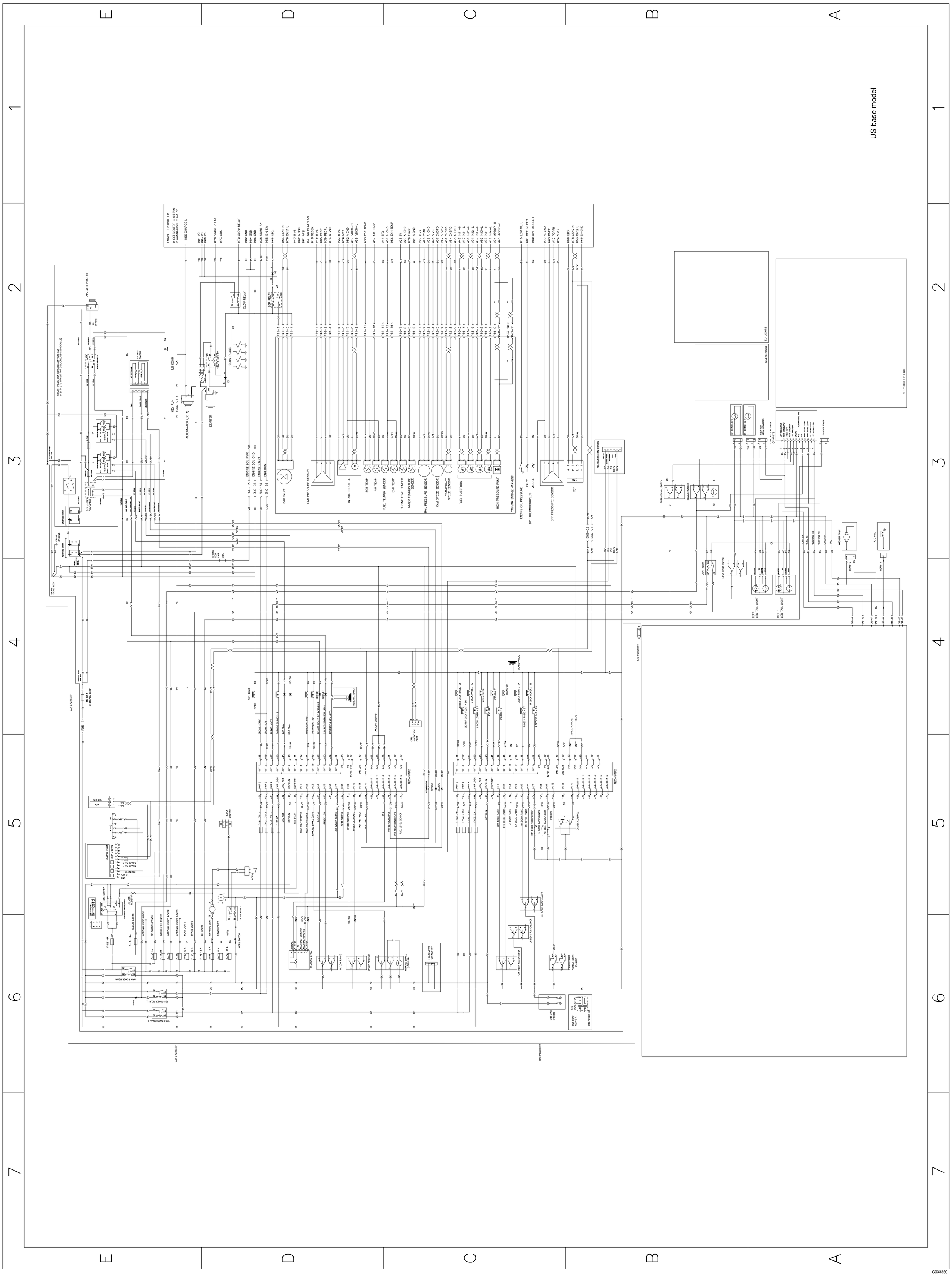
Groundsmaster® 5900 or 5910 Rotary Mower

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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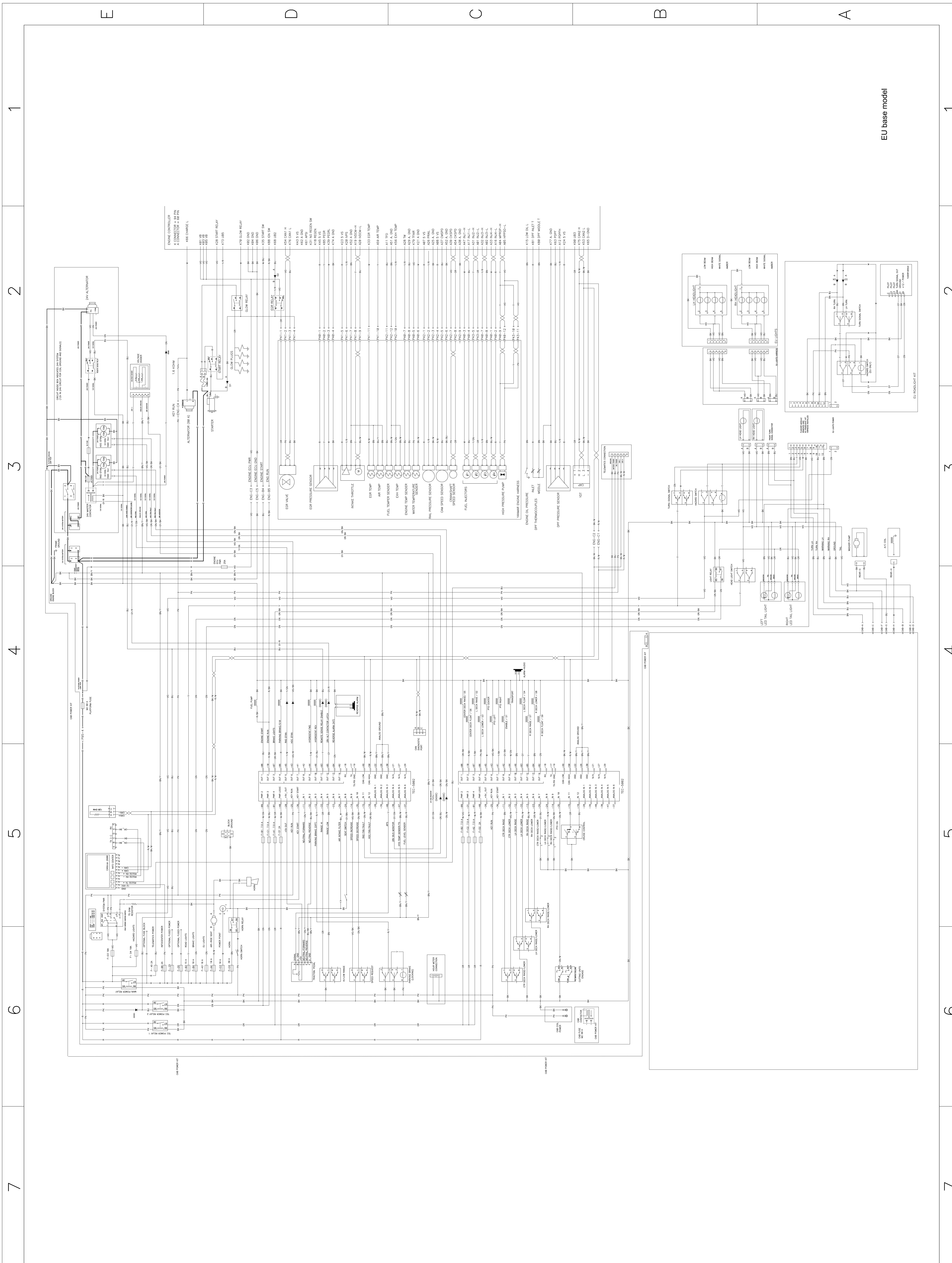
EU base model
ENGINE CONTROLLER
K CONNECTOR = 94 PIN
A CONNECTOR = 60 PIN
24V ALTERNATOR
CIRCUIT INSIDE BOX INDICATES 24V SYSTEM (12V IN 24V CIRCUIT FOR COIL GROUND AND SIGNALS)
VOLTAGE DIVIDER
1.6 KOHM
KEY RUN
ALTERNATOR (80 A)
STARTER
START RELAY
GLOW PLUGS
GLOW RELAY
EGR RELAY
24V MASTER CONTACTOR
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
LH HEADLIGHT
RH HEADLIGHT
LOW BEAM
HIGH BEAM
WHITE SIGNAL
AMBER
EU LIGHTS
EU LIGHTS HARNESS
TURN SIGNAL SWITCH
HAZARD SWITCH (EU ONLY)
FLASHER MODULE
EU ROADLIGHT KIT
LH HEAD LIGHT
RH HEAD LIGHT
FRONT TURN SIGNAL CONNECTOR
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
ENGINE ECU PWR 25A
GROUND ENGINE BLOCK
FRAME GROUND
M2 60 A PLATFORM FUSE
CAB POWER KIT
120 OHM
CANtrak 2600
INFO CENTER
BLOCK GROUND
HORN
FUEL PUMP
REVERSE ALARM
TEC-5002
ANALOG GROUND
CAN DIAGNOSTIC PORT
ALARM-AUDIO
CRUISE CONTROL
SYSTEM PWR
75 OHM RESISTOR
HORN RELAY
HORN SWITCH
TRACTION PEDAL
HI/LOW RANGE
SPEED REQUEST
PARKING BRAKE (LOCKING)
HOUR METER CONNECTION
CTR DECK RAISE/LOWER
LH DECK RAISE/LOWER
RH DECK RAISE/LOWER
CUTTING UNITS ENGAGE
MAIN POWER RELAY
TEC POWER RELAY 2
TEC POWER RELAY 1
CAB COIL POWER
CAB CONTACTOR
CAB FUSE M2 60 A

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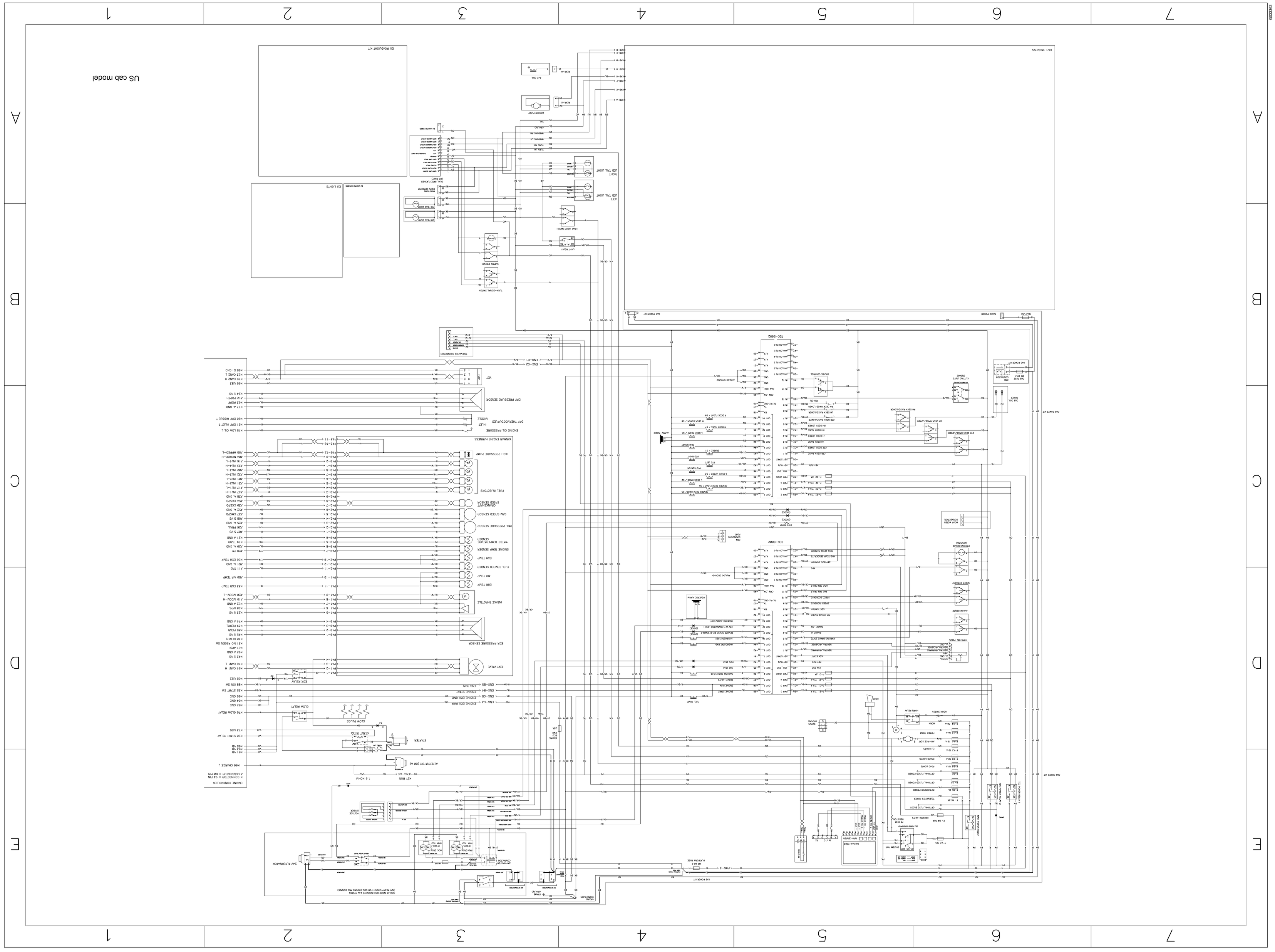
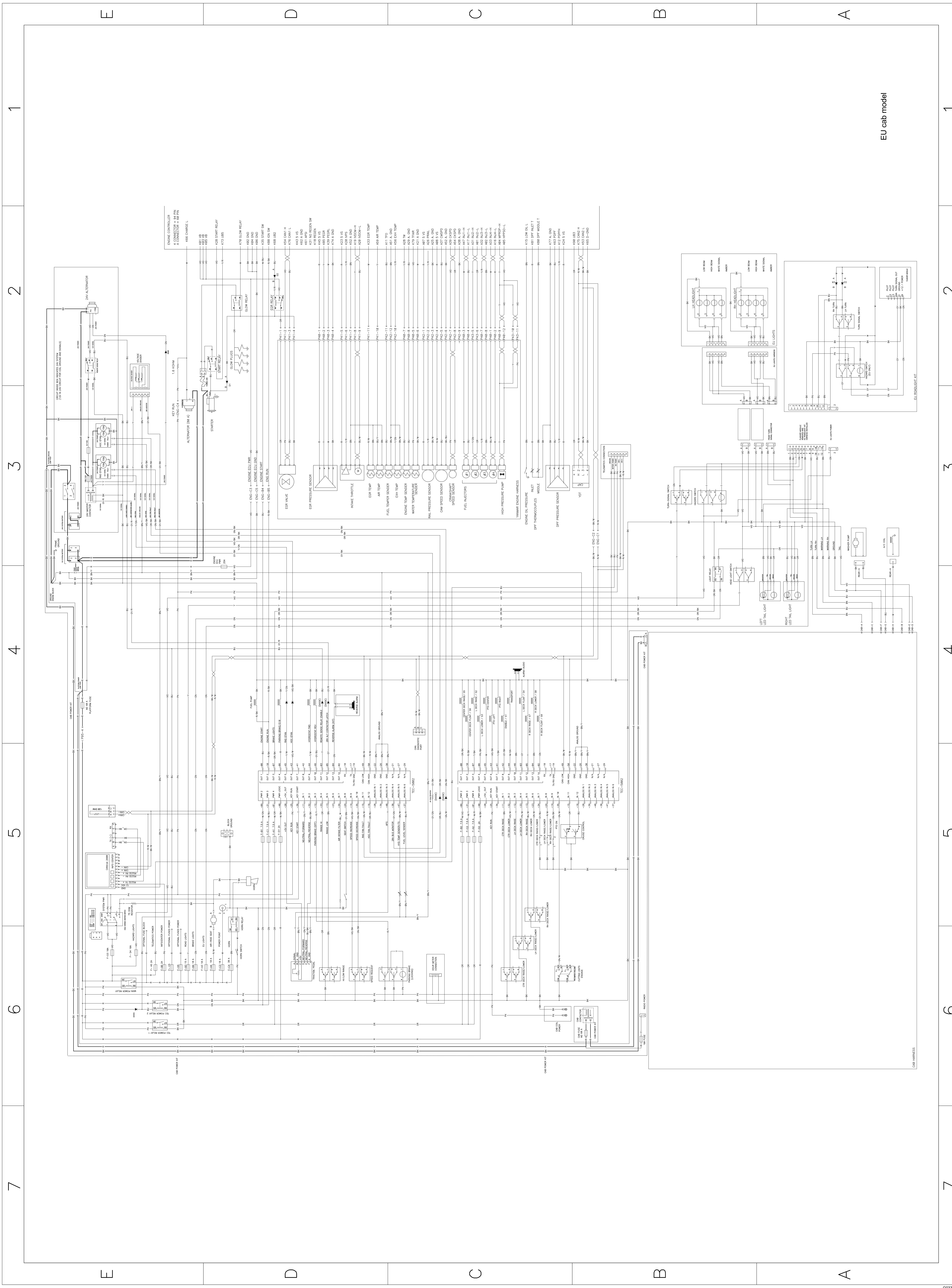
Model No. 31699
122-0200 Rev A
3 of 4 (US cab model)


US cab model
CAB HARNESS
ENGINE CONTROLLER
ALTERNATOR (GM A)
STARTER
START RELAY
GLOW PLUGS
GLOW RELAY
ECM RELAY
ECM VALVE
ECM PRESSURE SENSOR
ENGINE TEMP SENSOR
WATER TEMPERATURE SENSOR
FUEL TEMPERATURE SENSOR
AIR TEMP
EGR TEMP
EXH TEMP
CAM SENSOR
CRANKSHAFT SENSOR
FUEL INJECTORS
HIGH PRESSURE PUMP
ENGINE OIL PRESSURE
OPT PRESSURE SENSOR
OPT THERMOCOUPLES
INLET MODULE
OPT INLET
OPT OUTLET
TWIN-SIGNAL SWITCH
HOURS SWITCH
LIGHT RELAY
HEAD LIGHT SWITCH
LEFT TAIL LIGHT
RIGHT TAIL LIGHT
TELEMATICS CONNECTION
DUAL SPOT FLASHER
EU LIGHTS
EU LIGHTS HARNESS
EU ROADLIGHT KIT
WASHER PUMP
A/C COIL
CAB POWER KIT
MAIN FUSE
MAIN POWER
CAB FUSE
CAB POWER
CAB GND
CAB FUSE CONNECTION
CAB HARNESS
TEC-5882
ANALOG GROUND
DIGITAL GROUND
ALARM MODE
ENGINE CONTROL
ENGINE RUN
ENGINE START
ENGINE ECU PWR
ENGINE ECU GND
ENGINE OIL PRESSURE
ENGINE TEMP
FUEL TEMP
AIR TEMP
EGR TEMP
EXH TEMP
CAM SENSOR
CRANKSHAFT SENSOR
FUEL INJECTORS
HIGH PRESSURE PUMP
OPT PRESSURE
OPT THERMOCOUPLES
INLET MODULE
OPT INLET
OPT OUTLET
TWIN-SIGNAL SWITCH
HOURS SWITCH
LIGHT RELAY
HEAD LIGHT SWITCH
LEFT TAIL LIGHT
RIGHT TAIL LIGHT
TELEMATICS CONNECTION
DUAL SPOT FLASHER
EU LIGHTS
EU LIGHTS HARNESS
WASHER PUMP
A/C COIL
CAB POWER
MAIN POWER
MAIN FUSE
CAB FUSE



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