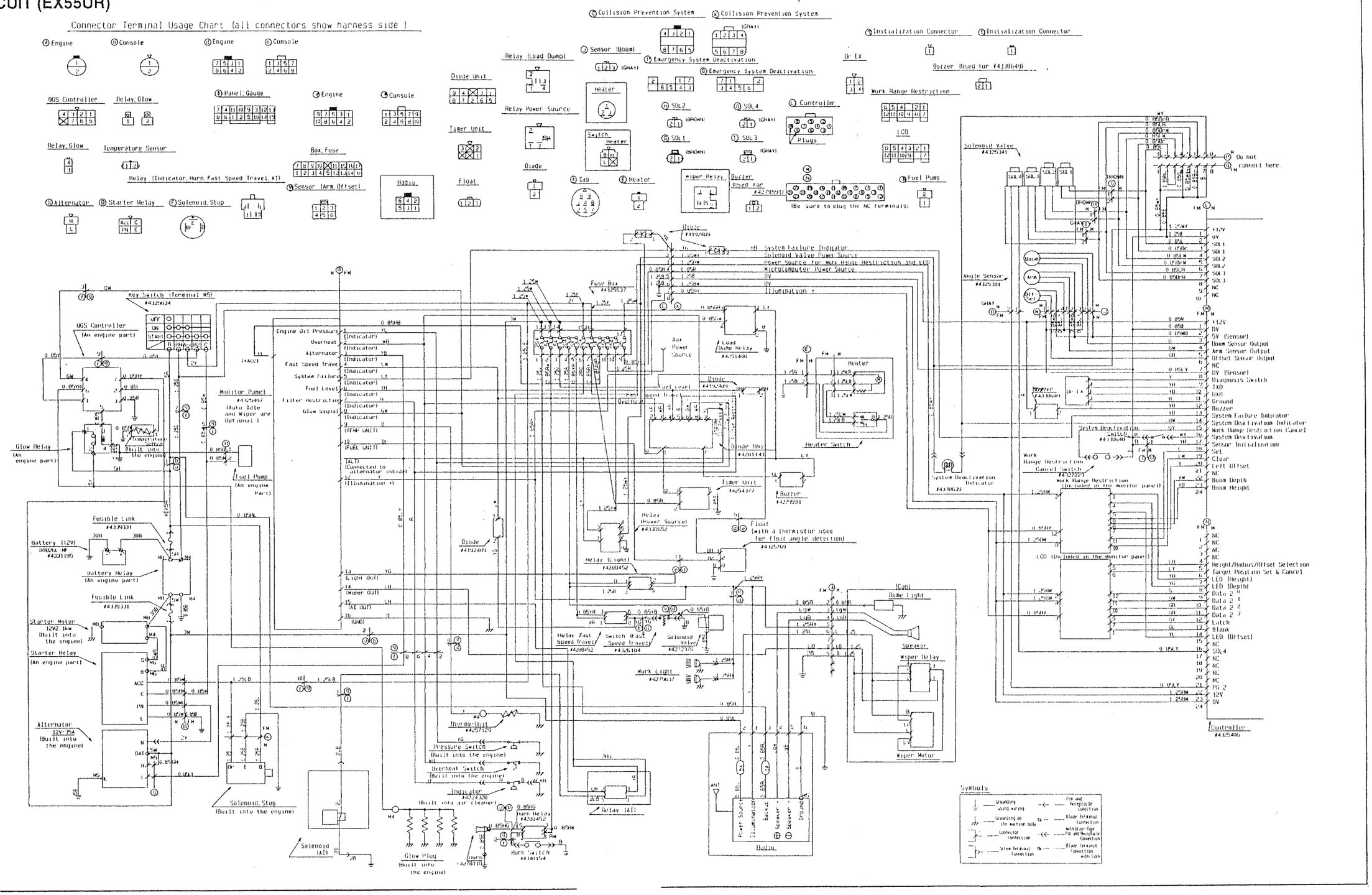
ELECTRICAL CIRCUIT (EX55UR)


Connector Terminal Usage Chart (all connectors show harness side)
Engine
Console
Engine
Console
OGS Controller
Relay, Glow
Panel, Gauge
Engine
Console
Relay, Glow
Temperature Sensor
Box, Fuse
Relay (Indicator, Horn, Fast Speed Travel, A1)
Sensor (Arm, Offset)
Alternator
Starter Relay
Solenoid, Stop
Harness
Diode Unit
Relay (Load Dump)
Sensor (Boom)
Collision Prevention System
Collision Prevention System
Initialization Connector
Initialization Connector
Buzzer (Used for #4130649)
Emergency System Deactivation
Emergency System Deactivation
Or EX
Work Range Restriction
Timer Unit
Relay Power Source
Heater
Switch, Heater
SOL2
SOL4
Controller
Plugs
LCD
Diode
Float
Cab
Heater
Wiper Relay
Buzzer (Used for #4279511)
(Be sure to plug the NC terminals)
Fuel Pump
Solenoid Valve #4195341
Do not connect here.
Key Switch (terminal M5) #4195434
OGS Controller (An engine part)
Monitor Panel #4195407 (Auto Idle and Wiper are Optional)
Glow Relay (An engine part)
Fuel Pump (An engine Part)
Fusible Link #4339331
Battery (12V) 100Ah -MF #4331195
Battery Relay (An engine part)
Fusible Link #4339331
Starter Motor 12V2.3kW (Built into the engine)
Starter Relay (An engine part)
Alternator 12V-95A (Built into the engine)
Solenoid, Stop (Built into the engine)
Solenoid (A1)
Glow Plug (Built into the engine)
Thermo-Unit #4207139
Pressure Switch (Built into the engine)
Overheat Switch (Built into the engine)
Indicator #4224330 (Built into air cleaner)
Horn Relay #4280452
Horn Switch #4301154
Horn #4270111
Fuse Box #4195037
Diode #4192489
Aux Power Source
Load Dump Relay #4291480
Diode #4192489
Diode Unit #4201141
Timer Unit #4254177
Buzzer #4279501
Relay (Power Source) #4330652
Diode #4192489
Float (with a thermistor used for float angle detection) #4195701
Relay (Light) #4280452
Relay (A1)
Heater
Heater Switch
Relay (Fast Speed Travel) #4280452
Switch (Fast Speed Travel) #4301104
Solenoid Valve #4272375
Work Light #4279617
(Cab) Dome Light
Speaker
Wiper Relay
Wiper Motor
Radio
Power Source
Illumination
Back-up
Speaker
Speaker
Ground
Angle Sensor #4295381
Buzzer #4130649
Or EX
System Deactivation Switch #4130640
System Deactivation Indicator #4130639
Work Range Restriction Cancel Switch #4132221
Work Range Restriction (Included in the monitor panel)
LCD (Included in the monitor panel)
Controller #4195406
+B System Failure Indicator
Solenoid Valve Power Source
Power Source for Work Range Restriction and LCD
Microcomputer Power Source
0V
0V
Illumination +
+12V
0V
5V (Sensor)
Boom Sensor Output
Arm Sensor Output
Offset Sensor Output
NC
0V (Sensor)
Diagnosis Switch
TXD
RXD
Ground
Buzzer
System Failure Indicator
System Deactivation Indicator
Work Range Restriction Cancel
System Deactivation
Sensor Initialization
Set
Clear
Left Offset
NC
Boom Depth
Boom Height
NC
NC
NC
NC
Height/Radius/Offset Selection
Target Position Set & Cancel
LED (Height)
LED (Depth)
Data 2 0
Data 2 1
Data 2 2
Data 2 3
Latch
Blank
LED (Offset)
NC
SOL4
NC
NC
NC
NC