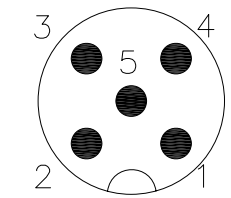
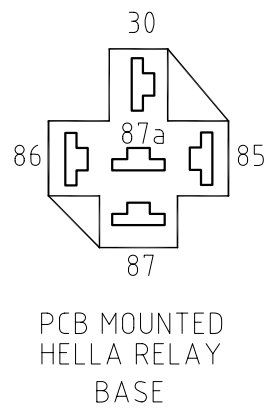


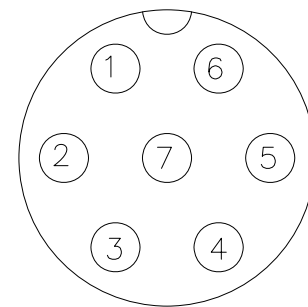
ANGLE SENSOR M12 FEMALE SOCKET



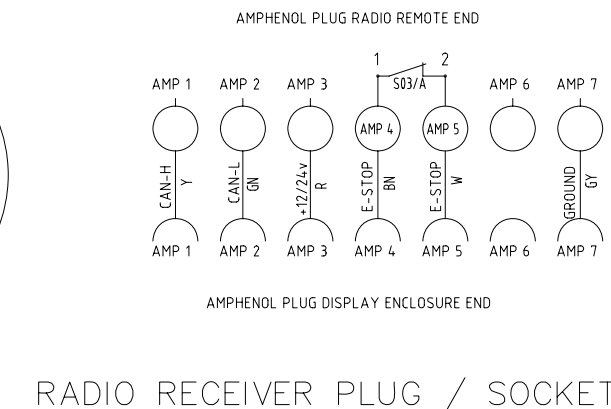
1 BROWN = NOT CONNECTED
2 WHITE = X-AXIS
3 BLUE = Y-AXIS
4 BLACK = POWER
5 GN/Y = GROUND



PCB MOUNTED
HELLA RELAY
BASE

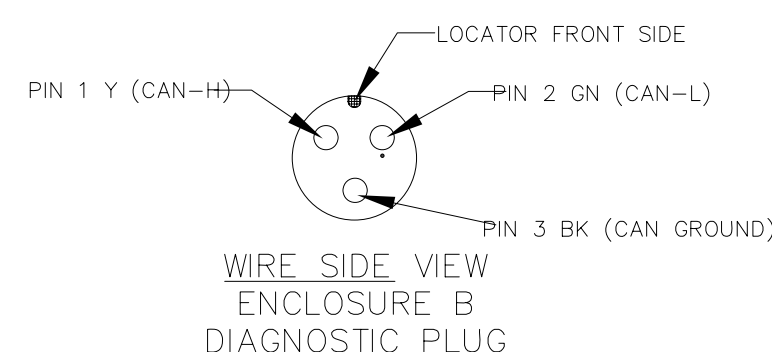


VIEW - CONTACT
SIDE OF PLUG

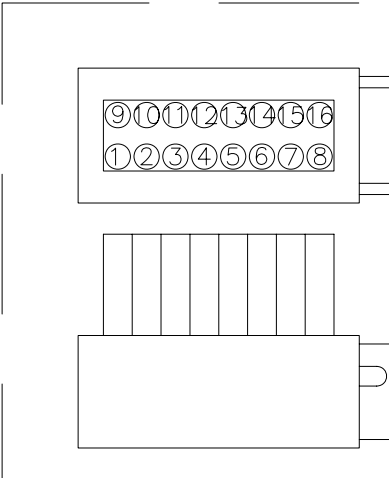
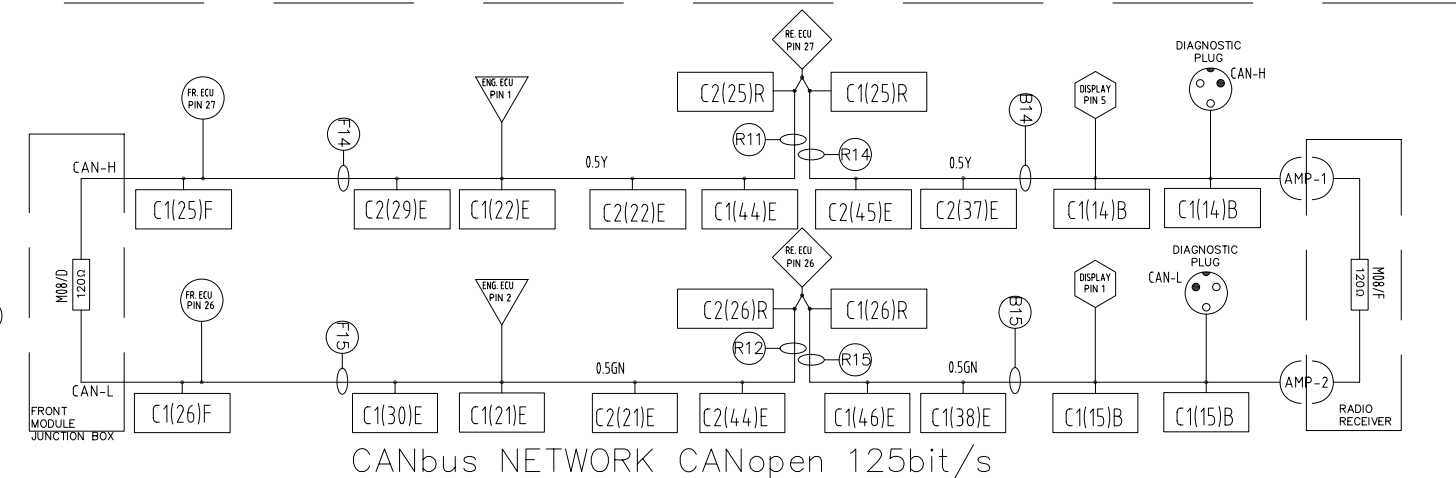


RADIO RECEIVER PLUG / SOCKET

DIAGNOSTIC PLUG



LOCATOR FRONT SIDE
WIRE SIDE VIEW
ENCLOSURE B
DIAGNOSTIC PLUG



PIN NO.	BLOCK	WIRE	FUNCTION
ECU 1	JP8(1)	0.5 Y	CAN-H
ECU 2	JP8(2)	0.5 GN	CAN-L
ECU 3	JP8(3)	0.5 R/W	+UE
ECU 4	JP8(4)	-	NOT CONNECTED
ECU 5	JP8(5)	0.5 BK/W	THRITTLE
ECU 6	JP8(6)	0.5 BU/Y	ENGINE STARTER MOTOR
ECU 7	JP8(7)	0.5 Y/R	LS SHUTOFF & HIGH/LOW SP.
ECU 8	JP8(8)	0.5 BN/Y	LS DUMP
ECU 9	JP8(9)	0.5 GN/W	+UB
ECU 10	JP8(10)	0.5 GN/W	+UB
ECU 11	JP8(11)	0.85 BK	GROUND
ECU 12	JP8(12)	-	NOT CONNECTED
ECU 13	JP8(13)	0.5 W/B	ENGINE SHUTDOWN
ECU 14	JP8(14)	0.5 BK/Y	HORN
ECU 15	JP8(15)	0.5 PU	NIGHT LIGHTS
ECU 16	JP8(16)	-	NOT CONNECTED

LOCATION	FUNCTION
A	= PENDANT REMOTE CONTROL
B	= REAR DISPLAY ENCLOSURE
E	= START KEY JUNCTION BOX
F	= FRONT CRANE JUNCTION BOX
G	= STABILISER EXTENSION SENSOR J/B
H	= HIGH/LOW SPEED VALVE BLOCK
I	= TRAILER PLUG J/B
J	= ENGINE FRAME ECU BATTERY BOX
L	= ENGINE
M1-M6	= TOP LIFT FRAME J/B'S 1 - 6
P	= RADIO RECEIVER ENCLOSURE
R	= REAR CRANE JUNCTION BOX
U	= TOP LIFT FRAME WARNING LIGHT J/B
W	= TOP LIFT FRAME
X	= REAR CRANE MODULE
Y	= FRONT CRANE MODULE
Z	= TRAILER CHASSIS

MISCELLANEOUS	FUNCTION
M01 - 70A DIODE	
M02 - RADIO REMOTE BATTERY CHARGER	
M03 - KUBOTA ENGINE TEMPERATURE SENDER	
M04 - GLOW PLUG TIMER	
M05 - KUBOTA ENGINE GLOW PLUG	
M06 - KUBOTA ENGINE ALTERNATOR	
M07 - KUBOTA ENGINE STARTER MOTOR	
M08 - 120 OHM RESISTOR	
M09 - MOTORCYCLE 12 VOLT BATTERY	
M10 - KUBOTA ENGINE MAIN 12 VOLT BATTERY	
M11 - KUBOTA ENGINE THRITTLE SOLENOID	
M12 - KUBOTA ENGINE RUN/STOP SOLENOID	
M13 - HIGH/LOW SPEED SOLENOID	
M14 - LOADSENSE SHUTOFF SOLENOID	
M15 - HORN	
M16 - LOADSENSE DUMP SOLENOID	
M17 - VOLTMETER	

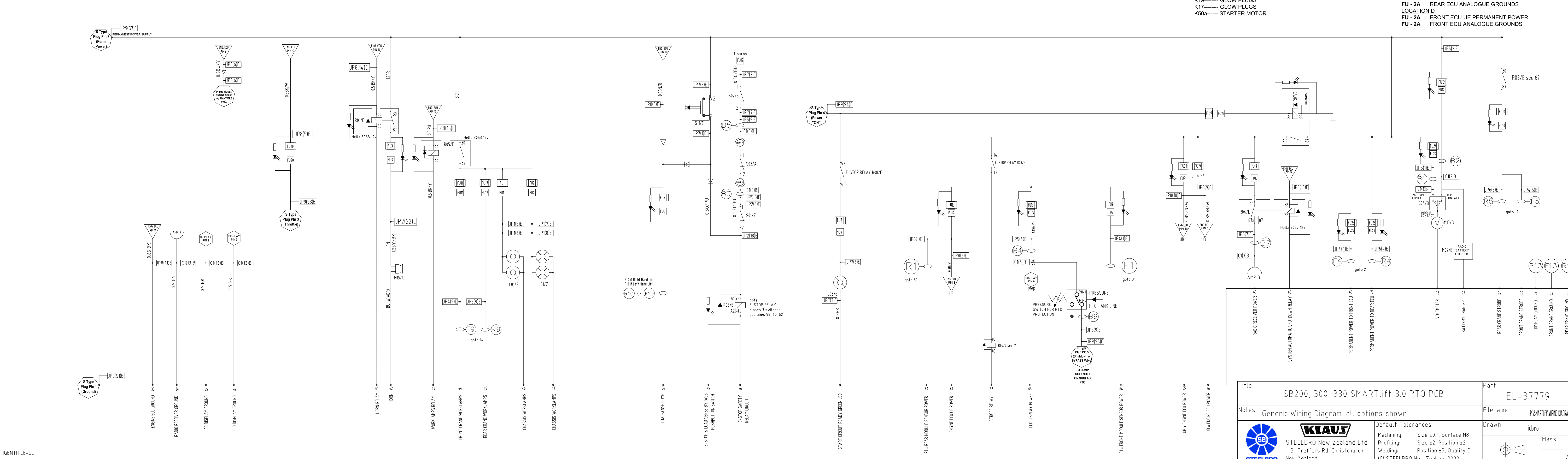
RELAYS	FUNCTION
R01 - HORN	
R02 - HIGH / LOW SPEED & LOAD SENSE SHUT-OFF RELAY	
R03 - STROBE RELAY	
R04 - ENGINE SHUTDOWN RELAY	
R05 - WORKLAMP RELAY	
R06 - STARTER MOTOR RELAY	
R07 - ECU BATTERY ISOLATION RELAY	
R08 - E-STOP RELAY (3 POLE)	

FUSES (KEY SWITCH JUNCTION BOX)	LOCATION	FUNCTION
F01 - 10A	WORKLAMP, FAR CHASSIS	
F02 - 10A	WORKLAMP, NEAR CHASSIS	
F03 - 7.5A	HORN	
F04 - 5A	LOAD SENSE SHUTOFF SOLENOID	
F05 - 5A	HIGH / LOW SPEED SOLENOID	
F06 - 4A	LOAD SENSE DUMP	
F07 - 5A	ENGINE RUN/STOP	
F08 - 3A	ALTERNATOR REGULATOR	
F09 - 4A	FRONT CRANE ECU D+ AND SENSOR POWER	
F10 - 10A	STROBE	
F11 - 10A	WORKLAMP, FRONT CRANE	
F12 - 3A	REAR VOLTMETER, MAIN BATTERY	
F13 - 4A	DISPLAY POWER	
F14 - 3A	REVERSE GEAR (PTO ONLY)	
F15 - 4A	REAR CRANE ECU D+ AND SENSOR POWER	
F16 - 7.5A	MODULE MARKER LAMPS	
F17 - 10A	WORKLAMP, REAR CRANE	
F18 - 5A	RADIO RECEIVER POWER	
F19 - 3A	E-STOP CIRCUIT FUSE	
F20 - 4A	THRITTLE	
F21 - 7.5A	ENGINE ECU UB	
F22 - 3A	MAIN BATTERY REVERSE POLARITY	
F23 - 10A	ECU, FRONT UE & UB POWER	
F24 - 3A	REAR VOLTMETER, ECU BATTERY	
F25 - 10A	ECU, REAR UE & UB POWER	
LOCATION C		
FU - 2A	REAR ECU UE PERMANENT POWER	
FU - 2A	REAR ECU ANALOGUE GROUNDS	
LOCATION D		
FU - 2A	FRONT ECU UE PERMANENT POWER	
FU - 2A	FRONT ECU ANALOGUE GROUNDS	

REAR MODULE JUNCTION BOX ONLY

FRONT AND REAR MODULE JUNCTION BOXES

FRONT MODULE JUNCTION BOX ONLY



Title	SB200, 300, 330 SMARTlift 3.0 PTO PCB	Part	EL-37779	Rev	D
Notes	Generic Wiring Diagram-all options shown				
File name	P:\SMARTlift\WIRING DIAGRAMS.dwg				
Drawn	rtbro	Mass	kg	20/09/07	
					A1
STEELBRO New Zealand Ltd 1-31 Treffers Rd, Christchurch New Zealand Machining: Size ±0.1 Surface N8 Profiling: Size ±2, Position ±2 Welding: Position ±3. Quality C (C) STEELBRO New Zealand 2000					