

RED	POSITIVE
BLACK	GROUND
GREEN	INPUT
BLUE	OUTPUT
LT. BLUE	CAN-BUS/J-1939

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ALL GROUNDS MUST GO TO BATTERY GROUND  
ALL POSITIVES MUST GO TO BATTERY POSITIVE

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	AIR INLET TEMP SENSOR GROUND	TO AIR INLET TEMPERATURE SENSOR - #2
2	ANALOGUE RETURN	TO WATER IN FUEL - #3
3	ANALOGUE RETURN	TO ANALOGUE RETURN 2 SPlice
4	BATTERY POSITIVE (+)	TO 12 SOCKET D CONNECTOR - #12
5	TV SUPPLY	TO TV SUPPLY SPlice
6	BATTERY POSITIVE (+)	TO 12 SOCKET D CONNECTOR - #11
7	ANALOGUE RETURN	TO ANALOGUE RETURN SPlice
8	BATTERY NEGATIVE (-)	TO BATTERY (-) SPlice
9	MAIN POWER RELAY COIL (+)	TO MAIN POWER RELAY COIL - #12
10	BATTERY NEGATIVE (-)	TO BATTERY (-) SPlice
11	KEYSWITCH	TO KEYSWITCH SPlice
12	BATTERY NEGATIVE (-)	TO BATTERY (-) SPlice
13	BATTERY POSITIVE (+)	TO 12 SOCKET D CONNECTOR - #10

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	OK TO ELEVATE SPEED RETURN	TO ANALOGUE RETURN 2 SPlice
2	SWITCH INPUT RETURN	TO 12 SOCKET D CONNECTOR - #25
3	SWITCH INPUT RETURN	TO 12 SOCKET D CONNECTOR - #25

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	3 PIN RESISTOR A	TO CAN C (+)
2	CAN A (-)	TO CAN A (-)
3	CAN B (-)	TO CAN B (-)

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	WATER IN FUEL SIGNAL	TO WATER IN FUEL - #1
2	WATER IN FUEL SIGNAL	TO WATER IN FUEL - #1
3	WATER IN FUEL POWER SUPPLY	TO 12 SOCKET B CONNECTOR - #10
4	WATER IN FUEL POWER SUPPLY	TO 12 SOCKET B CONNECTOR - #10
5	WATER IN FUEL RETURN	TO ANALOGUE RETURN SPlice
6	WATER IN FUEL RETURN	TO ANALOGUE RETURN SPlice
7	LOW PRESSURE LIFT PUMP GND	TO 12 SOCKET B CONNECTOR - #3
8	LOW PRESSURE LIFT PUMP GND	TO 12 SOCKET B CONNECTOR - #3
9	DEF PUMP REVERSE VALVE RLY COIL (+)	TO 12 SOCKET B CONNECTOR - #5
10	DEF PUMP REVERSE VALVE RLY COIL (+)	TO 12 SOCKET B CONNECTOR - #5
11	ETHER START AID SOLENOID (HS)	TO AUTO ETHER AID - #1
12	DEF PUMP CONTROL SIGNAL	TO DEF SUPPLY MODULE - #10
13	DEF PRESSURE HEATED LINE (+)	TO DEF HEATED LINE 1 PRESSURE - #2
14	DEF RETURN HEATED LINE (+)	TO DEF RETURN HEATED LINE 2 RETURN - #2
15	NOX SENSOR 1 SUPPLY	TO DEF SUPPLY SPlice
16	NOX SENSOR 1 SUPPLY	TO DEF SUPPLY SPlice
17	AIR INLET TEMP SENSOR SIGNAL	TO AIR INLET TEMPERATURE SENSOR - #1
18	AIR INLET TEMP SENSOR SIGNAL	TO AIR INLET TEMPERATURE SENSOR - #1
19	DEF SUCTION HEATED LINE (+)	TO DEF HEATED LINE 3 SUCTION - #2
20	CAN A (-)	TO DEF TANK HEADER UNIT - #1
21	CAN B (-)	TO DEF TANK HEADER UNIT - #2
22	CAN C (-)	TO DEF TANK HEADER UNIT - #3
23	COOLANT LEVEL SWITCH SIGNAL	TO COOLANT LEVEL SWITCH - C
24	DEF PUMP MOTOR SUPPLY	TO DEF SUPPLY MODULE - #2
25	DEF PRESSURE SENSOR SIGNAL	TO DEF SUPPLY MODULE - #3
26	REMOTE SHUTDOWN	TO 12 SOCKET D CONNECTOR - #3
27	STARTER CONTROL RELAY COIL (+)	TO 12 SOCKET D CONNECTOR - #5
28	STARTER CONTROL RELAY COIL (+)	TO 12 SOCKET D CONNECTOR - #5
29	SWITCH INPUT RETURN	TO OK TO ELEVATE SPEED 2 SOCKET - #2
30	COOLANT DIVERTER VALVE GROUND	TO COOLANT DIVERTER VALVE - #4
31	STARTER CONTROL RELAY COIL (+)	TO 12 SOCKET D CONNECTOR - #4
32	STARTER CONTROL RELAY COIL (+)	TO 12 SOCKET D CONNECTOR - #4
33	NOX SENSOR 2 SUPPLY	TO DEF SUPPLY SPlice
34	NOX SENSOR 2 SUPPLY	TO DEF SUPPLY SPlice
35	NOX SENSOR 2 RETURN	TO BATTERY (-) SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	ETHER START AID SOLENOID (HS)	TO 12 SOCKET CONNECTOR - #10
2	ETHER START AID SOLENOID (LS)	TO BATTERY (-) SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	WAIT TO DISCONNECT	TO SPlice
2	WAIT TO DISCONNECT (+)	TO CAN A SHIELDED SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	DEF PRESSURE SENSOR (V)	TO TV SUPPLY SPlice
2	DEF PRESSURE SENSOR SIGNAL	TO 12 SOCKET CONNECTOR - #14
3	DEF PRESSURE SENSOR GROUND	TO ANALOGUE RETURN SPlice
4	DEF PUMP MOTOR GROUND	TO BATTERY (-) SPlice
5	DEF PUMP MOTOR SUPPLY	TO 12 SOCKET CONNECTOR - #38
6	DEF PUMP CONTROL SIGNAL	TO 12 SOCKET CONNECTOR - #11
7	DEF PUMP REVERSE VALVE (LS)	TO BATTERY (-) SPlice
8	DEF PUMP REVERSE VALVE (HS)	TO 12 SOCKET B CONNECTOR - #8

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	DEF PRESSURE HEATED LINE (+)	TO DEF SUPPLY SPlice
2	DEF PRESSURE HEATED LINE (+)	TO 12 SOCKET CONNECTOR - #17

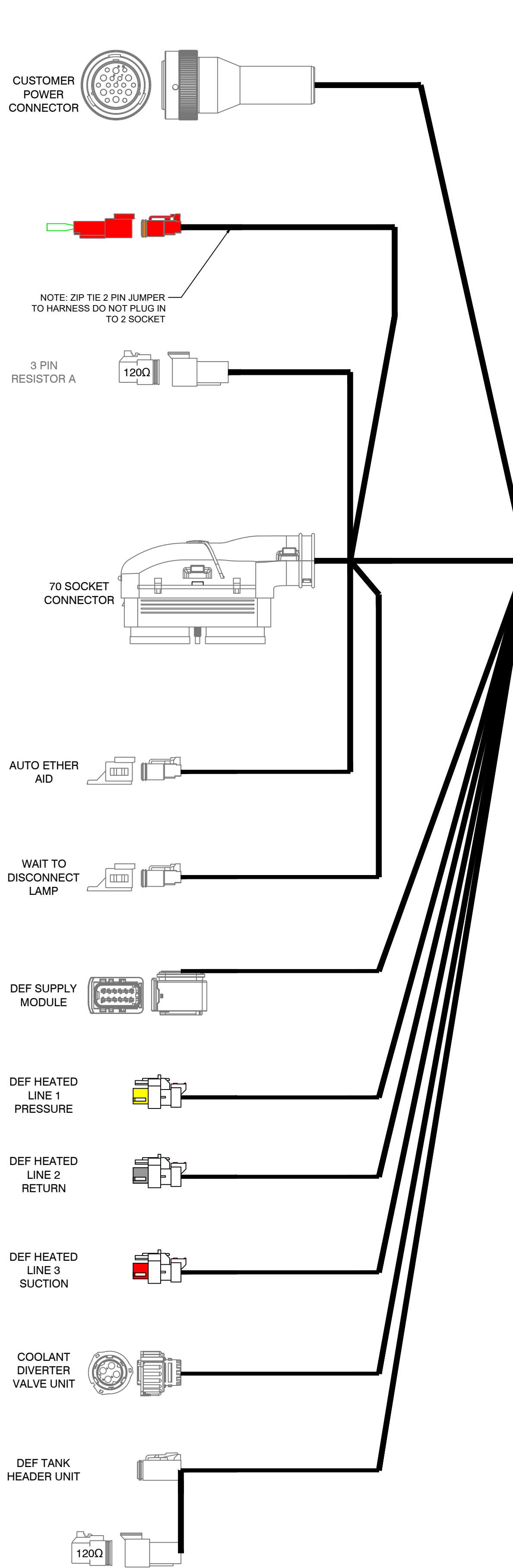
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	DEF RETURN HEATED LINE (+)	TO 12 SOCKET CONNECTOR - #19
2	DEF RETURN HEATED LINE (+)	TO 12 SOCKET CONNECTOR - #19

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	DEF SUCTION HEATED LINE (+)	TO DEF SUPPLY SPlice
2	DEF SUCTION HEATED LINE (+)	TO 12 SOCKET CONNECTOR - #24

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	COOLANT DIVERTER VALVE POWER	TO DEF SUPPLY SPlice
2	COOLANT DIVERTER VALVE GROUND	TO 12 SOCKET CONNECTOR - #30

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	CAN C (+)	TO CAN C (+) CABLE (SPR 4525)
2	CAN C (+)	TO CAN C (+) CABLE (SPR 4525)
3	DEF TANK HEADER UNIT GROUND	TO BATTERY (-) SPlice
4	DEF TANK HEADER POWER SUPPLY	TO DEF SUPPLY SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	CAN C (+)	TO CAN C (+) CABLE (SPR 4525)
2	CAN C (+)	TO CAN C (+) CABLE (SPR 4525)



#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	WATER IN FUEL SIGNAL	TO 12 SOCKET CONNECTOR - #1
2	WATER IN FUEL POWER SUPPLY	TO KEYSWITCH SPlice
3	WATER IN FUEL RETURN	TO CUSTOMER POWER CONNECTOR - #4

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	AIR INLET TEMP SENSOR SIGNAL	TO 12 SOCKET CONNECTOR - #22
2	AIR INLET TEMP SENSOR GROUND	TO CUSTOMER POWER CONNECTOR - #3

#	DESCRIPTION	TERMINATION/CONNECTION POINT
A	COOLANT LEVEL SWITCH (HS)	TO TV SUPPLY SPlice
B	COOLANT LEVEL SWITCH RETURN	TO ANALOGUE RETURN SPlice
C	COOLANT LEVEL SWITCH SIGNAL	TO 12 SOCKET CONNECTOR - #27

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	BREATHER HEATER POSITIVE	TO SPlice 1
2	BREATHER HEATER GROUND	TO BATTERY (-) SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	LOW PRESSURE LIFT PUMP GND	TO 12 SOCKET D CONNECTOR - #1
2	LOW PRESSURE LIFT PUMP GND	TO BATTERY (-) SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	GND WIRES TO BATTERY (-) POST	TO BATTERY (-) SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	BATT. WIRES BATTERY (+)	TO BATTERY (+) SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1/4	STARTER RELAY - NO	TO 12 SOCKET B CONNECTOR - #1
2	STARTER RELAY - NO	TO 12 SOCKET B CONNECTOR - #2

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1/2	ALTERNATOR EXCITE (D+)	TO 12 SOCKET B CONNECTOR - #9

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1/2	GLOW PLUG	TO 12 SOCKET D CONNECTOR - #4

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	NOX SENSOR 1 SUPPLY	TO NOX SENSOR 1 UPSTREAM - #1
2	NOX SENSOR 1 GROUND	TO NOX SENSOR 1 UPSTREAM - #4
3	NOX SENSOR 2 SUPPLY	TO NOX SENSOR 2 DOWNSTREAM - #1
4	NOX SENSOR 2 GROUND	TO NOX SENSOR 2 DOWNSTREAM - #4
5	TEMPERATURE SENSOR SUPPLY	TO DOC, DPF, SCR INLET TEMP SENSOR - #1
6	TEMPERATURE SENSOR GROUND	TO DOC, DPF, SCR INLET TEMP SENSOR - #2
7	DEF INJECTOR (HS)	TO DEF INJECTOR - #1
8	DEF INJECTOR (LS)	TO DEF INJECTOR - #2
9	CAN C (+)	TO CAN C (+) SPlice
10	CAN C (+)	TO CAN C (+) SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	TEMPERATURE SENSOR SUPPLY	TO AFTER TREATMENT CEM INTERFACE - #5
2	TEMPERATURE SENSOR GROUND	TO AFTER TREATMENT CEM INTERFACE - #6
3	CAN C (+)	TO CAN C (+) SPlice
4	CAN C (+)	TO CAN C (+) SPlice

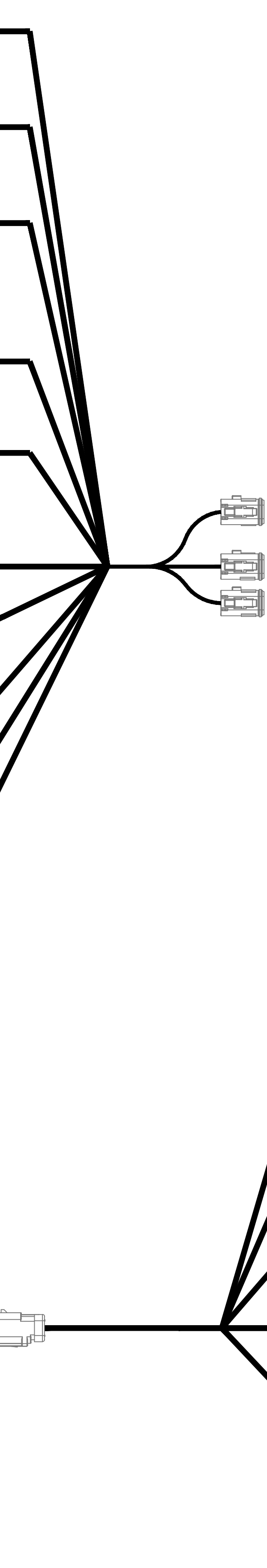
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	NOX SENSOR 1 SUPPLY	TO AFTER TREATMENT CEM INTERFACE - #7
2	NOX SENSOR 1 GROUND	TO AFTER TREATMENT CEM INTERFACE - #8

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	NOX SENSOR 2 SUPPLY	TO AFTER TREATMENT CEM INTERFACE - #3
2	NOX SENSOR 2 GROUND	TO AFTER TREATMENT CEM INTERFACE - #4
3	CAN C (+)	TO CAN C (+) SPlice
4	CAN C (+)	TO CAN C (+) SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	TEMPERATURE SENSOR SUPPLY	TO AFTER TREATMENT CEM INTERFACE - #5
2	TEMPERATURE SENSOR GROUND	TO AFTER TREATMENT CEM INTERFACE - #6
3	CAN C (+)	TO CAN C (+) SPlice
4	CAN C (+)	TO CAN C (+) SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	CAN C (+)	TO CAN C (+) SPlice
2	CAN C (+)	TO CAN C (+) SPlice

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	CAN C (+)	TO CAN C (+) SPlice
2	CAN C (+)	TO CAN C (+) SPlice



- 12 SOCKET - CUSTOMER CONNECTOR**

#	DESCRIPTION
1	REMOTE ENGINE SHUTDOWN
2	BW. COMMON FROM ECM
3	STARTER REQUEST
4	TRUCK CAN HIGH
5	TRUCK CAN LOW
6	CAN SHIELD
7	KEYSWITCH INPUT
8	CONSTANT VOLTAGE SUPPLY
9	GROUND
- 12 SOCKET 'C' KEY CONNECTOR (GREEN) - POWER**

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	LOW PLUS	TO LOW PLUS SPlice
2	LOW PLUS	TO LOW PLUS SPlice
3	LOW PLUS	TO LOW PLUS SPlice
4	LOW PLUS	TO LOW PLUS SPlice
5	LOW PLUS	TO LOW PLUS SPlice
6	BATTERY (-)	TO BATTERY (-) SPlice
7	BATTERY (-)	TO BATTERY (-) SPlice
8	BATTERY (-)	TO BATTERY (-) SPlice
9	BATTERY (-)	TO BATTERY (-) SPlice
10	BATTERY (-)	TO BATTERY (-) SPlice
11	BATTERY (-)	TO BATTERY (-) SPlice
12	BATTERY (-)	TO BATTERY (-) SPlice
- 12 SOCKET 'D' KEY CONNECTOR (BROWN) - ENGINE**

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	LOW PRESSURE LIFT PUMP (NO)	TO LOW PRESSURE LIFT PUMP - #1
2	BATTERY POSITIVE (+)	TO CUSTOMER POWER CONNECTOR - #4
3	REMOTE SHUTDOWN	TO 12 SOCKET CONNECTOR - #43
4	STARTER CONTROL RELAY COIL (+)	TO 12 SOCKET CONNECTOR - #52
5	STARTER CONTROL RELAY COIL (+)	TO 12 SOCKET CONNECTOR - #52
6	CAN (+)	TO 12 SOCKET CONNECTOR - #55
7	SCR RELAY (NO)	TO DEF SUPPLY SPlice
8	BREATHER (+) WELD (+)	TO SPlice 1
9	STARTER CONTROL REQUEST	TO 12 SOCKET CONNECTOR - #48
10	REMOTE SHUTDOWN RETURN	TO ANALOGUE RETURN 2 SPlice
11	BATTERY POSITIVE (+)	TO CUSTOMER POWER CONNECTOR - #10
12	BATTERY POSITIVE (+)	TO CUSTOMER POWER CONNECTOR - #10
- 12 SOCKET 'B' KEY CONNECTOR (BLACK) - ENGINE**

#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	STARTER RELAY - NO	TO STARTER SOLENOID 1/4" RING TERMINAL
2	STARTER RELAY - NO	TO STARTER SOLENOID 1/4" RING TERMINAL
3	LOW PRESSURE LIFT PUMP COIL (+)	TO 12 SOCKET CONNECTOR - #7
4	KEYSWITCH	TO KEYSWITCH SPlice
5	DEF RELAY COIL (+)	TO 12 SOCKET CONNECTOR - #8
6	DEF RELAY NO	TO DEF SUPPLY MODULE - #16
7	SCR RELAY (NO)	TO DEF SUPPLY SPlice
8	SCR RELAY (NO)	TO DEF SUPPLY SPlice
9	ALTERNATOR EXCITE (D+)	TO ALTERNATOR EXCITE RING TERMINAL
10	SCR RELAY COIL (+)	TO 12 SOCKET CONNECTOR - #9
11	LOW PRESSURE LIFT PUMP COIL (+)	TO 12 SOCKET CONNECTOR - #5
12	MAIN POWER RELAY COIL (+)	TO CUSTOMER POWER CONNECTOR - #13

