

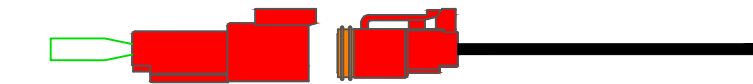
	COLOR KEY	
RED	POSITIVE/Common	
BLACK	GROUND/RETURN	
GREEN	INPUT	
BLUE	OUTPUT	
LT. BLUE	CAN-BUS/J-1939	

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

2 SOCKET CONNECTOR - OK TO ELEVATE SPEED		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	SWITCH INPUT RETURN	TO 12 SOCKET CONNECTOR C - #6
2	SWITCH INPUT RETURN	TO 70 SOCKET - #46
PK	SWITCH INPUT RETURN	PIN JUMPER - POSITION #1 TO POSITION #2

OK TO ELEVATE
START



2 SOCKET CONNECTOR - DROP TO IDLE		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	SWITCH INPUT RETURN	TO 12 SOCKET CONNECTOR C - #6
2	SWITCH INPUT RETURN	TO 70 SOCKET - #47
PK	SWITCH INPUT RETURN	PIN JUMPER - POSITION #1 TO POSITION #2

DROP TO IDLE



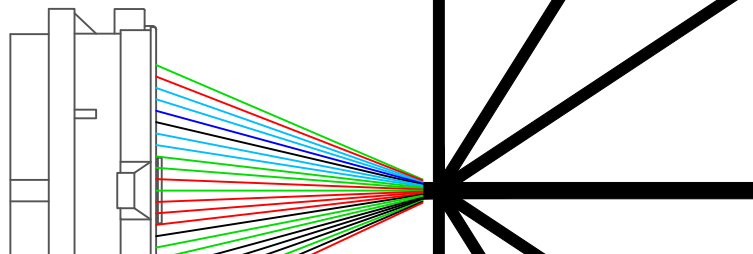
FUEL PUMP PRIME - 6 POSITION TYCO		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	FUEL PUMP PRIME - N/O	TO 12 SOCKET B CONNECTOR - #7
3	FUEL PUMP PRIME - GROUND	TO GROUND BATTERY CABLE SPLICE
4	FUEL PUMP PRIME - COIL (-)	TO 12 SOCKET B CONNECTOR - #3

FUEL PUMP
PRIME



70 SOCKET CONNECTOR		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
3	ANALOG SENSOR RETURN	TO 2 POSITION TYCO (AIR TEMP) - #2
4	DIGITAL SENSOR POWER (+5V)	TO 3 SOCKET (COOLANT LEVEL SENSOR) - A
11	AUTO ETHER AID	TO 2 SOCKET (AUTO ETHER) - #1
17	AIR TEMP	TO 2 POSITION TYCO (AIR TEMP) - #1
18	SWITCH INPUT RETURN	TO 12 SOCKET C CONNECTOR - #6
26	WAIT TO DISCONNECT LAMP (+)	TO 2 SOCKET (WAIT TO DISCONNECT) - #1
27	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
32	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
33	CONSTANT VOLTAGE CEM	TO 12 SOCKET C CONNECTOR - #4
36	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
37	FUEL RELAY - COIL (+)	TO 12 SOCKET D CONNECTOR - #3
38	FUEL RELAY - (GROUND)	TO 12 SOCKET D CONNECTOR - #4
39	FUEL RELAY - N/O	TO 12 SOCKET D CONNECTOR - #1
42	J1939 DATA LINK SHIELD	TO J1939 SPLICE - SHIELD
50	J1939 DATA LINK (+)	TO J1939 SPLICE - YELLOW
51	J1939 DATA LINK (-)	TO J1939 SPLICE - GREEN
44	REMOTE SHUTDOWN SWITCH	TO 12 SOCKET D CONNECTOR - #5
46	SWITCH INPUT RETURN	TO 2 SOCKET (OTES) - #2
47	SWITCH INPUT RETURN	TO 2 SOCKET (DTI) - #2
48	BATTERY (+) - CONSTANT VOLTAGE	TO 12 SOCKET C CONNECTOR - #1
49	COOLANT LEVEL SENSOR	TO 3 SOCKET (COOLANT LEVEL SENSOR) - C
51	WAIT TO DISCONNECT LAMP (-)	TO 2 SOCKET (WAIT TO DISCONNECT) - #2
52	BATTERY (+) - CONSTANT VOLTAGE	TO 12 SOCKET C CONNECTOR - #2
53	BATTERY (+) - CONSTANT VOLTAGE	TO 12 SOCKET C CONNECTOR - #2
55	BATTERY (+) - CONSTANT VOLTAGE	TO 12 SOCKET C CONNECTOR - #3
57	CEM	TO 12 SOCKET C CONNECTOR - #7
61	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
63	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
65	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
67	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
69	DEF TANK SUPPLY	TO 12 SOCKET B CONNECTOR - #11
70	SWITCHED VOLTAGE	TO 12 SOCKET B CONNECTOR - #1
	SWITCHED VOLTAGE	TO DATA LINK B PIN - A

70 SOCKET
ECM



2 SOCKET CONNECTOR - AUTO ETHER AID		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	AUTO ETHER AID	TO 70 SOCKET CONNECTOR - #11
2	AUTO ETHER AID	TO 12 SOCKET C CONNECTOR - #6

AUTO ETHER
AID



AIR TEMP - 2 POSITION TYCO CONNECTOR		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	AIR TEMP	TO 70 SOCKET CONNECTOR - #17
2	AIR TEMP RETURN	TO 70 SOCKET CONNECTOR - #3

AIR TEMP



2 SOCKET (BLK) - WAIT TO DISCONNECT LAMP		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	WAIT TO DISCONNECT LAMP (+)	TO 70 SOCKET CONNECTOR - #26
2	WAIT TO DISCONNECT LAMP (-)	TO 70 SOCKET CONNECTOR - #51

WAIT TO
DISCONNECT



TERMINAL [1] - START SOLENOID		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	STARTER 1 - N/O	TO 12 SOCKET D CONNECTOR - #11
11	STARTER 1 - N/O	TO 12 SOCKET D CONNECTOR - #12

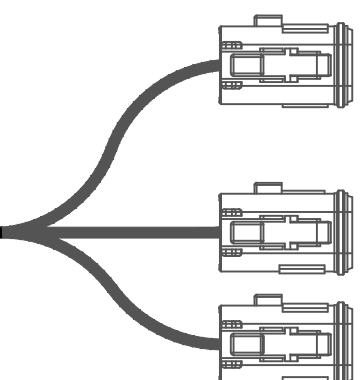
START
SOLENOID



COOLANT
LEVEL
SENSOR

3 SOCKET CONNECTOR - COOLANT LEVEL SENSOR		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
A	ANALOG SENSOR POWER (+5V)	TO 70 SOCKET CONNECTOR - #4
B	SENSOR RETURN	TO 12 SOCKET C CONNECTOR - #6
C	COOLANT LEVEL SENSOR	TO 70 SOCKET CONNECTOR - #49

TO POWER
DISTRIBUTION
MODULE



12 SOCKET - CUSTOMER CONNECTOR		
#	DESCRIPTION	
1	REMOTE ENGINE SHUTDOWN	
2	ECM SWITCH RETURN	
3	START SOLENOID	
4	EXTERNAL ALARM RELAY OUTPUT	
5	CAT DATA LINK HIGH	
6	CAT DATA LINK LOW	
7	J1939 CAN HIGH	
8	J1939 CAN LOW	
9	CAN SHIELD	
10	KEYSWITCH INPUT	
11	CONSTANT VOLTAGE SUPPLY	
12	GROUND	

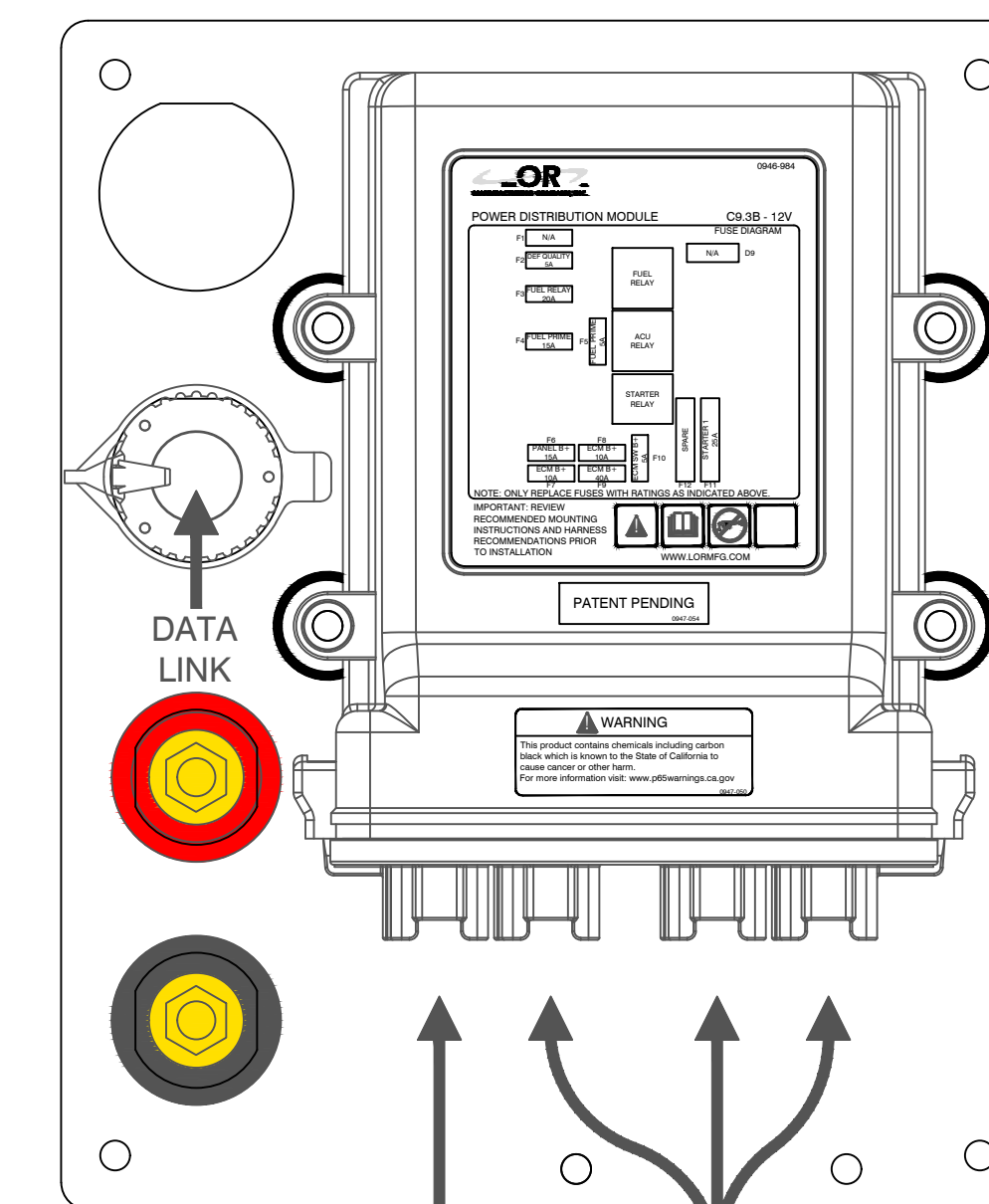
12 SOCKET 'C' KEY CONNECTOR (GREEN) - POWER		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	CONSTANT VOLTAGE	TO 70 SOCKET CONNECTOR - #48
2	CONSTANT VOLTAGE	TO 70 SOCKET CONNECTOR - #52
3	CONSTANT VOLTAGE	TO 70 SOCKET CONNECTOR - #53
4	CONSTANT VOLTAGE	TO 70 SOCKET CONNECTOR - #55
4	CONSTANT VOLTAGE CEM	TO 70 SOCKET CONNECTOR - #58
6	SWITCH INPUT RETURN	TO 70 SOCKET CONNECTOR - #19
6	SWITCH INPUT RETURN	TO 2 SOCKET (OTES) - #1
6	SWITCH INPUT RETURN	TO 2 SOCKET (DTI) - #1
6	AUTO ETHER AID INPUT RETURN	TO 2 SOCKET AUTO ETHER AID - #2
7	SENSOR RETURN	TO 3 SOCKET (COOLANT LEVEL SENSOR) - B
7	CEM	TO 70 SOCKET CONNECTOR - #57
8	BATTERY (-)	TO GROUND BATTERY CABLE SPLICE
9	BATTERY (+)	TO 6 GA. BATTERY (+) SPLICE
10	BATTERY (+)	TO 6 GA. BATTERY (+) SPLICE
11	BATTERY (+)	TO 6 GA. BATTERY (+) SPLICE
12	BATTERY (+)	TO 6 GA. BATTERY (+) SPLICE

12 SOCKET 'D' KEY CONNECTOR (BROWN) - ENGINE		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	FUEL RELAY - N/O	TO 70 SOCKET CONNECTOR - #39
3	FUEL RELAY - COIL (+)	TO 70 SOCKET CONNECTOR - #37
4	FUEL RELAY - GROUND	TO 70 SOCKET CONNECTOR - #38
5	REMOTE SHUTDOWN SWITCH	TO 70 SOCKET CONNECTOR - #44
6	CAN LOW	TO J1939 SPLICE - GREEN
7	CAN HIGH	TO J1939 SPLICE - YELLOW
8	J1939 SHIELD	TO J1939 SPLICE - SHIELD
11	STARTER 1 - N/O	TO TERMINAL 1 - #10 RING TERMINAL
12	STARTER 1 - N/O	TO TERMINAL 1 - #10 RING TERMINAL

12 SOCKET 'B' KEY CONNECTOR (BLACK) - ENGINE		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	IGNITION SWITCHED BATTERY INPUT	TO 70 SOCKET CONNECTOR - #70
3	FUEL PUMP PRIME - COIL (-)	TO FUEL PUMP PRIME 6 POSITION TYCO - #4
7	FUEL PUMP PRIME - N/O	TO FUEL PUMP PRIME 6 POSITION TYCO - #1
11	DEF TANK SUPPLY	TO 70 SOCKET CONNECTOR - #69

DATA LINK CONNECTOR - 9 PIN		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
A	SWITCHED VOLTAGE	TO 70 SOCKET CONNECTOR - #70
B	GROUND	TO GROUND BATTERY CABLE SPLICE
C	J1939 SHIELD	TO J1939 SPLICE - SHIELD
G	J1939 (+)	TO J1939 SPLICE - YELLOW
F	J1939 (-)	TO J1939 SPLICE - GREEN

C9.3B 12V POWER
DISTRIBUTION
MODULE



CUSTOMER HARNESS
CONNECTOR CONNECTORS