

Wire List

Wire #	Function	Size	End 1	End 2	Notes
A1	Alternator field power	18	Main bus	Alt field CB (inst panel)	
A2	Alternator field power	18	Alt field CB (inst panel)	Batt/Alt switch (S14 term 5)	
A3	Alternator field power	18	Batt/Alt switch (S14 term 4)	Voltage regulator A terminal	
A4	Overvoltage protection	18	Voltage regulator A terminal	OV Module 1	
A5	Alternator field	20	Voltage regulator F terminal	Alternator F terminal	
A6	Alternator test probe	22	Alternator F terminal	Alternator test probe resistor	
A7	Alternator test probe	22	Alternator test probe resistor	Alternator test probe	
A8	Stby alternator power	12	Stby alt plug	voltage regulator plug	
A9	Stby alternator power	12	Stby alt plug	voltage regulator plug	
A10	Regulated stby alt power	12	voltage regulator plug	big capacitor	
A11	Regulated stby alt power	12	big capacitor	OV relay	
A12	Regulated stby alt power	12	OV relay	Fuselink at battery	
A13	Stby Alt Control	22	Stby Alternator Switch (S7 term 2)	Stby Alt CB	
A14	Stby Alt Control	22	Stby Alt CB	Stby Alt Relay	
E1	EIS Power - Ess bus to switch	22	Ess Bus	EIS Switch	
E2	EIS Power - Switch to EIS	22	EIS Switch	EIS	
E3	EIS Power to dimmer	22	EIS Switch	EIS red lamp dimmer	
E4	EIS power to red light	22	EIS red lamp dimmer	EIS red lamp	
E5	EIS Power to MP sender	22	EIS	MP Sender	
E6	Hobbs meter and oil light power	22	Main bus	Oil pressure switch	
E7	Power to Hobbs	22	Oil pressure switch	Hobbs meter	
E8	Power for oil light	22	Oil pressure switch	Oil light	
F1	Trim Power	22		Trim Governor Red Line	
F2	Trim Servo 1	22	Trim Governor White	1A inline fuse	
F3	Trim Servo 2	22	Trim Governor White	1A inline fuse	
F4	Trim Servo 1	22	1A inline fuse	Trim Connector (C2)	
F5	Trim Servo 2	22	1A inline fuse	Trim Connector (C2)	
F6	Trim Servo 1	22	Trim Connector (C2)	Trim Servo	
F7		0	22 Trim Connector (C2)	Trim Servo	

Wire List

F8		22			
F9		22			
F10		22			
F11		22			
F12		22			
F13					
FP1	Boost Pump Power	16	Main Bus 4A fuse	Relay RLY3	
FP2	Boost Pump Power	16	Relay RLY3	Boost Pump	
FP3	Boost Pump Control	22	Main Bus 1A fuse	Stick Grip switch	
FP4	Boost Pump Control	22	Stick Grip switch	Relay RLY3 Control	
FP5	Boost Pump Control Ground	22	Relay RLY3 Control	Panel Ground	
FP6	Boost Pump Lamp Control	22	Stick Grip switch	Boost Pump Lamp - L8	
FP7	Boost Pump Ground	16	Boost Pump	Panel Ground	
FP8	Boost Pump Lamp Ground	22	Boost Pump Lamp - L8	Panel Ground	
G1	Overvoltage protection	18	OV Module 1	Panel ground	
G2	Alternator test probe	22	Alternator test probe	Panel ground	
G3	Stby alt regulator ground	12	Stby alt voltage regulator plug	Firewall ground	
G4	Stby Alt Switch Ground	22	Stby Alt Switch (S7 terminal 1)	Panel ground	
G5	Batt Master	22	Batt Master (S14 terminal 1)	Panel ground	
G6	Starter Engaged Light	? ?	Starter Engaged Lamp	Panel Ground	
G7	EIS red lamp	22	EIS red lamp	Panel Ground	
G8	Pitot Heat	14	Pitot Tube	Local Ground	
G9	EIS Red Lamp				
G10	Flap	20			
G11	Hobbs Ground	22	Hobbs	Panel ground	
G12	Oil Low Press Light Ground	22	Oil light	Panel ground	



Wire List

P2	Power to starter	2	Starter contactor	Starter	
P3	Power to main bus	4	Starter contactor	Main bus bolted terminal	
P4	Power from main bus to ess bus diode	16	Main bus	Ess bus diode	
P5	Power from ess bus diode to ess bus	16	Ess bus diode	Ess bus bolted terminal	
P6	Power from battery to bat bus	14	Batt contactor (hot side)	Bat bus bolted terminal	
P7	Batt bus to Ess bus feed switch	16	Batt bus 10a fuse	Ess bus feed switch (S13 term 1)	
P8	Ess bus feed switch to ess bus	16	Ess bus feed switch (S13 term 2)	Ess bus 10a fuse	
P9	Alternator power	4	Alternator	Big fuse	
P10	Alternator power	4	Big fuse	Starter contactor	
P11	Batt Contactor Control	22	Batt Master (S14 terminal 2)	Batt Contactor	
P12	Starter Engaged Light	? ?	Starter Contactor	Starter Engaged Lamp	
PH1	Pitot Heat	14	Main Bus 15a fuse	Pitot Heat Switch (S3, terminal 2)	
PH2	Pitot Heat	14	Pitot Heat Switch (S3, terminal 1)	Connector C1	
PH3	Pitot Heat	14	Connector C1	Pitot tube	
S1	Starter	20	Main Bus 7A fuse	S15 - Start Enable	
S2	Starter	20	S15 - Start Enable	Starter Contactor junction	
S3	Starter	20	S15 - Start Enable	Stick grip Blue/Blk	
S4	Starter	20	Stick grip Blue	Starter Contactor junction	
S5	Starter	20	Starter Contactor junction	Starter Contactor	