

WIRE NUMBER	HARNESS	COLOR	FROM	TO	1st Connector	2nd Connector	DESCRIPTION	PAGE
AP WIRE BLK	AutoPilot	BLK	Panel	AutoPilot Servo	Main D-SUB-25 Pin 11	Aux D-SUB-25 Pin 17	Connects Main D-SUB to Aux D-Sub to Servos	31-09
AP WIRE BLU	AutoPilot	BLU	Panel	Auto Pilot Servo	Main D-SUB-25 Pin 07	Aux D-Sub-25 Pin16	Connects Main D-SUB to Aux D-Sub to Servos	31-09
AP WIRE ORG	AutoPilot	ORG	Panel	AutoPilot Servo	Main D-SUB-25 N.C.		Spare wire NOT connected at Main D-SUB-25	31-09
AP WIRE RED	AutoPilot	RED	Panel	AutoPilot Servo	Main D-SUB-25 Pin 16	Aux D-SUB-25 Pin 4	Connects Main D-SUB to Aux D-Sub to Servos	31-09
AP WIRE WHT	AutoPilot	WHT	Panel	AutoPilot Servo	Main D-SUB-25 Pin 10	Aux D-SUB-25 Pin 10	Connects Main D-SUB to Aux D-Sub to Servos	31-09
AP WIRE WHT/BLK	AutoPilot	WHT/BLK	Panel	AutoPilot Servo	Main D-SUB-25 N.C.		Spare wire NOT connected at Main D-SUB-25	31-09
AP WIRE YEL	AutoPilot	YEL	Panel	AutoPilot Servo	Main D-SUB-25 Pin 08	Aux D-SUB-25 Pin 3	Connects Main D-SUB to Aux D-Sub to Servos	31-09
Cockpit Light	Single Wire	RED					Connects to WH-B179 +12V	40-11
Cockpit Light	Single Wire	BLK					Connects to WH-B180 GND	40-11
D-SUB-37					D-SUB-37 z		D-SUB-37 pins 9,10,11,23,24,30,33,37 are N.C.	
ES RS 279-374	PHONE	Ivory	PANEL	ELT	RJ-11	RJ-11	ELT REMOTE CONTROL	31-03
Landing Light - BLK	Single Wire	BLK	Right Wing Light Kit		Molex		Landing Light GND - WH-B215	40-06
Landing Light - RED	Single Wire	RED	Right Wing Light Kit		Molex		Landing Light Power - WH-B214	40-06
Landing Light - YEL	Single Wire	YEL	Right Wing Light Kit		Molex		Landing Light Pulse - WH-B213	40-06
Landing Light - BLU	Single Wire	BLU	Right Wing Light Kit		Molex		Landing Light Master Output N.C.	40-06
Nav Light RED	Single Wire	RED			Molex		Nav Light Power	40-09
Nav Light YEL	Single Wire	YEL			Molex		Nav Light Strobe	40-09
Nav Light BLK	Single Wire	BLK			Molex		Nav Light Ground	40-09
Nav Light GRN	Single Wire	GRN			Molex		Nav Light Synchronization	40-09
Landing Light - GRN	Single Wire	GRN	Right Wing Light Kit		Molex		Landing Light Master Input N.C.	40-06
ORG-19	Single Wire	ORG	Panel	Panel	Main D-SUB-25 Pin 19	Aux D-Sub-25 Pin 25	This wire does not exit panel	
WH-B148	Single Wire	WHT	Battery Buss	Power Outlet		Spade	Power wire to cigar lighter socket	31-10
WH-B167	Single Wire	WHT spliced to BLK	L. PIN SW	R. Pin SW	Butt splice	Butt splice	Connects L & R Spar-pin reed switches in series	31-06
WH-B179	Single Wire	WHT spliced to WH-L80/WH-F177	Panel	Light Rollbar Red Wire	Butt splice	Butt splice	Red led cockpit light +12V	31-07
WH-B180	Single Wire	WHT spliced to WH-L82/WH-F178	Panel	Light Rollbar BLK Wire	Butt splice	Butt splice	Red led cockpit light GND	31-07
WH-B183	Single Wires	WHT	Center tunnel	Each wing	Spade	Ring	Ground wires from wings to center tunnel	31-09
WH-B184	Single Wire	WHT	Left Wing	Right Wing	Spade	Spade	Nav Light Power L to R wing, spliced to WH-L72	31-09
WH-B211	Single Wire	WHT	Left & Right Wing		Ring	Molex	Nav Strobe GND	40-08
WH-B212	Single Wire	WHT	Left & Right Wing		Ring	Molex	Nav Strobe power wire wing	40-05
WH-B213	Single Wire	WHT	Right Wing Light Kit	WH-L73	Ring	Molex	Landing Light Pulse Power Wire - YEL	40-05
WH-B214	Single Wire	WHT	Right Wing Light Kit	WH-L88	Ring	Molex	Landing Light Power Wire - RED	40-05
WH-B215	Single Wire	WHT	Right Wing Light Kit	Right Wing Light Kit	Ring	Molex	Landing Light GND - BLK	40-04
WH-B54	Single Wire	WHT	Power Outlet	Local Ground	Spade	Ring	Ground wire for 12V power outlet	31-10
WH-F177 WH-L80	Single Wire	YEL/PRP spliced to RED	Panel	APDC LED	Main D-SUB-25 Pin 25	Soldered	AutoPilot Disconnect Positive to LED Light	31-09
WH-F178 WH-L82	Single Wire	BLK spliced to YEL/GRN	Panel	APDC LED	Main D-SUB-25 Pin 18	Soldered	AutoPilot Disconnect Negative to LED Light	31-07
WH-F188	TUNNEL	WHT	Panel	Remote Compass	D-SUB-37 Pin 36	D-SUB-9 Pin 1	EDC-10A D-Sub 9 Located in tail	31-12
WH-F189	TUNNEL	WHT / ORG	Panel	Remote Compass	D-SUB-37 Pin 17	D-SUB-9 Pin 5	EDC-10A D-Sub 9 Located in tail	31-12
WH-F190	TUNNEL	WHT / BLU	Panel	Remote Compass	D-SUB-37 Pin 18	D-SUB-9 Pin 6	EDC-10A D-Sub 9 Located in tail	31-12
WH-F191	TUNNEL	WHT / GRN	Panel	Remote Compass	D-SUB-37 Pin 19	D-SUB-9 Pin 9	EDC-10A D-Sub 9 Located in tail	31-12
WH-F50	TUNNEL	BRN/BLU spliced to BLK	Panel	SPAR PIN SW	D-SUB-37 Pin 05	Butt Splice	Spliced in conduit to reed switch	31-05
WH-F55	TUNNEL	WHT	Panel	ELT in Baggage	D-SUB-37 Pin 21		GPS DATA OUT to ELT	31-05
WH-F55 GND	Single Wire	GRN	Panel	GPS Data Shield	D-SUB-37 Pin 26	Not Connected ?	Shield is spliced to GRN at D-SUB-37	31-05
WH-F57	TUNNEL	BRN / YEL	Panel	STALL WARN	D-SUB-37 Pin 06	Spade	Spliced to WHT at wing root	31-05
WH-F58	TUNNEL	WHT / ORG	Panel	Tunnel	D-SUB-37 Pin 08	D-SUB 9 Pin 2	DATA X-FER Located near fuel flow transducer Dynon	31-14
WH-F59	TUNNEL	WHT / YEL	Panel	Tunnel	D-SUB-37 Pin 13	D-SUB-9 Pin 3	DATA X-FER Located near fuel flow transducer Dynon	31-14
WH-F60	TUNNEL	WHT / BLK	Panel	Tunnel D-SUB-9	D-SUB-37 Pin 34	D-SUB-9 Pin 5	DATA X-FER Located near fuel flow transducer Dynon	31-14
WH-F64	MUSIC	WHT	Panel	Between seats	D-SUB-37 Pin 01	1/8" Stereo Jack	Center of Jack (Shield GND at D-SUB-37)	31-14
WH-F65	MUSIC	WHT	Panel	Between seats	D-SUB-37 Pin 20	1/8" Stereo Jack	TIP of Jack (Shield GND at D-SUB-37)	31-14
WH-F66	Push to Talk	WHT	Panel	Co-Pilot CTRL Stick	D-SUB-37 Pin 03	Soldered	Co-Pilot Push to Talk switch inside CTRL stick	31-11
WH-F67	Push to Talk	WHT	Panel	Pilot CTRL Stick	D-SUB-37 Pin 02	Soldered	Pilot push-to-talk switch inside CTRL stick	31-11
WH-F78	Single Wire	WHT	Panel	APDC SW	Main D-SUB-25 Pin 9	Soldered	AUTO PILOT DISCONNECT SW	31-07
WH-F79	Single Wire	BLK	Panel	APDC SW	Main D-SUB-25 Pin 12	Soldered	AUTO PILOT DISCONNECT SW	31-07
WH-F83	Push to Talk	WHT	GND	PTT Switches	Soldered to PTT SW	Ring	PTT SW Ground wires in center tunnel	31-11
WH-L72	OPTIONAL	YEL / RED	Panel	Left Nav Lts	Main D-SUB-25 Pin 13	Spade	Nav light PWR in left wing, spliced to WH-B184	31-09
WH-L73	OPTIONAL	YEL	Panel	Right Wing	Main D-SUB-25 Pin 22	Spade	Landing Light Pulse (WB-213 Right Wing)	31-09
WH-L80 WH-F177	Single Wire	YEL/PRP spliced to RED	Panel	APDC LED	Main D-SUB-25 Pin 25	Soldered	AutoPilot Disconnect Positive to LED Light	31-07
WH-L82 WH-F178	Single Wire	BLK spliced to YEL/GRN	Panel	APDC LED	Main D-SUB-25 Pin 18	Soldered	AutoPilot Disconnect Negative to LED Light	31-07
WH-L88	OPTIONAL	YEL/BLU	Panel	Right Wing	Main D-SUB-25 Pin 20	Spade	Landing Light Steady (WB-B214 Right Wing)	31-09
WH-P30A	TRIM	WHT	Panel	Ray Allen Servo	D-SUB-37 Pin 31	Spade	Power to Ray Allen Servo + or -	31-14
WH-P30B	TRIM	WHT	Panel	Ray Allen Servo	D-SUB-37 Pin 32	Spade	Power to Ray Allen Servo + or -	31-14
WH-P30C	TRIM	WHT / ORG	Panel	Ray Allen Servo	D-SUB-37 Pin 25	Spade	Ray Allen Servo Pot	31-14

WH-P30D	TRIM	WHT / GRN	Panel	Ray Allen Servo	D-SUB-37 Pin 04	Spade	Ray Allen Servo Pot Center	31-14
WH-P30E	TRIM	WHT / BLU	Panel	Ray Allen Servo	D-SUB-37 Pin 22	Spade	Ray Allen Servo Pot	31-14
WH-P32	TUNNEL	WHT / RED	Panel	LEFT FAN	D-SUB-37 Pin 27	Butt Splice	POWER TO LEFT 80mm FAN	31-04
WH-P33	TUNNEL	WHT / RED	Panel	RIGHT FAN	D-SUB-37 Pin 28	Butt Splice	POWER TO RIGHT 80mm FAN	31-04
WH-P34	TUNNEL	RED	Panel	FUEL PUMP	D-SUB-37 Pin 29	Spade	POWER TO FUEL PUMP	31-05
WH-Q35	TUNNEL	RED	Panel	Tunnel	D-SUB-37 Pin 15	Spade	FUEL FLOW TRANSDUCER	31-04
WH-Q51	TUNNEL	BLK	Panel	Tunnel	D-SUB-37 Pin 35	Spade	FUEL FLOW TRANSDUCER	31-04
WH-Q52	TUNNEL	YEL	Panel	Tunnel	D-SUB-37 Pin 14	Spade	FUEL FLOW TRANSDUCER	31-04
WH-Q54	TUNNEL	ORG / BRN	Panel	Fuel Sending Unit	D-SUB-37 Pin 12		FUEL TANK LEVEL SENDING UNIT	31-05
WH-RV12-OAT (BLU)	OAT	BLU	OAT	Remote Compass	D-SUB-9 Pin 8	OAT	Pin 2-8 = 13.7K Ohm @ 65 Deg Varies with Temp	31-12
WH-RV12-OAT (RED)	OAT	RED	OAT	Remote Compass	D-SUB-9 Pin 7	OAT	Pin 7-8 = 23.5K Ohm @ 65 Deg Varies with Temp	31-12
WH-RV12-OAT (YEL)	OAT	YEL	OAT	Remote Compass	D-SUB-9 Pin 2	OAT	Pin 2-7 = 9.96K Ohm, Does not change with Temp	31-12
WH-RV12-SL-ANT	COAX	BLK	GARMIN SL40	COM ANT	BNC	BNC	COAX to COM antenna	31-03
WH-RV12-TX-ANT	COAX	BLK			BNC	BNC		31-03
WH-S1	MUSIC	GRN spliced to shield	Panel	Jack between seats	D-SUB-37 Pin 07	Not Connected	Shield Spliced at D-SUB-37 heat-shrink	31-14
WHT	Headset	WHT	Panel	Seat Jacks		Soldered	Headphone Jack TIP	31-10
WHT/BLK	Headset	WHT/BLK	Panel	Seat Jacks		N.C.	Not used	31-10
WHT/BLU	Headset	WHT/BLU	Panel	Seat Jacks		Soldered	Headphone Jack RING	31-10
WHT/GRN	Headset	WHT/GRN	Panel	Seat Jacks		Soldered	MIC Jack Sleeve	31-10
WHT/ORG	Headset	WHT/ORG	Panel	Seat Jacks		Soldered	MIC Jack RING	31-10