

label	awg	termination_a	wire_end_a	wire_end_b	termination_b	done
<b>100: battery, alternator, engine, main bus</b>						
101	4	6mm ring	battery negative	engine block ground terminal	6mm ring	
102	4	6mm ring	battery positive	battery isolator supply	10mm ring	
103	4	10mm ring	battery isolator load & wire 106	starter solenoid supply	6mm ring	
104	4	6mm ring	starter solenoid load & wire 114	starter motor	6mm ring	
105	10	6mm ring yellow	battery negative	common earth point engine side	8mm ring yellow	
106	10	10mm ring yellow	battery isolator load & wire 103	ammeter shunt battery end	5mm ring yellow	
107	10	5mm ring yellow	ammeter shunt bus end	30A breaker (battery) supply	3.5mm ring yellow	
108	10	3.5mm ring yellow	30A breaker (battery) load	terminal strip 1 (battery)	4mm ring yellow	
109	10	4mm ring yellow	master switch load	terminal strip 3 (fuseblocks)	4mm ring yellow	
110	20	6.35mm blade female red	Bus A 2	starter switch supply	3mm ring red	
111	20	3mm ring red	starter switch load	starter solenoid coil & diode cathode	6.35mm blade female red	
112	20	5mm ring red	starter solenoid case & diode anode	common earth point engine side	6.35mm blade female red	
113	10	4mm ring yellow	terminal strip 1 (battery)	master switch supply	4mm ring yellow	
114	22	6mm ring red	starter solenoid load & wire 104	fuseholder supply (starter warn, 1A)	6.35mm blade female red	
115	22	6.35mm blade female red	fuseholder load (starter warn, 1A)	LED 12V +ve starter engaged	butt splice red	
116	22	butt splice red	LED 12V -ve starter engaged	common earth point cockpit side	6.35mm blade female red	
117	12	3.5mm ring yellow	30A breaker (alternator) load	terminal strip 2 (alternator)	4mm ring yellow	
118	12	5mm ring yellow	GR6 heatsink	common earth point engine side	6.35mm blade female yellow	
119	22	6.35mm blade female red	GR6 green	LED 12V -ve alternator fail	butt splice red	
120	22	butt splice red	LED 12V +ve alternator fail	fuseholder supply (alt warn, 0.5A)	6.35mm blade female red	
121	22	6.35mm blade female red	fuseholder load (alt warn, 0.5A)	Capacitor 22000 $\mu$ F +ve, wire 122, wire 123,	5mm ring red	
122	20	6.35mm blade female red	GR6 red thin	Capacitor 22000 $\mu$ F +ve, wire 121, wire 123,	5mm ring red	
123	12	6.35mm blade female yellow	GR6 red thick	Capacitor 22000 $\mu$ F +ve, wire 121, wire 122,	5mm ring yellow	
124	12	5mm ring yellow	Capacitor 22000 $\mu$ F -ve	common earth point engine side	6.35mm blade female yellow	
125	12	5mm ring yellow	Capacitor 22000 $\mu$ F +ve, wire 121, wire 122,	relay 87 (contact supply)	6.35mm blade female yellow	
126	20	6.35mm blade female red	relay 86 (coil supply)	Bus A 1	6.35mm blade female red	
127	12	6.35mm blade female yellow	relay 30 (contact load) & crowbar red	30A breaker (alternator) supply	3.5mm ring yellow	
128	22	6.35mm blade female red	relay 85 (coil earth), wire 130	LED 12V +ve crowbar warning	butt splice red	
129	22	butt splice red	LED 12V -ve crowbar warning	common earth point cockpit side	6.35mm blade female red	
130	20	6.35mm blade female red	relay 85 (coil earth), wire 128	5A breaker supply & crowbar black	6.35mm blade female red	
131	20	6.35mm blade female red	5A breaker earth	common earth point engine side	6.35mm blade female yellow	
132	10	4mm ring yellow	terminal strip 1 (battery)	master switch supply	4mm ring yellow	
133	10	4mm ring yellow	master switch load	terminal strip 3 (fuseblocks)	4mm ring yellow	
134	12	4mm ring yellow	terminal strip 2 (alternator)	alternator switch supply	4mm ring yellow	

label	awg	termination_a	wire_end_a	wire_end_b	termination_b	done
135	12	4mm ring yellow	terminal strip 2 (alternator)	alternator switch supply	4mm ring yellow	
136	12	4mm ring yellow	alternator switch load	terminal strip 3 (fuseblocks)	4mm ring yellow	
137	12	4mm ring yellow	alternator switch load	terminal strip 3 (fuseblocks)	4mm ring yellow	
139	10	4mm ring yellow	terminal strip 3 (fuseblocks)	fuseblock A supply	5mm ring yellow	
140	10	4mm ring yellow	terminal strip 3 (fuseblocks)	fuseblock B supply	5mm ring yellow	
141	10	4mm ring yellow	terminal strip 3 (fuseblocks)	fuseblock C supply	5mm ring yellow	

## 200: lighting, strobes, power outlet, fan

201	12	6.35mm blade female yellow	Bus A 2	strobe switch supply	6.35mm blade female yellow	
202	12	6.35mm blade female yellow	strobe switch load	strobe PSU power white/red	6.35mm blade female yellow	
203	22	6.35mm blade female red	strobe switch earth	common earth point cockpit side	6.35mm blade female red	
204	12	6.35mm blade male yellow	strobe PSU ground white/black	common earth point cockpit side	6.35mm blade female yellow	
205	10	6.35mm blade female yellow	Bus A 7	3/8" x 16 UNC terminal post	10mm ring yellow	
206	10	6.35mm blade female yellow	panel power outlet socket ground	common earth point cockpit side	6.35mm blade female yellow	
207	20	6.35mm blade female red	Bus B 8	fan switch supply	6.35mm blade female red	
208	20	6.35mm blade female red	fan switch load	fan red	6.35mm blade female red	
209	22	6.35mm blade female red	fan switch earth	common earth point cockpit side	6.35mm blade female red	
210	20	6.35mm blade male red	fan black	common earth point cockpit side	6.35mm blade female red	
211	18	6.35mm blade female red	Bus B 9	Cinch terminal block	3mm ring red	
212	18	butt splice red	USB single power outlet earth	common earth point cockpit side	6.35mm blade female red	
213	10	10mm ring yellow	3/8" x 16 UNC terminal post	panel power outlet supply	6.35mm blade female yellow	
214	12	10mm ring yellow	3/8" x 16 UNC terminal post	roof power outlet supply	6.35mm blade female yellow	
215	12	6.35mm blade female yellow	roof power outlet earth	common earth point cockpit side	6.35mm blade female yellow	
216	18	3mm ring red	Cinch terminal block	USB double power outlet supply	6.35mm blade female red	
217	18	6.35mm blade female red	USB double power outlet earth	common earth point cockpit side	6.35mm blade female red	

## 300: instruments

301	22	butt splice red	FF-1 DE-09 pin 6 red & wire 322 & wire 323 &	fuel level sensor amplifier supply	6.35mm blade female red	
302	22	butt splice red	FF-1 DE-09 pin 1 black & wire 319 & wire 320	fuel level sensor amplifier GND	6.35mm blade female red	
303	22	6.35mm blade male red	fuel level sensor amplifier O-P	FF-1 DB9 pin 2 orange	butt splice red	
304	22	4mm ring red	ammeter shunt battery end sense	fuseholder supply (ammeter, 1A)	6.35mm blade female red	
305	22	4mm ring red	ammeter shunt bus end sense	fuseholder supply (ammeter, 1A)	6.35mm blade female red	
306	22	6.35mm blade female red	fuseholder load (ammeter, 1A)	BAT-1 DE-09 pin 3 green	butt splice red	
307	22	6.35mm blade female red	fuseholder load (ammeter, 1A)	BAT-1 DE-09 pin 2 orange	butt splice red	
308	22	butt splice red	BAT-1 DE-09 pin 1 black	common earth point cockpit side	6.35mm blade female red	
309	22	butt splice red	BAT-1 DE-09 pin 6 red & LED +ve	Bus B 4	6.35mm blade female red	

label	awg	termination_a	wire_end_a	wire_end_b	termination_b	done
310	22	solder bucket	CSC-1 DA-15 pin 4 & wire 805	E-3 lower DE-09 pin 5 blue	butt splice red	
311	20	6.35mm blade female red	Tachometer red	Bus A 9	6.35mm blade female red	
312	20	6.35mm blade male red	Tachometer black & 270Ω & wire 344	common earth point cockpit side	6.35mm blade female red	
313	22	4.8mm blade female red	Hourmeter tab 3	Bus A 10	6.35mm blade female red	
314	22	4.8mm blade female red	Hourmeter tab 2	common earth point cockpit side	6.35mm blade female red	
315	22	butt splice red	E-3 lower DE-09 pin 6 red & LED +ve	Bus B 2	6.35mm blade female red	
316	22	butt splice red	E-3 lower DE-09 pin 1 black	common earth point cockpit side	6.35mm blade female red	
317	22	butt splice red	E-3 lower DE-09 pin 2 orange	CHT stbd aft (cyl 3)	6.35mm blade female red	
318	22	butt splice red	E-3 lower DE-09 pin 3 green	CHT port fwd (cyl 2)	6.35mm blade female red	
319	22	butt splice red	FF-1 DE-09 pin 1 black & wire 302 & wire 320	common earth point cockpit side	6.35mm blade female red	
320	22	butt splice red	FF-1 DE-09 pin 1 black & wire 302 & wire 319	201A-6 black	6.35mm blade male red	
321	22	butt splice red	FF-1 DE-09 pin 5 blue & 5k6	201A-6 white	6.35mm blade male red	
322	22	butt splice red	FF-1 DE-09 pin 6 red & wire 301 & wire 323 &	201A-6 red	6.35mm blade female red	
323	22	butt splice red	FF-1 DE-09 pin 6 red & wire 301 & wire 322 &	Bus B 7	6.35mm blade female red	
325	24	crimp insert	UMA pressure gauge DE-09 pin 3	UMA pressure sender orange/white	6.35mm blade female red	
326	24	crimp insert	UMA pressure gauge DE-09 pin 5	UMA pressure sender white	6.35mm blade female red	
327	24	crimp insert	UMA pressure gauge DE-09 pin 8 & screen	UMA pressure sender blue/white	6.35mm blade male red	
328	24	solder sleeve 7/32"	UMA pressure gauge DE-09 pin 8 & wire 327	UMA pressure sender screen	solder sleeve 7/32"	
329	22	crimp insert	UMA pressure gauge DE-09 pin 1	Bus B 5	6.35mm blade female red	
330	22	crimp insert	UMA pressure gauge DE-09 pin 9	common earth point cockpit side	6.35mm blade female red	
331	22	butt splice red	RTC-2 DE-09 pin 1 black	common earth point cockpit side	6.35mm blade female red	
332	22	butt splice red	RTC-2 DE-09 pin 2 orange	OAT sensor red	6.35mm blade female red	
333	22	6.35mm blade male red	OAT sensor green/black	common earth point cockpit side	6.35mm blade female red	
334	22	butt splice red	RTC-2 DE-09 pin 6 red & LED +ve	Bus B 1	6.35mm blade female red	
335	22	butt splice red	TP-1 DE-09 pin 1 black	common earth point cockpit side	6.35mm blade female red	
336	22	butt splice red	TP-1 DE-09 pin 2 orange	oil temperature sensor	6.35mm blade female red	
337	22	butt splice red	TP-1 DE-09 pin 3 green	oil pressure sensor	3mm ring red	
338	22	butt splice red	TP-1 DE-09 pin 6 red & LED +ve	Bus B 3	6.35mm blade female red	
343	22	6.35mm blade female red	Tachometer white & 270Ω & wire 805	Alternator tacho output	6.35mm blade male red	
344	22	6.35mm blade male red	Tachometer black & 270Ω & wire 312	Alternator tacho output	6.35mm blade male red	

#### 400: comm radio

401	18	solder bucket	ATR833 DB-25 pin 11 & 12, power	Bus C 1	6.35mm blade female red	
402	18	solder bucket	ATR833 DB-25 pin 13 & 25, ground	common earth point cockpit side	6.35mm blade female red	
407	22	solder bucket	ATR833 DB-25 pin 2 & wire 409	P1 headphone socket tip	solder tag	
408	22	solder bucket	ATR833 DB-25 pin 3 & wire 410	P1 headphone socket sleeve	solder tag	

label	awg	termination_a	wire_end_a	wire_end_b	termination_b	done
409	22	solder bucket	ATR833 DB-25 pin 2 & wire 407	P2 headphone socket tip	solder tag	
410	22	solder bucket	ATR833 DB-25 pin 3 & wire 408	P2 headphone socket sleeve	solder tag	
411	22	solder bucket	ATR833 DB-25 pin 19, mic L std	P1 mic socket ring	solder tag	
412	22	solder bucket	ATR833 DB-25 pin 6, mic L gnd	P1 mic socket sleeve	solder tag	
413	22	solder bucket	ATR833 DB-25 pin 18, mic R std	P2 mic socket ring	solder tag	
414	22	solder bucket	ATR833 DB-25 pin 14, mic R gnd	P2 mic socket sleeve	solder tag	
415	22	6.35mm blade female red	connexion in port control column	P1 PTT	solder tag	B
416	22	solder bucket	ATR833 DB-25 pin 15 & wire 415	P1 mic socket tip	solder tag	
417	22	solder bucket	ATR833 DB-25 pin 17 & wire 418	P2 PTT	3mm ring red	
418	22	solder bucket	ATR833 DB-25 pin 17 & wire 417	P2 mic socket tip	solder tag	
419	22	solder bucket	ATR833 DB-25 pin 4, EXT-NF & wire 420	NTE4 black	6.35mm blade male red	
420	22	solder bucket	ATR833 DB-25 pin 4, EXT-NF & wire 419	SmartASS white	6.35mm blade male red	
421	22	solder bucket	ATR833 DB-25 pin 1, LSP(+)	Maplin in-line female connector GZ98	crimp insert Molex	
422	22	solder bucket	ATR833 DB-25 pin 16, LSP(-)	Maplin in-line female connector GZ98	crimp insert Molex	
423	22	solder bucket	ATR833 DB-25 pin 5, mic R dyn	common earth point cockpit side	6.35mm blade female red	
424	22	solder bucket	ATR833 DB-25 pin 8, mic L dyn	common earth point cockpit side	6.35mm blade female red	
425	22	solder bucket	ATR833 DB-25 pin 7, intercom	common earth point cockpit side	6.35mm blade female red	
426	22	solder bucket	ATR833 DB-25 pin 9, data Rx	flying lead		
427	22	solder bucket	ATR833 DB-25 pin 21, data gnd	flying lead		
428	22	solder bucket	ATR833 DB-25 pin 22, data Tx	flying lead		
430	22	solder tag	P1 PTT	connexion in port control column	6.35mm blade female red	A
431	22	3mm ring red	P2 PTT	common earth point cockpit side	6.35mm blade female red	
433	22	crimp insert Molex	Maplin in-line male connector GZ99 (Tamiya)	audio out sockets	solder tag	
434	22	crimp insert Molex	Maplin in-line male connector GZ99 (Tamiya)	audio out sockets	solder tag	
435	22	6.35mm blade male red	connexion in port control column	common earth point cockpit side	6.35mm blade female red	
436	22	6.35mm blade female red	ATR833 DB-25 pin 15 & wire 416	ATR833 DB-25 pin 15 & wire 416	solder bucket	

### 500: navigation, wing leveller, transponder

501	24	crimp insert	TT21 DB-25 pin 1, ground	TC20 DB-9 pin 1, ground	crimp insert	A
502	24	crimp insert	TT21 DB-25 pin 2, TMAP1A	TC20 DB-9 pin 2, TMAPA	crimp insert	A
503	24	crimp insert	TT21 DB-25 pin 3, TMAP1B	TC20 DB-9 pin 3, TMAPB	crimp insert	A
504	24	crimp insert	TT21 DB-25 pin 5, GPS in	TRX-2000 port 1 pin 6 green-white	butt splice red	A
505	20	crimp insert	TT21 DB-25 pin 11, controller power out	TC20 DB-9 pin 8, power in	crimp insert	A
506	20	crimp insert	TT21 DB-25 pin 12, ground	TC20 DB-9 pin 9, ground	crimp insert	A
507	24	crimp insert	TT21 DB-25 pin 13, power on	TC20 DB-9 pin 7, remote on	crimp insert	A
508	20	crimp insert	TT21 DB-25 pin 14, ground	common earth point cockpit side	6.35mm blade female red	A

label	awg	termination_a	wire_end_a	wire_end_b	termination_b	done
509	20	crimp insert	TT21 DB-25 pin 15, power	Bus C 2	6.35mm blade female red	A
510	20	solder bucket	DT2 DA-15 pin 1	wing leveller disconnect switch load	6.35mm blade female red	
511	20	6.35mm blade female red	wing leveller disconnect switch supply	Bus A 8	6.35mm blade female red	
512	22	6.35mm blade female red	wing leveller disconnect switch earth	common earth point cockpit side	6.35mm blade female red	
513	22	solder bucket	DT2 DA-15 pin 3	GPSmap 296 blue	butt splice red	
514	20	butt splice red	GPSmap 296 black	common earth point cockpit side	6.35mm blade female red	
515	24	solder bucket	DT2 DA-15 pin 7	roll servo DE-09 pin 6	solder bucket	
516	20	solder bucket	DT2 DA-15 pin 8	common earth point cockpit side	6.35mm blade female red	
517	20	solder bucket	DT2 DA-15 pin 9	roll servo DE-09 pin 1	solder bucket	
518	24	solder bucket	DT2 DA-15 pin 11	roll servo DE-09 pin 4	solder bucket	
519	24	solder bucket	DT2 DA-15 pin 12	roll servo DE-09 pin 5	solder bucket	
520	24	solder bucket	DT2 DA-15 pin 13	roll servo DE-09 pin 2	solder bucket	
521	24	solder bucket	DT2 DA-15 pin 14	roll servo DE-09 pin 3	solder bucket	
522	20	solder bucket	DT2 DA-15 pin 15	roll servo DE-09 pin 9	solder bucket	
523	20	butt splice red	GPSmap 296 red	Bus C 3	6.35mm blade female red	
524	22	6.35mm blade male red	NTE4 red	common earth point cockpit side	6.35mm blade female red	
525	22	6.35mm blade male red	NTE4 white	common earth point cockpit side	6.35mm blade female red	
526	22	6.35mm blade female red	NTE4 yellow	TRX-2000 port 1 pin 4 blue-white	butt splice red	
527	20	butt splice red	TRX-2000 port 1 Pin 1 brown & pin 2 brown-	Bus C 5	6.35mm blade female red	
528	20	butt splice red	TRX-2000 port 1 Pin 7 orange & pin 8 orange-	common earth point cockpit side	6.35mm blade female red	
529	20	butt splice red	SmartASS DA-15 red	Bus C 4	6.35mm blade female red	
530	20	butt splice red	SmartASS DA-15 black	common earth point cockpit side	6.35mm blade female red	
531	20	butt splice red	GPSmap 296 black	DE-09 connector for FF-1, pin 5	solder bucket	
532	22	butt splice red	GPSmap 296 blue	DE-09 connector for FF-1, pin 2	solder bucket	

## 600: trim & stall warner

602	22	4mm ring red	terminal strip 1 (battery)	fuseholder supply (trim, 1A)	6.35mm blade female red	
603	22	6.35mm blade female red	fuseholder load (trim, 1A)	trim disconnect switch supply	6.35mm blade female red	
604	22	6.35mm blade female red	trim disconnect switch earth	common earth point cockpit side	6.35mm blade female red	
605	22	butt splice red	Mac trim indicator black/white	common earth point cockpit side	6.35mm blade female red	
606	22	butt splice red	Matronics Governor black (in r-bk-w-w bunch)	common earth point cockpit side	6.35mm blade female red	
607	22	6.35mm blade female red	connexion in port control column	stick trim switch (up)	solder tag	B
608	22	6.35mm blade female red	connexion in port control column	stick trim switch (down)	solder tag	B
609	22	6.35mm blade female red	connexion in port control column	stick trim switch (common)	solder tag	B
610	22	4mm ring red	terminal strip 1 (battery)	fuseholder supply (stall warner, 1A)	6.35mm blade female red	
611	22	6.35mm blade female red	connexion in port control column	Matronics Governor green (in bk-y-bl-gn	butt splice red	

label	awg	termination_a	wire_end_a	wire_end_b	termination_b	done
612	22	6.35mm blade female red	connexion in port control column	Matronics Governor blue (in bk-y-bl-gn bunch)	butt splice red	
613	22	6.35mm blade female red	connexion in port control column	Matronics Governor yellow (in bk-y-bl-gn	butt splice red	

### 700: fuel pump

701	20	6.35mm blade female red	Bus A 4	fuel pump switch supply	6.35mm blade female red	
702	20	6.35mm blade female red	fuel pump switch load	fuel pump supply red	6.35mm blade female red	
703	22	6.35mm blade female red	fuel pump switch earth	common earth point cockpit side	6.35mm blade female red	
704	20	6.35mm blade male red	fuel pump ground black & case earth	common earth point cockpit side	6.35mm blade female red	

### 800: prop control

801	20	solder bucket	CSC-1 DA-15 pin 10	MPS-1 white	butt splice red	
802	20	solder bucket	CSC-1 DA-15 pin 9	MPS-1 black	butt splice red	
803	20	solder bucket	CSC-1 DA-15 pin 8	Bus A 6	6.35mm blade female red	
804	20	solder bucket	CSC-1 DA-15 pin 7	common earth point cockpit side	6.35mm blade female red	
805	20	solder bucket	CSC-1 DA-15 pin 4 & wire 310	Tachometer white & 270Ω & wire 343	6.35mm blade female red	
806	20	solder bucket	CSC-1 DA-15 pin 3	MPS-1 red	butt splice red	
807	18	crimp insert Molex	CSC-1 4-way pin 4	Bus A 5	6.35mm blade female red	
808	18	crimp insert Molex	CSC-1 4-way pin 1	common earth point cockpit side	6.35mm blade female red	