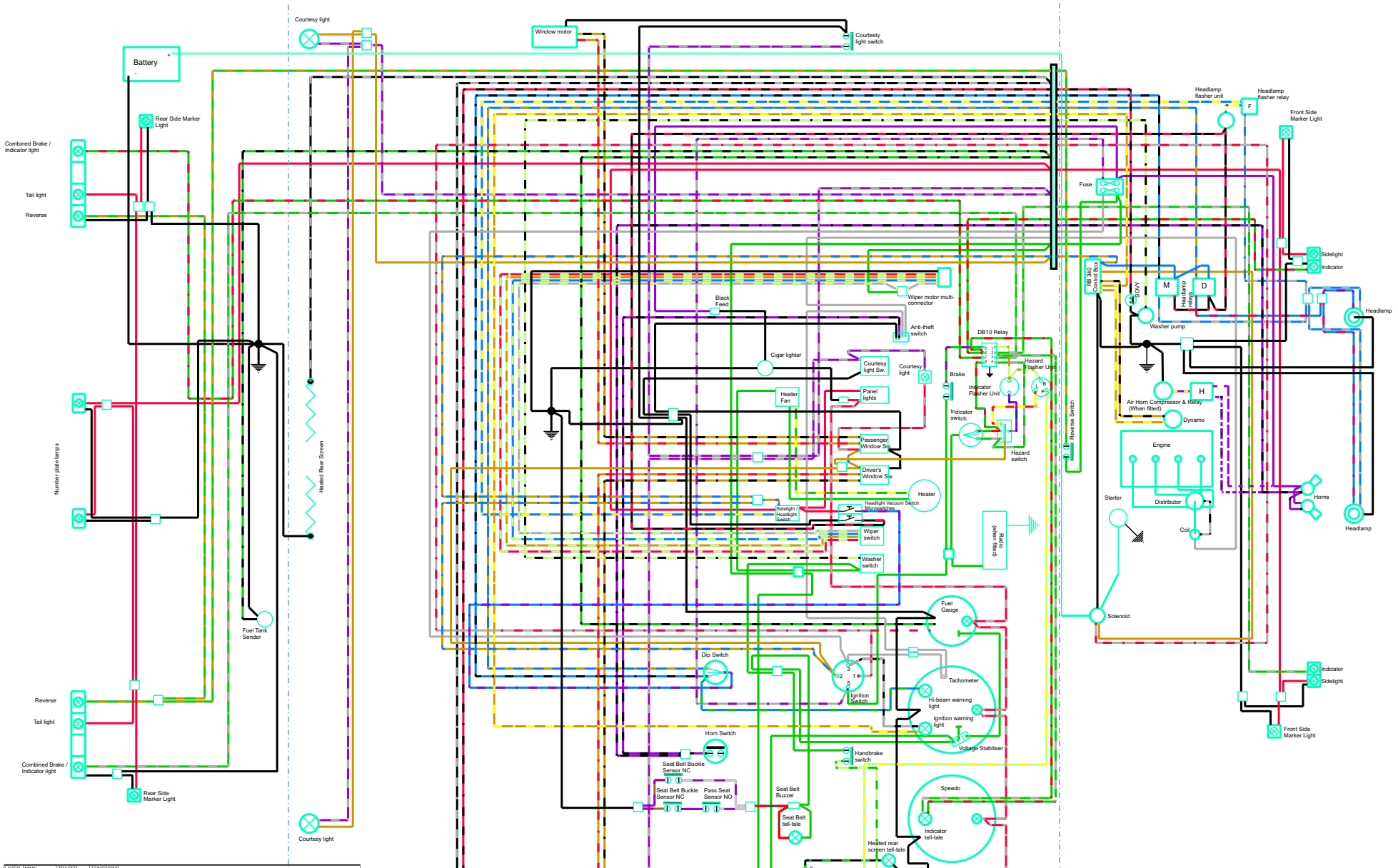
LOTUS ELAN S4/Sprint Federal Wiring Diagram



LAYER	MAIN	TRACER	FUNCTIONS
E	Black		All earth connections - ground, ALWAYS!
Eg	Black	Green	Heated rear screen switch to heated rear screen indicator
Er	Black	Red	Headlamp relays to headlamp microswitch
Ew	Black	White	Heated rear screen
U	Blue		Lighting switch - control box to headlamp relays
Ub	Blue	Black	High Beam - headlamp dip switch to high beam relay
Ub	Blue	Brown	Low Beam - headlamp dip switch to low beam relay
Ug	Blue	Green	Headlamp dip switch to high beam indicator light
Ulg	Blue	Light Green	Windscreen wiper switch to motor
Up	Blue	Purple	Headlamp switch to headlamp dip switch (high/low)
Ur	Blue	Red	Headlamp flasher unit to headlamp flasher microswitch
Uw	Blue	White	High beam - headlamp relay to light
Uy	Blue	Yellow	Headlamp switch to headlame flasher relay
N	Brown		Hot all time, unfused. Main battery lead, control box to solenoid & rear courtesy lights Ignition switch (pos.1) to window switches and hazard flash unit
Nu	Brown	Blue	Control box (compensator voltage control only) to ignition switch and lighting switch (feed)
Ng	Brown	Green	Dynamo 'F' to control box 'F'
Nlg	Brown	Light Green	Window switches to window motors
Nr	Brown	Red	Window switches to window motors
Nw	Brown	Yellow	Dynamo to control box to 'no charge' warning light
G	Green		Hot with ignition on, fused. Accessories fused via ignition switch; Fuse box to reverse switch, wiper motor, heated rear screen switch, heater fan switch, heater switch to heater fan, washer switch (connects to white/lightgreen), independent flasher unit brake failure warning light, handbrake switch, brake lights switch, voltage stabilizer, voltage stabilizer to fuel gauge, hazard switch to turn signal switch, ignition switch (pos. 4) to radio.
Gb	Green	Black	Fuel gauge to fuel tank sender unit or changeover switch or voltage stabilizer to tank sender
Gn	Green	Brown	Switch to reverse lamps
Gp	Green	Purple	Stop lamp switch to stop lamps, or stop lamp switch to lamp failure unit, indicator flasher unit to indicator warning light
Gr	Green	Red	Indicator stalk to left hand indicators
Glw	Green		Indicator stalk to right hand indicators
Gy			Heater motor to switch single speed (or to "slow" on two or three speed motor)

LAYER	MAIN	TRACER	FUNCTIONS
Lg	Light Green		Hazard flasher switch to hazard flasher unit
Lgb	Light Green	Black	Windscreen washer switch to washer pump
Lgu	Light Green	Brown	Indicator flasher unit to indicator stalk
Lgg	Light Green	Green	Handbrake switch to handbrake warning light
Lgy	Light Green	Yellow	Hazard flasher switch to warning light
P	Purple		Hot all the time, fused. Accessories fed directly from battery via fuse (incl. horn & cigar lighter)
Pb	Purple	Black	Horn to horn push, anti-theft switch to horn
Pw	Purple	White	Interior lights to switch (subsidiary circuit door safety lights to switch)
Py	Purple	Yellow	Horn to horn relay
R	Red		Main feed to all running lights mastered by sidelamp switch. Sidelights and number plate lights.
Rb	Red	Black	Brake servo warning light indicator, servo to warning light, brake failure warning light test switch to light
Rlg	Red	Light Green	Windscreen wiper switch to motor
Rw	Red	White	Dash lights, panel switch to cigar lighter, window switch power lead to dash courtesy light.
W	White		Hot with ignition on, unfused. Ignition switch (pos. 2) to coil, ignition warning light, fuse box (for green) anti-theft switch between ignition switch and fuse box
Wu	White	Blue	Headlamp flasher relay to high beam lights circuit
Wr	White	Red	Starter switch to starter solenoid
Wp	White	Purple	Ignition switch (pos. 4) to fuse box (for purple)
Wlg	White	Light Green	Windscreen wiper switch to motor
Wb	White	Black	Ignition coil contact breaker to distributor contact breaker
Yu	Yellow	Blue	Headlamp flasher relay to headlamp flasher unit

N O T E
this drawing has been done from information received and has been done accordingly it has also been drawn in 'good faith' that it shall be freely distributed and no charge shall be imposed.....on this basis any mis-information or additional details shall be re-ported to the originator so that the drawing may be revised accordingly.....
please contact gareth.flanagan@burohappold.com

Federal wiring modifications added 02/2021
By: Phil Harrison (pph@lionheartsolutions.com)
Version 1.01
Last Update: 03/07/2021