



Lucas wire standard color codes

Used by the British auto industry. Understanding and using the Lucas code for rewiring and equipment additions makes electrical system troubleshooting a lot easier in the future.

Black **All ground connections**
Black/green Relay to radiator fan motor, wiper motor

Blue **Headlamp connections**
Blue Headlamp switch to dimmer switch
Blue/white Headlamp high beam
Blue/white High beam dimmer switch to indicator lamp
Blue/white Dimmer switch to long range driving lamp switch
Blue/red Headlight low beam

Brown **Main feed from batt. No switches or fuses**
Brown/yellow Generator to voltage regulator
Brown/blue Power feed to headlamp sw.
Brown/white Ammeter to main alternator terminal
Brown/yellow Long range driving light switch to light
Brown/yellow Alternator to no charge warning lamp
Brown/purple Alternator regulator feed
Brown/green Fuse to horn (no relay)
Brown/black Horn to horn button (no relay)

Green **Ignition circuit, additional switches or fused circuits, wipers**
Green/black Fuel gauge to sending unit
Green/blue Water temperature gauge to sender
Green/red Turn signal switch to left side flasher lamps
Green/purple Brake lamp switch to brake lamps
Green/white Turn signal switch to right side flasher lamps
Green/yellow Heater switch to heater motor
Lt. green power to flasher, voltage stabilizer
Lt. green/blue Turn signal switch to left direction indicator
Lt. green/brown Turn signal switch to flasher unit
Lt. green/purple Turn signal lamp to single turn signal indicator or to right direction indicator

Purple **Accessories fed directly from battery via fuse**
Purple/brown Horn fuse to horn when horn separately fused
Purple/red Switches to map lamp, under hood lamp, glove box lamp, trunk lamp when fed directly from batt.

Red **Tail lamps, instrument lamps and side markers**
Red/yellow Fog lamp switch to fog lamp
Red/Blue Fog lamp fuse to fog lamp
Red/white Fuse to instrument lamp switch, instrument panel lamps
Red/Lt. green Power to wiper motor

White **Ignition circuit, no additional switches, not fused**
White Power to ignition coil, Electric fuel pump
White/black Ignition coil to distributor
White/brown Oil pressure switch to warning lamp
White/pink Ignition switch to radio fuse
White/red Ignition switch or starter switch to starter solenoid
Yellow Generator connections wired through the ignition switch
Yellow/green Generator and alternator F to regulator F

When Making 'Bullet' Connector Connections...

Most problems with Lucas electrical systems can be traced to oxidized bullet connectors. When you press bullet connectors into a sleeve connector, use a bit of dielectric grease to keep moisture off the connection. Make sure grounds are clean too.

