



British Standard (1963) BS-AU7 and Amended (1983) BS-AU7a Automotive Wiring Colours

The British Standard BS-AU7 was based on the original Lucas wiring 7 colour set of plain colours - Black (B), Brown (N), White (W), Purple (P), Green (G), Red (R) and Blue (U). Other colors were adopted and used according to equipment specifications - Yellow (Y), Light Green (LG), Pink (K), Slate (S), Orange (O). The plain colours were then supplemented by a further group using a base colour with a thin tracer line (stripe) of a different colour that denote their purpose.

Black - All earth (ground) connections			
MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Black	Brown	Tachometer generator to tachometer	
Black	Blue	Tachometer generator to tachometer	
Black	Red	Electric or electronic speedometer to sensor	
Black	Pink	NA	
Black	Slate	NA	
Black	Purple	Temperature switch to warning light	
Black	Green	Relay to radiator fan motor	Screenwiper switch to screenwiper (single speed) relay to radiator fan motor
Black	Light Green	Vacuum brake switch or brake differential pressure valve to warning light and/or buzzer	
Black	White	Brake fluid level warning light to switch and handbrake switch, or radio to speakers	
Black	Yellow	Electric speedometer	
Black	Orange	Radiator fan motor to thermal switch	
Blue - Lighting switch to dip switch to headlamps			
MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Blue	Brown	Headlamp relay to headlamp fuse	NA
Blue	Red	Dip switch to headlamp dip beam fuse	Dip switch to headlamp dip beam
Blue	Red	Fuse to right-hand dip headlamp	Headlamp dip beam fuse to right-hand headlamp (when independently fused)
Blue	Light Green	Headlamp wiper motor to headlamp wash pump motor	Screenwiper motor to switch
Blue	White	Dip switch to headlamp main beam fuse	Dip switch to main beam (subsidiary circuit headlamp flasher relay to headlamp).
Blue	White	Headlamp flasher to main beam fuse	Headlamp main beam fuse to right-hand headlamp (when independently fused).
Blue	White	Dip switch main beam warning light	Headlamp main beam fuse to outboard headlamps (when outboard headlamps independently fused).
Blue	White	Dip switch to long-range driving light switch	Dip switch to main beam warning light
Blue	Yellow	Long-range driving light switch to lamp	
Blue	Black	Fuse to right-hand main headlamp	NA
Blue	Pink	Fuse to left-hand dip headlamp	Headlamp dip beam fuse to left-hand headlamp (when independently fused)
Blue	Slate	Headlamp main beam fuse to left-hand headlamp or inboard headlamps when independently fused	
Blue	Orange	Fuse to right-hand dip headlamp	NA

Brown - Main battery lead (Unfused form battery)			
MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Brown	Blue	Control box (compensated voltage control only) to ignition switch and lighting switch (feed)	
Brown	Red	Compression ignition starting aid to switch Main battery feed to double pole ignition switch	
Brown	Purple	Alternator regulator feed	
	Light Green	Screenwiper motor to switch	
Brown	Green	Dynamo 'F' to control box 'F' Alternator field 'F' to control box 'F'	
Brown	White	Ammeter to control box Ammeter to main alternator terminal	
Brown	Yellow	Alternator to 'no charge' warning light	Dynamo D to control box D and ignition warning light. Alternator neutral point
Brown	Black	Alternator battery sensing lead	Alternator warning light, negative side
Brown	Slate	Starter relay contact to starter solenoid	NA
Brown	Orange	Fuel shut-off (diesel stop)	NA

Green - Accessories fused supply switched via the ignition switch			
MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Green	Brown	Switch to reverse lamp	
Green	Blue	Water temperature gauge to temperature unit	
Green	Red	Direction indicator switch to left-hand flasher lamps	
Green	Purple	Stop lamp switch to stop lamps, or stop lamp switch to lamp failure unit	Stop lamps to stop lamp switch
Green	Light Green	Hazard flasher unit to hazard pilot lamp or lamp failure unit to stop lamp bulbs	Hazard flasher unit to hazard pilot lamp
Green	White	Direction indicator switch to right hand flasher lamps	
Green	Yellow	Heater motor to switch single speed (or to 'slow' on tow- or three-speed motor)	
Green	Black	Fuel gauge to fuel tank unit or changeover switch or voltage stabilizer to tank units	
Green	Pink	Fuse to flasher unit	Choke solenoid to choke switch (when fused)
Green	Slate	Heater motor to switch ('fast' on two- or three-speed motor)	
Green		Coolant level unit to warning light	NA
Green	Orange	Low fuel level switch to warning light	

Purple - Accessories fused direct from the battery			
MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Purple	Brown	Horn fuse to horn relay when horn is fused separately	
Purple	Blue	Fuse to heated rear window relay or switch and warning light	NA
Purple	Red	Switches to map light, under bonnet light, glove box light and boot lamp when fed direct from battery fuse	Boot light switch to boot light
Purple	Green	Fuse to hazard flasher	NA
Purple	Light Green	Fuse to relay for screen demist	NA
Purple	White	Interior lights to switch (subsidiary circuit door safety lights to switch)	
Purple	Yellow	Horn relay to horn	
Purple	Black	Horn button to horn relay	
Purple	Pink	Rear heated window to switch or relay	NA
Purple	Slate	Aerial lift motor to switch up	
Purple	Orange	Aerial lift motor to switch down	

Red - Rear and Side Lamps			
MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Red		Main feed to all circuits mastered by sidelamp switch	Side and tail lamp feed
Red	Brown	Rear fog guard switch to lamps	Variable intensity panel lights (when used in addition to normal panel lights)

Red	Blue	Front fog lamp fuse to fog lamp switch	NA
Red	Purple	Switches to map light, under bonnet light, glove box light and boot lamp when sidelamp circuit fed	NA
Red	Green	Bulb failure unit to right-hand-side and rear lamps	Lighting switch to side and tail lamp fuse (when fused)
Red	Light Green	NA	Screenwiper motor to switch
Red	White	Sidelamp fuse to right-hand side and rear lamps, Sidelamp fuse to panel light rheostat, Fuse to panel light switch or rheostat, Fuse to fiber optic. source	Panel light switch (dimmer) to panel lights
Red	Yellow	Fog lamp switch to fog lamp or front fog fuse to fog lamps	Fog lamp switch to fog lamp
Red	Black	Left-hand, sidelamp fuse to side and tail lamps and number plate illumination	Parking switch to left-hand side lamp
Red	Pink	Sidelamp fuse to lighting relay	NA
Red	Slate	Lamp failure unit to left-hand side and tail lamps	NA
Red	Orange	Fusebox to rear fog guard switch	Parking light switch to right-hand sidelamp

White - Ignition control circuit (unfused) or starter solenoid to ballast resistor

MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
White	Brown	Oil pressure switch to warning light or gauge, or starter relay to oil pressure switch	
White	Blue	Choke switch to choke solenoid (unfused) and/or choke to switch to warning light, or electronic ignition distributor to drive resistor	Choke switch to choke solenoid (unfused). Rear heater fuse unit to switch. Electronic ignition TAC ignition unit to resistance.
White	Red	Starter switch to starter solenoid or inhibitor switch or starter relay or ignition (start position) to bulb failure unit	Solenoid starter switch to starter push or inhibitor switch
White	Purple	Fuel pump no 1 or right-hand to changeover switch	
White	Green	Fuel pump no 2 or left-hand to changeover switch	
White	Light Green	Start switch to starter interlock or oil pressure switch to fuel pump or start inhibitor switch to starter relay or solenoid	Screenwiper motor to switch
White	Yellow	Ballast resistor to coil or starter solenoid to coil	Starter inhibitor switch to starter push. Ballast resistor to coil. Starter solenoid to coil
White	Black	Ignition coil contact breaker to distributor contact breaker, or distributor side of coil to voltage impulse tachometer	Ignition coil CB to distributor contact breaker. Rear heated window to switch or fuse TAC ignition
White	Pink	Ignition switch to radio fuse	
White	Slate	Current tachometer to ignition coil	
White	Orange	Hazard warning lead to switch	

Light Green - Equipment Specific

MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Light Green		Instrument voltage stabilizer to instruments	
Light Green	Brown	Flasher switch to flasher unit	Flasher switch to flasher unit L
Light Green	Blue	a) Flasher switch to left-hand flasher warning light b) Coolant level sensor to control unit c) Test switch to coolant level control unit	Flasher switch to left-hand flasher warning light
Light Green	Red	Fuel tank changeover switch to right-hand tank unit or entry and exit door closed switch to door actuator	Fuel tank changeover switch to right-hand tank unit
Light Green	Pink		Flasher unit L to emergency switch (simultaneous flashing)
Light Green	Purple	Flasher unit to flasher warning light	
Light Green	Green	Start inhibitor relay to change speed switch; or switch to heater blower motor second speed on three-speed unit	NA
Light Green	White	Low air pressure switch to buzzer and warning light	NA
Light Green	Yellow	Flasher switch to right-hand warning light; or differential lock switch to differential lock warning light	Flasher switch to right-hand flasher warning light
Light Green	Black	Front screen jet switch to screen jet motor	
Light Green	Slate	Fuel tank changeover switch to left-hand tank unit; or entry and exit door open switch to door actuator	Fuel tank changeover switch to left-hand tank unit
Light Green	Orange	Rear window wash switch to wash pump; or cab lock-down switch to warning light	NA

Yellow - Equipment Specific			
MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Yellow		Overdrive, Petrol injection, Door locks, Gear selector switch to start	Overdrive
Yellow	Blue	NA	Overdrive
Yellow	Brown	NA	Overdrive
Yellow	Green	NA	Overdrive
Yellow	Light Green	NA	Screenwiper motor to switch
Yellow	Purple	NA	Overdrive
Yellow	Red	NA	Overdrive

Slate - Equipment Specific			
MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Slate		Window lift main lead	NA

Orange - Equipment Specific - Wiper circuits fused via ignition switch			
MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Orange	Blue	Switch to front screenwiper motor first speed timer or intermittent unit	NA
Orange	Green	Switch to front screenwiper motor second speed	NA
Orange	Black	Switch to front screenwiper motor parking circuit, timer or intermittent unit	NA
Orange	Purple	Timer or intermittent unit to screenwiper motor parking circuit	NA
Orange	White	Timer or intermittent unit to screenwiper motor parking circuit	NA
Orange	Yellow	Switch to headlamp or rear screenwiper motor feed, timer or relay coil	NA
Orange	Light Green	Switch to headlamp or rear screenwiper motor parking circuit timer or relay coil	NA
Orange	Pink	Timer or relay to headlamp or rear screenwiper motor feed	NA
Orange	Slate	Timer or relay to headlamp or rear screenwiper motor parking circuit	NA

Pink - Equipment Specific			
MAIN	TRACER	BS-AU7a 1983 Colour Code - PURPOSE	BS-AU7 Colour Code - PURPOSE
Pink	White	Ballast terminal to ignition distributor	NA

This chart was created because there were so many different charts on the web with conflicting information, and possibly a few errors, that some clarification was needed. Please remember this information is only here to assist in diagnosis and tracing of original wiring and circuits. Each manufacture, and previous owners for that matter, may have wired your vehicle differently. Get a correct model and year wiring diagram for the most accurate information. (Bentley, Haynes manuals are invaluable tools that should be mandatory for anyone working on their own British vehicles.) Use this information at your own risk and please seek help if you do not feel competent working on your vehicle's electrical system.

The information here was derived from multiple sources, (Primarily from the British Standards Institution, 2 Park St., London W1A 2BS,.) that allows only personal non-commercial use.

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