

## GENERAL

This diagram shows how the 6V negative (earth) polarity wiring was adapted to include LED lighting, LED flashing direction indicators, a dash lamp, an electric windscreen wiper, a USB connector and electronic ignition.

## WIRING

All visible wiring (ie under bonnet and rear external) is single or double core armoured aluminium type cable. Heavy duty cable is used between the battery, the starter button and the starter. Wiring from the switch panel to the dynamo is 27 amp. Wiring from the switch panel (and/or fuses where applicable) to external lighting and flashers, distributor, coil and horn is 16 amp. Other wiring is generally 8 amp.

## FUSES

Mostly 1 inch, 8 amp. All auxiliaries now by-pass the cut-out box plus terminal and are fed from the switch panel A-connector to three fuse boxes, two under the dashboard and one under the rear seat.

## SWITCH PANEL

Lucas SM5-, dated 4/31.

- A Ammeter to cut-out box.
- SH To dynamo (shunt).
- +B To battery.
- T To tail light.
- +D To dynamo (3rd brush).
- H To headlights.
- LOW To sidelights.
- IGN To ignition (coil).

Ignition light: 3.6V Supalite SL17 for SL4 torch with blinking light. Alternative: 6V 3W screw type. Ammeter reads 20-10-0-10-20.

## BATTERY

Bayern 6V, 66 Ah, fitted in 2012 with master switch to negative (earth) pole. Trickle charged when not in use.

## STARTER MOTOR

CAV S35-2 6V 9357 L030. Alternative: Lucas M35A-0, type, BN7-0, marked 4 32, 115.61, <, ER).

## DYNAMO

Lucas C35A BN30, Lucas Y-symbol, 220179, 3rd brush type. Output 3rd brush reduced to max. 5 amp.

- Alternative: Lucas BN7-2C.
- +D To switch panel +D.
- F1 To switch panel SH.
- Fuse box model TFRL-1, BN7, POS, F1.
- Fuse: 1 inch, 10 amp.

## COIL

Unbranded 6V, from Austin 7 Components (A7C).

- CB (-) To contact breaker.
- SW (+) To switch panel IGN.
- NB: Additional (red) lead from SW (+) to distributor.
- Ignition lead: see distributor.

## DISTRIBUTOR

Accuspark DKY4 electronic distributor for Austin Seven with negative earth polarity.

- NB: Additional (red) lead to coil SW (+).
- Ignition leads: Accuspark T4BA7 black 8 mm carbon core for electronic ignition.
- Spark plugs: Champion D16 or KLG M50 (Ø18 mm, short reach). Firing order: 1-3-4-2.

## CUT-OUT BOX

Lucas DW3 6V BN66 5-8, Lucas Y-symbol, 731061, with AUX fuse holder for 1 inch, 10 amp fuse (not fitted). Alternative: Lucas CF3.

Note: auxiliaries are now fed directly to and from the switch panel (no longer from the cut-out box + terminal), showing ammeter deflection when horn, dash lamp, USB, wiper, flashers or brakes are used.

## LAMP AND FLASHER HOLDERS

Headlights: Lucas Graves R47, R6, 35/32°.

Front flashers: Intertruck 06012 (Britax) marker lamps on rubber base with single contact fitting. Brake, rear flasher, tail / no. plate units: see LED lamps. Dash lamp: Lucas twist type.

## TUNGSTEN LAMPS

Ignition: 2.5V, 0.2A MES Ø10 screw type. Dash: SE 3W BA15s, Ø18 (alternative: 12V, 5W).

## LED LAMPS

From [www.dynamoregulatorconversions.com](http://www.dynamoregulatorconversions.com) (CDRC):

Headlight: part DE1C double dipper (40/36W tungsten equivalent) for fitting BA15D. **Discontinued.**  
Side: part AD2B 6V, 5W for fitting BA15S, 12-LED.  
Front flasher: part AA1B, 21W, for fitting BA15S, amber.  
Brake, rear flasher, tail / no. plate lightboard for SVC type ST38 pork pie type unit conversion: part DA1A 21/5/21W. Black = earth, Red = tail, Green = brake, White = indicator.

## FLASHER UNIT

Flasher unit for LEDs: CDRD part DD2A. **Discontinued.**  
Buzzer for flasher unit: CDRD part AB2C.

Note: 49 = Pos (in), 49a = Lamps (out to indicator switch), P = Buzzer (max 5W).

## USB

To charge TomTom, iPhone, etc., regardless of voltage.

## CYCLE METER

Sigma 1009, wired separately to rear left wheel.

## SCHEMATIC WIRING DIAGRAM 1932 AUSTIN SEVEN SALOON DE LUXE (RN SERIES)

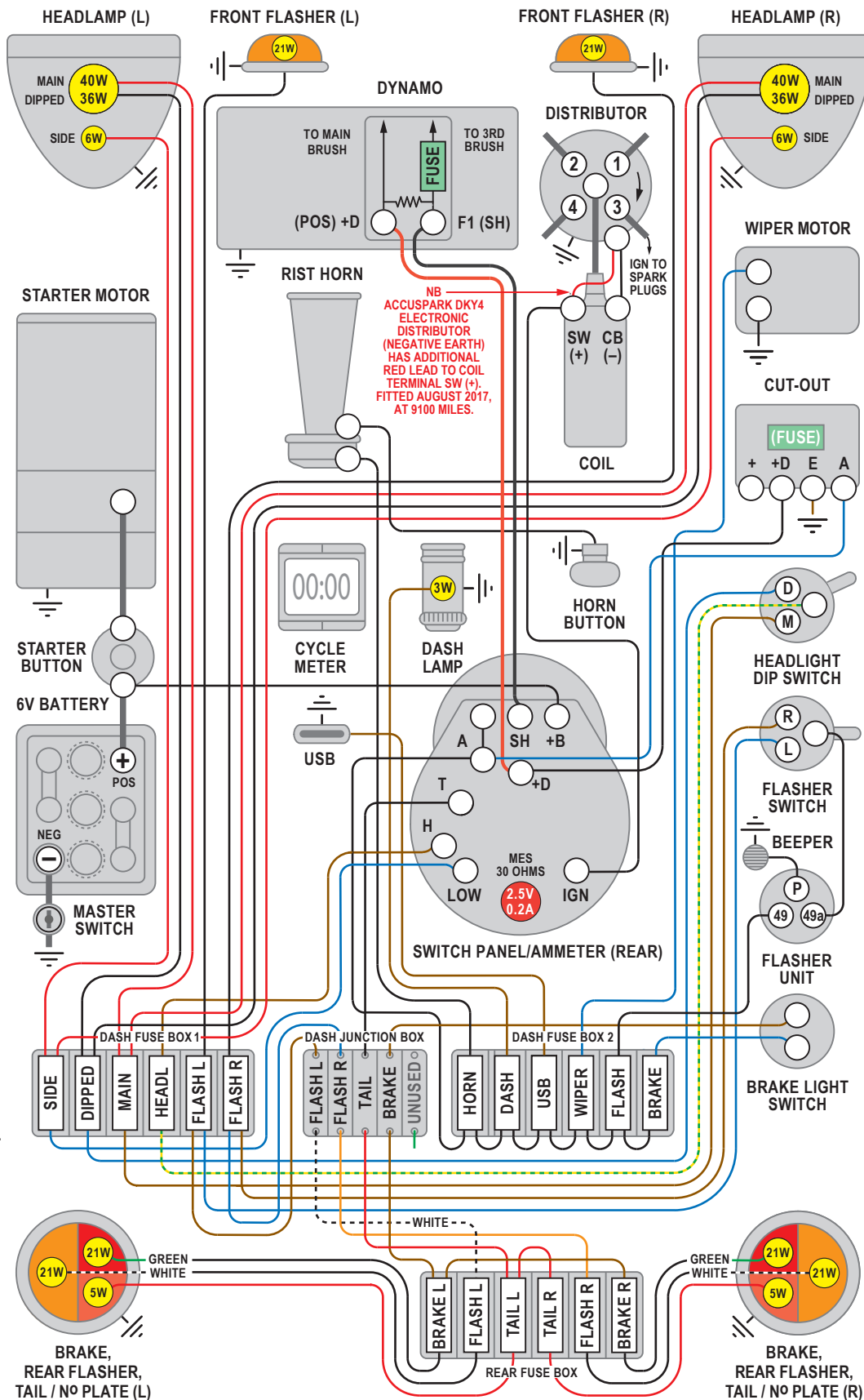
**LED LIGHTING VERSION, INSTALLED MAY 2015.**

**LED FLASHING DIRECTION INDICATOR VERSION, INSTALLED MAY 2015.**

**ELECTRONIC DISTRIBUTOR VERSION, FITTED AUGUST 2017.**

**DIAGRAM UPDATED 18 NOVEMBER 2022.**

LED WATTAGES ARE APPROXIMATE TUNGSTEN EQUIVALENTS. © ANDREW@FALLON.NL



## AUSTIN SEVEN SALOON DE LUXE

Date of manufacture: circa June 1932. Original registration: GG 8095. Place and date of registration: Glasgow, 20 August 1932. Car no: B6 1454. Chassis no: 158051. Body type and number: RN 11322. Original motor no: M158321. Current motor no: M100411 (circa December 1929). Netherlands registration: AM-89-99, 16 October 2009.

## LIABILITY DISCLAIMER

This is a schematic representation of a wiring set-up for LED lighting, LED flashing direction indicators and electronic ignition on an Austin Seven. The information is for general guidance only and does not conform to any recognised standards. No representations, recommendations or warranties of any kind, whether express or implied, are made or offered with regard to the entirety, accuracy, reliability, suitability, legality or safety of the information shown or in relation to brands, products, manufacturers or suppliers stated. Do not rely on this information in making technical, legal, safety or any other decisions. Any use of this information is strictly your own responsibility and entirely at your own risk. Andrew Fallon