

Royal Enfield EFI 2011

Wiring Diagram

by Scalyback

Circuit Diagrams

by Steve Thackery,
Nottingham, UK

(extracted from the wiring diagram)



This is not an official Royal Enfield document. It is compiled by Royal Enfield enthusiasts for the common good and may contain errors.

If you do find a mistake, please help others by reporting it via email to:
bullet_wiring@thackery.net.

Alternatively, use the forum at:
<http://www.hitchcocksmotorcycles.com/message-board/technical>

Change history

Version	Date	Description	Changed by
1.0	1 st March 2015	First release	Original authors
1.1	1 st March 2015	Switch symbols improved, handlebar switch closeups provided	Steve Thackery

Document tools

Circuit diagrams drawn in Microsoft Visio 2013. Document compiled in Microsoft Visio 2013.

Community discussion and comments

Please note: the fusing arrangements seem to be different from those on Thackery’s 2014 Bullet 500. That has four fuses, labelled:

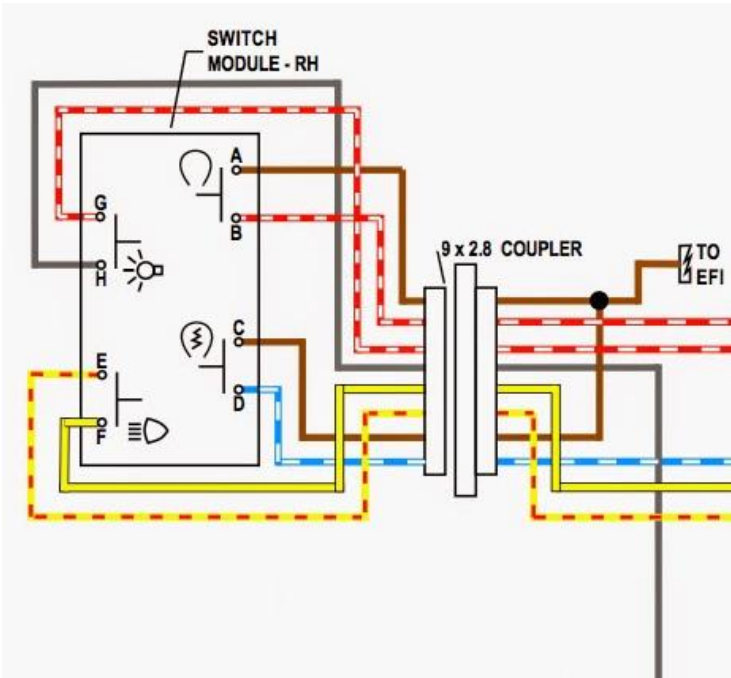
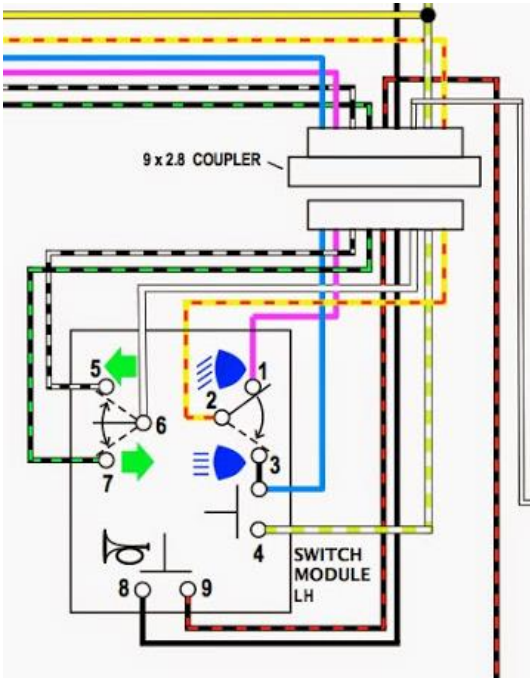
“Main” (15A), “ECU” (10A), “Lighting” (10A), “Signalling” (10A).

The wiring diagram by Scalyback in this document shows three fuses, which seem to protect:

The rectifier/regulator output (20A), the power relay (20A) which feeds the ECU, everything else (20A).

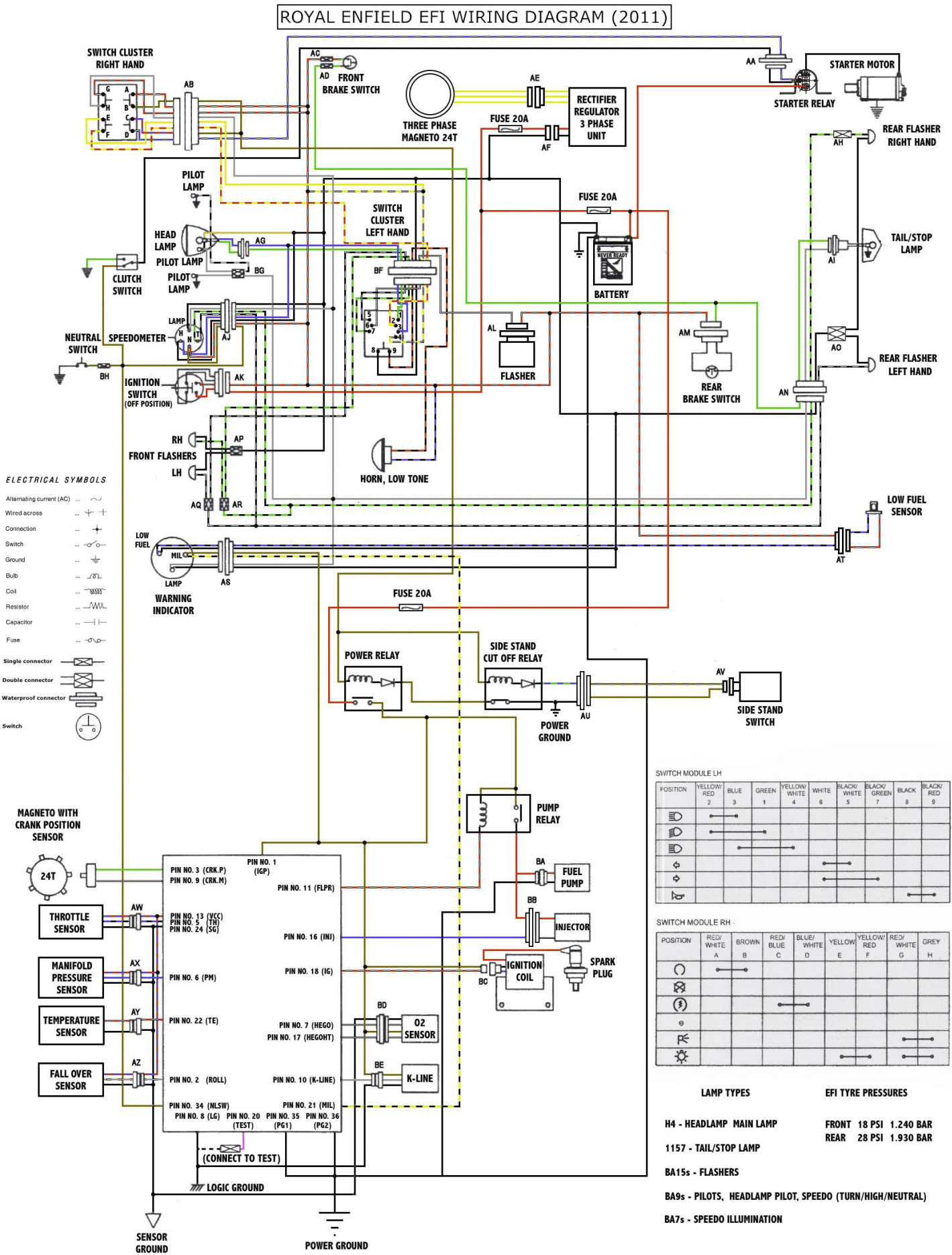
Can anyone shed light on how the wiring has evolved from the 2011 bikes to the 2015 bikes?

“Mattsz” has kindly let us include his close-up diagrams of the handlebar switch clusters, which show the operation of the switches more clearly:



Our thanks go to the many Royal Enfield enthusiasts around the world who have contributed to this document by providing content, pointing out mistakes and suggesting improvements.

Wiring Diagram with two-letter identifiers (e.g. 'AA') added to each connector



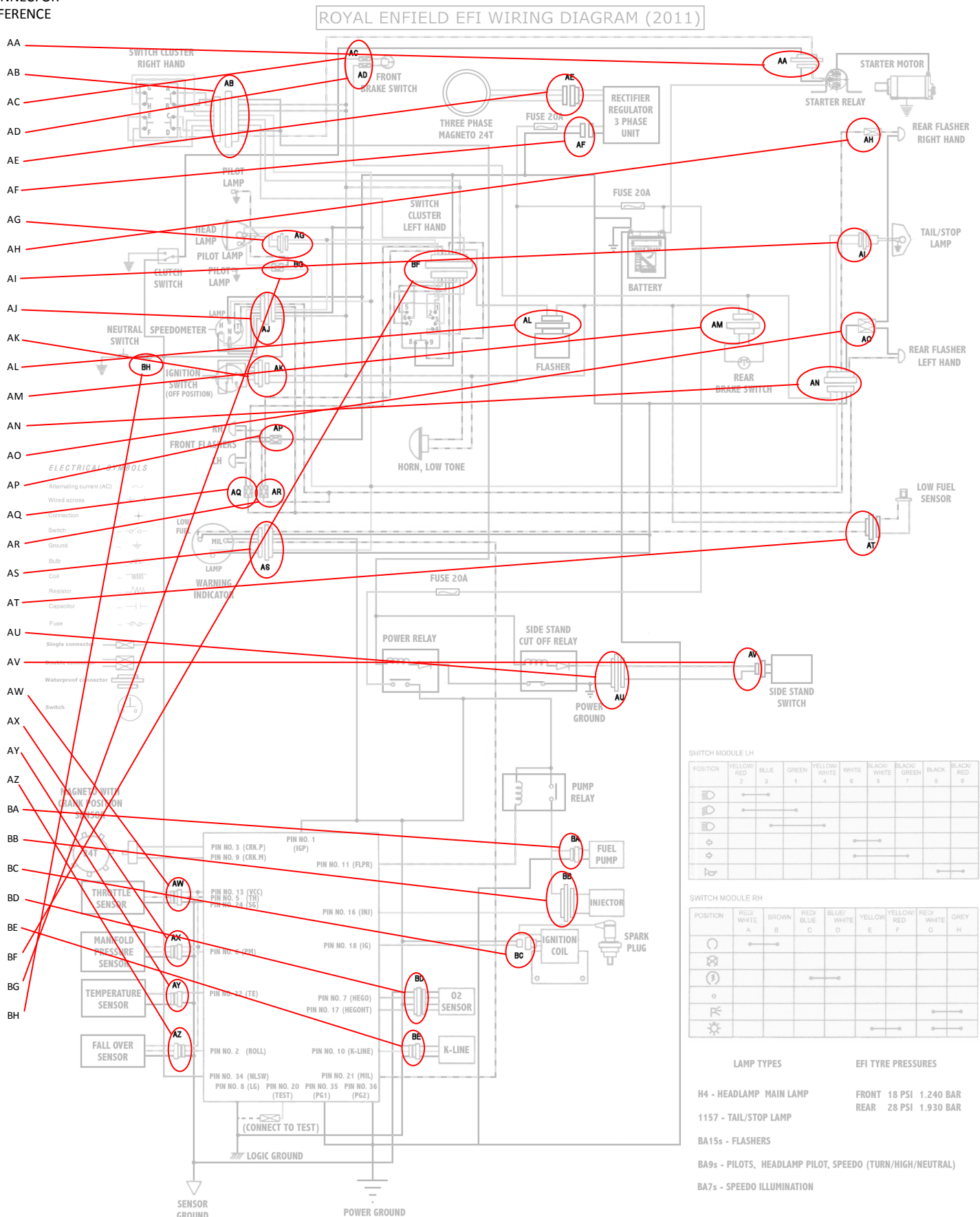
CORRECTED, RE-DRAWN AND COLOURED BY SCALYBACK WITH THE HELP OF MANY ROYAL ENFIELD ENTHUSIASTS

V1.01

Connector Finder (1)

Find the connector in alphabetical listing, follow the red line

CONNECTOR REFERENCE

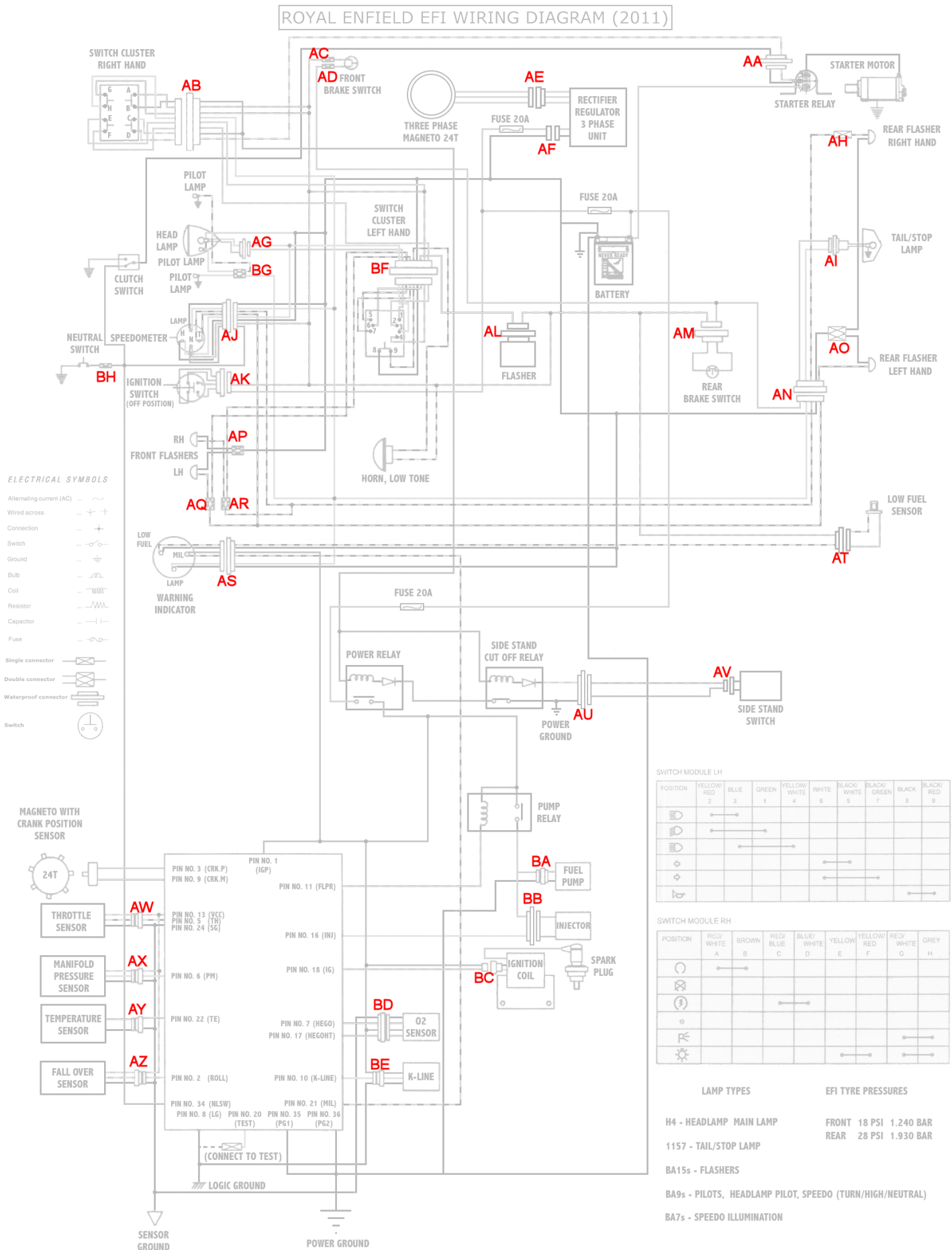


CORRECTED, RE-DRAWN AND COLOURED BY SCALYBACK WITH THE HELP OF MANY ROYAL ENFIELD ENTHUSIASTS

V 1.01

Connector Finder (2)

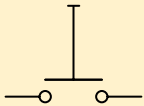
Look for the red lettering



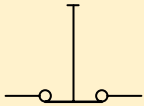
V 1.01

Circuit diagram symbols

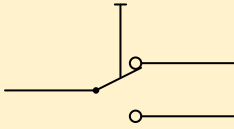
human-operated switches (eg horn, start, lights)



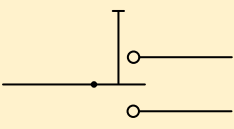
make
(normally open)



break
(normally closed)




changeover
(eg dip/main)




changeover with
centre-off
(eg indicators)


mechanically-operated switches (eg sidestand, brakes, clutch)




make
(normally open)




break
(normally closed)



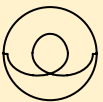
changeover




relay coil




warning lamp




bulb




horn



multi-way connector

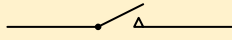


two-way connector

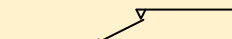


single-way connector


relay contacts



make
(normally open)

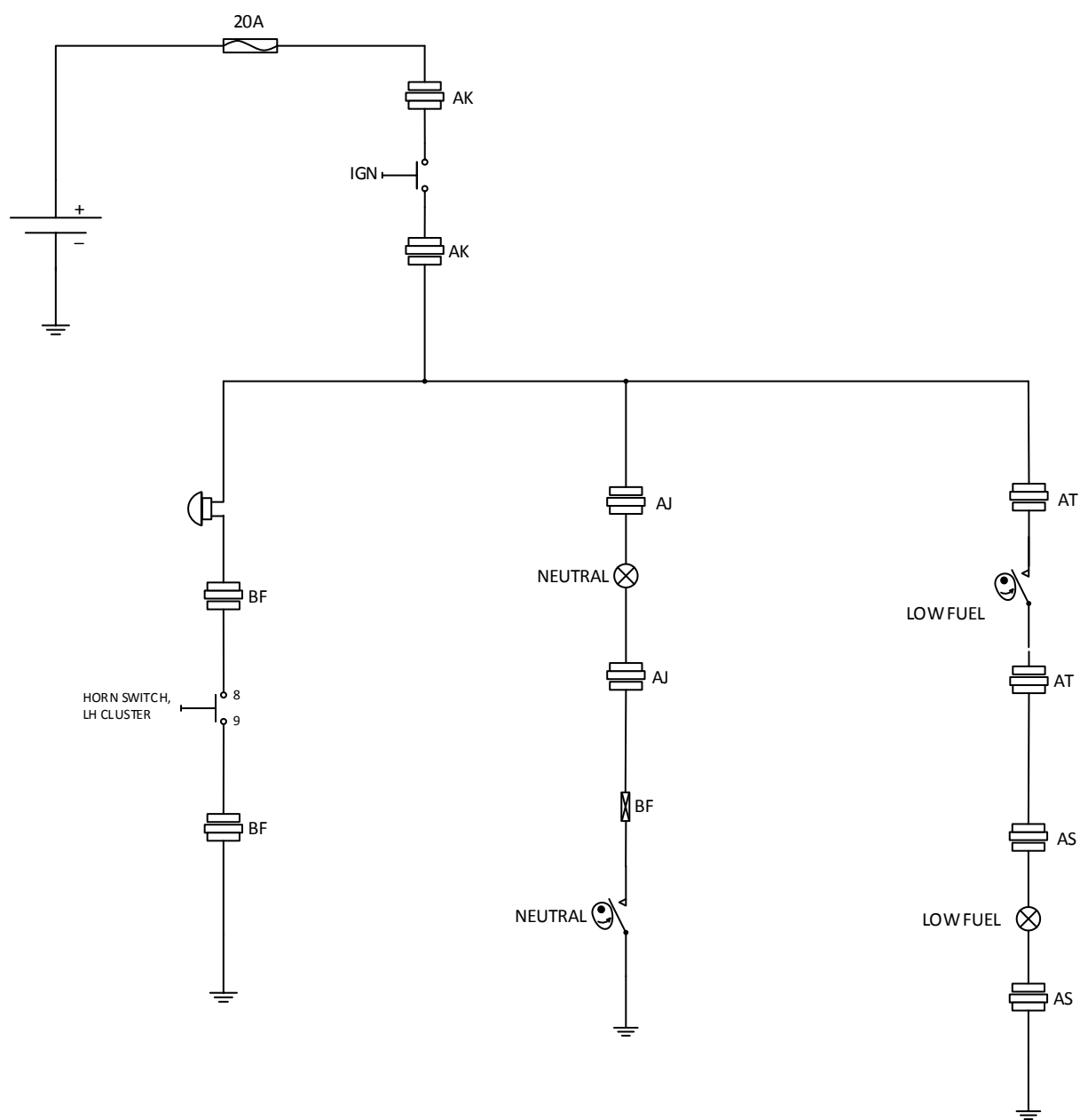


break
(normally closed)



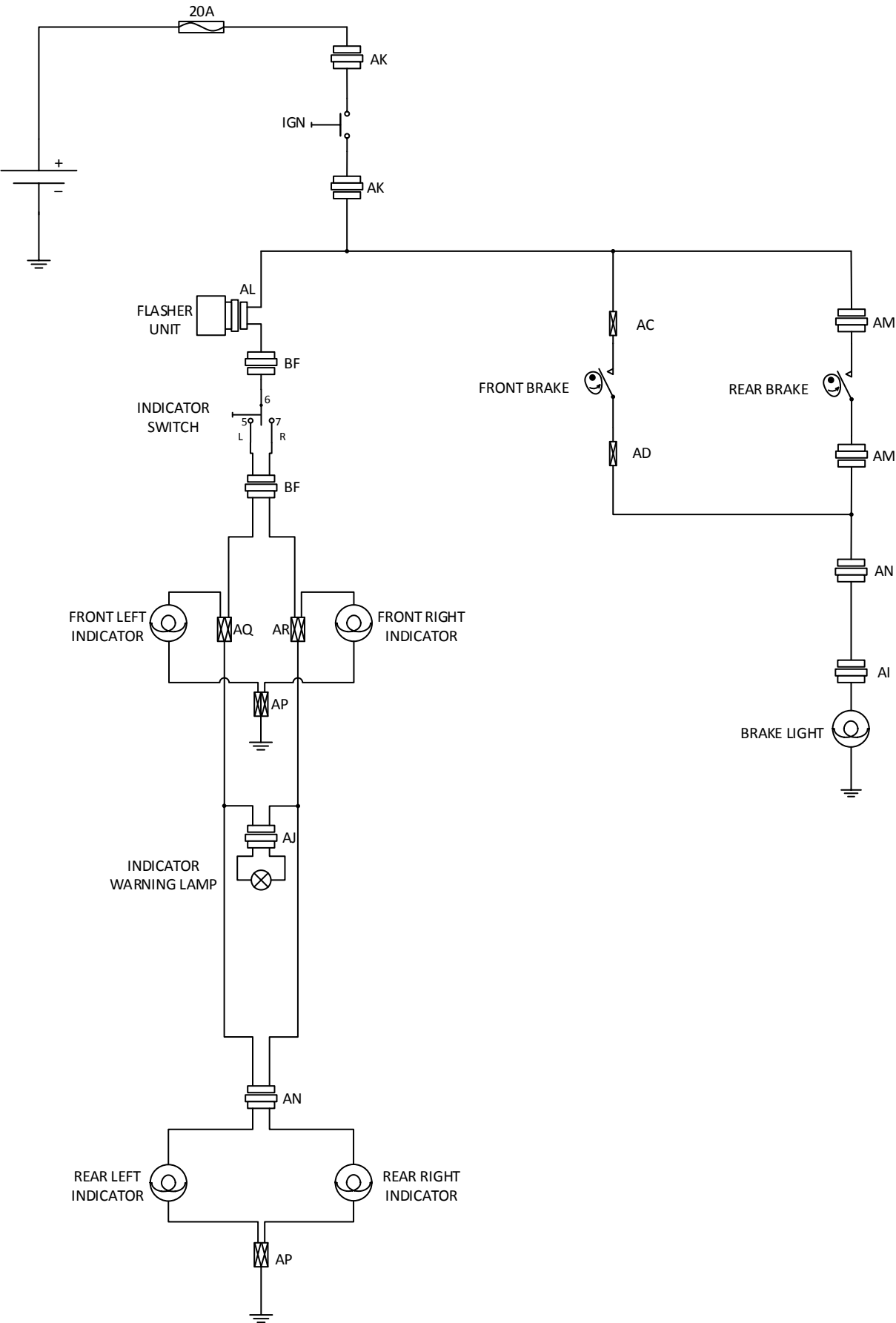
changeover

Horn, neutral light, fuel low level light

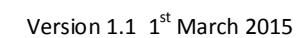


Use in conjunction with the wiring diagram

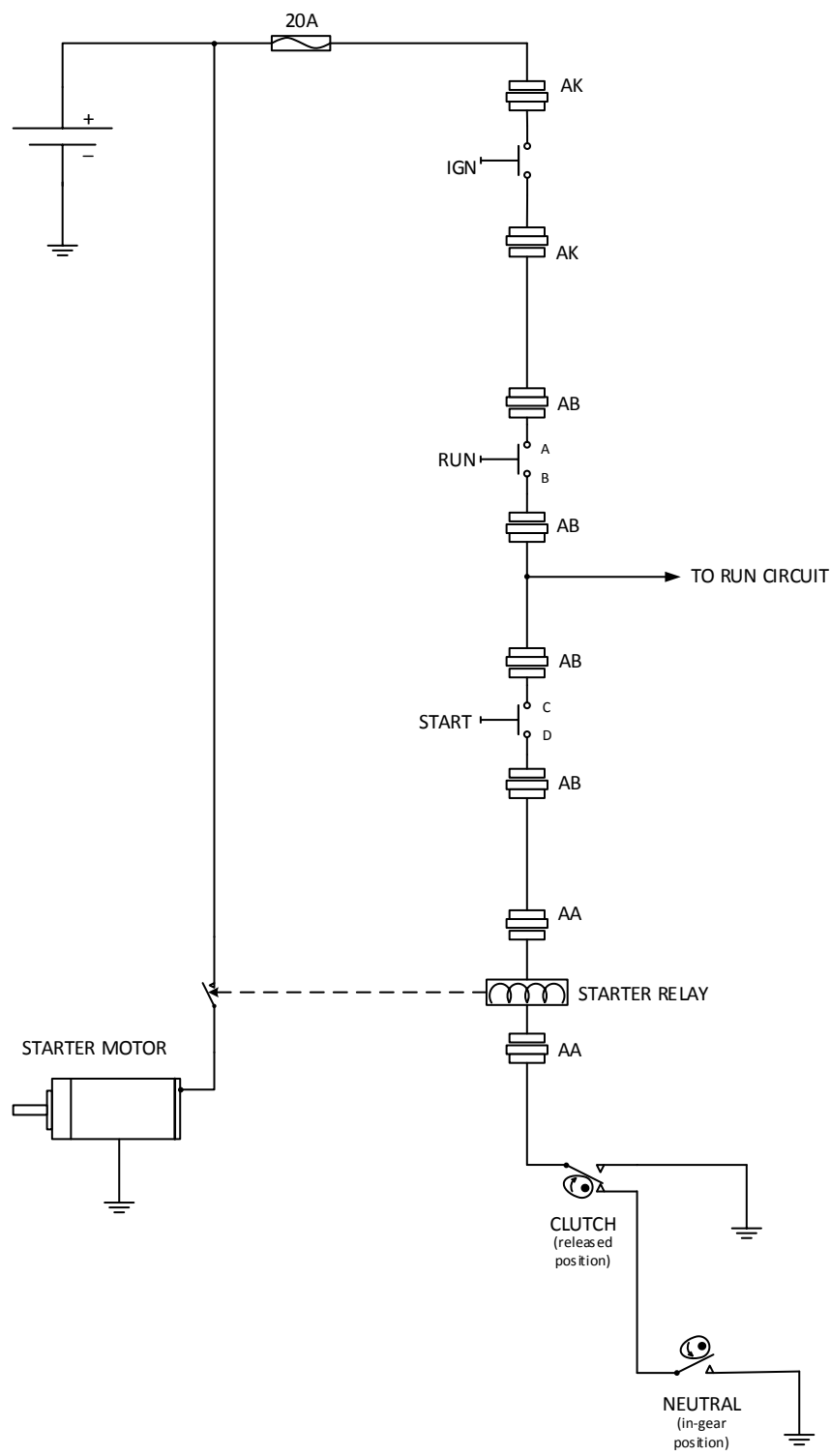
Brake lights, indicators



Use in conjunction with the wiring diagram

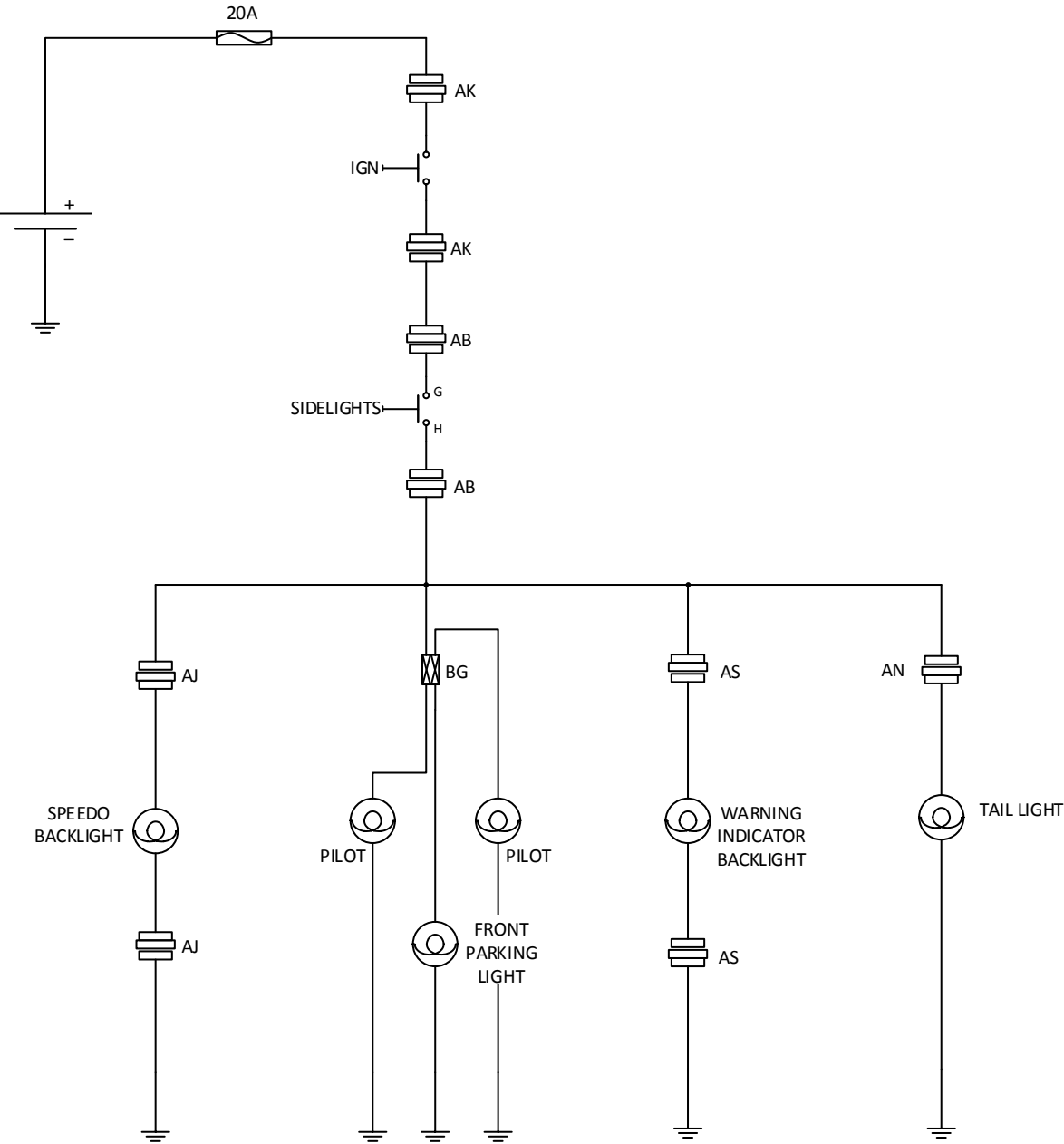


Engine start



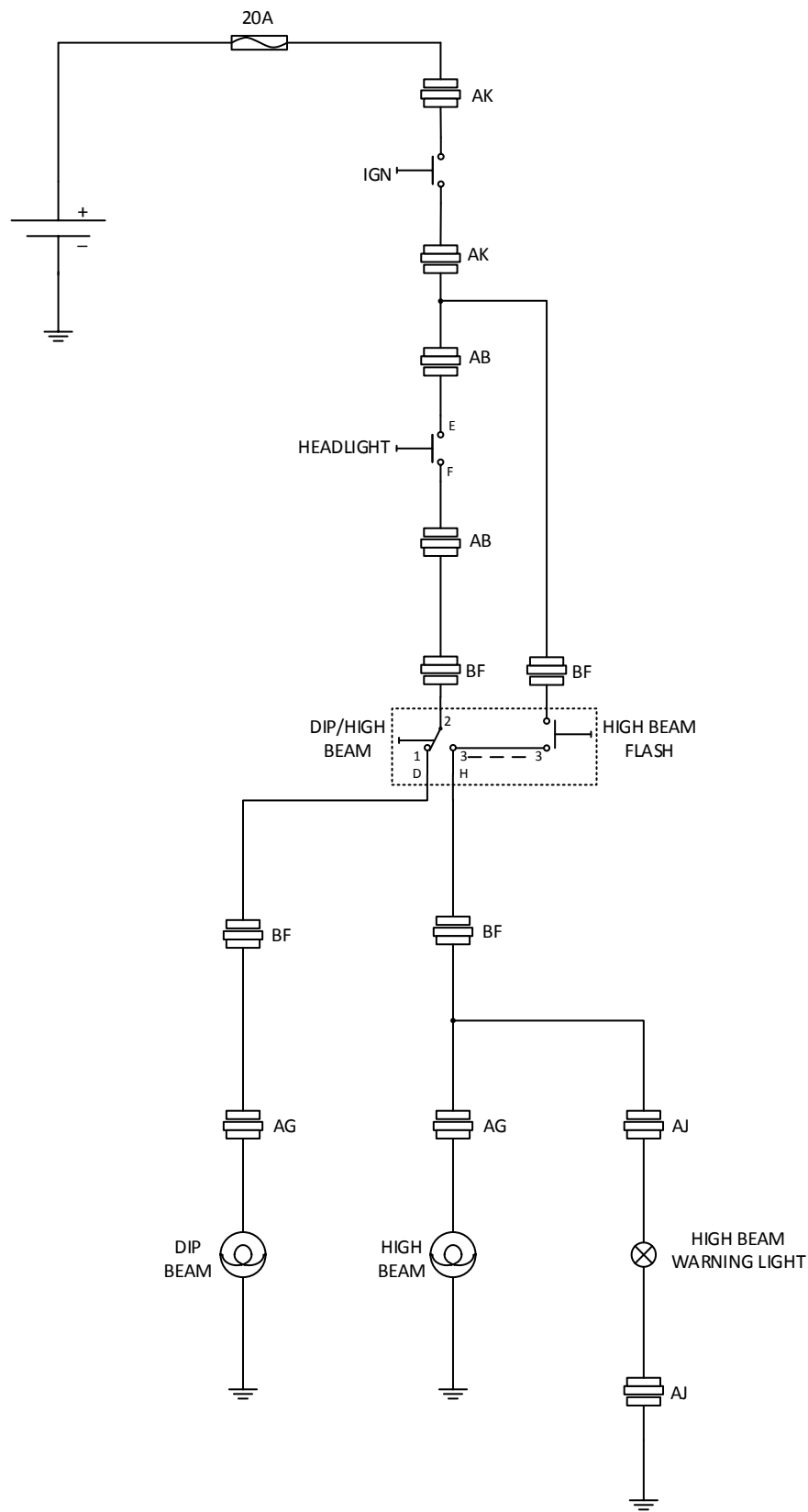
Use in conjunction with the wiring diagram

Sidelights (parking lights)



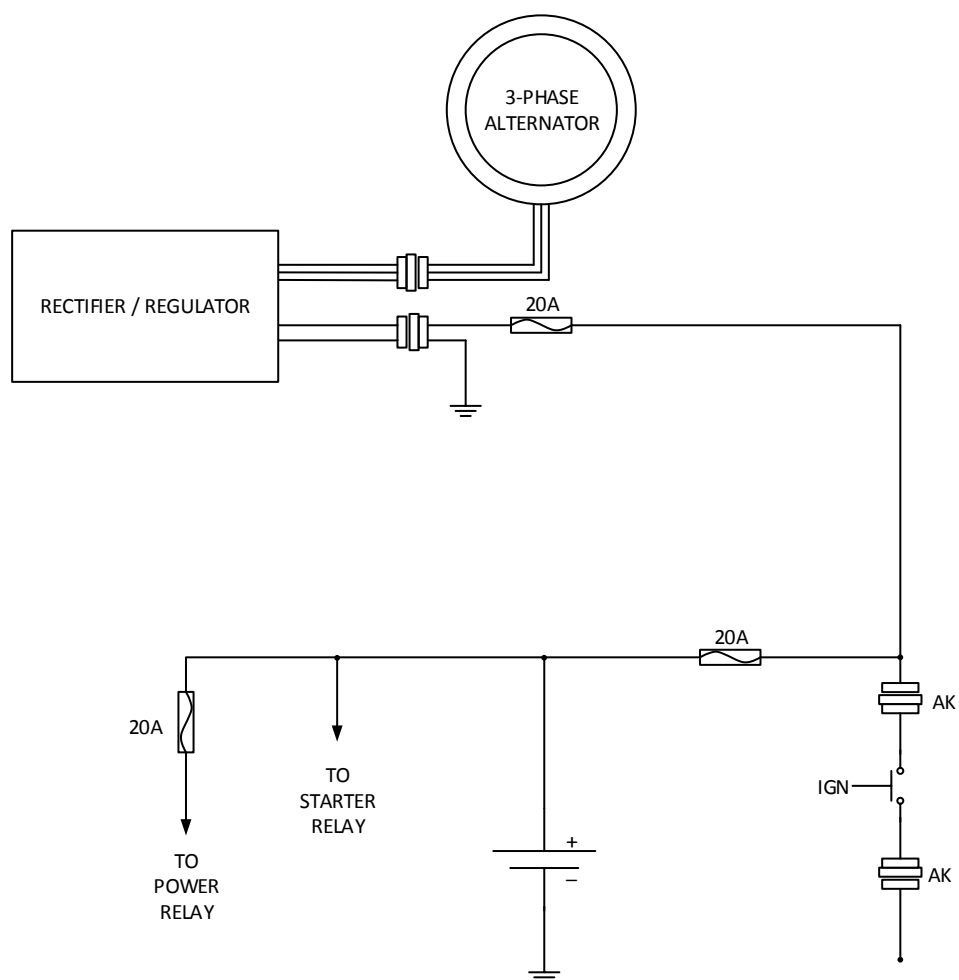
Use in conjunction with the wiring diagram

Headlight



Use in conjunction with the wiring diagram

Charging



Use in conjunction with the wiring diagram