

Circuit Diagram Glossary Speed 400 and Scrambler 400 X

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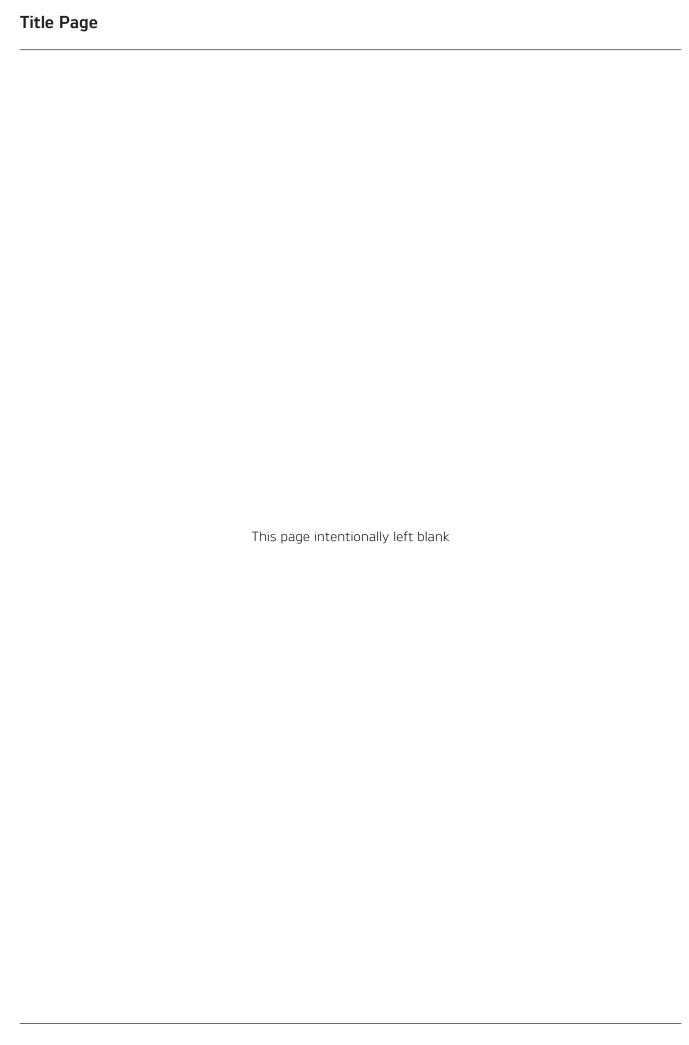


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GLOSSARY OF CIRCUIT DIAGRAM SYMBOLS

The following is a description of the symbols and information found in the circuit diagram for this model.

NOTICE

Wire colours and connector pin references shown in the illustrations below are examples and maybe different from those shown in the circuit diagram for this model.

Components with a Fly Lead and an Inline Connector

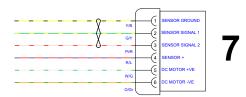


The illustration shows an example of a component with a fly lead and an inline connector.

The component is represented by a white box, with fly lead wires leading to an inline connector. Information provided with the component includes:

- The component reference number near to the component.
- A function reference for each terminal located inside the component, adjacent to the connecting wire (given in English only).
- Wire colour references located on each wire.

Components with an Integral Connector

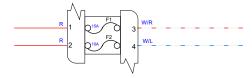


The illustration shows an example of a component with an integral connector.

The component is identified by a white box, with a connector directly connected to the component. Information provided with the component includes:

- The component reference number near to the component.
- A function reference for each terminal located inside the component, adjacent to the connecting wire (given in English only).
- Wire colour references located on each wire.

Fuse Boxes



The illustration shows an example of a fuse box.

A fuse is a device that protects a circuit if a fault occurs. The fuse will 'blow' if a short circuit occurs, protecting that circuit from more damage.

Information provided with the fuse box includes:

- The fuse box name located above the fuse box.
- A fuse number/location reference for each fuse
 located above the fuse.
- A fuse rating (in Amps) for each fuse located inside the fuse.
- A fuse box, terminal number and terminal block reference - located on each wire entering the fuse box.

In the above example, the fuse box, terminal number and terminal block references can be interpreted as follows:

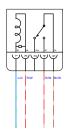
- Fuse F1 is connected between terminals 1 and 3.
- Fuse F1 is a 15 amp (15A) fuse.

Relays

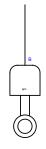
A relay is an electromagnetic switch. To close the relay contacts and complete the circuit, an electromagnet in the relay is energised, which causes the relay contacts to close and make the circuit complete.

Relays are used when the electrical current is too high for a mechanical switch. This is usually when the switching must be done quickly to prevent arcing across the switch contacts. If a mechanical switch were used, the mechanical switch contacts would quickly burn away.

Relays Connected with a Single Socket Connector



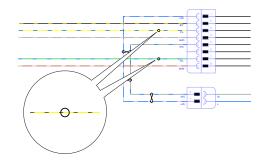
Ring Terminals



The illustration shows the symbol used to identify a ring terminal (commonly used as ground points).

A reference number is provided near to the terminal.

Shielded Wires



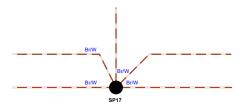
The illustration shows the symbol used to identify wires that are shielded against electromagnetic interference.

Examples of components that have shielded wires include:

- ABS wheel speed sensors
- · Immobiliser antenna
- Throttle position sensor
- USB socket

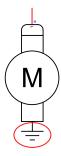
The wire shielding is typically connected to ground.

Splices



Starter Motor Grounding

Starter motors fitted to Triumph motorcycles are connected to ground through the mating faces of the starter motor body and the crankcase.

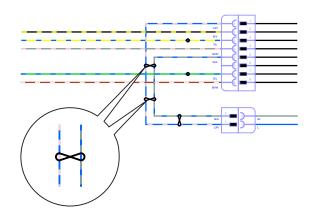


The illustration shows an example of a splice.

A splice is a hard cable joint where two or more cables are joined together in the wiring harness. A splice is a potential source of both open and short circuits.

A splice reference number prefixed with "SP" is located near to the splice symbol.

Twisted Wires



The illustration shows the symbol used to indicate a pair of wires that are twisted together, for examplr: CAN circuit wires.

MAIN WIRING HARNESS ELECTRICAL CONNECTORS

The table below shows the connector pin diagrams for each electrical connector on the main wiring harness for this model.

