



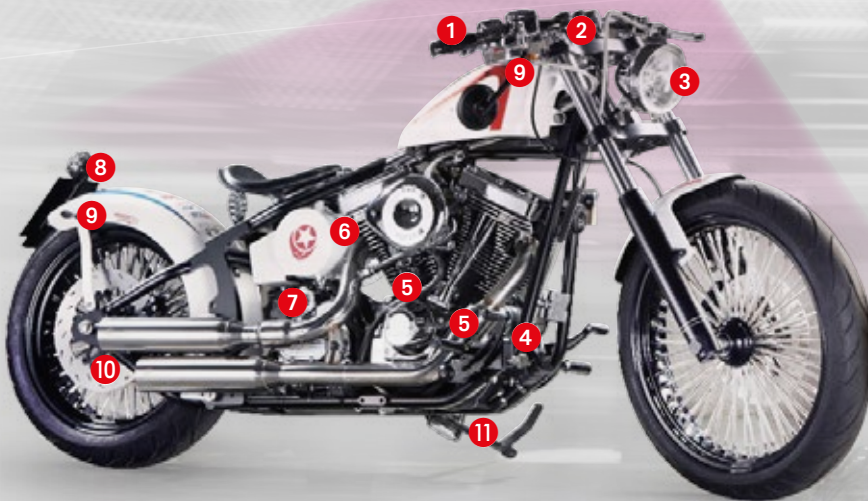
**ELECTRICAL COMPONENTS
AND CABLE HARNESSES**

ELECTRONIC UNIT ECU101 FOR CUSTOM MOTORBIKES

ELECTRONIC UNIT ECU101



KIT SUPPLIED



- | | |
|-----------------------------------|----------------------|
| 1 Left and right handlebar switch | 7 Starter motor |
| 2 Speedometer and warning light | 8 Rear lamp |
| 3 Front driving lights | 9 Turning indicator |
| 4 Oil pressure switch | 10 Brake switch |
| 5 Neutral switch | 11 Side stand switch |
| 6 Ignition coil | |

GENERAL FEATURES

The control ECU101 has been carefully designed to bring together in a single product all the management of the electrical functions of a Custom motorcycle.

ADVANTAGES

- Sealed enclosure protection degree IP67, resistant to vibration, salt spray, industrial fluid
- Automatic resettable fuses integrated on the electronic circuit protecting the main powered functions, no need of external blade fuses.
- All wiring comes at a single point and this means a easier cabling procedure
- Integrated ferrite filtering to eliminate electromagnetic interference
- Retaining screw ensuring on the connector
- 1,5 mm² Power contact
- Overall dimension length 180 mm x width 140 mm x height 50 mm, weight 350 grams.

ELECTRONIC UNIT ECU101 FOR CUSTOM MOTORBIKES

TECHNICAL FEATURES

ELECTRONIC UNIT ECU101 MAIN FUNCTIONS

Supply : 12V

KEY SWITCH 0-1-2

- **Position 0** Function off;
- **Position 1** position lights and power to the starter button on the handlebars;
- **Position 2** power to low beam and high beam lights.

The separation of the low and high beam lights in the ignition phase allows to have more energy available for the engine ignition.

IGNITION COIL

- Powering to the ignition coil (double relay to increase reliability).

NEUTRAL SWITCH

- Neutral switch signal to the warning lights on the handlebar.

OIL PRESSURE

- Oil pressure signal to the warning lights on the handlebar.

BRAKE SWITCH

- Signal from the brake switch to the stop lights.

SPEDOMETER

- Signal from the speed sensor to the speedometer.

LEFT AND RIGHT SWITCH ON THE HEANDLEBAR

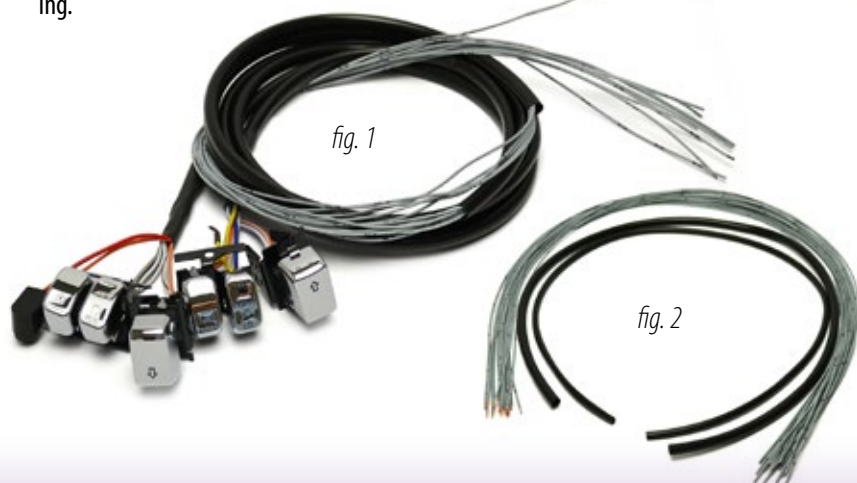
- Inputs and outputs of the right and left handlebar switches to control the following functions: low beam, high beam, right and left turning lights, run-off function, starter, horn.

TURNING LIGHTS AUTOMATIC SWITCH OFF

- The flashing turning light function is integrated inside the unit. Pushing the right or left button the turning lights switch on and after 10 seconds switch off automatically. The switch off timing can be adjusted on customer request.

HAZARD TURNING LIGHTS

- The hazard turning light function is integrated inside the Unit. When the right and left button are pushed together the 4 turning light begin flashing.



ACCESSORIES AND WIRING CONNECTION KIT

The unit is supplied complete with 2 connectors 18 - 30 ways and terminals , wiring to connect the unit to the battery and starter motor.

- On request can be supplied the following components:

- **cod. ECU 101-CM** (fig. 1)

Left and right handlebar switch wired with marked with the final destination of the connector cavities.

- **cod. ECU 101-CV** (fig. 2)

Set of wires , length 2 meters, marked with the final destination of the connector cavities.

- **cod. ECU 101-CC** (fig. 3)

Cable harness composed by a connector 18 and 30 ways wired with 2 meters of cable 1mm². All the wires are marked with the final destination of the connector cavities.

- In addition to the cable harness are also available:

- **cod. ECU 101-CA012** (fig. 4)

Key switch 0-1-2

- **cod. ECU 101 -17.122** (fig. 5)

Side stand push switch.

- **cod. ECU101- HF2** (fig. 6)

Hand crimping tool.



**ELECTRICAL COMPONENTS
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