

BS ISO 6727:2012



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# Road vehicles — Motorcycles — Symbols for controls, indicators and tell-tales

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**National foreword**

This British Standard is the UK implementation of ISO 6727:2012.

The UK participation in its preparation was entrusted to Technical Committee AUE/14, Motor cycles and mopeds.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2012.

ISBN 978 0 580 57846 5

ICS 01.080.20; 43.140

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 September 2012.

**Amendments issued since publication**

Date	Text affected
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INTERNATIONAL  
STANDARD

BS ISO 6727:2012

**ISO**  
**6727**

Second edition  
2012-09-15

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**Road vehicles — Motorcycles — Symbols  
for controls, indicators and tell-tales**

*Véhicules routiers — Motocycles — Symboles pour les commandes, les  
indicateurs et les témoins*



Reference number  
ISO 6727:2012(E)

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Published in Switzerland

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 6727 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6727 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 22, *Motorcycles*.

This second edition cancels and replaces the first edition (ISO 6727:1981), which has been technically revised.

# Road vehicles — Motorcycles — Symbols for controls, indicators and tell-tales

## 1 Scope

This International Standard specifies the symbols, i.e. conventional signs, used to identify certain controls, indicators and tell-tales on a motorcycle<sup>1)</sup> and to facilitate their usage<sup>2)</sup>.

This International Standard also indicates the colours of possible optical tell-tales which warn the driver of the operation or malfunctioning of the related devices and equipment.

This International Standard is applicable to those controls, indicators and tell-tales, which, when used, are fitted on the instrument panel or in the immediate vicinity of the motorcycle rider.

## 2 General

**2.1** It is not mandatory to adopt a symbol for all controls, indicators and tell-tales likely to be fitted on the motorcycle. Nevertheless, when symbols are provided (because they have been enforced by law or for any manufacturer's reason) their type shall be as specified in this International Standard.

**2.2** The symbols must be such that, when viewed by the driver, from his normal seated position, they are recognizable as shown in Annexes A to H<sup>3)</sup>.

**2.3** Symbols on controls and tell-tales shall have a good contrast with their background. Some symbols can be only embossed if the symbols are identified clearly without paint.

**2.4** The symbol must be placed on, or adjacent to, the control or tell-tale to be identified. Where this is not possible, the symbol and the control or tell-tale must be joined by a continuous line as short as possible.

**2.5** If, in a symbol, a motorcycle or parts of a motorcycle are shown in a side view, a motorcycle driving from right to left shall be used.

**2.6** Focused light shall be represented by parallel rays and diffuse light by divergent rays.

**2.7** When the following colours are used on the optical tell-tales, they shall have the meaning indicated below:

— red: danger;

— yellow (amber): caution;

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1) 'Motorcycle' as defined in ISO 3833.

2) Prints of these symbols for reproduction purposes may be obtained from the ISO Central Secretariat.

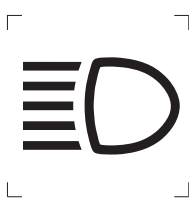

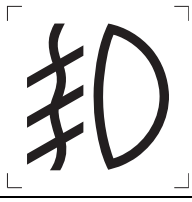
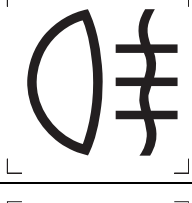
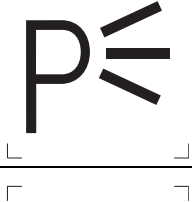

3) Many of these symbols are also contained in ISO 2575. The symbol reference number may be different in the two international standards but the ISO/IEC registration number is the same.

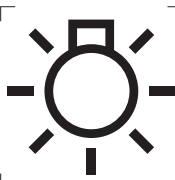



- green: safety;
- blue shall only be used for the headlight upper beam tell-tale.



**Annex A**  
(normative)


**Lighting and signalling devices**

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
A.01		<b>High (main) beam</b> Colour of telltale light: blue Framed areas of this symbol may be solid. The control operating alternately the high beam and the low beam may include two symbols, one for each of the positions: high beam, low beam.	7000-0082
A.02		<b>Low (dipped) beam</b> Framed areas of this symbol may be solid. The control operating alternately the high beam and the low beam may include two symbols, one for each of the positions: high beam, low beam.	7000-0083
A.03		<b>Front fog light</b> Colour of telltale light: green If one control is used for both front and rear fog lights, this symbol shall be used.	7000-0633
A.04		<b>Rear fog light</b> Colour of telltale light: yellow (amber) If one control is used for both front and rear fog lights, the symbol for front fog light (A.03) shall be used.	7000-0634
A.05		<b>Parking lights</b> Lighting switch may be combined with ignition control.	7000-0240
A.06		<b>Position lights</b> Lighting switch may be combined with ignition control.	7000-0456

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
A.07		<b>Master lighting switch</b> Lighting switch may be combined with ignition control.	Application of IEC 60417-5012
A.08		<b>Turn signals</b> Colour of telltale light: green Framed areas of this symbol may be solid.	7000-0084
A.09		<b>Hazard warning</b> Simultaneous operation of both green turn signal tell-tales, or separate red signal. This symbol applies only to the control and to the separate red tell-tale. Framed areas of this symbol may be solid.	7000-0085
A.10		<b>Horn</b>	7000-0244







**Annex B**  
(normative)

**Braking system**

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
B.01		<p><b>Anti-lock brake system, failure</b></p> <p>Colour of telltale light: yellow (amber)</p> <p>The letters "ABS" may match the type style used throughout the instrument panel.</p>	7000-1407

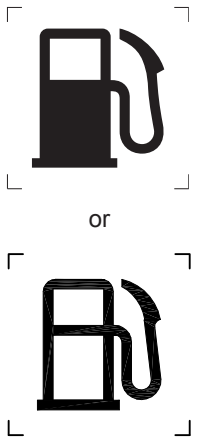
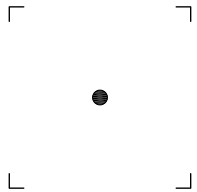
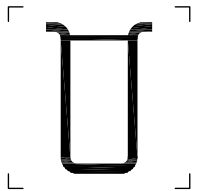
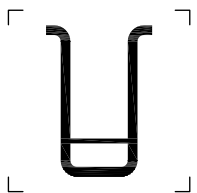
## Annex C (normative)

### Engine

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
C.01		<b>Engine coolant temperature</b> Colour of telltale light: red	7000-0246
C.02		<b>Engine oil</b> Colour of telltale light: red Framed areas of this symbol may be solid.	7000-0248
C.03		<b>Choke</b> Manual choke (cold starting aid) Colour of telltale light: yellow (amber)	7000-0243
C.04		<b>Ignition control of supplemental engine stop (Run)</b>	7000-2425
C.05		<b>Ignition control of supplemental engine stop (Off)</b>	7000-1180
C.06		<b>Engine</b> Colour of telltale light: yellow (amber)	7000-0640

## Annex D (normative)

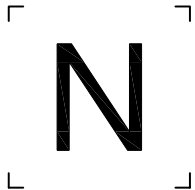
### Fuel system

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
D.01	 <p>The symbol for D.01 consists of two alternative forms. The first is a fuel pump nozzle with a hose. The second is a fuel tank filler cap with a hose. The two forms are separated by the word 'or'.</p>	<p><b>Fuel</b></p> <p>Colour of telltale light: yellow (amber)</p> <p>This symbol may also be used on the filler cap of the fuel tank.</p>	7000-0245
D.02	 <p>The symbol for D.02 is a small solid black circle.</p>	<p><b>Fuel tank shut off valve position, "off"</b></p> <p>Framed areas of this symbol may be solid.</p>	4)
D.03	 <p>The symbol for D.03 is a U-shaped outline with a horizontal bar across the top.</p>	<p><b>Fuel tank shut off valve position, "on"</b></p> <p>Framed areas of this symbol may be solid.</p>	7000-3031
D.04	 <p>The symbol for D.04 is a U-shaped outline with a horizontal bar across the top, similar to D.03 but with a different internal structure.</p>	<p><b>Fuel tank shut off valve position, "reserve"</b></p> <p>Framed areas of this symbol may be solid.</p>	7000-3032

4) Not registered in ISO 7000, but required for motorcycles by UNECE global technical regulation (UNECE/TRANS/180/Add.12).

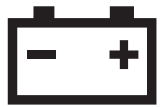

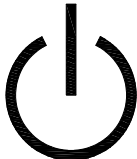


**Annex E**  
(normative)

**Transmission**

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
E.01		<b>Neutral Indicator</b> Colour of telltale light: green May match the type style used throughout the instrument panel.	



**Annex F**  
 (normative)

**Electrical functions in general, and electric or hybrid electric motorcycles**

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
F.01		<b>Battery charging condition</b>  Colour of telltale light: red	7000-0247
F.02		<b>Electric starter; engine electric start</b>	7000-3033A
F.03		<b>Ignition switch</b>	Application of IEC 60417-5009
F.04		<b>On Position (Ignition Switch)</b>	Application of IEC 60417-5007
F.05		<b>Off Position (Ignition Switch)</b>	Application of IEC 60417-5008

**Annex G**  
(normative)

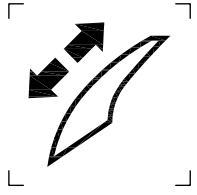
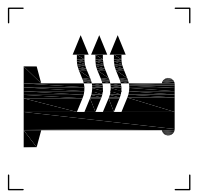
**Security**

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
G.01		Steering Lock	Application of IEC 60417-5569
G.02		Helmet lock (Helmet holder)	7000-3034



**Annex H**  
 (normative)

**Comfort**

Symbol number	Symbol form/shape	Symbol description/application	ISO/IEC registration number
H.01		Windscreen adjustment type	7000-3035
H.02		Handgrip heater	7000-3036

## Bibliography

- [1] ISO 2575, *Road vehicles — Symbols for controls, indicators and tell-tales*
- [2] ISO 3833, *Road vehicles — Types — Terms and definitions*
- [3] ISO 7000, *Graphical symbols for use on equipment — Registered symbols*
- [4] UNECE/TRANS/180/Add.12, 2011, Global technical regulation concerning the location, identification and operation of motorcycle controls, tell-tales and indicators, Addendum 12
- [5] IEC 60417, *Graphical symbols for use on equipment*







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