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**Economic Commission for Europe**

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**World Forum for Harmonization of Vehicle Regulations****Working Party on General Safety Provisions****One hundred second session**

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Item X of the provisional agenda

**Regulation No. 60****(Approval of Two-Wheeled Motor Cycles and Mopeds with regard to Driver Operated Controls including the Identification of Controls, Tell-Tales and Indicators)**

**Proposal for Corrigendum to Regulation No. 60, Uniform Provisions Concerning the Approval of Two-Wheeled Motor Cycles and Mopeds with regard to Driver Operated Controls including the Identification of Controls, Tell-Tales and Indicators**

Submitted by the expert from the International Motorcycles Manufacturers Association\*

The text reproduced below was prepared by the expert from IMMA in order to introduce editorial corrections to the revision of Regulation 60 and the UN GTR on controls, tell-tales and indicators for motorcycles. The modifications to the current text of the Regulation are marked in bold or strikethrough characters.

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In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106 and ECE/TRANS/2010/8, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate

## A. Proposal

### 2. DEFINITIONS

Delete 2.21 and renumber the remainder of definitions

~~2.21. “Footrest” means the projections on either side of the vehicle on which the driver places his/her feet when seated in the driving position.~~

Amend the following definition

2.23. “Anticlockwise” has the inverse meaning; of “Clockwise”

### 5. REQUIREMENTS

#### 5.1 General

A ~~motorcycle~~, **vehicle** if fitted with a control, tell-tale or indicator identified in Table 1, shall comply with the requirements of this global technical regulation with respect to the location, identification, operation, illumination, and colour of that control, tell-tale or indicator

#### 5.2 Location

5.2.1. The controls, listed in Table 1, shall be located so that they are operable and within reach of the driver when seated in the driving position. **However, the controls for Manual Choke and Manual Fuel Tank Shutoff Valve shall be located so that they are operable and within reach of the driver when seated.**

#### 5.3 Identification

5.3.5. All identification symbols for the tell-tales, indicators and controls provided on handle bar or instrument cluster shall be positioned so as to appear to the driver to be perceptually upright except **the symbol** for an audible warning device **control**. For rotating controls that have an "off" position, this requirement applies to the control in the "off" position.







#### 5.5 Colour



5.5.3.2 **amber (yellow):** caution, outside normal operating limits, vehicle system malfunction, damage to vehicle likely, or other condition which may produce hazard in the longer term;

#### 5.6 Common space for displaying multiple messages

5.6.6. Information displayed in the common space may be cancellable automatically or by the driver, except the tell-tales for brake system malfunction, headlamp driving beam, direction indicator and those for which the colour red is required by Table 1 shall not be ~~canceled~~ **cancellable** if the condition exists for their activation

**Table1. Symbols identifying controls, tell-tales and indicators**

No.	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
	ITEM	SYMBOL	FUNCTION	LOCATION	COLOUR	DEFINITION	OPERATION
1	Supplemental engine stop control (OFF)		Control	Located on <del>the right</del> <b>handlebars: right side</b>	-		As a means of stopping the engine, alternative to the main switch or a decompression valve control, the vehicle may be equipped with an engine electrical power supply cut-out (Supplemental engine stop).
2	Supplemental engine stop control (RUN)						
7	<b>Manual</b> Fuel Tank Shutoff Valve <del>Manual</del> (OFF)		Control	The control need not <del>to</del> be visible from the rider's position			<p>The control shall have separate positive positions for "OFF", "ON" and "RESERVE" (where a reserve supply is provided).</p> <p>The control shall be in the ON position when it is in the direction downstream of the flow of fuel from the tank to the engine: in the OFF position when it is in a direction perpendicular to the flow of fuel, and in the RESERVE position (where applicable) when it is in the direction upstream of the flow of fuel.</p> <p>In case of a system in which the fuel flow is stopped when the engine is switched off, and if equipped with a control, the symbols and control positions shall be the same as identified for Manual Fuel Shut-Off Control..</p>
8	<b>Manual</b> Fuel Tank Shutoff Valve <del>Manual</del> (ON)						
9	<b>Manual</b> Fuel Tank Shutoff Valve <del>Manual</del> (RES)						
11	Audible warning device (Horn)		Control	on <del>the left</del> <b>handlebars: left side</b> for vehicles with a gear selection control operated independently of a hand operated clutch <b>or for vehicles without gear selection control.</b> Alternatively, on the			Push to activate

				<p><del>right handlebars:</del>  <b>right side</b> for vehicles with gear selection located on the <del>left</del> <b>handlebars:</b>  <b>left side</b> and operated in conjunction with the hand operated clutch</p>			
12	Driving beam (Main, high or upper beam) – (Hi)		Control	<p>on <del>the left</del> <b>handlebars:</b> <b>left side</b> for vehicles with a gear selection control operated independently of a hand operated clutch <b>or for vehicles without gear selection control..</b> Alternatively, on the <del>right handlebars:</del> <b>right side</b> for vehicles with gear selection located on the <del>left</del> <b>handlebars:</b> <b>left side</b> and operated in conjunction with the hand operated clutch</p>			
			Tell-Tale		Blue		
13	Passing Beam (Dipped, low or lower Beam) - (Lo)		Control	<p>on <del>the left</del> <b>handlebars:</b> <b>left side</b> for vehicles with gear selection control operated independently of a hand operated clutch <b>or for vehicles without gear selection control..</b> Alternatively, on <del>right</del> <b>handlebars:</b></p>			

				<b>right side</b> for vehicles with gear selection located on the <del>left</del> <b>handlebars: left side</b> and operated in conjunction with the hand operated clutch			
			Tell-Tale		Green		
<b>26</b>	Engine Speed Control		Control	On <del>the right</del> <b>handlebars: right side</b>			Hand operated control. <b>Rotating Handgrip</b> Anticlockwise rotation increases speed. The control shall be self-closing to idle in a clockwise direction after release of the hand unless a vehicle speed control device is activated
<b>27</b>	Front wheel brake		Control	On <del>the right</del> <b>handlebars: right side forward</b>			Hand lever The front wheel brake may operate with the rear wheel brake in the case of a combined brake system
<b>28</b>	Foot rear wheel brakes control		Control	On <del>the right side of the frame:</del> <b>right side</b>			Pedal The rear wheel brake may operate with the front wheel brake in the case of a combined brake system
<b>29</b>	Hand rear wheel brake control		Control	On <del>the left</del> <b>handlebars: left side forward</b>			Hand lever Not allowed for vehicles with hand operated clutch The rear wheel brake may operate with the front wheel brake in the case of a combined brake system
<b>31</b>	Clutch		Control	on <del>the left</del> <b>handlebars: left side</b>			Hand lever Squeeze to disengage clutch. Shall not prohibit the use of devices on the left side of the vehicle that combine operations of a clutch and gear selector
<b>32</b>	Foot selector Manual gear shift Control		Control	On <del>the left side of the frame:</del> <b>left side</b>			Foot lever or rocker arm Moving the forward part of the foot lever or rocker arm shall progressively select the gears: upward movement of the forward part for shifting to a higher gear position and downward movement for shifting to a lower gear position. If a separate, positive "neutral" position is provided, it shall be in either the first or second position in the gear selection order (i.e: 1-N-2-3-4-.... or N-1-2-3-4-....).

							<p>However, for vehicles with an engine capacity of less than 200cc, transmissions with the following shift patterns may be fitted:</p> <ul style="list-style-type: none"> <li>- Rotary pattern (i.e. N-1-2-3-4-5-N-1.)</li> <li>- Reverse pattern, where moving the forward part of the foot lever or rocker arm shall progressively select the gears:</li> <li>- upward movement of the forward part for shifting to a lower gear position, and</li> <li>- downward movement for shifting to a higher gear position</li> </ul>
33	Hand Selector Manual gear shift Control		Control	On <del>the left</del> <b>handlebars: left side</b>			<p>If the operation of the control is through rotation of the handgrip, the anticlockwise rotation shall progressively select gears giving an increased forward speed and conversely for a reduced forward speed. If a separate, positive “neutral” position is provided it shall be <b>either</b> in the first position <b>or the second position</b> in the gear selection order (i.e.: N-1-2-3-4-... <b>or 1-N-2-3-4-...</b>).</p>