

Proposal for a supplement to ~~05 and~~ 06 series of Regulation No. 48 (Installation of lighting and light-signalling devices on M, N and O vehicles)

Note: The text below is prepared by the expert from Japan in order to propose an amendment to the 06 series of Regulation No. 48. Modifications to the text are marked in **bold characters for new** or ~~strikethrough for deleted text~~.

I. Proposal

Paragraph 5.11., amend to read:

- 5.11. The electrical connections shall be such that the front and rear position lamps, the end-outline marker lamps, if they exist, the side-marker lamps, if they exist, and the rear registration plate lamp can only be switched ON and OFF simultaneously.
- 5.11.1. This condition does not apply:
 - 5.11.1.1. When front and rear position lamps are switched ON, as well as side-marker lamps when combined or reciprocally incorporated with said lamps, as parking lamps; or
 - 5.11.1.2. When side-marker lamps flash in conjunction with direction indicators; or
 - 5.11.1.3. When light signalling system operates according to ~~6.2.7.6.2.~~ **paragraph 6.19.7.4.**

Paragraph 6.2.7.6., amend to read:

- 6.2.7.6. If daytime running lamps are ~~present and~~ operate according to paragraph 6.19., **either the dipped-beam headlamps shall be switched ON and OFF automatically relative to the ambient light conditions (e.g. switch ON during night-time driving conditions, tunnels, etc.) according to the requirements of Annex 13. In this case, the dipped-beam headlamps shall not be switched OFF manually except when;**

The vehicle speed does not exceed 10 km/h provided they switch ON automatically when the vehicle speed exceeds 10 km/h or when the vehicle has travelled more than 100 m and they remain ON until deliberately switched off again; or

The front fog lamps are switched ON.

- ~~6.2.7.6.1. The dipped-beam headlamps shall be switched ON and OFF automatically relative to the ambient light conditions (e.g. switch ON during night-time driving conditions, tunnels, etc.) according to the requirements of Annex 13; or~~
- ~~6.2.7.6.2. Daytime running lamps operate in conjunction with the lamps listed in paragraph 5.11. where, as a minimum requirement, at least the rear position lamps shall be activated; or~~
- ~~6.2.7.6.3. Distinctive means are provided to inform the driver that the headlamps, position lamps and if so equipped end-outline marker lamps and side marker lamps are not illuminated. Such means are:~~

- ~~6.2.7.6.3.1. Two distinctly different levels of instrument panel illumination intensity are provided during night and day, indicating to the driver that the dipped-beam headlamps shall be switched ON; or~~
- ~~6.2.7.6.3.2. Non-illuminated indicators and identification of hand controls that are required by Regulation No. 121 to be illuminated when the headlamps are activated; or~~
- ~~6.2.7.6.3.3. A tell-tale visual, auditory or both, shall be activated only in reduced ambient lighting conditions as defined in Annex 13 to inform the driver that the dipped-beam headlamps should be switched ON. Once the tell-tale is activated, it shall only be extinguished when the dipped-beam headlamps have been switched on or the device which starts and/or stops the engine (propulsion system) is set in a position which makes it impossible for the engine (propulsion system) to operate.~~

Paragraph 6.2.7.7., amend to read:

- 6.2.7.7. Without prejudice to paragraph 6.2.7.6.4., the dipped-beam headlamps may switch ON and OFF automatically relative to other factors such as time or ambient conditions (e.g. time of the day, vehicle location, rain, fog, etc.)

Paragraph 6.9.8., amend to read:

- 6.9.8. Tell-tale
Circuit-closed tell-tale mandatory. This tell-tale shall be non-flashing and shall not be required if the instrument panel lighting can only be turned on simultaneously with the front position lamps.
- ~~This requirement does not apply when light signalling system operates according to paragraph 6.2.7.6.2.~~

Paragraph 6.10.8., amend to read:

- 6.10.8. Tell-tale
Circuit-closed tell-tale mandatory. It shall be combined with that of the front position lamps.
- ~~This requirement does not apply when light signalling system operates according to paragraph 6.2.7.6.2.~~

Paragraph 6.19.7., amend to read:

- 6.19.7. Electrical connections
- 6.19.7.1. The daytime running lamps shall be switched ON automatically when the device which starts and/or stops the engine (propulsion system) is set in a position which makes it possible for the engine (propulsion system) to operate. However, the daytime running lamps may remain OFF while the following conditions exist:
- 6.19.7.1.1. The automatic transmission control is in the park position; or
- 6.19.7.1.2. The parking brake is in the applied position; or
- 6.19.7.1.3. Prior to the vehicle being set in motion for the first time after each manual activation of the propulsion system.

- 6.19.7.2. The daytime running lamps may be switched OFF manually when the vehicle speed does not exceed 10 km/h provided they switch ON automatically when the vehicle speed exceeds 10 km/h or when the vehicle has travelled more than 100 m and they remain ON until deliberately switched off again.
- 6.19.7.3. The daytime running lamp shall switch OFF automatically when the device which starts and/or stops the engine (propulsion system) is set in a position which makes it impossible for the engine (propulsion system) to operate or the front fog lamps or headlamps are switched ON, except when the latter are used to give intermittent luminous warnings at short intervals.
- 6.19.7.4. The lamps referred to in paragraph 5.11. may be switched ON when the daytime running lamps are switched ON, ~~except if daytime running lamps are operating according to paragraph 6.2.7.6.2., where at least the rear position lamps shall be activated.~~
- 6.19.7.5. If the distance between the front direction-indicator lamp and the daytime running lamp is equal or less than 40 mm, the electrical connections of the daytime running lamp on the relevant side of the vehicle may be such that either:
- (a) It is switched OFF; or
 - (b) Its luminous intensity is reduced during the entire period (both ON and OFF cycle) of activation of a front direction-indicator lamp.
- 6.19.7.6. If a direction-indicator lamp is reciprocally incorporated with a daytime running lamp, the electrical connections of the daytime running lamp on the relevant side of the vehicle shall be such that the daytime running lamp is switched OFF during the entire period (both ON and OFF cycle) of activation of the direction-indicator lamp.
- 6.19.7.7. Except as specified in paragraph 6.19.7.1. to 6.19.7.6., the daytime running lamps shall not be switched OFF.**

II. Justification

1. Paragraphs 6.2.7.6.2. to 6.2.7.6.3.2. in the current regulation are deleted in this proposal, since these paragraphs are transitional provisions only for the 05 series of amendments (i.e., alternative requirements for paragraph 6.2.7.6.1.). They should not be specified as the requirements of the 06 series of amendments.
2. This proposal clarifies that the drivers cannot switch OFF the dipped-beam headlamps manually when they are switched ON automatically according to paragraph 6.2.7.6.1.
3. This proposal clarifies that daytime running lamps shall not be switched OFF except as specified in paragraphs 6.19.7.1. to 6.19.7.6. For example, DRLs shall not be switched OFF when only the position lamps are ON.