

Direction Indicator Lamp Height Issue

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Background & Objective

- Recently, there has been an increase in cases where rear direction-indicator lamps are mounted in a low position on vehicles(e.g. within a rear bumper)
 - domestic and non-domestic brands
- As a result, there are numerous public/civil petitions and news articles regarding visibility and recognition of the lighting signal with rear direction-indicator lamps (mounted at a low position) in Korea
- Republic of Korea would like to share the issue regarding direction-indicator lamps and ask questions about the minimum height requirement of the current UN Regulation

Issues from public/civil petitions and media

- There may be a potential increase in accident risk due to reduced visibility and recognition, compared to direction-indicator lamps installed at a relatively higher position
- In congested traffic conditions, especially for vehicles with a higher driver seating position (e.g. SUVs), it may be difficult to identify direction-indicator lamps of the vehicle ahead

* Similar issue in other country

e.g. The Drive(online media), "Why Some Cars Have Silly Bumper-Mounted Brake Lights and Turn Signals" (googlable)

Vehicle Regulation

- UN Regulation No.48 (related to rear direction indicator lamps)
 - 6.5.4.2.2. The height of the direction-indicator lamps of categories 1, 1a, 1b, 2a and 2b, measured in accordance with paragraph 5.8., shall not be less than 350 mm and not more than 1,500 mm.
 - If the structure of the vehicle does not permit these upper limits, measured as specified above, to be respected, and if the optional rear lamps are not installed, they may be increased to 2,100 mm for the direction-indicator lamps of categories 2a and 2b.
 - If optional rear lamps are installed, they shall be placed at a height compatible with the applicable requirements of paragraph 6.5.4.1., the symmetry of the lamps, and at a vertical distance as large as the shape of the bodywork makes it possible, but not less than 600 mm above the mandatory lamps.
- Stop lamps: same minimum height requirement

Questions

- Any similar issues in other CPs and manufacturers?



* The Image is built by generative AI

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Thank you very much !



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