

# Amendment to Regulations of Automobile Safety Standards

January 2006

Ministry of Construction and Transportation

## **1. Reasons For Amendment**

To widen the indication exemption range of total vehicle weight of trucks up to less than 10 tons in order to decrease pressure on automobile manufacturers and to improve and complete the operation management of current Regulations as well as to accord with international regulations such as brake systems of connected automobiles, etc.

## **2. Main Contents**

A. Accordance of some parts of the Regulations for brake systems of connected automobiles with international regulations (provision, Article 15.7)

B. Change of indication exemption range for total vehicle weight of trucks from no more than 1.4 tons of maximum loads to less than 10 tons of total vehicle weight (provision, Article 19.2)

C. Accordance of some contents of the Regulation for front fog lights with international regulations (provision, Article 38.2)

D. Accordance of some contents of reflection capacity and figure of rear reflector or reflection plate (provision, Article 49 and 107, Annex 29)

E. Restriction of the location of fire extinguisher to the surroundings of the driver's seat and a seat next to the driver's seat in the case of shared vehicles (provision, Article 57)

F Accordance of brake function Regulations with international regulations in the case of circling of connected automobiles (provision, Article90)

G. Accordance of door opening prevention system Regulations with international regulations (provision, Article104)

H. Legalization of operation of temporarily fallen or added apparatus for public purposes such as road repair and snow removal works by the application as a special case (provision, Article114)

Ministry of Construction and Transportation Act No.

## Amendment to Regulations of Automobile Safety Standards

Some Regulations of Automobile Safety Standards shall be amended as follows

Article 2.25.2 shall be newly added as follows.

25.2. “Emergency brake system” means a brake system, which a driver can use to stop his or her automobile in the case of a malfunction of one of the main braking system connections while driving.

In Article 15.1.2 and 7.4, “of main brake system” shall be replaced by “of main brake system connection” and Article 15.7.4.2 shall be newly added as follows.

4.2 The main brake system of a towed automobile shall have a structure whereby it works simultaneously linked to the main brake system as well as emergency brake system or handbrake. It shall not be applied, however, in the case of a single automatic brake of a towed car in emergency.

Article 15.7.5 shall be newly added as follows.

5. The handbrake function of the connection status of air brake system of a towed automobile and handbrake of a towing automobile shall be suitable for handbrake function operated only mechanically. In the case of a structure where a driver can be sure of such a function, however, a linked operation may be allowed.

In Article 19.2, “maximum load amount is no more than 1.4 tons” shall be replaced by “total vehicle weight is less than 10 tons”.

Article 38.2.1.1 and 4 shall be newly added as follows.

1. Reflecting direction shall be forward and both ends shall be equipped with each one.

4. The focus of light shall be symmetrical on the right and left sides from a vehicle

central axis, the lowest part of radiation surface shall be 25 centimetres above the ground in the case of an empty automobile, and the uppermost side of the radiation surface shall be built level with or lower than the uppermost side of the radiation surface of the headlight.

In Article 38.2.1.5, “with other light system” shall be replaced by “with headlight”.

In Article 49.2, “total vehicle weight is more than 8 tons or maximum load amount is more than 4.5 tons” shall be replaced by “total vehicle weight is more than 7.5 tons”.

In Article 49.2.1.a, “reflector” shall be replaced by “yellow reflector” and “0.08 m<sup>2</sup>” shall be replaced by “600 cm<sup>2</sup>”.

In Article 49.2.1.b, “rear reflector size” shall be replaced by “red reflector size” and “0.04 m<sup>2</sup>” shall be replaced by “400 cm<sup>2</sup>”.

In Article 49.2.1.d, “height” shall be replaced by “vertical height” and in the same paragraph d, (2) shall be written as follows.

(2) square: 210+ 30, -5mm

In Article 49. 2.1. f, “rear reflector” shall be replaced by “rear reflector or red reflector” and “20 ±1mm” shall be replaced by “40 ± 1 mm”

Article 49.2.1.g shall be deleted.

In Article 49.2.3.a, “yellow or amber” shall be replaced by “yellow or red”.

In the main contents of Article 57, a new condition shall be added as follows.

In the case of a car holding more than 11 passengers, however, at least one fire extinguisher shall be located around the driver’s seat or a seat next to the driver’s seat.

In Article 57. 2, a, “more than one fire extinguisher above capacity unit 2” shall be replaced by “more than two fire extinguishers above capacity unit 2 or capacity unit 1”.

In Article 90.6, a condition shall be written as follows.

In the case of a connection automobile in the form of a pull-trailer, however, which is suitable for the regulations of 2 or 3 of the same Article or whose maximum speed is less than 60 kilometres, it shall not be applied.

In Article 104. 2, “of a side door entrance” shall be replaced by “of a back door entrance (hereinafter, “back door”) where a passenger can get on and off, or cargo can be loaded, as well as of a side door”.

In Article 104.2.1.b, “it will be such a structure” shall be replaced by “it shall be such a structure and in the case of a back door, it shall be a structure to be able to bear the weight of 905 kilograms in the vertical direction of an automobile.”, and “it shall bear” in the rear paragraph shall be replaced by “it shall be a structure able to bear and in the case of a back door, it shall bear the weight of 730 kilograms of the vertical direction of an automobile.”.

In Article 104.2.1.c, “in the width direction of an automobile” shall be replaced by “in the width direction of an automobile (in the case of a back door, the vertical direction of an automobile)”.

In Article 104.2.1.e, “it will be such a structure” shall be replaced by “it shall be such a structure and in the case of a back door, it shall be a structure able to bear the weight of 905 kilograms of the vertical direction of an automobile.”, and “it shall bear” in the rear paragraph shall be replaced by “it shall be a structure able to bear and in the case of a back door, it shall bear the weight of 730 kilograms of the vertical direction of an automobile.”.

Article 104.2.2 shall be written as follows.

2. In the case of a sliding entrance (except the entrance of a small automobile),
  - a. The door locking system shall have a structure distinguishing complete closure point and mid-closure point.
  - b. The door locking system shall have a structure capable of bearing the weight of 1,130 kilograms in the length direction of an automobile and of bearing the

weight of 905 kilograms in the width direction of an automobile at the point of complete closure.

- c. The door locking system shall have a structure capable of maintaining complete closure point when afflicted by the load of inertia, which is 30 times as big as acceleration of gravity in length or width direction of an automobile, at complete closure point.
- d. The door locking system shall have a structure capable of bearing 450 kilograms in the length direction of an automobile and in the width direction of an automobile at middle closure point.
- e. The distance between door supportive parts and a door shall be less than 100mm and the final displacement range in the width direction of each load imposing system shall be 300 mm as each supportive part located at both ends of a door is afflicted by the weight of 905 kilograms in the width direction of an automobile when the door is closed.

In the main contents of Article 107, “as well as a rear reflector” shall be replaced by “the reflection capacity of a rear reflector”, and “minimum reflection capacity is” shall be replaced by “figure and reflection capacity etc. are”.

In Article 111.2, “Article 29.4 of 「Electric Wave Act」 ” shall be replaced by “Article 56 of 「Electric Wave Act」 ”.

Article 114.8 shall be newly added as follows.

Ⓢ The standards designated in these Regulations shall not be applied to rear crash shock relief system or sand spreading system, which is temporarily added to or fallen off a vehicle, for public purposes such as road repair and snow removal.

In the table of Annex 5.4, to the part of “headlight, front fog light, the headlight of two-wheeled vehicle”, lamp types shall be added as follows.

Electric Power Standard of Each Lamp for Automobiles (Article 48.3 and Article 82.3 related)

USE	Lamp Type	Electric Power(Watt)	
		6 volt 45/40	12 volt 45/40 55/50
Headlight, front fog light, the headlight of two-wheeled vehicle	H1	55	70
	H2	55	70
	H3	55	70
	H4	35/35	35/35, 60/55 75/70
	H7	-	55 70
	H8	-	35 -
	H8B	-	35 -
	H9	-	65 -
	H9B	-	65 -
	H10	-	45 -
	H11	-	55 70
	H11B	-	55 70
	H12	-	53 -
	H13	-	55/60 -
	H14	-	55/60 -
	HB2	-	72/65 -
	IIB3	-	60 -
	HB3A	-	60 -
	HB4	-	51 -
	HB4A	-	51 -
	H1R1	-	65 -
	H1R2	-	55 -
	H27W/1	-	27 -
	H27W/2	-	35 -
	D1S	-	35 35
	D2S	-	35 35
	D1R	-	35 35
	D2R	-	35 35
	D3S	-	35 -
	D3R	-	35 -
	D4S	-	35 -
	D4R	-	35 -
	1A1	-	55 -
	2A1	-	43/65 -
	2B1	-	70/60 -
	1C1	-	55 -
	2C1	-	43/65 -
	2D1	-	65/55 -
	2E1	-	70/60 -
	UF	-	70 -
	LF	-	60 -
	1G1	-	55 -
	2G1	-	43, 65 -
	2H1	-	70/60 -
	HB1	-	50/70 -
HB2	-	65/72 -	
HB3	-	70 -	
HB4	-	60 -	
HB5	-	60/70 -	
HS1	35	35 -	
HS2	15	15 -	
HS5	-	30/35 -	
S1	25/25	25/25 -	
S2	35/35	35/35 -	
S3	15	15 -	
Reversing light, headlight of two-wheeled vehicle and front fog light			
Omission (same as now)			

In the table of Annex 14, injury standards of paragraph 1 shall be as follows.

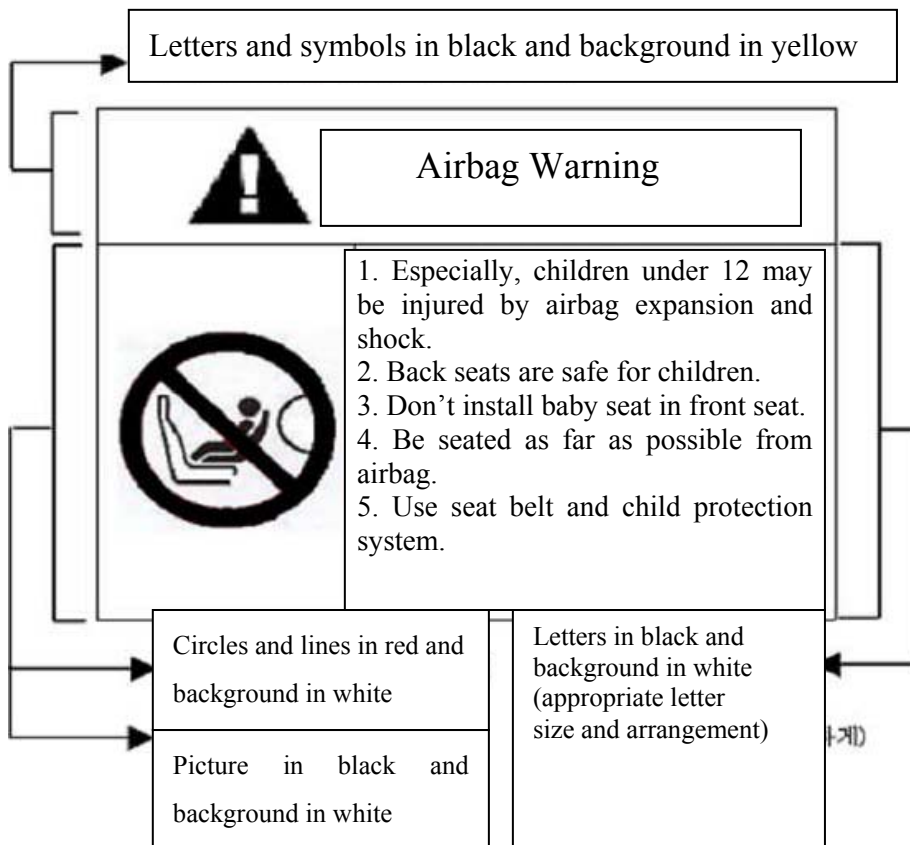
Injury Standards Of Model of Human Body In The Case Of a Crash (Article 102.1 related)

Measuring Condition	Injury Standards
<p>1. Injury standards of the model of human body seated on a driver's seat and on a seat located horizontally next to the driver's seat (except a middle seat) when crashed directly against a fixed wall at the speed of 48.3 Km per hour,</p>	<p>A. Injury standards number, calculated according to the following method, shall be less than 1,000</p> $\left[ \frac{1}{t_2 - t_1} \int_{t_1}^{t_2} a dt \right]^{2.5} (t_2 - t_1)$ <p>a : combined acceleration indicated by a multiple of acceleration of gravity  t<sub>1</sub>, t<sub>2</sub> : random two instants having a distance less than 36/1,000 seconds during a crash</p> <p>B. Acceleration of gravity on chest shall not exceed 60 times acceleration of gravity for not more than 3/1,000 seconds continuously.</p> <p><u>C. Compressed load on hips and thighs shall not exceed 1,020 kg.</u></p> <p><u>D. No part of the model of the human body shall be located outside the car.</u></p> <p><u>E. In the case of use of model III, compressed range amount on chest bones shall not exceed 76.2 mm.</u></p>



Annex 14.5 shall be as follows

Automobile Airbag Warning (Article 102.3 related)



In Annex 20.1.a, notice:1) of the notice section shall be as follows.

Notice: 1) Cut-off-line shall be located 50cm below H line.







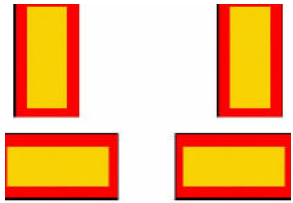
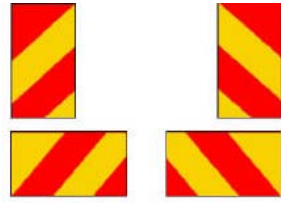
Annex 29.2 shall be as follows and Annex 29.3 will be newly added as follows.

Reflection Function Standards of Rear Reflector etc (Article 107 related)

1. Omission (same as present)
2. Reflection function of rear reflection plate or rear reflection paper (cd/lux · m<sup>2</sup>)

Angle of Incidence (degree)	Angle of Observation (0.33 degree)	
	Yellow reflector	Red reflector
5R	300	10
30R	180	7
40R	75	4
60R	10	-

### 3. Rear Reflector Figure and Adhesion Method

Adhesion Type	Trailer	Truck and Tractor
Type 1	 <p>·Inside: yellow (reflector) Horizontal (1130-2300mm), vertical (195-230mm) ·frame: red (rear reflector or reflector) thickness: 40± 1mm</p>	 <p>·Inside: yellow (reflector) ·slant (dark and bright parts): red (rear reflector or reflector) horizontal: 1130-2300mm, vertical: 140± 10mm, slant width: 100±2.5mm, slant inclination: 45±5°</p>
Type 2	 <p>Horizontal: 565-1150mm, vertical: 195-230 mm, frame: 40± 1mm</p>	 <p>Horizontal: 565-1150mm, vertical: 140± 10mm, slant width: 100±2.5mm, slant inclination: 45±5°</p>
Type 3	 <p>Size: same as type 2</p>	 <p>Size: same as type 2</p>
Type 4	 <p>Size: a half size of type 3</p>	 <p>Size: a half size of type 3</p>

Notice: Choose 1 of 4 above

### **Subsidiary Act**

①(the date of the enforcement) This notice shall take effect as of the day of notice announcement. Amended regulations of Annex 14.5, however, shall take effect after 3 months from notice announcement and amended regulations of Article 49 and Annex 29 shall take effect as of 1 January 2007. Furthermore, amended regulations of the conditions of Article 57 and Article 104 shall take effect as of 1 January 2008.

②(actual application according to amendments of safety regulations) This Amendment of Regulations shall start to be applied to manufactured or imported automobiles for the first time after the enforcement of this Amendment.

### Comparison of Old and New Provisions

Present	Amendment	Reason
<p>Article 2(definition)1.- 25.(omission) &lt;Newly added&gt;</p> <p>26.-28.(omission)</p> <p>Article 15(brake system) <math>\phi</math> (omission)</p> <p>1. (omission)</p> <p>2. In the case of malfunction in one connection of main brake system, the structure shall have other connections, which are not influenced by aforementioned malfunction, can be used to stop a vehicle, to control brake power step by step and to brake continuously.</p> <p>3.-12. (omission)</p> <p><math>\phi</math>-<math>\phi</math> (omission)</p>	<p>Article 2(definition)1.- 25.(same as present)</p> <p>25.2 “<u>Emergency brake system</u>” means a brake system, which a driver can use to stop his or her automobile in the case of a malfunction of one of the main braking system connections while driving.</p> <p>26.-28.(same as present)</p> <p>Article 15(brake system) <math>\phi</math> (same as present)</p> <p>1. (same as present)</p> <p>2. <u>Of main brake system</u></p> <p>3.-12. (same as present)</p> <p><math>\phi</math>-<math>\phi</math> (same as present)</p>	<p>-Addition of term definition</p> <p>Clarification of phrase</p>

<p>ø(omission)</p> <p>1.-3. (omission)</p> <p>4. (omission)</p> <p>a. <u>Of one connection of main brake system</u>, in the case of malfunction, other connections, which are not influenced by aforementioned malfunction, shall be able to control the brake of a towed vehicle and to stop it.</p> <p>b.-c. (omission)</p> <p>&lt;Newly added&gt;</p> <p>5. <u>The brake system of a towed vehicle shall have a structure, which works in connection with the handbrake of a towing vehicle. In this case, the handbrake shall be able to work only via the mechanical handbrake of a towing vehicle.</u></p>	<p>ø (same as present)</p> <p>1.-3. (same as present)</p> <p>4. (same as present)</p> <p>a. <u>Of main brake system</u>,</p> <p>b.-c. (same as present)</p> <p>4.2. <u>The main brake system of a towed automobile shall have a structure where it works x simultaneously linked to the main brake system as well as emergency brake system or handbrake. It shall not be applied, however, in case of single automatic brake of a towed car in emergency.</u></p> <p>5. <u>The handbrake function of the connection status of the air brake system of a towed automobile and handbrake of a towing automobile shall be suitable for handbrake function operated only mechanically. In the case of a structure where a driver can be sure of such a function, however, a</u></p>	<p>Clarification of phrase</p> <p>-Accordance with international safety regulations (ECE Regulations)</p> <p>- Accordance with international safety regulations (ECE Regulations)</p>
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<p>Article 19(chassis and car-body) ϕ(omission)</p> <p>⊗ At the back of trucks, designated total vehicle weight and maximum load amount (in the case of a tank lorry, total vehicle weight, maximum load volume and product name) shall be indicated and at the back or right side of a special vehicle for tow, an added weight of vehicle weight and the weight of number of allowed passengers shall be indicated. For other vehicles, at the rear, designated maximum load amount shall be indicated. In the case of a <u>maximum load amount of less than 1.4 tons</u>, however, total vehicle weight may not be indicated.</p> <p>⊗-⊗(omission)</p> <p>Article 38.2(fog light) ϕ (omission)</p> <p>1. <u>Main light axis of reflective light shall be lower than the centre point of a lamp and shall not reflect outwardly from the outline of a vehicle, and one</u> for each end shall be</p>	<p><u>linked operation may be allowed.</u></p> <p>Article 19(chassis and car-body) ϕ(same as present)</p> <p>⊗</p> <p><u>no more than 10 tons</u></p> <p>⊗-⊗(same as present)</p> <p>Article 38.2(fog light) ϕ (same as present)</p> <p>1. <u>Direction of reflective light shall be toward the front,</u></p>	<p>Relief of ineffective regulations in terms of purpose and operation of law</p> <p>Accordance with international safety regulations (ECE Regulations)</p>
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<p>installed.</p> <p>2.-3. (omission)</p> <p>4. The focus of light shall be symmetrical from a vehicle central line, the lowest part of the radiation surface shall be <u>25 centimetres above the ground</u> in the case of an empty automobile, and shall be built level with or <u>lower</u> than the headlight.</p> <p>5. With a rear lamp off, regardless of <u>other light systems</u>, a structure shall be able to turn the light on or off.</p> <p>Article 49 (rear reflector etc.)<sup>φ</sup>(omission)</p> <p><sup>φ</sup>At the back of trucks and special purpose vehicles whose <u>total weight is more than 8 tons and maximum load amount is more than 4.5 tons</u>, a rear reflector plate or rear reflector paper shall be installed, according to each standard below, symmetrically between right and left from the central axis of the vehicle.</p> <p>1. (omission)</p> <p>a. <u>Reflector area</u> (if</p>	<p>2.-3. (same as present)</p> <p>4. <u>the lowest part of radiation surface shall be 25 centimetres above the ground and the uppermost side of the radiation surface shall be built level with or lower than the uppermost side of radiation surface of the headlight.</u></p> <p>5. _____  <u>headlight</u>  _____  _____  _____</p> <p><sup>φ</sup> _____  _____  <u>total weight is more than 7.5 tons</u>  _____  _____  _____  _____  _____  _____  _____</p> <p>1. (same as present)</p>	<p>Accordance with international safety regulations (ECE Regulations)</p> <p>Accordance with international safety regulations (ECE Regulations)</p> <p>Accordance with international safety regulations (ECE Regulations)</p> <p>Accordance with international safety regulations (ECE Regulations)</p>
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<p>there are more than two, it means their sum total) shall be more than <u>0.08 m<sup>2</sup></u></p> <p>b. <u>Rear reflector area</u> (if there are more than two, it means their sum total) shall be more than <u>0.04 m<sup>2</sup></u></p> <p>c. (omission)</p> <p>d. <u>Height</u> of reflector plate (1) (omission) (2) square: <u>210±20 mm</u></p> <p>e. (omission)</p> <p>f. Frame width of square rear reflector: <u>20±1mm</u></p> <p>g. Slant lower middle part or inside lower part shall become reflectors</p> <p>2. (omission)</p> <p>3. (omission)</p> <p>a. Reflector: yellow or amber</p> <p>b. (omission)</p> <p>4-5. (omission)</p> <p>Article 57 (fire extinguisher installation) A, B or C type fire extinguisher shall be installed in an easily</p>	<p>a. <u>Yellow reflector</u> _____ _____ _____ <u>600cm<sup>2</sup></u></p> <p>b. <u>Rear reflector or red reflector area</u> _____ _____ <u>400 cm<sup>2</sup></u> _____</p> <p>c. (same as present)</p> <p>d. <u>Vertical height of reflector</u> (1)(same as present) (2) square: <u>200+30. -5mm</u></p> <p>e. (same as present)</p> <p>f. _____ <u>rear reflector or red reflector: 40±1mm</u></p> <p>g. &lt;deleted&gt;</p> <p>2. (same as present)</p> <p>3. (same as present)</p> <p>a. yellow or red</p> <p>b. (same as present)</p> <p>4.-5. (same as present)</p> <p>Article 57 (fire extinguisher installation)_____ _____</p>	<p>safety regulations (ECE Regulations)</p>
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<p>reachable place in a vehicle according to following standards. &lt;<u>newly added condition</u>&gt;</p> <p>1. (omission)  2. (omission)  a. A shared vehicle allowed for fewer than 15 passengers: <u>more than one fire extinguisher with more than capacity unit 2</u></p> <p>b.-c. (omission)  3. (omission)</p> <p>Article 90(brake system) (omission)  1.-5.(omission)  6. In the case of circling of a linked vehicle with air type (including air booster oil pressure type) main brake system, brake capacity shall meet the standard of Annex 7.6. <u>However, a linked vehicle in pull trailer style with a maximum speed of less than 60 km per hour shall be excluded.</u></p>	<p>_____</p> <p>_____</p> <p>_____</p> <p>_____ for a shared vehicle <u>holding more than 11 passengers, however, at least one fire extinguisher shall be installed close to the driver's seat or the seats next to the driver's seat.</u></p> <p>1. (same as present)  2. (same as present)  a. _____</p> <p>_____ :<u>more than one fire extinguisher with more than capacity unit 2 or two fire extinguishers with more than capacity unit 1</u></p> <p>b.-c. (omission)  3. (omission)</p> <p>Article 90(brake system) (same as present)  1.-5.(same as present)  6. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____ <u>However, a vehicle meeting the standard of paragraph 2 or 3, and a linked vehicle in pull trailer</u></p>	<p>Making possible prompt action in case of emergency by installing fire extinguishers close to driver</p> <p>Accordance with international safety regulations (ECE Regulations)</p>
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<p>direction of an automobile and of bearing the weight of 730 kilograms in the width direction of an automobile.</p>	<p><u>automobile.</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><u>, and in the case of a back door, its structure shall bear the weight of 730 kilograms in the vertical direction of an automobile.</u></p>	
<p>c. The door locking system shall have a structure capable of maintaining the complete closure point when afflicted by the load of inertia, which is 30 times as great as acceleration of gravity in the length or <u>width</u> <u>direction</u> of an <u>automobile</u>, at the complete closure point.</p>	<p>c. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><u>width</u></p> <p><u>direction of an automobile(in the case of a back door, vertical direction of an automobile)</u></p> <p>_____.</p>	<p>Accordance with international safety regulations (GTR Regulations)</p>
<p>d. (omission)</p> <p>e. The door hinge system <u>shall have a structure</u> to be able to bear the weight of 1,130 kilograms in the length direction of an automobile and of bearing the weight of 905 kilograms in the width direction of an automobile at the point</p>	<p>d. (same as present)</p> <p>e. _____</p> <p>_____</p> <p><u>and in case of a back door, its structure shall bear the weight of 905 kilograms in the vertical direction of an automobile.</u></p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>Accordance with international safety regulations (GTR Regulations)</p>



	<p><u>closure.</u></p> <p><u>c. The door locking system shall have a structure capable of maintaining the complete closure point when affected by the load of inertia, which is 30 times as great as the acceleration of gravity in the length or width direction of an automobile, at the complete closure point.</u></p> <p><u>d. The door locking system shall have a structure capable of bearing 450 kilograms in the length direction of an automobile and in the width direction of an automobile at the mid-closure point.</u></p> <p><u>e. The distance between door supportive parts and the door shall be less than 100mm and the final displacement range in the width direction of each load imposing system shall be 300 mm as each supportive part located at both ends of a door is affected by the weight of 905 kilograms in the width direction of an automobile when the door</u></p>	<p>Accordance with international safety regulations (ECE Regulations)</p>
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<p><del>Article 107(rear reflector etc.) The <u>minimum reflective function of rear reflector</u> at the back of an automobile and rear reflector plate and paper according to the regulation of Article 49.2 shall meet the regulations of Annex 29.</del></p> <p>Article 111.2 (electric wave disturbance-proof system) Electric wave disturbance-proof system of an automobile shall meet electric wave disturbance-proof standards of an automobile and ignition engine drive appliances, and electric wave tolerance standards according to the regulation of <u>Article 29.4 of 「Electric Wave Act」</u> .</p> <p>Article 114(special case of rule application) ① - ② (omission) <u>&lt;Newly added&gt;</u></p>	<p><u>is closed.</u></p> <p>Article 107(rear reflector etc.) <u>The figure and reflective function etc. of reflective function of rear reflector</u></p> <p>— — — —</p> <p>—</p> <p>Article 111.2 (electric wave disturbance-proof system)_____</p> <p>— — — — — — — —</p> <p><u>Article 56 of 「Electric Wave Act」 .</u></p> <p><u>Article 114(special case of rule application) ①-② (same as present)</u></p> <p>⑧ The standards designated in these Regulations shall not be applied to rear crash shock</p>	<p>Provision adjustment following the amendment of 「Electric Wave Act」</p>
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	<p>relief system or sand spreading system, which is temporarily added to or fallen off a vehicle, for public purposes such as road repair and snow removal.</p>	<p>- The application as a special case for public purposes such as road repair and legal operation of vehicles</p>
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