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 m²" shall be replaced by "600 cm²".
- In Article 49.2.1.b, "rear reflector size" shall be replaced by "red reflector size" and "0.04 m²" shall be replaced by "400 cm²".
- 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 ± 1 mm" 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 Felectric 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 twowheeled vehicle", lamp types shall be added as follows.

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

	T T	6 volt –	Electric Po	
USE	Lamp Type	45/40	12 volt	24 ³ volt
	R2		45/40	55/50
	H1	55	55	70
	H2	55	55	70
	H3	55	55	70
	H4	35/35	35/35, 60/55	75/70
	H7	-	55	70
	H8	-	35	-
	II8B		35	<u> </u>
	H9 H0P	-	65	-
	H9B H10		<u>65</u> 45	
	<u>H10</u>		45 55	70
	IIIIB	<u> </u>	55	70
	H12	-	53	<u></u>
	<u>H12</u>		55/60	
	<u>H14</u>	-	55/60	-
	HB2	-	72/65	_
	IIB3		60	
	HB3A	—	60	-
	HB4	-	51	-
	HB4A		51	-
	HIR1	_	65	-
	HIR2	-	55	-
	H27W/1	-	27	-
adlight, front fog light, the headlight of two-wheeled vehicle	H27W/2	-	35	-
	D1S	-	35	35
	D2S	-	35	35
	DIR		35	35
	D2R D2S	-	35	35
	D3S		<u>35</u> 35	-
	D3R D4S		35	-
	D4S D4R	<u> </u>	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	-
I	HS1 HC0	35	35	-
Headlight of two-wheeled vehicle and front fog light	HS2	<u>15</u>	15	-
rescangit of two wheeled vehicle and none log light	HS5	-	30/35	-
	S1	25/25	25/25	-
	S2	35/35	35/35	-
	S3	15	15	-
versing light, headlight of two-wheeled vehicle and front f	õg		(same as now)	

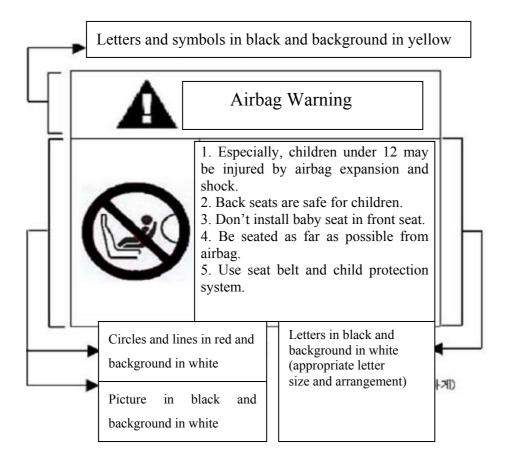
In the table of Annex 14, injury standards of paragraph 1 shall be as follows.

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

Measuring Condition	Injury Standards
1. Injury standards of the model of human	A. Injury standards number, calculated
body seated on a driver's seat and on a seat	according to the following method, shall
located horizontally next to the driver's	be less than 1,000
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,	$\begin{bmatrix} \frac{1}{t_2 - t_1} \int_{t_1}^{t_2} a dt \end{bmatrix}^{2.5} (t_2 - t_1)$ a : combined acceleration indicated by a multiple of acceleration of gravity t1, t2 : random two instants having a distance less than 36/1,000 seconds during a crash B. Acceleration of gravity on chest shall not exceed 60 times acceleration of gravity for not more than 3/1,000 seconds continuously. C. Compressed load on hips and thighs
	<u>shall not exceed 1,020 kg.</u><u>D. No part of the model of the human</u>body shall be located outside the car.
	E. In the case of use of model III,
	compressed range amount on chest bones
	shall not exceed 76.2 mm.

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 et(Article 107 related)

- 1. Omission (same as present)
- 2. Reflection function of rear reflection plate or rear reflection paper (cd/lux \cdot m²)

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

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

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.

Present	Amendment	Reason
Article 2(definition)1	Article 2(definition)1	-Addition of term definition
25.(omission)	25.(same as present)	
< <u>Newly added></u>	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.	
2628.(omission)	2628.(same as present)	
Article 15(brake system) Φ	Article 15(brake system) ©	
(omission)	(same as present)	
1. (omission)	1. (same as present)	
2. In the case of malfunction	2. Of main brake system	Clarification of phrase
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.		
312. (omission)	312. (same as present)	
2-6 (omission)	◊-৩ (same as present)	

Comparison of Old and New Provisions

Ø(omission)	♂ (same as present)	
13. (omission)	13. (same as present)	
4. (omission)	4. (same as present)	Clarification of phrase
a. Of one connection of main	a. <u>Of main brake system</u> ,	Charmeation of philase
brake system, in the case of	a. <u>Of main brake system</u> ,	
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.		
bc. (omission)	bc. (same as present)	
< <u>Newly added></u>	4.2. <u>The main brake</u>	-Accordance with international
	system of a towed	safety regulations
	automobile shall have a	(ECE Regulations)
	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.	
5. The brake system of a	5. The handbrake function	- Accordance with international
towed vehicle shall have a	of the connection status of	safety regulations
structure, which works in	the air brake system of a	(ECE Regulations)
connection with the	towed automobile and	
handbrake of a towing	handbrake of a towing	
vehicle. In this case, the	automobile shall be	
handbrake shall be able to	suitable for handbrake	
work only via the mechanical	function operated only	
handbrake of a towing	mechanically. In the case	
vehicle.	of a structure where a	
	driver can be sure of such	
	a function, however, a	

allowed. Article 19(chassis and car- body) *(omission)allowed. Article 19(chassis and car- body) *(same as present)*At the back of trucks, designated total vehicle weight and maximum load amount (in the case of a tank torry, 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. For other vehicles, at the rear, designated maximum load amount shall be indicated. be -\$(same as present)Relief of ineffective regulations in terms of purpose and operation of lawArticle 38.2(fog light) * (omission)Article 38.2(fog light) * (same as present)Accordance with international safety regulations (EE Regulations)1. 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,1. Direction of reflective reflective light shall be lower than the centre point of a lamp and shall not reflect outwardly from the outline of a vehicle,Article 38.2(fog light) * light shall be lower than the centre point of a lamp and shall not reflect outwardly from the outline of a vehicle,Article 38.2(fog light) * light shall be lower than the centre point of a lamp and shall not reflect outwardly from the outline of a vehicle,Article 38.2(fog light) * light shall be lower than the centre point of a lamp light shall be lower than the centre point of a lamp and shall not reflect outwardly from the outline of a vehicle,Article 38.2(fog light) * li		linked operation may be	
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the case of a <u>maximum load</u> amount of less than 1.4 tons, however, total vehicle weight may not be indicated.	designated maximum load		
amount of less than 1.4 tons, however, total vehicle weight may not be indicated. 	amount shall be indicated. In	no more than 10 tons	Relief of ineffective regulations
however, total vehicle weight may not be indicated. $ o - 0$ (omission) $ o - 0$ (same as present) $ anticle 38.2(fog light) \circ (same as present)) anticle 38.2(fog light) \circ (same as pr$	the case of a maximum load		in terms of purpose and
may not be indicated. \$\omega-\omega(omission)\$\omega-\omega(same as present)\$\omega-\omega(same as present)Article 38.2(fog light) \$\omega (omission)Article 38.2(fog light) \$\omega (same as present)\$\omega Article 38.2(fog light) \$\omega (same as present)1.Main light axis of reflective light shall be lower 	amount of less than 1.4 tons,		operation of law
ه. • • • (omission)ه. • • • (same as present)الالحالArticle 38.2(fog light) • • (omission)Article 38.2(fog light) • • (same as present)الحال1. <u>Main light axis of reflective light shall be lower</u> light shall be lower1. <u>Direction of reflective</u> light shall be toward the front,Accordance with international safety regulations (ECE Regulations)and shall not reflect outwardly from the outline of a vehicle,Front,ECE Regulations (ECE Regulations)	however, total vehicle weight		
Article 38.2(fog light) ()Article 38.2(fog light) ()Article 38.2(fog light) ()1. 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,I. Direction of reflective front,Accordance with international safety regulations (ECE Regulations)	may not be indicated.		
Article 38.2(fog light) ()Article 38.2(fog light) ()Article 38.2(fog light) ()1. 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,I. Direction of reflective front,Accordance with international safety regulations (ECE Regulations)	-	♂-⊗(same as present)	
(omission)(same as present)Accordance with international1. Main light axis of1. Direction of reflectiveAccordance with internationalreflective light shall be lowerlight shall be toward thesafety regulationsthan the centre point of a lampfront,(ECE Regulations)and shall not reflect outwardlyImage: Comparison of the outline of a vehicle,Image: Comparison of the outline of a vehicle,		· · · · · ·	
(omission)(same as present)Accordance with international1. Main light axis of1. Direction of reflectiveAccordance with internationalreflective light shall be lowerlight shall be toward thesafety regulationsthan the centre point of a lampfront,(ECE Regulations)and shall not reflect outwardlyImage: Comparison of the outline of a vehicle,Image: Comparison of the outline of a vehicle,	Article 38.2(fog light) ()	Article 38.2(fog light) Φ	
1. Main light axis of reflective 1. Direction of reflective Accordance with international safety regulations reflective light shall be lower light shall be toward the safety regulations safety regulations than the centre point of a lamp and shall not reflect outwardly from the outline of a vehicle, front, (ECE Regulations)	(omission)	(same as present)	
reflective light shall be lowerlight shall be toward thesafety regulationsthan the centre point of a lampfront,(ECE Regulations)and shall not reflect outwardlyImage: Comparison of a vehicle,Image: Comparison of a vehicle,from the outline of a vehicle,Image: Comparison of a vehicle,Image: Comparison of a vehicle,			Accordance with international
than the centre point of a lamp and shall not reflect outwardly from the outline of a vehicle,front,(ECE Regulations)			safety regulations
and shall not reflect outwardly from the outline of a vehicle,		-	
from the outline of a vehicle,	· · ·	_	
	-		
	and one for each end shall be		

installed.		
23. (omission)	23. (same as present)	
4. The focus of light shall	4.	Accordance with international
be symmetrical from a	the lowest part of	safety regulations
vehicle central line, the	radiation surface shall be	(ECE Regulations)
lowest part of the radiation	25 centimetres above the	
surface shall <u>be 25</u>	ground and the uppermost	
centimetres above the	side of the radiation	
ground in the case of an	surface shall be built level	
empty automobile, and	with or lower than the	
shall be built level with or	uppermost side of	
lower than the headlight.	radiation surface of the	
	<u>headlight.</u>	
5. With a rear lamp off,		Accordance with international
regardless of other light	5.	safety regulations
systems, a structure shall be	headlight	(ECE Regulations)
able to turn the light on or		
off.		
	<u> </u>	
Article 49 (rear reflector		
etc.) (omission)		
[©] At the back of trucks and		Accordance with international
special purpose vehicles	Ø	safety regulations
whose total weight is more		(ECE Regulations)
than 8 tons and maximum	total weight is more	
load amount is more than	than 7.5 tons	
4.5 tons, 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.		
1. (omission)		
a. <u>Reflector area</u> (if	1. (same as present)	Accordance with international

		–
there are more than	a. <u>Yellow reflector</u>	safety regulations
two, it means their		(ECE Regulations)
sum total) shall be		
more than 0.08 m^2		
b. <u>Rear reflector area</u>	<u>600cm²</u>	
(if there are more	b. <u>Rear reflector or red</u>	
than two, it means	reflector area	
their sum total) shall		
be more than 0.04		
\underline{m}^2	400 cm ²	
c. (omission)		
d. <u>Height</u> of reflector	c. (same as present)	
plate	d. <u>Vertical height</u> of	
(1) (omission)	reflector	
(2) square:	(1)(same as present)	
<u>210±20 mm</u>	(2) square: <u>200+30.</u>	
e. (omission)	<u>-5mm</u>	
f. Frame width of	e. (same as present)	
square rear	f	
reflector: <u>20±1mm</u>	rear reflector or red	
g. Slant lower	reflector: 40±1mm	
middle part or	g. <deleted></deleted>	
inside lower part		
shall become		
reflectors		
2. (omission)		
3. (omission)	2. (same as present)	
a. Reflector: yellow	3. (same as present)	
or amber	a. yellow	
b. (omission)	or red	
4-5. (omission)	b. (same as present)	
	45. (same as present)	
Article 57(fire extinguisher		
installation) A, B or C type	Article 57 (fire	
fire extinguisher shall be	extinguisher installation)	
installed in an easily		

reachable place in a vehicle		
according to following		
standards. < <u>newly added</u>		Making possible prompt action
<u>condition></u>	for a shared vehicle	in case of emergency by
	holding more than 11	installing fire extinguishers
	passengers, however, at	close to driver
	least one fire extinguisher	
	shall be installed close to	
	the driver's seat or the	
	seats next to the driver's	
1. (omission)	<u>seat.</u>	
2. (omission)	1. (same as present)	
a. A shared vehicle	2. (same as present)	
allowed for fewer than 15	a	
passengers: more than		
one fire extinguisher with	:more than one fire	
more than capacity unit 2	extinguisher with more than	
	capacity unit 2 or two fire	
	extinguishers with more than	
bc. (omission)	capacity unit 1	
3. (omission)	bc. (omission)	
	3. (omission)	
Article 90(brake system)		
(omission)	Article 90(brake system)	
15.(omission)	(same as present)	
6. In the case of circling of	15.(same as present)	
a linked vehicle with air type	6	
(including air booster oil		
pressure type) main brake		
system, brake capacity shall		
meet the standard of Annex		Accordance with international
7.6. <u>However, a linked vehicle</u>		safety regulations
in pull trailer style with a	However, a vehicle	(ECE Regulations)
maximum speed of less than	meeting the standard of	
<u>60 km per hour</u> shall be	paragraph 2 or 3, and a	
excluded.	linked vehicle in pull trailer	

	. 1	
	style with a maximum speed	
	of less than 60 km per hour	
Article 104(door entrance)	<u>shall not.</u>	
©(omission)	Article 104(door entrance)	
[©] The structure of side door	• (same as present)	Accordance with international
entrance lock and hinge	of side door	safety regulations
system of a vehicle, except	and back door where a	(GTR Regulations)
middle-size and big-sized	passenger can get on and off,	
vehicles, shall meet the	and cargo can be loaded	
following standards. This	(hereinafter, "back door")	
regulation, however, shall not		
apply to the entrance with		
wheelchair entrance, foldable		
entrance, the entrance with		
rolling-up structure and an		
entrance to be added or fallen		
off.	_	
1. (omission)		
a. (omission)	1. (same as present)	
b. The door locking	a. (same as present)	
system shall <u>have a</u>	b	
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		Accordance with international
of complete closure. In		safety regulations
the case of small-	, and in the	(GTR Regulations)
sized automobiles,	case of a back door, its	
however, it shall bear	structure shall bear the	
the weight of 910	weight of 905 kilograms in	
kilograms in the length	the vertical direction of an	
		1

	direction of an	automobile.	
	automobile and of		
	bearing the weight of		
	730 kilograms in the		
	width direction of an		
	automobile.	, and in the case of a back	
		door, its structure shall bear	
		the weight of 730	
		kilograms in the vertical	
		direction of an automobile.	
c.	The door locking	C	
	system shall have a		
	structure capable of		
	maintaining the		
	complete closure point		
	when afflicted by the		
	load of inertia, which		Accordance with international
	is 30 times as great as		safety regulations
	acceleration of gravity	width	(GTR Regulations)
	in the length or width	direction of an automobile(in	
	direction of an	the case of a back door,	
	automobile, at the	vertical direction of an	
	complete closure	automobile)	
	point.	<u> </u>	
d.	(omission)		Accordance with international
e.	The door hinge system	d. (same as present)	safety regulations
	shall have a structure	e	(GTR Regulations)
	to be able to bear the		
	weight of 1,130	and in case of a back door,	
	kilograms in the length	its structure shall bear the	
	direction of an	weight of 905 kilograms in	
	automobile and of	the vertical direction of an	
	bearing the weight of	automobile.	
	905 kilograms in the		
	width direction of an		
	automobile at the point		

of complete closure. In the case of small-sized		
uic case of sman-sized		
automobiles however		
automobiles, however,		
it <u>shall bear</u> the weight		
of 910 kilograms in	,	
the length direction of		
an automobile and		
bear the weight of 730		
kilograms in the width		
direction of an		
automobile.		
	and in the case of	
	a back door, its structure	
	shall bear the weight of 730	
	kilograms in the vertical	
2. In the case of a sliding	direction of an automobile.	
door (except the entrance	2	Accordance with international
of a small-sized		safety regulations
automobile),		(GTR Regulations)
when a door is closed, a		
skid-proof system <u>shall</u>	a. The door locking	
not divert from its orbit as	system shall have a	
the weight of 905	structure distinguishing	
<u>kilograms in width</u>	complete closure point	
direction of an automobile	and middle closure point.	
is simultaneously imposed	b. The door locking	
on each supporting part of	system shall have a	
an entrance on both sides	structure capable of	
of the door.	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	
door (except the entrance of a small-sized automobile), when a door is closed, a skid-proof system shall not divert from its orbit as the weight of 905 kilograms in width direction of an automobile is simultaneously imposed on each supporting part of an entrance on both sides	kilograms in the vertical direction of an automobile. 2. <u>a. The door locking</u> system shall have a structure distinguishing complete closure point and middle closure point and middle 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	safety regulations

1	
closure.	
<u>c. The door locking</u>	
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.	
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.	
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	Accordance with international
load imposing system	safety regulations
shall be 300 mm as each	(ECE Regulations)
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	

Article 107(rear reflector	is closed.	
etc.) The minimum		Provision adjustment following
reflective function of rear		
reflector at the back of an	, -	the amendment of Felectric
automobile and rear	reflective function of rear	
		Wave Act]
reflector plate and paper	reflector	
according to the regulation		
of Article 49.2 shall meet		
the regulations of Annex		
29.		
	<u> </u>	
Article 111.2 (electric		
wave disturbance-proof		
system) Electric wave	1	
disturbance-proof system	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 Article 29.4 of		
Electric Wave Act	Article 56 of Felectric	
	TT 7 A	
Article 114(special case of	Wave Act	
rule application) • - •	Article 114(special case	
(omission)	of rule application) Φ - \emptyset	
<pre><newly added=""></newly></pre>	(same as present)	
	The standards	
	designated in these	
	Regulations shall not be	
	applied to rear crash shock	
	"PP nou to rour orubit billook	

relief system or sand spreading system, which is temporarily added to or fallen off a vehicle, for	- The application as a special
public purposes such as road repair and snow removal.	case for public purposes such as road repair and legal operation of vehicles