

# COMMERCIAL VEHICLE (GOODS) INSPECTION GUIDELINES

(Customer References Only)



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### INTRODUCTION

PUSPAKOM is Malaysia's vehicle inspection specialist. Our inspections protect motorists, passengers, road users and increase road safety.

Puspakom Sdn Bhd (PUSPAKOM) is Malaysia's first and only comprehensive national vehicle inspection company appointed by the Malaysian Government to undertake all mandatory inspections for both commercial and private vehicles. Incorporated in 1994, we are a wholly-owned subsidiary of DRB-HICOM Berhad. Our main roles are to conduct inspection on vehicles as to assist vehicle owners in ensuring the safety and roadworthiness of their vehicles as well as to ensure vehicle owners are in compliance with the regulations on preserving the environment via the emission test. This will be done through our strict and thorough inspection on vehicles to ensure they conform to the Government's safety and emission regulations.

Every year, PUSPAKOM performs more than 3 million vehicle inspections. PUSPAKOM has established a nationwide network of 56 full-fledged and well-equipped inspection centres, complemented by more than 25 inspection visiting sites that provide vehicle inspection services in Malaysia's less populated and rural areas.

PUSPAKOM's Mobile Inspection Services which comprise of Mobile Lorry, Mobile Van and Lamp Mobile, also provide convenient and hassle-free door-to-door vehicle inspection services to our individual and corporate customers. We pride ourselves in delivering fast, efficient and accurate vehicle inspection that are of professional standard.

This guideline is meant to provide a better understanding of the vehicle inspection at our branches. This includes the types of inspections, fees, documentation, inspection standard and other useful guidance. All information in this guideline intended to provide guidance for customers in preparing their vehicles for inspection.

## ABBREVIATION

JPJ	- Jabatan Pengangkutan Jalan/Road Transport Department
JPJKA	- Jabatan Pengangkutan Jalan/Road Transport Department (Automotive Engineering)
APAD	- Agensi Pengangkutan Awam Darat/Land Public Transport Agency
LPKP	- Lembaga Pelesenan Kenderaan Perdagangan/ Commercial Vehicle Licensing Board
JAS	- Jabatan Alam Sekitar/Department of Environment
JPJK2	- Vehicle Registration Card
VOC	- Sijil Pemilikan Kenderaan / Vehicle Ownership Certificate
SSM	- Suruhanjaya Syarikat Malaysia / Companies Commission of Malaysia
COM	- Sijil Perakuan Pembuatan / Certificate of Manufacture
PMA	- Perakuan Mesin Angkat / Certificate of Fitness
PG11A	- Initial Inspection Report
PG1	- Notice of Prohibition of Use of a Motor Car
STB	- Weight Certificate
SKO	- Semi Trailer Container
BDM	- Laden weight
BTM	- Unladen weight
BGK	- Combined Vehicle Weight
BK	- Kerb Weight
ROH	- Rear Overhang
FOH	- Front Overhang
Decontrolled	- Vehicle with BDM 7500 kg and below and carrying own items only
Carrier's License 'A'	- Vehicle for the carriage of goods for hire or reward
Carrier's License 'C'	- Vehicles that carry their own merchandise for or in connection with any trade or business being carried out
KA	- Carrier's License 'A' (Container)
T Symbol	- Vehicle Type – Trailer

**DEFINITION OF COMMERCIAL VEHICLES (GOODS)**

- i. Goods Vehicles means any motor vehicle built or adapted for the purpose of carrying goods.
- ii. Semi Trailers means a vehicle drawn by a motor vehicle in such a manner that part of the trailer is superimposed on the motor vehicle and a substantial part of the weight of the trailer and its load is borne by the motor vehicle.
- iii. Trailers means a vehicle drawn by a motor vehicle in such a manner that none of the weight of such trailers (excluding the draw bar) is transmitted to the road surface by the wheels or tracks of the drawing vehicle.

This definition refers to the Motor Vehicles (Construction and Use) Rules 1959.

**LIST OF TRADE VEHICLES (GOODS)**
**Articulated Vehicle**

Double Semi - General Cargo Trailer

Double Semi Trailer - Luton / Box

Double Semi Trailer Container

Double Semi Trailer Petrol

Double Semi Trailer Open Platform

Double Semi Trailer Dumper / Tipper

Jeep

Tow Jeep

Mobile Library Vehicles

Mobile Services Clinic

Food Catering Lorry

Rigid Lorry - Agricultural Products

Mobile Advertisement Lorry

Mobile Machinery Lorry

Rigid Lorry - General Cargo

Rigid Lorry - Beverage Bottles

Rigid Lorry - Concrete Mixer

Lorry Rigid Lorry - Dumper / Tipper

Lorry Rigid Lorry - Roll On Roll Off

Lorry Rigid Lorry - Animal Cages

Lorry Rigid Lorry - Timber / Jinker

Lorry Rigid Lorry - Combination

Lorry Rigid Lorry - Luton / Boxes

Lorry Rigid Lorry - Corpse

Lorry Rigid Lorry - Open Platform

Lorry Rigid Lorry - Mobile Service

Lorry Rigid Lorry - Refrigerated

Lorry Rigid Lorry - Waste

Lorry Rigid Lorry - Tow

Lorry Rigid Lorry - Driving Test

Rigid Lorry - Vehicle Carrier

Rigid Lorry - Slurry

Rigid Tank Lorry - Water

Rigid Tank Lorry - Bitumen

Rigid Tank Lorry - Drinks

Rigid Tank Lorry - Diesel

Rigid Tank Lorry - Multiple

Rigid Tank Lorry - Gas

Rigid Tank Lorry - Kerosin

Rigid Tank Lorry - Chemical

Rigid Tank Lorry - Rubber

Rigid Tank Lorry - Palm Oil

Rigid Tank Lorry - Waste

Rigid Tank Lorry - Lubricant

Rigid Tank Lorry - Petrol

Rigid Tank Lorry - Flour

Motocar - Corpse

Multipurpose Passenger Car

Multi Purpose Vehicle

Motorcycle with Side Car (Product)

Motorcycle

Motorcycle Utilities

Pick-Up Mobile Services

Main Drivers

Pick-Up

Pick-Up Tow

Semi Trailer - Amusement

Semi Trailer - Multiple axles

Scraper

Shovel

Semi Trailer - Mobile Machinery

Semi Trailer - Timber Jinker

Semi Trailer - General Cargo

Semi Trailer - Dumper / Tipper

Semi Trailer - Animal Cage

Semi Trailer - Luton / Box

Semi Trailer - Container

Semi Trailer - Garbage

Semi Trailer - Low Loader

Semi Trailer - Bottle Drinks

Semi Trailer - Open Platform

Semi Trailer - Mobile Service

Semi Trailer - Pole Type

Semi Trailer - Refrigerated

Semi Trailer - Roll On Roll Off

Semi Trailer Cement Tank

Semi Trailer - Slurry

Semi Trailer Tank - Water

Semi Trailer Tank - Bitumen

Semi Trailer Tank - Drinks

Semi Trailer Tank - Diesel

Semi Trailer Tank - Gas

Semi Trailer Tank - Chemical

Semi Trailer Tangki - Rubber

Semi Trailer Tangki - Palm Oil

Semi Trailer Tangki - Waste

Semi Trailer Tangki - Lubricant

Semi Trailer Tangki - Petrol

Semi Trailer Sugar

Semi Trailer Tank - Flour

Semi Trailer - Driving School

Semi Trailer - Vehicle Carrier

Trailer - Multiple

Trailer - Own Item

Trailer - Food Catering

Trailer - Agricultural products

Trailer - Mobile Advertisement

Trailer - Mobile Machinery

Trailer - Generator

Trailer - General Cargo

Trailer - Animal Cage

Trailer Horse stable

Trailer - Mobile Service

Agricultural Tractor

Tipper Tractor

Trailer - Small Boat (Sampan) / Boat

Multipurpose Tractor

Trailer - Tipper / Dumper

Trailer - Tank

Trailer - Vehicle Carrier

Corpse Van

Window Van

Panel Van

Semi-Panel Van

Mobile Service Van

Security Van



## DOCUMENTATION

Required Documents		
Initial Inspections	NEW (Unregistered)	USED (Registered)
	<ul style="list-style-type: none"> <li>❖ Sales Letter from Authorised Dealer (Original)</li> <li>❖ Certificate of Manufacture (Original)</li> <li>❖ Vehicle Type Approval (VTA)</li> <li>❖ Vehicle Plan (Original)</li> <li>❖ Weight Certificate</li> <li>❖ Copy of Business Registration (SSM)</li> <li>❖ Approval Letter for modification from authorities **</li> <li>❖ APAD / LPKP Approval Offer Letter **</li> <li>❖ Customs Excise Form K1 / K7 / K8 **</li> <li>❖ Certificate from the Department of Occupational Safety and Health / PMA (for machinery vehicles only)**</li> <li>❖ Certification Letter of Green Engine from SIRIM**</li> </ul>	<ul style="list-style-type: none"> <li>❖ JPJK2 / VOC / Original/ Details of Vehicles Registration from JPJ</li> <li>❖ Vehicle Plan / Latest PG11A (for tank vehicle i.e. Tanker, Cement Mixer, Compactor)</li> <li>❖ Copy of Business Registration (SSM)</li> <li>❖ Approval Letter for modification from authorities **</li> <li>❖ APAD / LPKP Approval Offer Letter **</li> <li>❖ Customs Excise Form K1 / K7 / K8 **</li> <li>❖ Certificate from the Department of Occupational Safety and Health / PMA (for machinery vehicles only)**</li> <li>❖ Certification Letter of Green Engine from SIRIM**</li> </ul>
Routine Inspection	<ul style="list-style-type: none"> <li>❖ JPJK2 / VOC / Original/ Details of Vehicles Registration from JPJ</li> <li>❖ Latest Inspection Certificate (Perakuan Pemeriksaan)</li> <li>❖ Receipt of summon or compound of the JPJ (If a vehicle fails to attend inspection on the required date)</li> <li>❖ Approval Letter for Inspection Postponement Date (If the vehicle fails to attend inspection on the appointment date)</li> </ul>	

## COMMERCIAL VEHICLE (GOODS) INSPECTION GUIDELINES

Re-inspection	<ul style="list-style-type: none"> <li>❖ JPJK2 / VOC / Original/ Details of Vehicles Registration from JPJ</li> <li>❖ Latest Inspection Report (VR1 / A16)</li> <li>❖ PG1 (Failed Brake Test 3 times consecutively) **</li> <li>❖ Approval Letter for modification from authorities **</li> </ul>
Special Inspection	<ul style="list-style-type: none"> <li>❖ JPJK2 / VOC / Original/ Details of Vehicles Registration from JPJ</li> <li>❖ Documents related to inspection purpose</li> <li>❖ Approval Letter for modification from authorities **</li> </ul>
Directive Authority	<ul style="list-style-type: none"> <li>❖ JPJK2 / VOC / Original/ Details of Vehicles Registration from JPJ</li> <li>❖ Documents related to inspection purpose</li> </ul>

Note: \*\*if related

### INSPECTION FEE

INSPECTION FEE					
	Lorry BDM ≥ 6000kg	Lorry BDM ≤ 5999kg	Trailer / Semi Trailer	Motorcycle Side Car	Prime Mover, Van, Jeep, Pickup
Initial inspection	85	70	90	40	70
Routine	65	55	75	35	55
Re-inspection	30	25	40	20	25
Special	50	50	50	30	50
JPJ Directive	35				
Voluntary Inspection	50				
Voluntary Inspection (Single Item)	15				

Note: Inspection fee is subject to 6% Service Tax

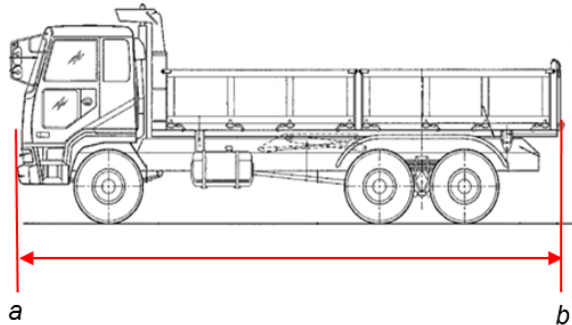
## INSPECTION PROCEDURE

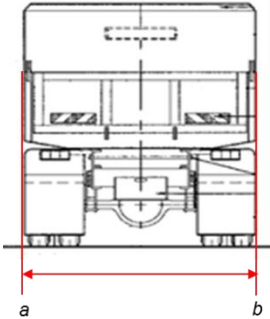
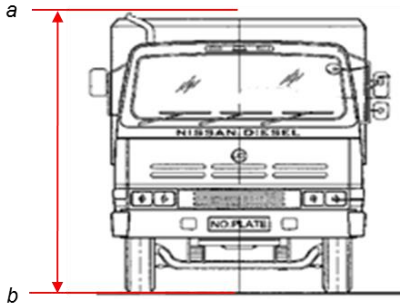
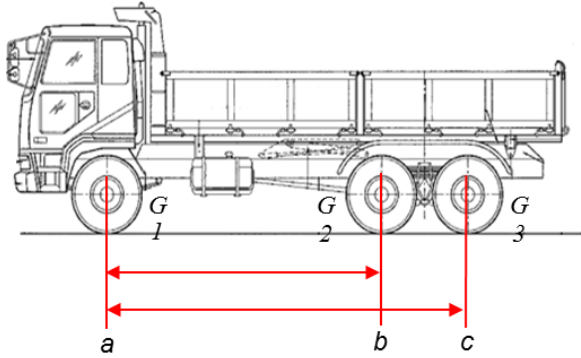
### WEIGHING OF VEHICLE

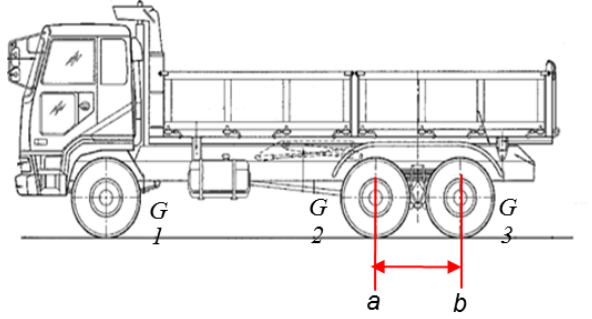
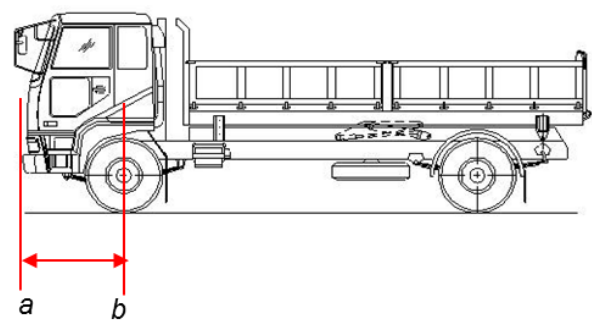
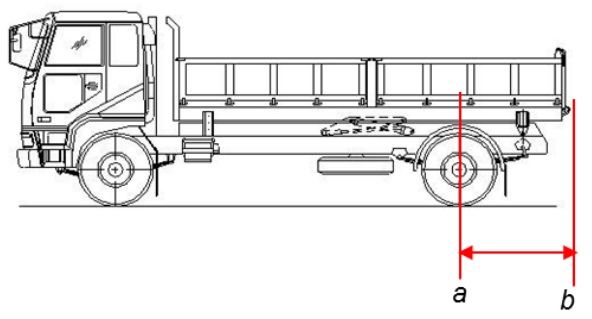
No	Exceed Unladen Weight (BTM)	Approval By
1	Overweight $\leq 5\%$	Branch Manager
2	Overweight between $> 5\% - \leq 10\%$	PUSPAKOM Head Office: <i>Vehicle Plan Verification Section</i>
3	Overweight $> 10\%$	JPJ KA

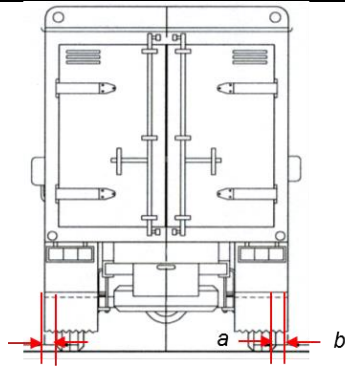
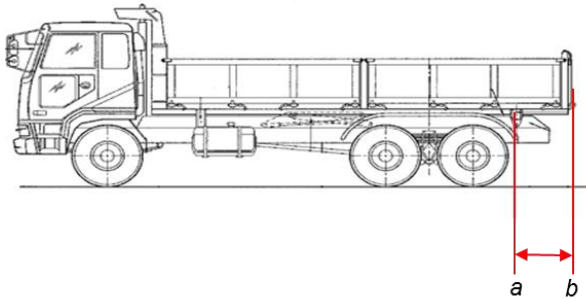
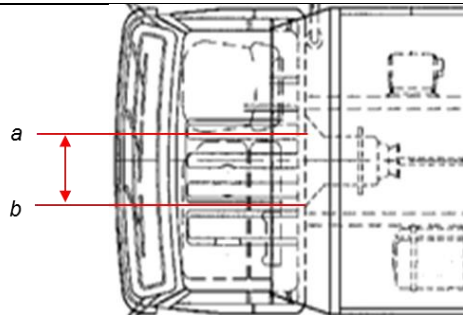
Note: Subject to current directive

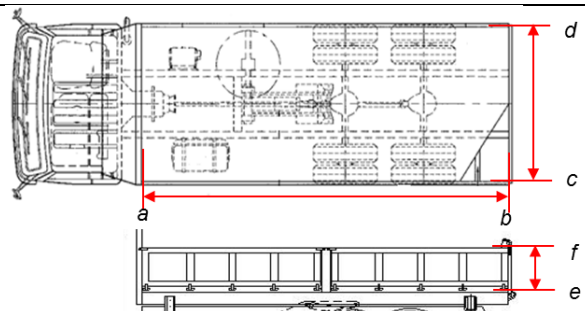
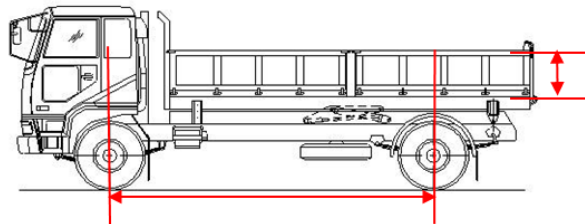
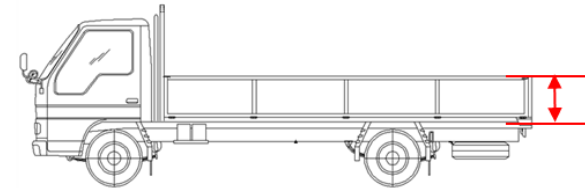
### MEASUREMENT OF VEHICLE

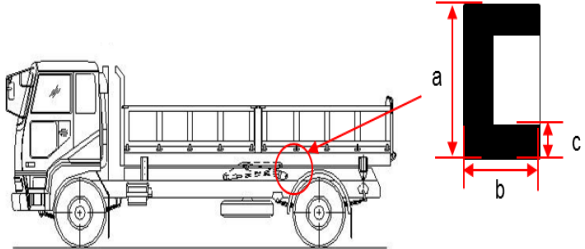
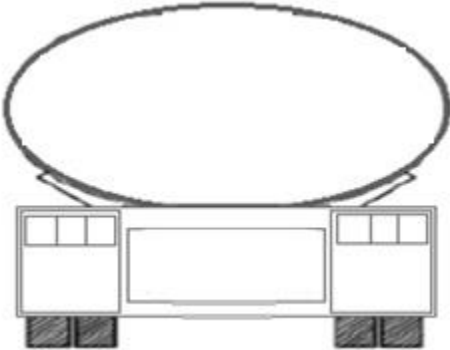
Item	Visual	Specification
Overall Length	 <p>The diagram shows a side profile of a truck. A red double-headed arrow indicates the measurement of the overall length from the front bumper (point 'a') to the rear of the trailer (point 'b').</p>	<ul style="list-style-type: none"> <li>• Rigid = 12200 mm</li> <li>• Semi-Trailer = 12500 mm</li> <li>• Articulated Vehicle = 16000 mm</li> <li>• Trailer = 9000 mm</li> <li>• Trailer Truck = 18000 mm</li> <li>• B Double = 25000 mm</li> </ul>

Overall Width		<ul style="list-style-type: none"> <li>• <math>\leq 2500</math> mm</li> <li>• Guided by the Vehicle Plan</li> </ul>
Overall Height		<ul style="list-style-type: none"> <li>• <math>\leq 4200</math> mm or <math>1.75 \times</math> rear wheel track (whichever is lower)</li> <li>• Guided by the Vehicle Plan</li> </ul>
Wheelbase		<ul style="list-style-type: none"> <li>• Guided by the Vehicle Plan / Weight Certificate</li> </ul>

<p>Axle</p>		<ul style="list-style-type: none"> <li>Guided by the Vehicle Plan / Weight Certificate</li> </ul>
<p>Front Overhang</p>		<ul style="list-style-type: none"> <li>Guided by the Vehicle Plan / Weight Certificate</li> </ul>
<p>Rear Overhang</p>		<ul style="list-style-type: none"> <li><math>\leq 50\%</math> of wheelbase (Rigid Vehicles, Semi-Trailers, Articulated Vehicle, Trailers, B Double)</li> <li><math>\leq 60\%</math> from wheelbase (Concrete Mixer, Compactor, Vehicle Carrier)</li> <li>Guided by the Vehicle Plan</li> </ul>

Side Overhang		<ul style="list-style-type: none"> <li>• <math>\leq 152</math> mm</li> <li>• Guided by the Vehicle Plan</li> </ul>
Pivot Pin (Tipper)		<ul style="list-style-type: none"> <li>• Wheelbase &lt; 4200 mm, Pivot Pin 610 mm</li> <li>• Wheelbase <math>\geq</math> 4200 mm, Pivot Pin 762 mm</li> <li>• Guided by the Vehicle Plan</li> </ul>
Space at Driver's Side		<ul style="list-style-type: none"> <li>• <math>\geq 381</math> mm for one seating</li> </ul>

Floor		<ul style="list-style-type: none"><li>Guided by the Vehicle Plan</li></ul>															
Sideboard (Tipper)		<ul style="list-style-type: none"><li>Guided by the Vehicle Plan</li></ul> <table><tr><th>BDM (kg)</th><th>Side Board &amp; Tail Board (mm)</th></tr><tr><td>BDM ≤ 2500 kg</td><td>≤ 305 mm</td></tr><tr><td>BDM 2501 – 5999 kg (Wheelbase ≤ 2500mm)</td><td>≤ 406 mm</td></tr><tr><td>BDM 2501 – 5999 kg (Wheelbase &gt; 2500m)</td><td>≤ 305 mm</td></tr><tr><td>BDM 6000 – 20999 kg</td><td>610 mm</td></tr><tr><td>BDM ≥ 2100 kg</td><td>762 mm</td></tr></table>	BDM (kg)	Side Board & Tail Board (mm)	BDM ≤ 2500 kg	≤ 305 mm	BDM 2501 – 5999 kg (Wheelbase ≤ 2500mm)	≤ 406 mm	BDM 2501 – 5999 kg (Wheelbase > 2500m)	≤ 305 mm	BDM 6000 – 20999 kg	610 mm	BDM ≥ 2100 kg	762 mm			
BDM (kg)	Side Board & Tail Board (mm)																
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BDM 2501 – 5999 kg (Wheelbase > 2500m)	≤ 305 mm																
BDM 6000 – 20999 kg	610 mm																
BDM ≥ 2100 kg	762 mm																
Sideboard (Cargo)		<ul style="list-style-type: none"><li>Guided by the Vehicle Plan</li></ul> <table><tr><th>BDM (kg)</th><th>Side Board &amp; Tail Board (mm)</th><th>Railing (mm)</th></tr><tr><td>&lt; 6000</td><td>610</td><td>610</td></tr><tr><td>6000 – 9999</td><td>762</td><td>762</td></tr><tr><td>10000 – 13999</td><td>813</td><td>813</td></tr><tr><td>≥ 14000</td><td>914</td><td>914</td></tr></table>	BDM (kg)	Side Board & Tail Board (mm)	Railing (mm)	< 6000	610	610	6000 – 9999	762	762	10000 – 13999	813	813	≥ 14000	914	914
BDM (kg)	Side Board & Tail Board (mm)	Railing (mm)															
< 6000	610	610															
6000 – 9999	762	762															
10000 – 13999	813	813															
≥ 14000	914	914															

Subframe		<ul style="list-style-type: none"> <li>Guided by the Vehicle Plan</li> </ul>
Tank Overall Measure		<ul style="list-style-type: none"> <li>Guided by the Vehicle Plan</li> </ul>



IDENTITY CHECK

Chassis number	<ul style="list-style-type: none"> <li>Must be cleared, distinct and untampered numbers and surface</li> </ul>
Engine number	<ul style="list-style-type: none"> <li>The same number as recorded on JPJK2 / VOC / Details of Vehicles Registration from JPJ / COM / Custom Excise Form</li> </ul>
Registration number plate	<ul style="list-style-type: none"> <li>The letters &amp; figures are in White and the surface is in Black</li> <li>Letters and figures size, refer to Diagram 1 and Diagram 1a                             <ul style="list-style-type: none"> <li>i. Height : 70mm</li> <li>ii. Width : 40mm</li> <li>iii. Thickness : 10mm</li> <li>iv. Space between letter and figure : 30mm</li> <li>v. Space between letters and figure : 10mm</li> <li>vi. Space between numbers and figure : 10mm</li> </ul> </li> </ul>

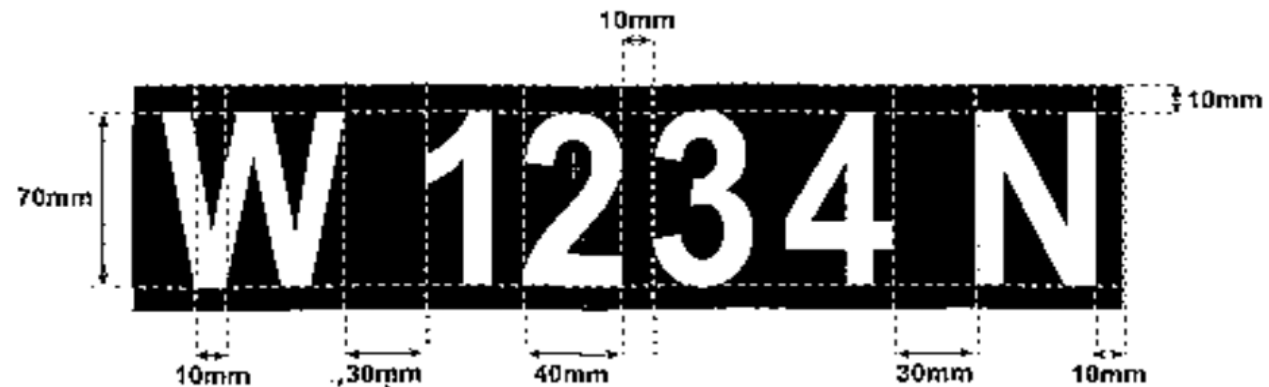


Diagram 1

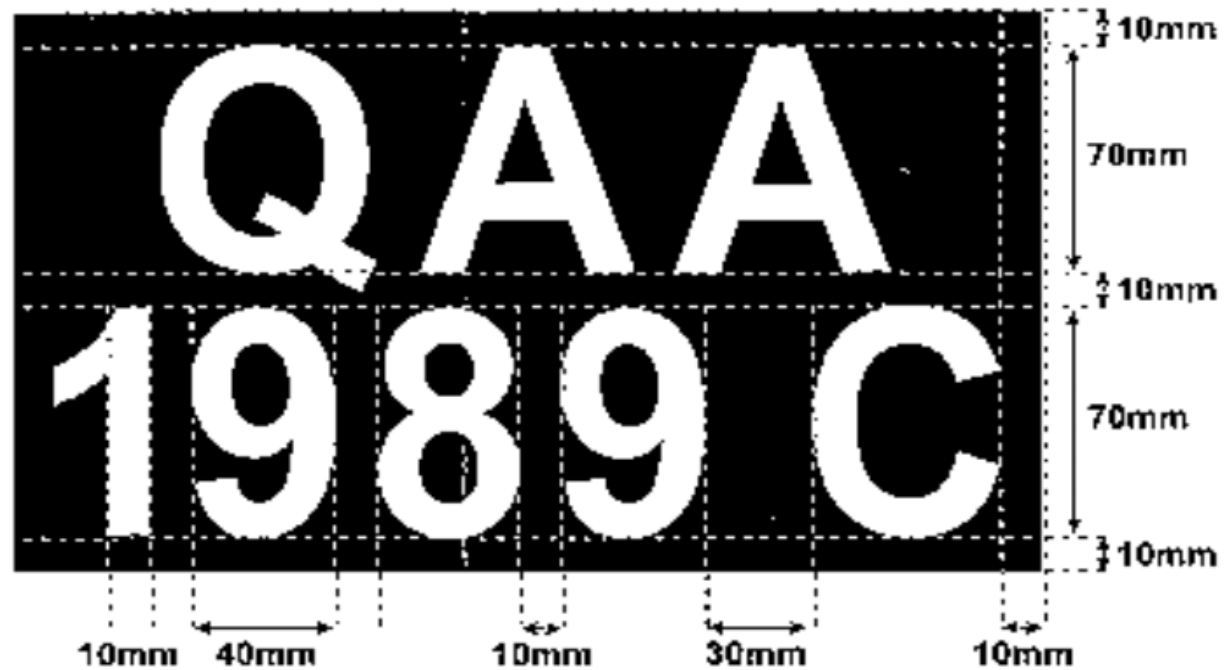


Diagram 1a

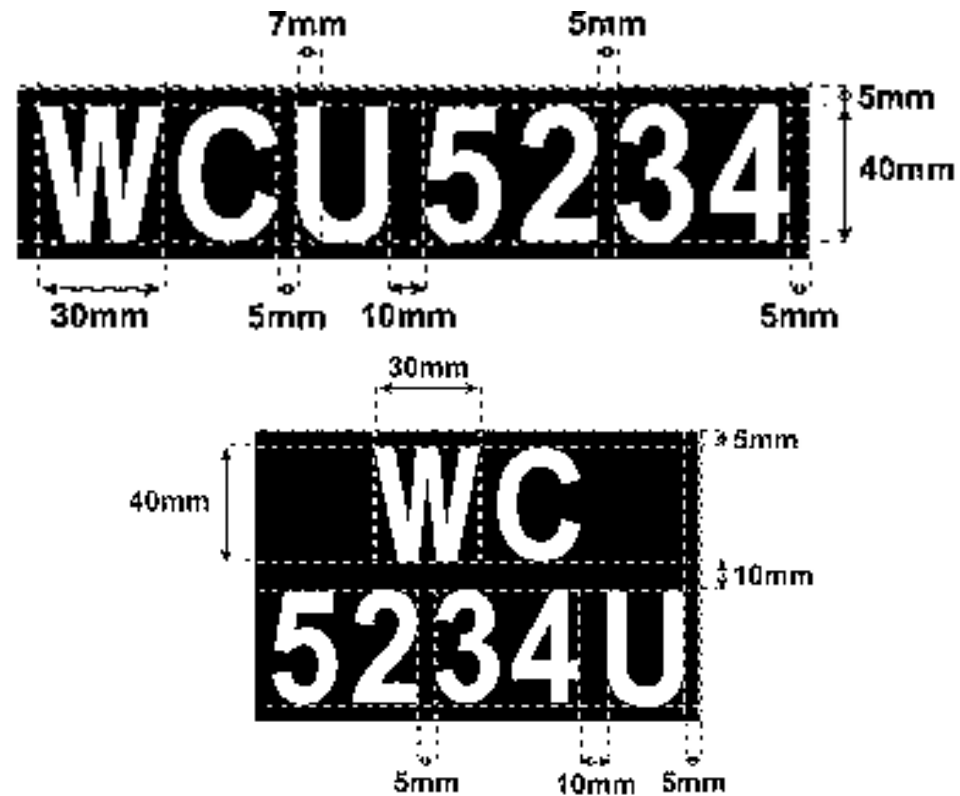
- Displayed on a front of and the back of vehicles in a vertical position
- Displayed clearly, neatly, not broken and blocked
- Installation of the registration number plate shall at all times be no danger is caused or likely to be caused to any person on the vehicle or on a road (Rule 94, Motor Vehicles (Construction & Use) Rules 1959)

- Trailers and Semi-Trailers
  - i. The registration number should be displayed on the left and right sides of the vehicle, refer Diagram 2
  - ii. Displayed in vertical position on a flat unbroken rectangular surface

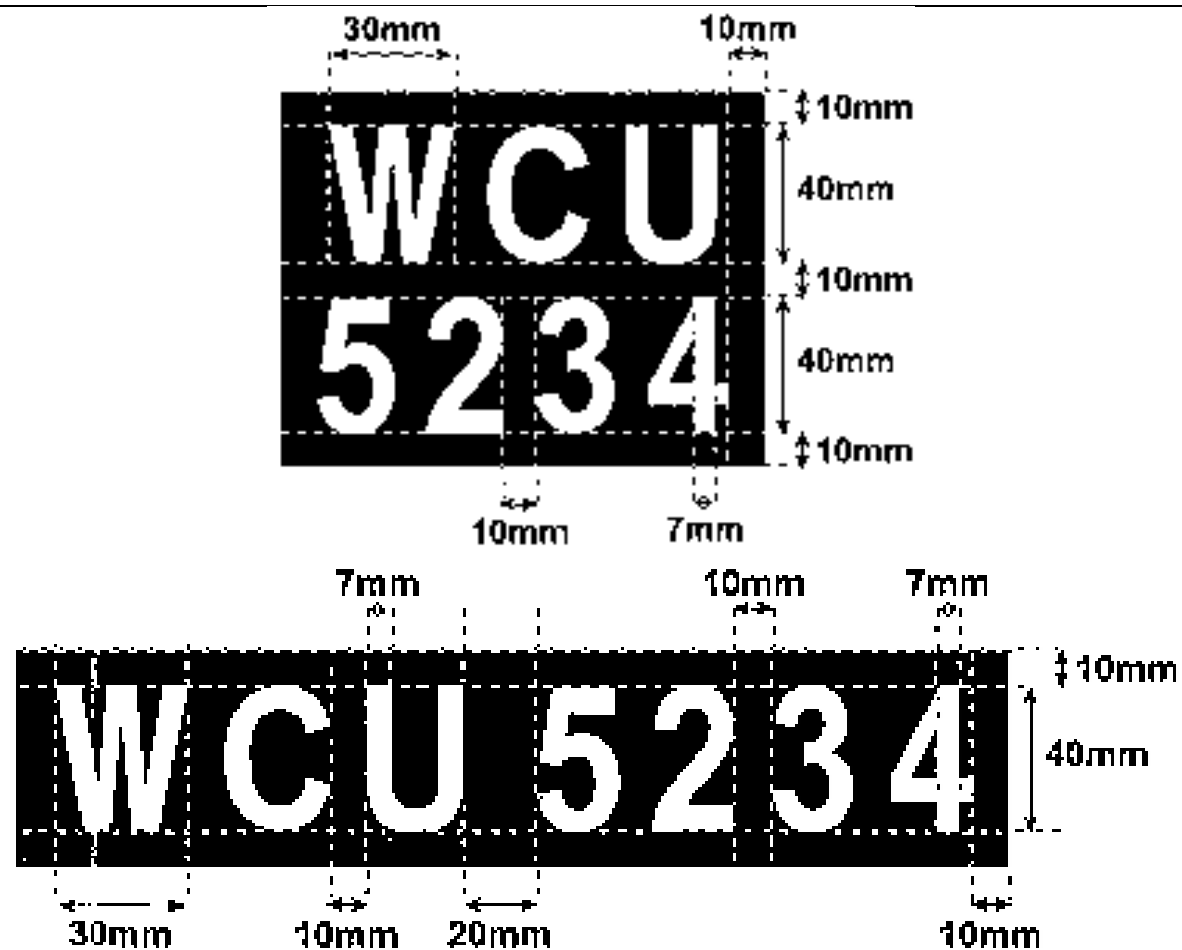


Diagram 2

- Letter size for motorcycles, refer Diagram 3 and Diagram 3a
  - i. Height : 40mm
  - ii. Width : 30mm
  - iii. Thickness : 7mm
  - iv. Space between letters and figure : 20mm
  - v. Space between letters : 10mm
  - vi. Space between figure : 10mm



Front Section  
Diagram 3



Rear Section  
Diagram 3a

## ABOVE CARRIAGE CHECK

## BODY MARKING

- Name and address of the licensee / owner, refer Diagram 4
  - i. In accordance with the document
  - ii. In a colour that contrasts with the background colours
  - iii. Size: Height  $\geq 25\text{mm}$
- Words for 'Barang-barang Sendiri Sahaja' dan „..... Orang Pekerja Sendiri Sahaja" (for De-controlled Vehicle), refer Diagram 4
  - i. In a colour that contrasts with the background colours
  - ii. Size: Height  $\geq 25\text{mm}$



Diagram 4

- BDM, BTM, BGK, BK, BG1, BG2 & BG3, refer to Diagram 4a
  - i. The letters & figures are in White
  - ii. Surface is in Black
  - iii. Size: 60mm height, 40mm width and 10mm thickness



Diagram 4a

- Vehicle Permit - A, C & KA
  - i. The letter in White
  - ii. Surface in black (circle)
  - iii. Size: 225mm height, 25mm thick, 305mm diameter
- T mark
  - i. The letter in Red
  - ii. Surface in White

- To display sign of maximum speed limit at the rear of the vehicle.

Type of Vehicle	Highway	Other Roads
Rigid with BDM $\leq$ 7500kg	90 KM/H	80 KM/H
Articulated, Trailers Truck, Rigid with BDM $>$ 7500kg	80 KM/H	70 KM/H
3 Wheelers Motorcycle (Side Cars)	70 Km/H	60 M/H

- To display SPAD Hotline (Peninsular Malaysia) sticker, refer Diagram 5
  - On the right side of the vehicle and also be marked at the rear of the vehicle.

*Note: Subject to current directive*



Diagram 5



- To display LPKP complaint numbers (Sabah and Sarawak)
  - i. At the rear of the vehicle
  - ii. Sarawak LPKP stickers, refer to Diagram 6



Diagram 6

- iii. Sabah LPKP sticker, refer Diagram 7

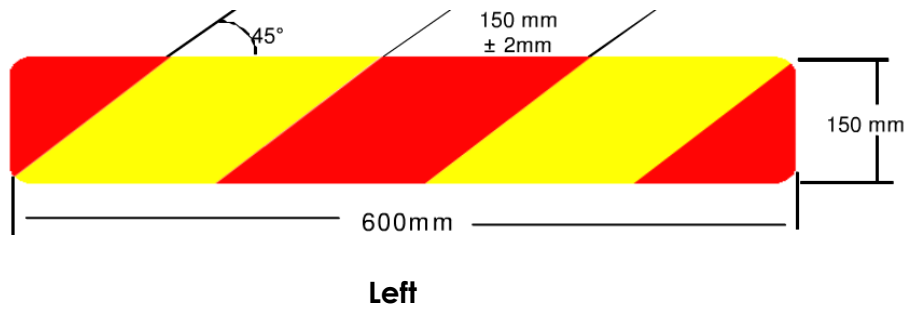


Diagram 7

- Reflector MS 828:2011
  - i. The reflector must be installed in accordance with the vehicle's original plan
  - ii. The size of the reflector must meet the criteria and has the SIRIM MS 828:2011 logo.
  - iii. All commercial vehicles with Laden Weight (BDM) of 3,500kg and above are required to use reflector MS 828:2011.
  - iv. The reflectors must be firmly attached to the vehicle body (permanent structure) and not easily removed.
  - v. If there is insufficient space on the vehicle body, reflector plates could be installed with rivets and screws.
  - vi. The reflectors could be installed more than the amount of specified number.
  - vii. Type 1 (J1) could be installed horizontally whereas Type 2 (J2) could be installed vertically.
  - viii. The installation of Type 5 (J5) requires at least three (3) units on each left and right side of the vehicle body. This item is exempt for vans and buses.
  - ix. For vehicles transporting dangerous goods, the J5 should be installed in full contour and in accordance with the vehicles' body shape.
  - x. The standard dimensions for reflector MS 828:2011 could be refer in Diagram 8, Diagram 9, Diagram 10, Diagram 11, Diagram 12 and Diagram 13.
  - xi. The reflector guideline for each vehicle type could be refer in Diagram 14.
  - xii. The reflector guideline for vehicles that have non-suitable installation locations could be referred to Diagram 15.
  - xiii. The reflector guideline for vehicles transporting dangerous goods could be referred to Diagram 16.

xiv. The MS 828:2011 Standard Guideline

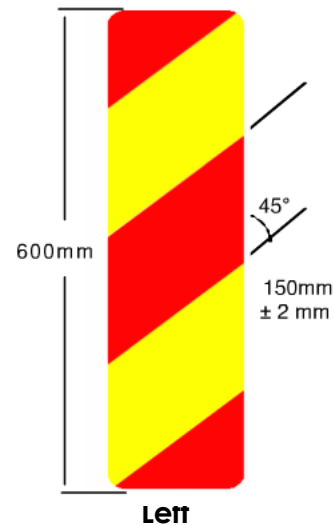
**Type 1 (J1)**



**Right**

Diagram 8

**Type 2 (J2)**



**Right**

Diagram 9

**Type 3 (J3)**

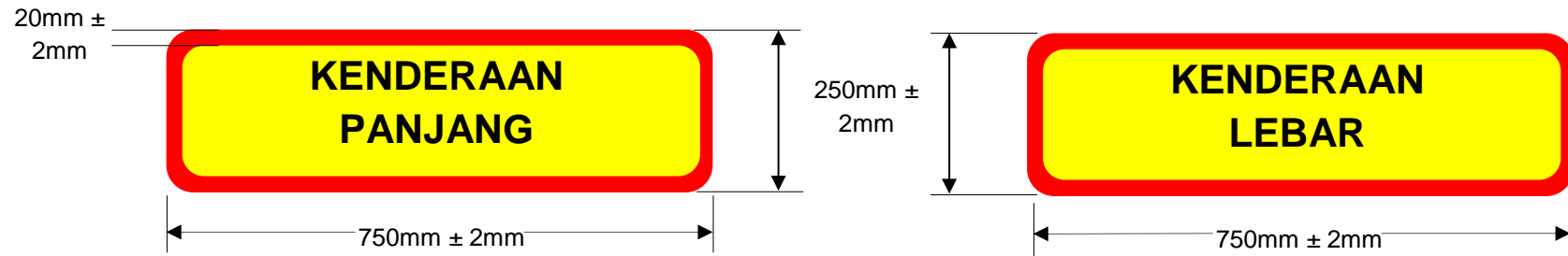


Diagram 10

**Type 4 (J4)**



Diagram 11

- ❖ **Type 3 (J3) - Kenderaan Panjang:** Vehicle length exceeds 12,200mm.
- ❖ **Type 3 (J3) - Kenderaan Lebar:** Vehicle width exceeds 2,500mm.
- ❖ **Type 4 (J4) - Kenderaan Panjang & Lebar:** The length and width exceed the above measurement

**Type 5 (J5)**

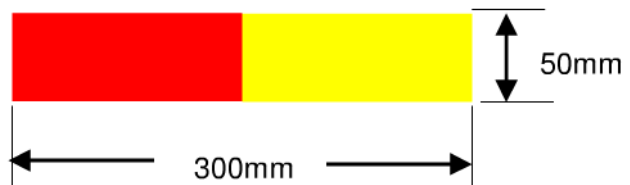


Diagram 12

**SIRIM Label Specifications**



SIRIM  
Certified to MS 828 : 2011  
Certification No. PCXXXXXX\*

Diagram 13

xv. The reflector guideline for each vehicle type

❖ **Semi Trailer – Open Platform**

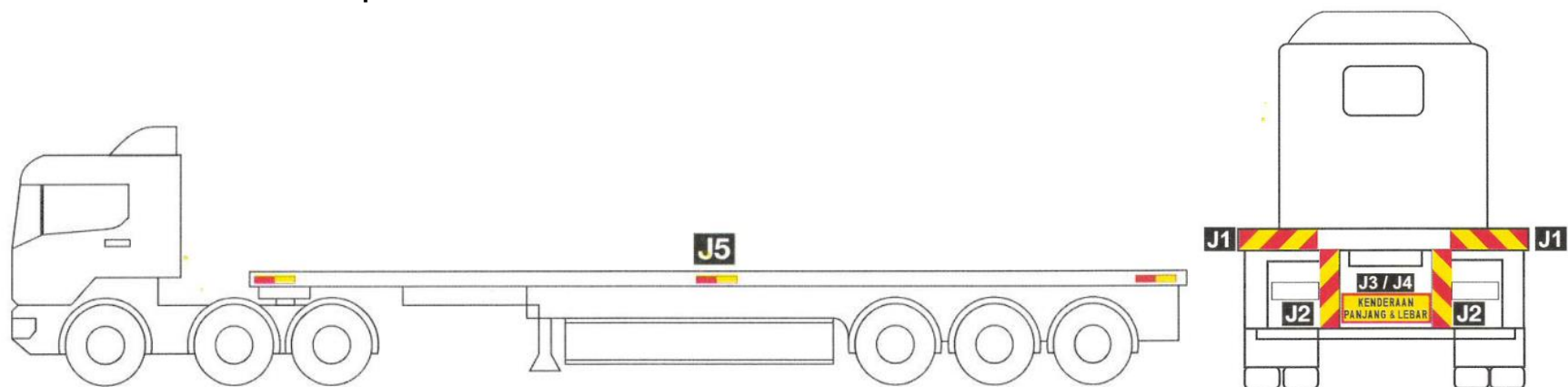


Diagram 14 (a)

❖ Semi Trailer – Tangki

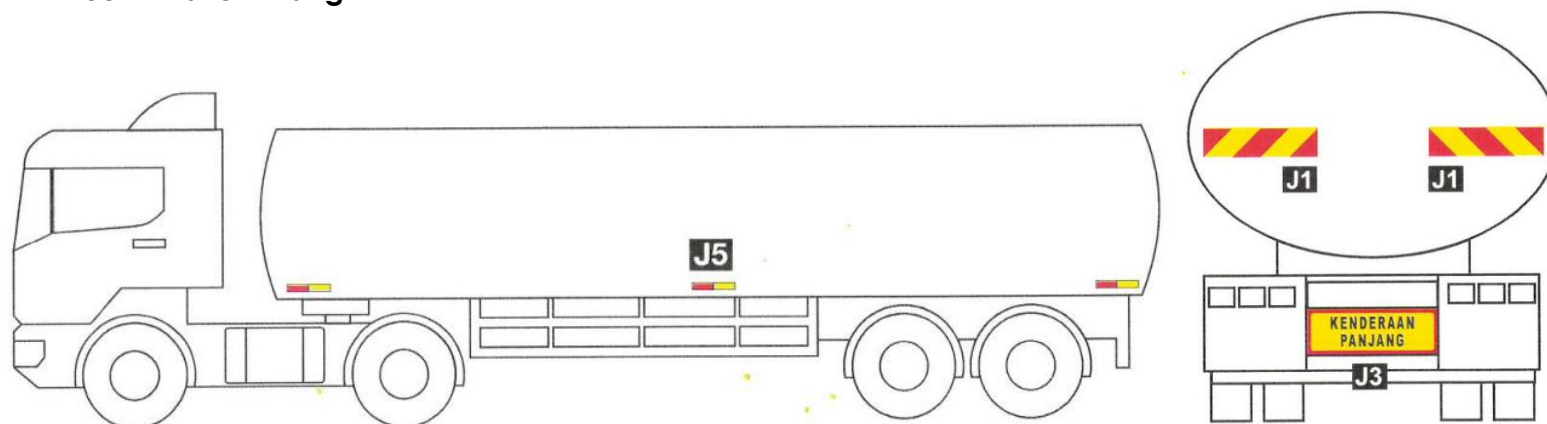


Diagram 14 (b)

❖ Semi Trailer – Simen / Tepung

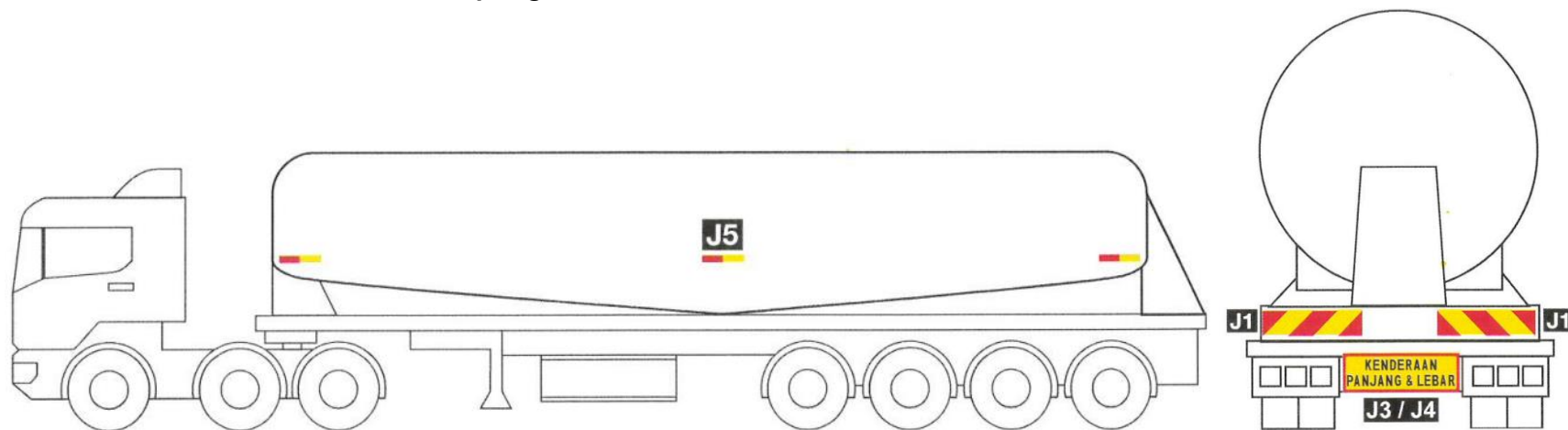


Diagram 14 (c)

❖ Semi Trailer Kargo Am

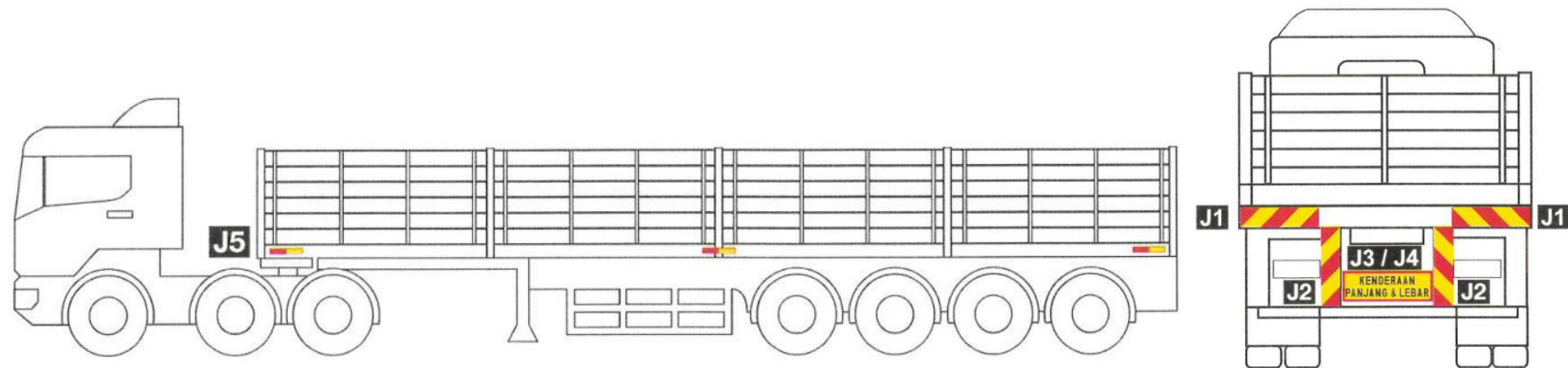


Diagram 14 (d)

Reflector Type 5 (J5) are applied on the canvas

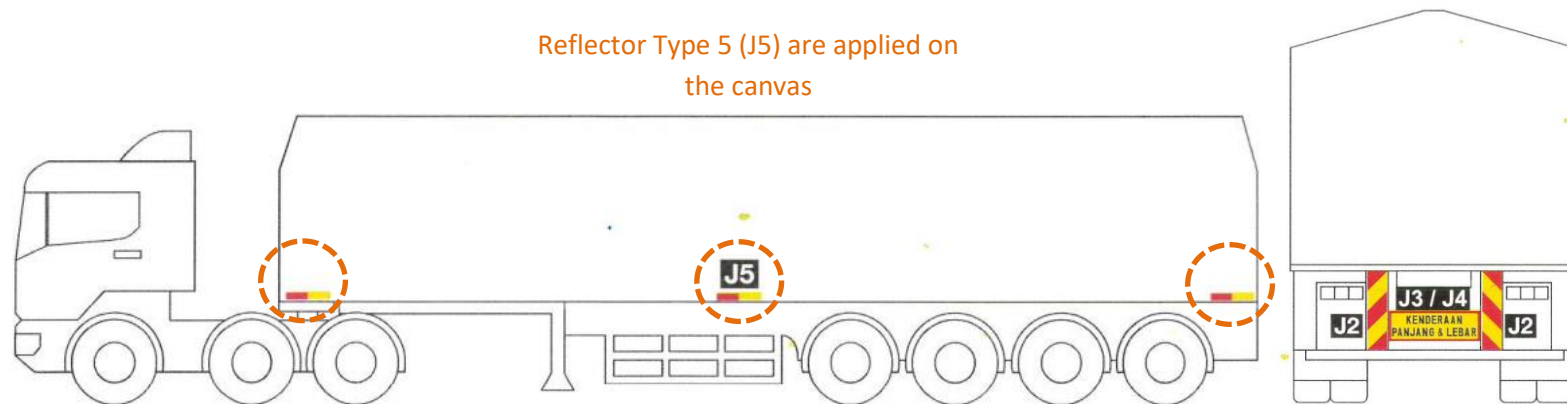


Diagram 14 (e)



❖ Semi Trailer Kargo Am – Kontena

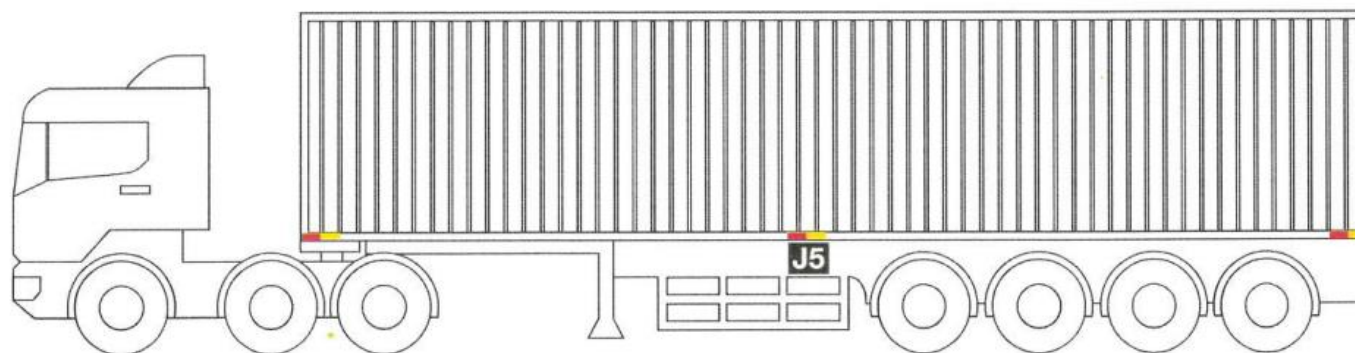
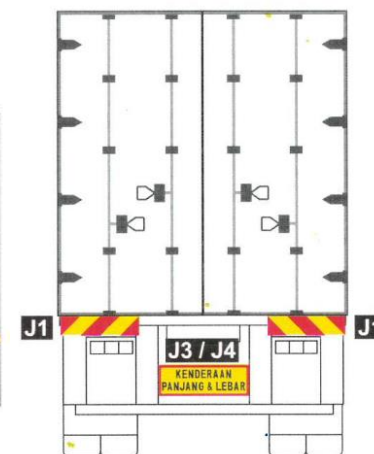


Diagram 14 (f)



❖ Semi Trailer Kargo Am – Curtain Sider

Reflector Type 5 (J5) are applied on the canvas

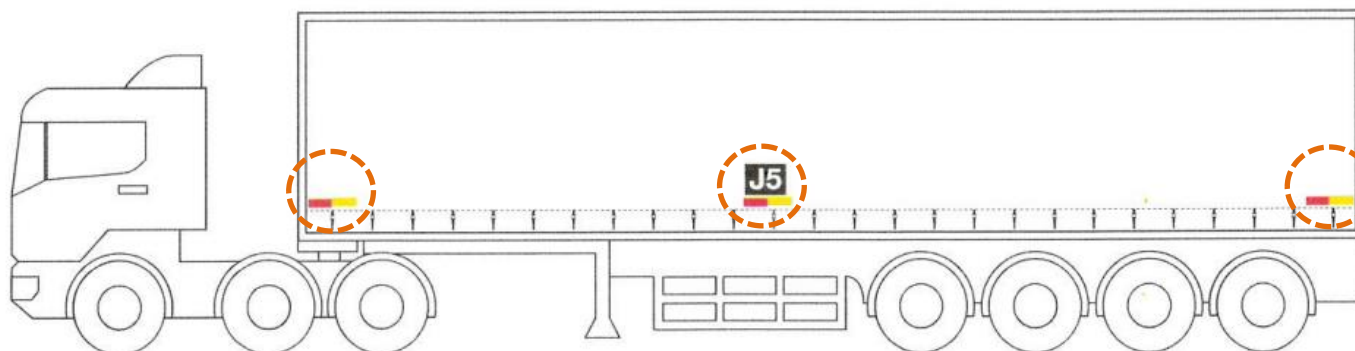
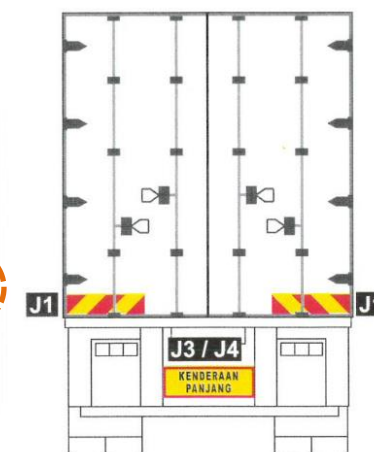


Diagram 14 (g)



❖ Semi Trailer – Low Loader

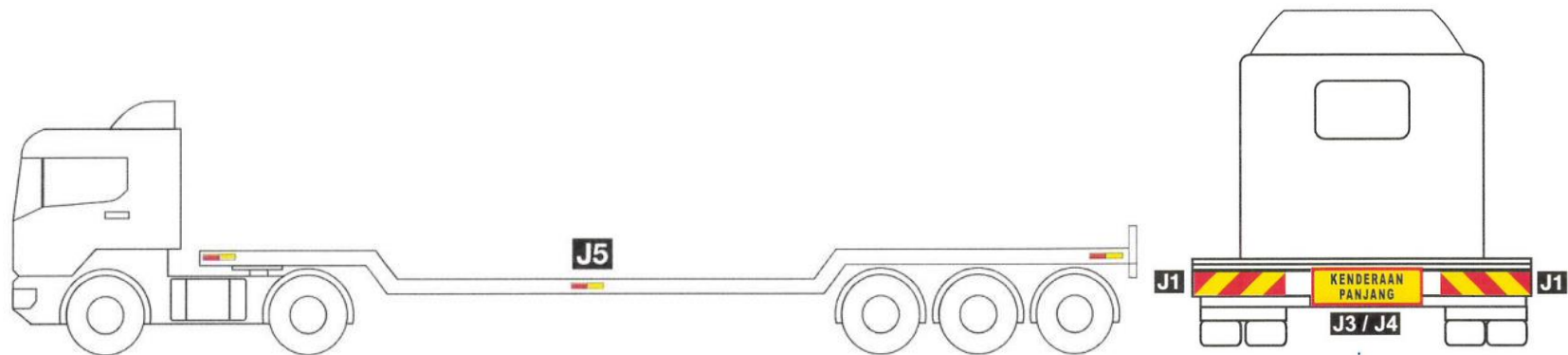


Diagram 14 (h)

❖ Lori Rigid Luton / Kotak

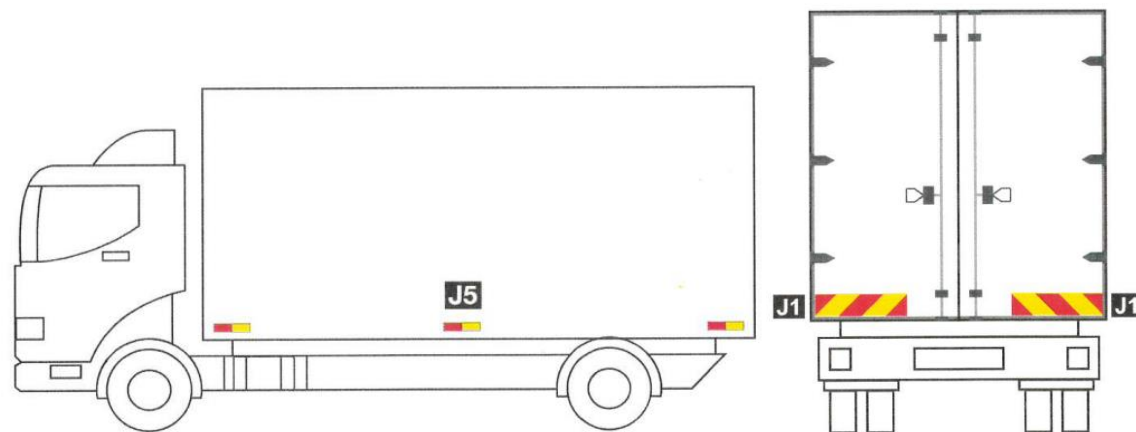


Diagram 14 (i)

❖ Lori Rigid – Kargo Am

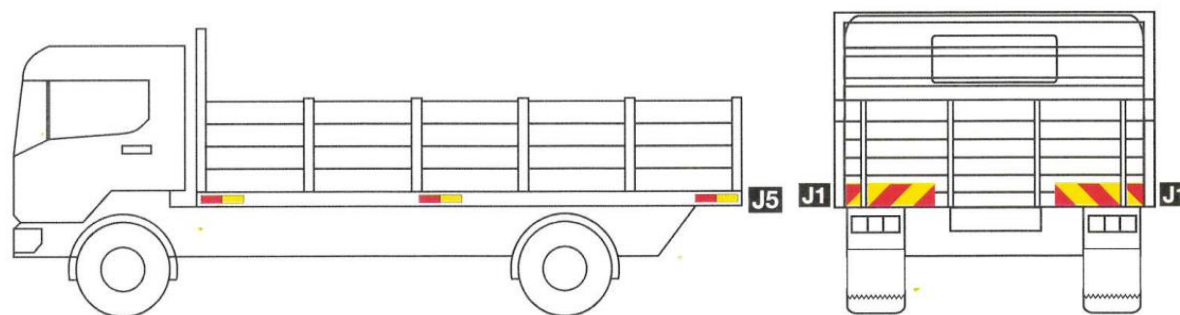


Diagram 14 (j)

Reflector Type 5 (J5) are applied on the canvas

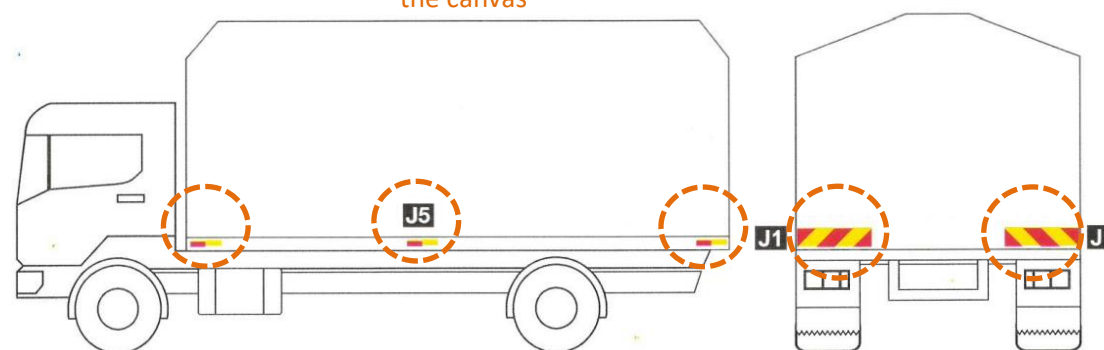


Diagram 14 (k)

❖ Lori Rigid – Luton / Kotak

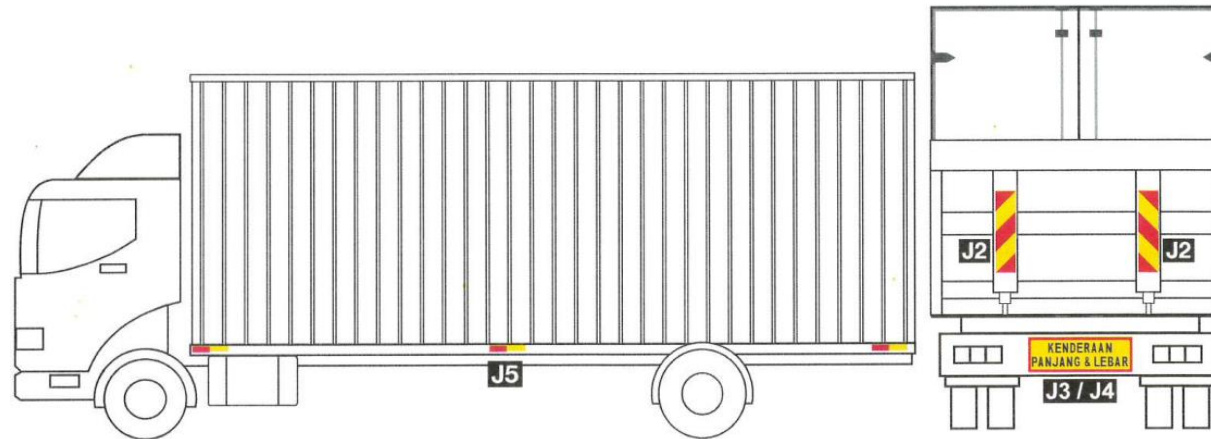


Diagram 14 (l)

❖ Lori Rigid – Curtain Sider

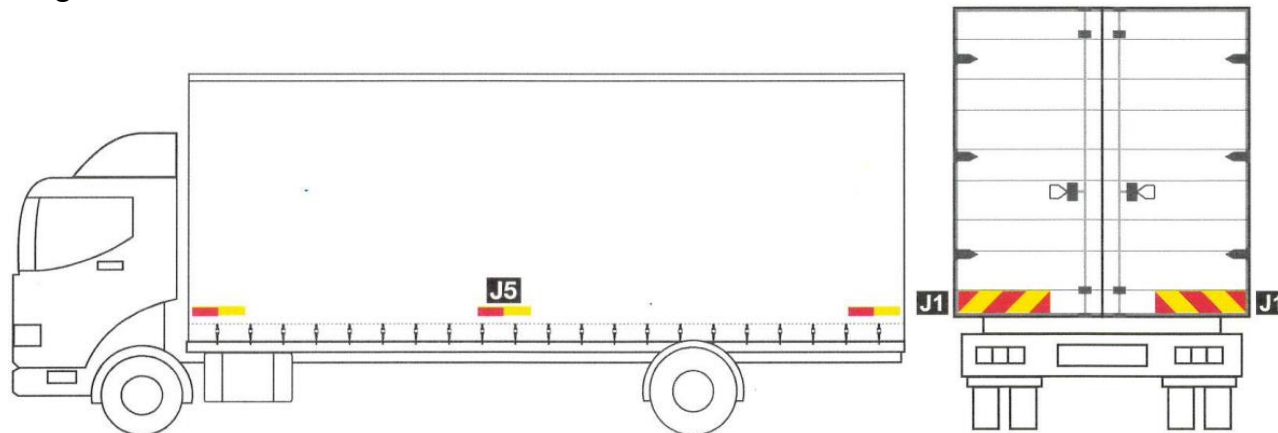


Diagram 14 (m)

❖ Dumper Tipper

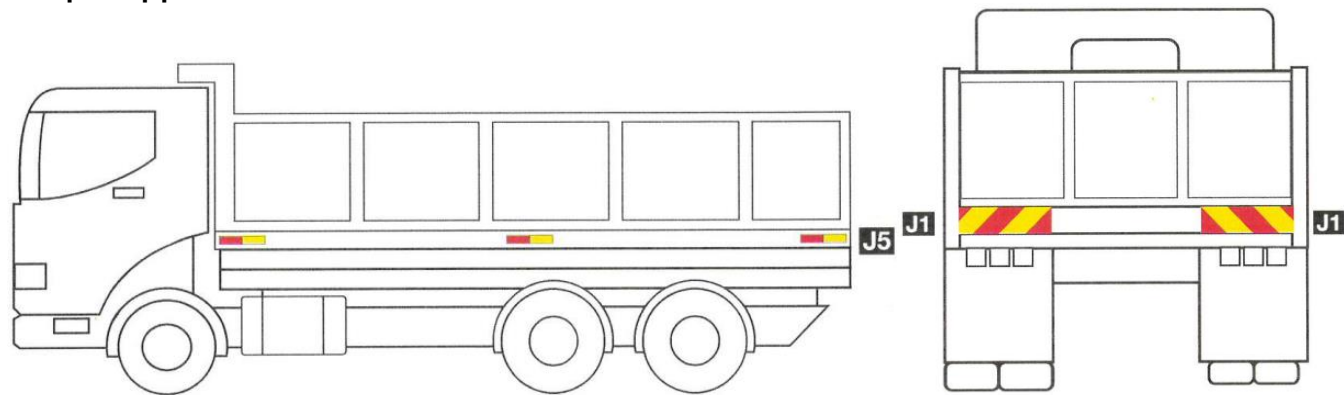


Diagram 14 (n)

❖ Lori Rigid – Concrete Mixer

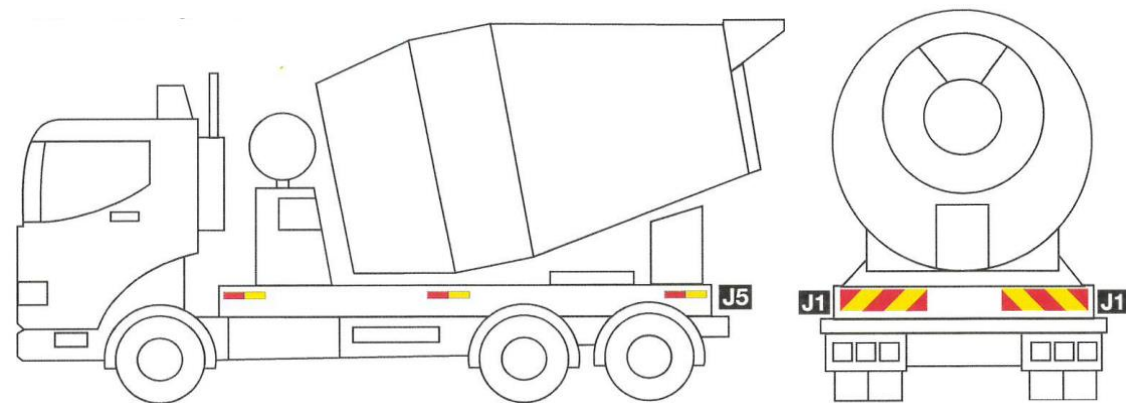


Diagram 14 (o)

❖ Prime Mover

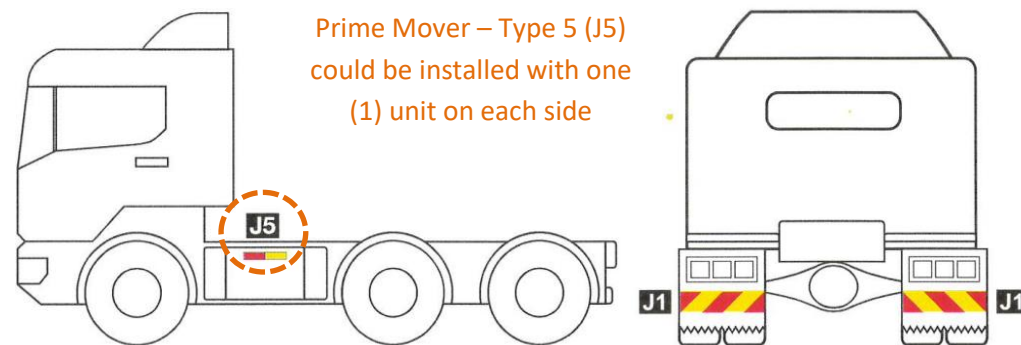


Diagram 14 (p)

❖ Lori Sampah

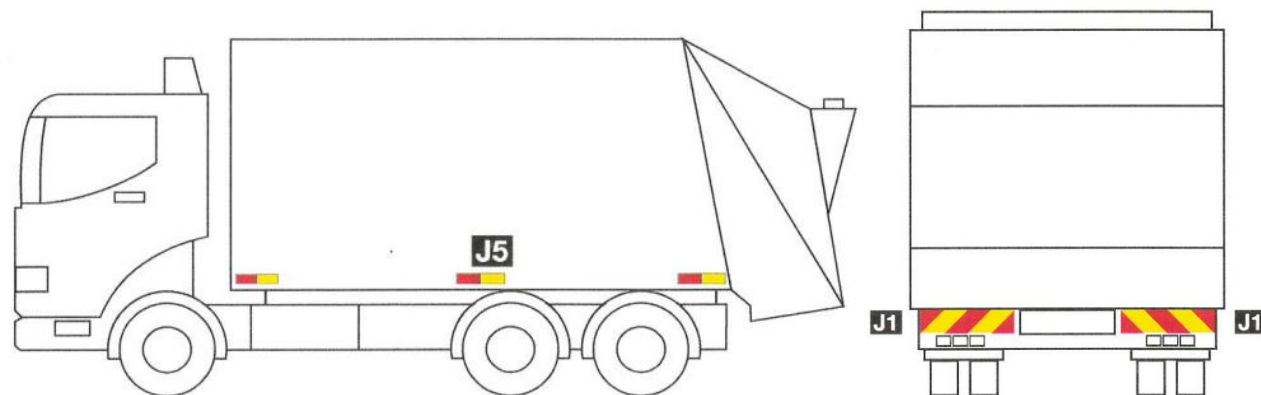


Diagram 14 (q)

❖ Mobile Crane

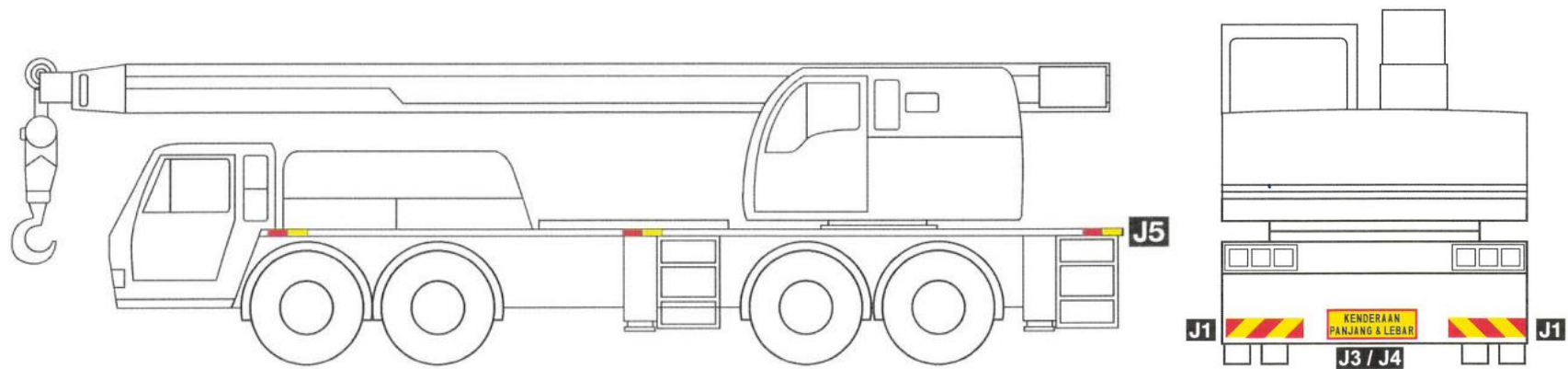


Diagram 14 (r)

❖ Van

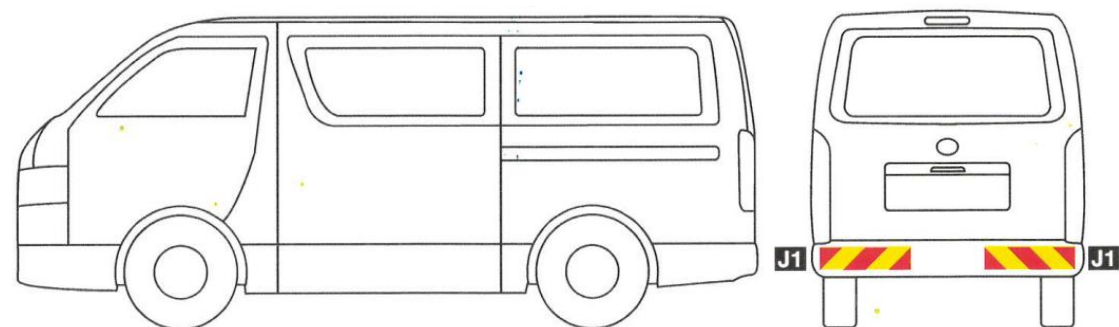


Diagram 14 (t)



xvi. The reflector guideline for vehicles that have non-suitable installation locations

❖ **Lori Rigid – Vehicle Carrier**

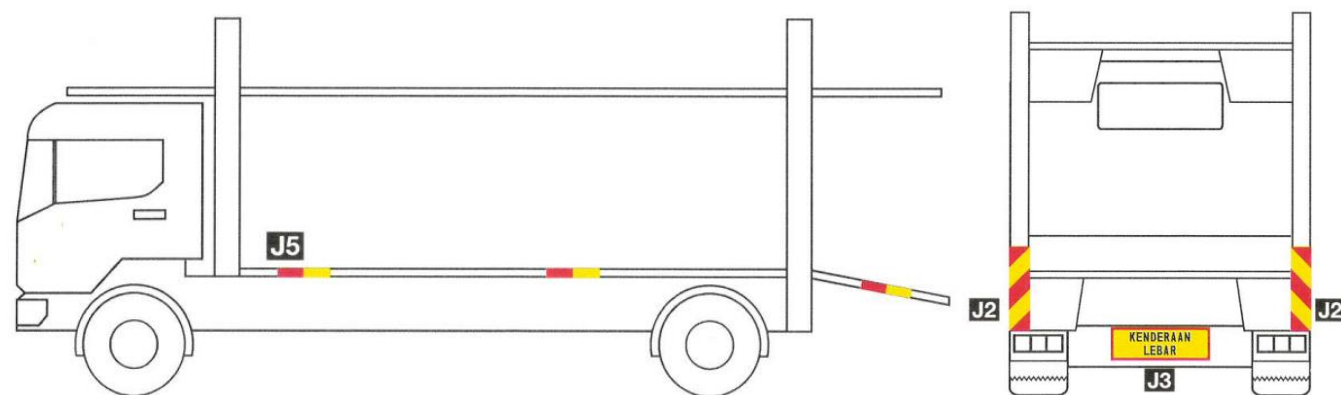


Diagram 15 (a)

❖ **Lori Rigid – Open Platform**

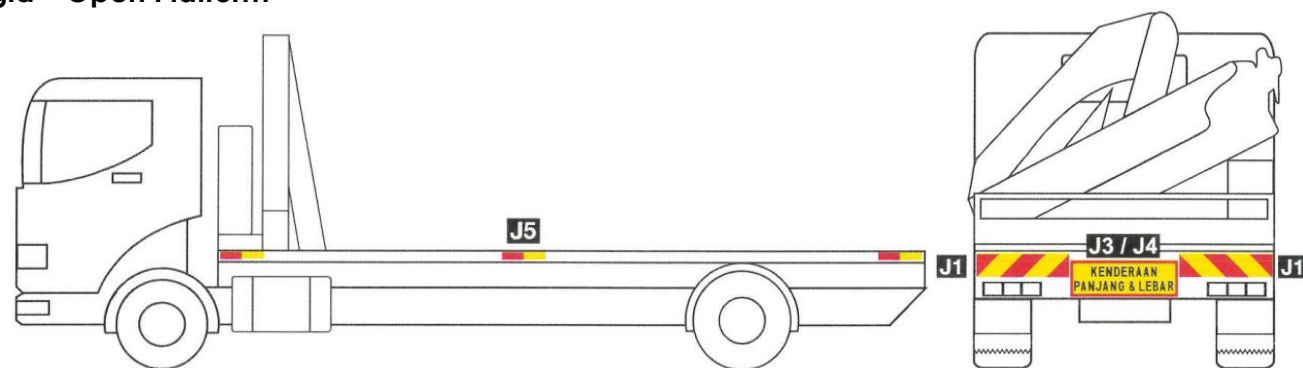


Diagram 15 (b)



❖ Lori Sampah (Roll on, Roll off)

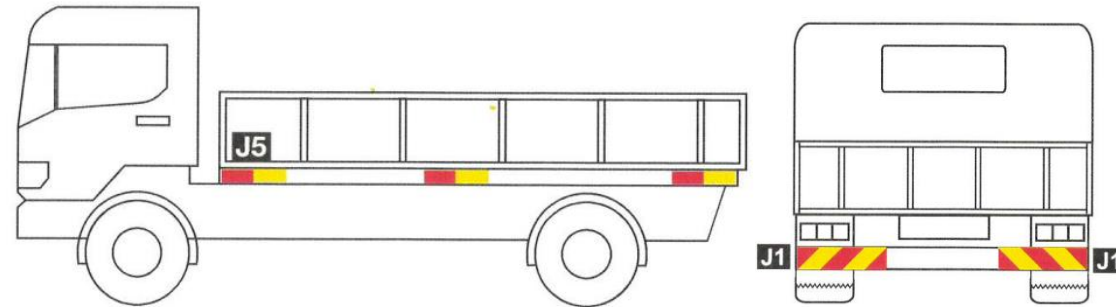


Diagram 15 (c)

❖ Mobile Aerial Platform

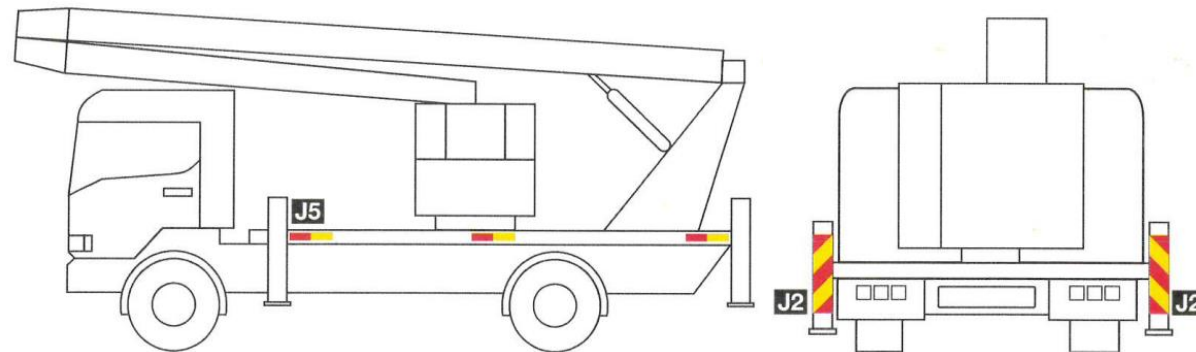


Diagram 15 (d)

❖ Lori Rigid – Tunda

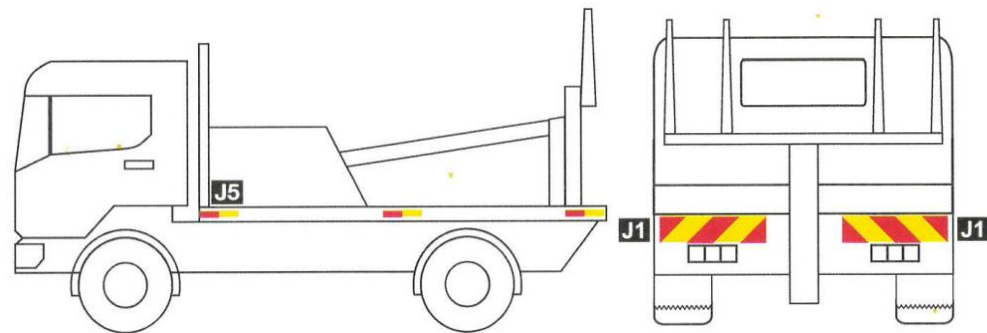


Diagram 15 (e)

❖ Lori Rigid – Vehicle Carrier

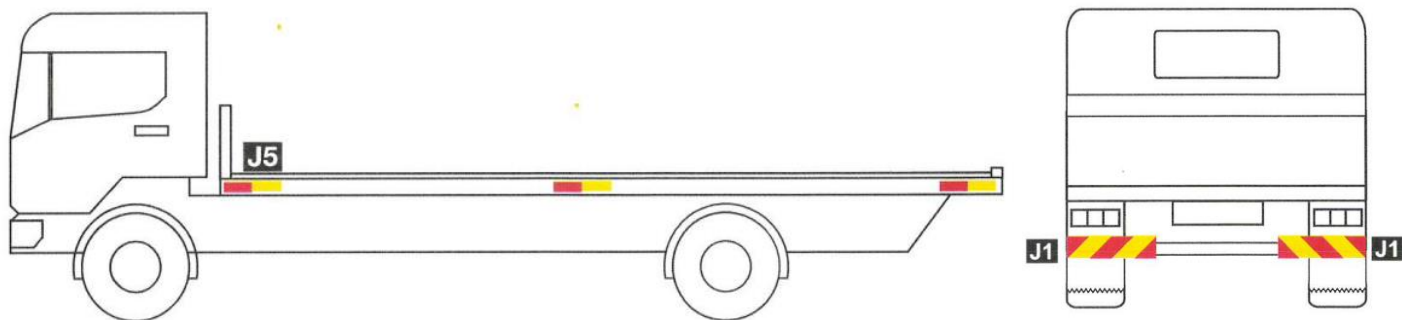


Diagram 15 (f)

❖ Lori Rigid – Vehicle Carrier

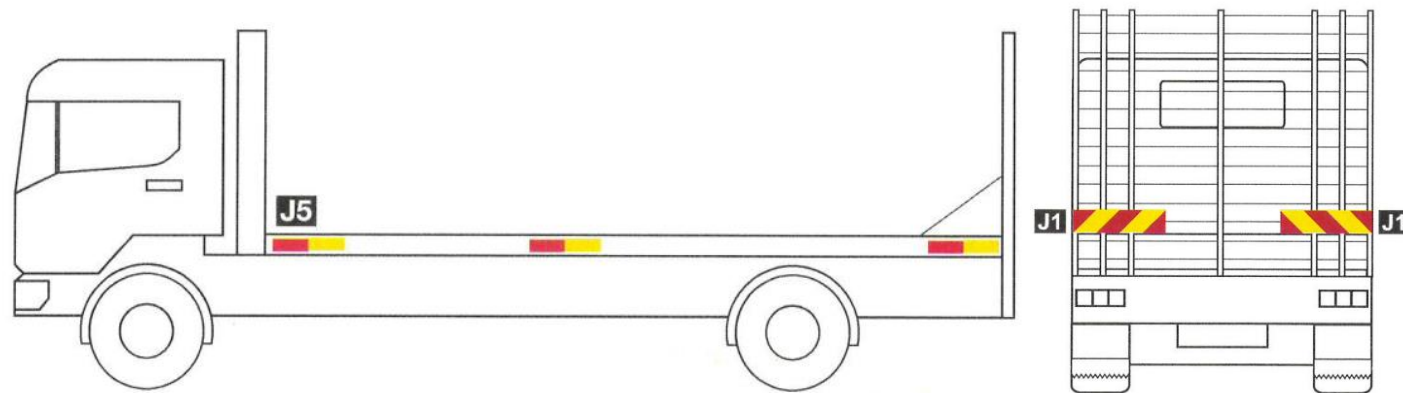


Diagram 15 (g)

❖ Lori Rigid – Vehicle Carrier

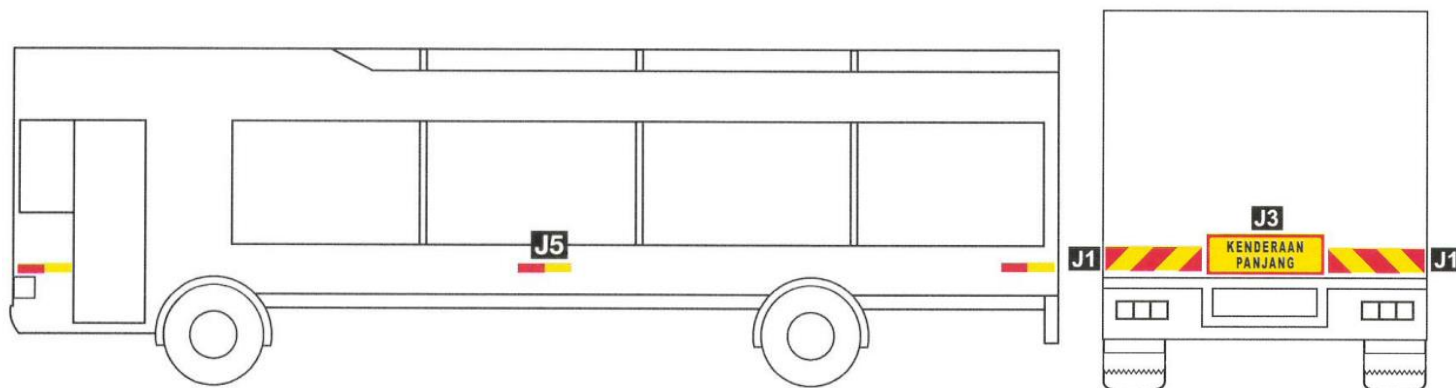


Diagram 15 (h)

xvii. The reflector guideline for vehicles transporting dangerous goods

❖ Semi Trailer Tangki – Petrol (Side View)

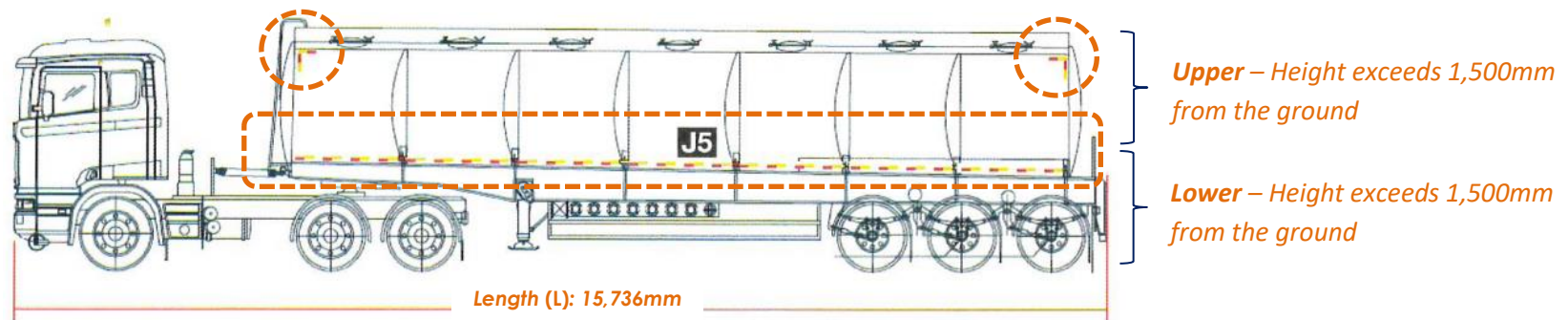




Diagram 16 (a)

Reflector Type	Upper	Lower
<b>Type 5 (J5)</b> 	<b>Installation:</b> One (1) horizontal unit and one (1) vertical unit for each corner with an angle of approximately 90°.  <b>Example:</b> 	<b>Total J5:</b> Formula = $(L - 1,200\text{mm}) / 450\text{mm}$  <b>Example:</b> $= \frac{(15,736\text{mm} - 1,200\text{mm})}{450\text{mm}} \approx 32 \text{ units}$ The overall side (left and right) would double, or approximately 64 units.

❖ Semi Trailer Tangki – Petrol (Rear View)

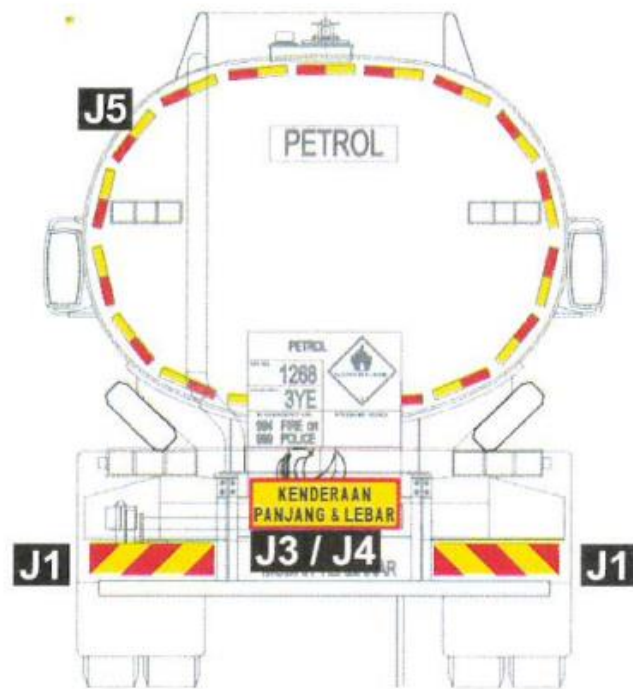








Diagram 16 (a)

Reflector Type	Details
<b>Type 1 (J1) or Type 2 (J2)</b>  <b>J1:</b>   <b>J2:</b> 	<b>Installation:</b>  Installed on the left and right sides of the rear vehicle
<b>Type 3 (J3) or Type 4 (J4)</b>  <b>J3:</b>   <b>J3:</b>   <b>J4:</b> 	<b>Installation:</b>  Installed in the middle of the rear vehicle, as follows: <ul style="list-style-type: none"> <li>• <b>J3 (Kenderaan Panjang):</b> Vehicle length exceeds 12,200mm</li> <li>• <b>J3 (Kenderaan Lebar):</b> Vehicle width exceeds 2,500mm</li> <li>• <b>J4 (Kenderaan Panjang &amp; Lebar):</b> The length and width exceed the above measurement</li> </ul>
<b>Type 5 (J5)</b>  	<b>Installation</b>  Installed in full contour and in accordance with the vehicles' body shape.

❖ Semi Trailer Tangki – Gas (Side View)

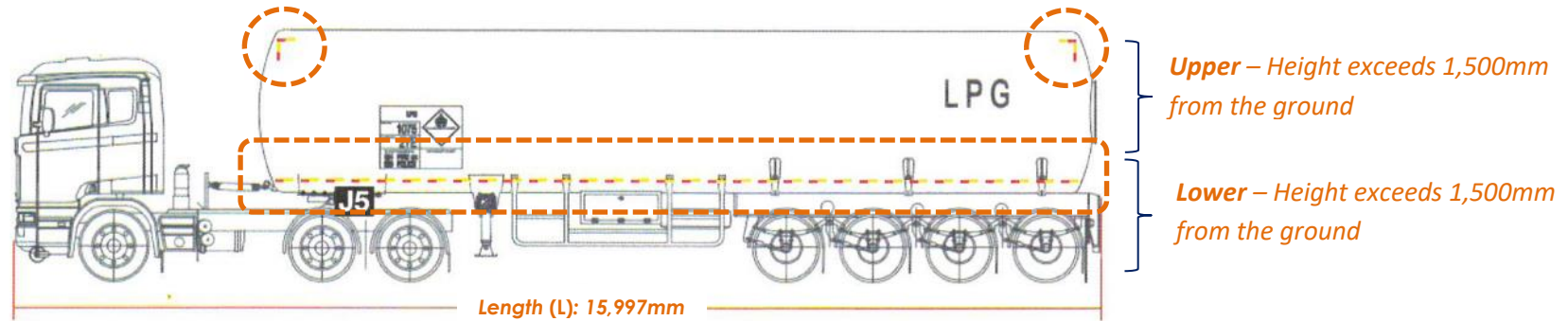




Diagram 16 (b)

Reflector Type	Upper	Lower
<b>Type 5 (J5)</b> 	<b>Installation:</b> One (1) horizontal unit and one (1) vertical unit for each corner with an angle of approximately 90°.  <b>Example:</b> 	<b>Total J5:</b> Formula = $(L - 1,200\text{mm}) / 450\text{mm}$  <b>Example:</b> $= \frac{(15,997\text{mm} - 1,200\text{mm})}{450\text{mm}} \approx \mathbf{32 \text{ units}}$  The overall side (left and right) would double, or approximately 64 units.

❖ Semi Trailer Tangki – Gas (Rear View)

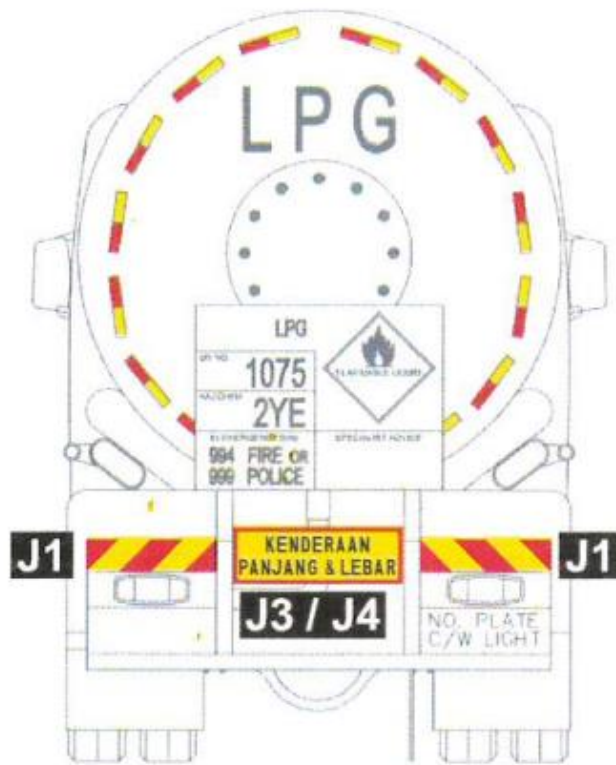








Diagram 16 (b)

Reflector Type	Details
<b>Type 1 (J1) or Type 2 (J2)</b>  <b>J1:</b>   <b>J2:</b> 	<b>Installation:</b>  Installed on the left and right sides of the rear vehicle
<b>Type 3 (J3) or Type 4 (J4)</b>  <b>J3:</b>   <b>J3:</b>   <b>J4:</b> 	<b>Installation:</b>  Installed in the middle of the rear vehicle, as follows: <ul style="list-style-type: none"> <li>• <b>J3 (Kenderaan Panjang):</b> Vehicle length exceeds 12,200mm</li> <li>• <b>J3 (Kenderaan Lebar):</b> Vehicle width exceeds 2,500mm</li> <li>• <b>J4 (Kenderaan Panjang &amp; Lebar):</b> The length and width exceed the above measurement</li> </ul>
<b>Type 5 (J5)</b>  	<b>Installation</b>  Installed in full contour and in accordance with the vehicles' body shape.

❖ Lori Rigid - Kargo Am (Side View)

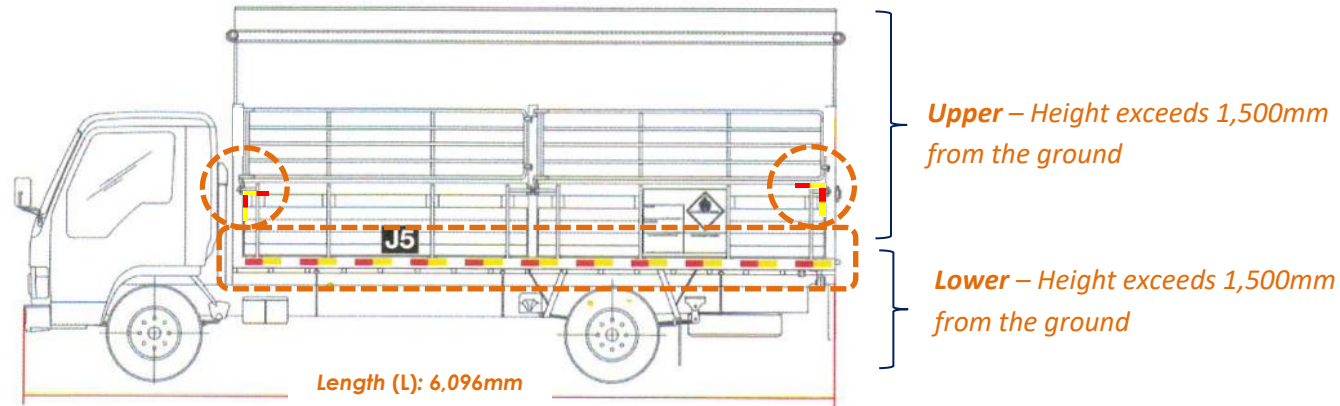




Diagram 16 (c)

Reflector Type	Upper	Lower
<b>Type 5 (J5)</b>  	<b>Installation:</b>  One (1) horizontal unit and one (1) vertical unit for each corner with an angle of approximately 90°. The reflector should be installed on a permanent body structure and not on a detachable body structure.  <b>Example:</b> 	<b>Total J5:</b>  Formula = $(L - 1,200\text{mm}) / 450\text{mm}$  <b>Example:</b> $= \frac{(6,096\text{mm} - 1,200\text{mm})}{450\text{mm}} \approx 11 \text{ units}$  The overall side (left and right) would double, or approximately 22 units.



❖ Lori Rigid - Kargo Am (Rear View)

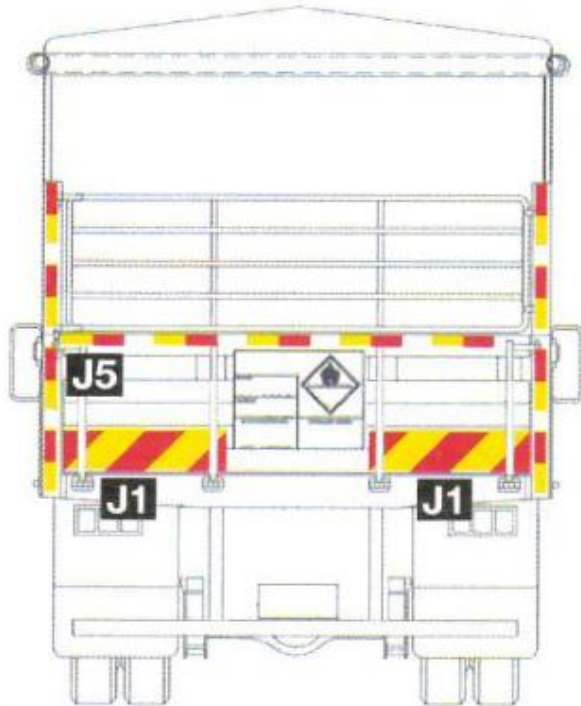








Diagram 16 (c)

Reflector Type	Details
<b>Type 1 (J1) or Type 2 (J2)</b>  <b>J1:</b>  <b>J2:</b> 	<b>Installation:</b>  Installed on the left and right sides of the rear vehicle
<b>Type 3 (J3) or Type 4 (J4)</b>  <b>J3:</b>  <b>J3:</b>  <b>J4:</b> 	<b>Installation:</b>  Installed in the middle of the rear vehicle, as follows: <ul style="list-style-type: none"> <li>• <b>J3 (Kenderaan Panjang):</b> Vehicle length exceeds 12,200mm</li> <li>• <b>J3 (Kenderaan Lebar):</b> Vehicle width exceeds 2,500mm</li> <li>• <b>J4 (Kenderaan Panjang &amp; Lebar):</b> The length and width exceed the above measurement</li> </ul>
<b>Type 5 (J5)</b>  	<b>Installation</b>  Installed in full contour and in accordance with the vehicles' body shape.

❖ Lori Tangki Rigid - Diesel (Side View)

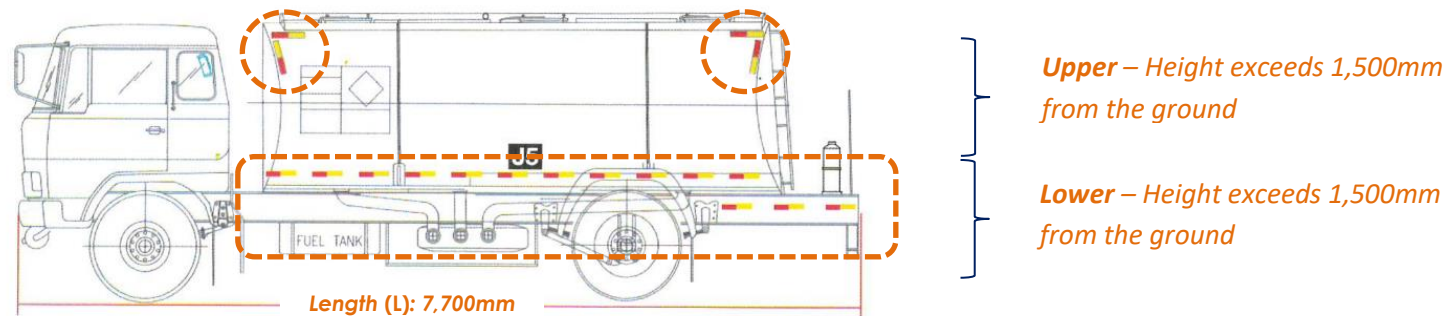




Diagram 16 (d)

Reflector Type	Upper	Lower
<b>Type 5 (J5)</b> 	<b>Installation:</b> <p>One (1) horizontal unit and one (1) vertical unit for each corner with an angle of approximately 90°.</p> <b>Example:</b> 	<b>Total J5:</b> <p>Formula = <math>(L - 1,200\text{mm}) / 450\text{mm}</math></p> <p><b>Example:</b>  <math display="block">= \frac{(7,700\text{mm} - 1,200\text{mm})}{450\text{mm}} \approx \mathbf{14 \text{ units}}</math></p> <p>The overall side (left and right) would double, or approximately 28 units.</p>

❖ Lori Tangki Rigid - Diesel (Rear View)

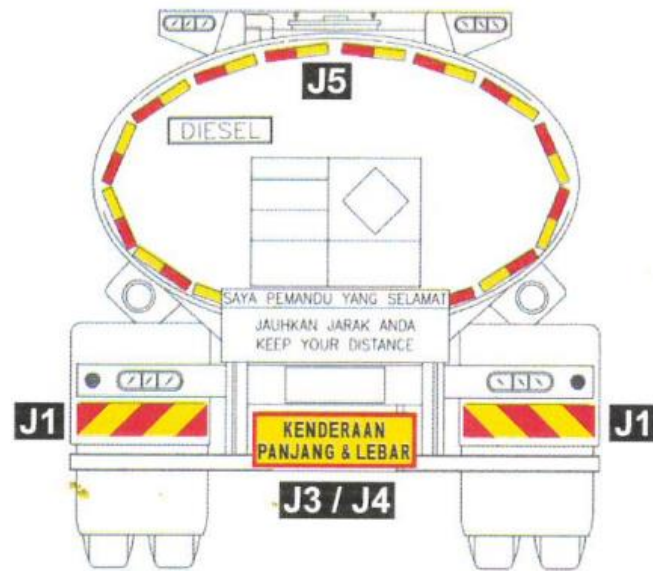








Diagram 16 (d)

Reflector Type	Details
<b>Type 1 (J1) or Type 2 (J2)</b>  <b>J1:</b>  <b>J2:</b> 	<b>Installation:</b>  Installed on the left and right sides of the rear vehicle
<b>Type 3 (J3) or Type 4 (J4)</b>  <b>J3:</b>  <b>J3:</b>  <b>J4:</b> 	<b>Installation:</b>  Installed in the middle of the rear vehicle, as follows: <ul style="list-style-type: none"> <li>• <b>J3 (Kenderaan Panjang):</b> Vehicle length exceeds 12,200mm</li> <li>• <b>J3 (Kenderaan Lebar):</b> Vehicle width exceeds 2,500mm</li> <li>• <b>J4 (Kenderaan Panjang &amp; Lebar):</b> The length and width exceed the above measurement</li> </ul>
<b>Type 5 (J5)</b>  	<b>Installation</b>  Installed in full contour and in accordance with the vehicles' body shape.

❖ Lori Rigid – Luton / Kotak (Side View)

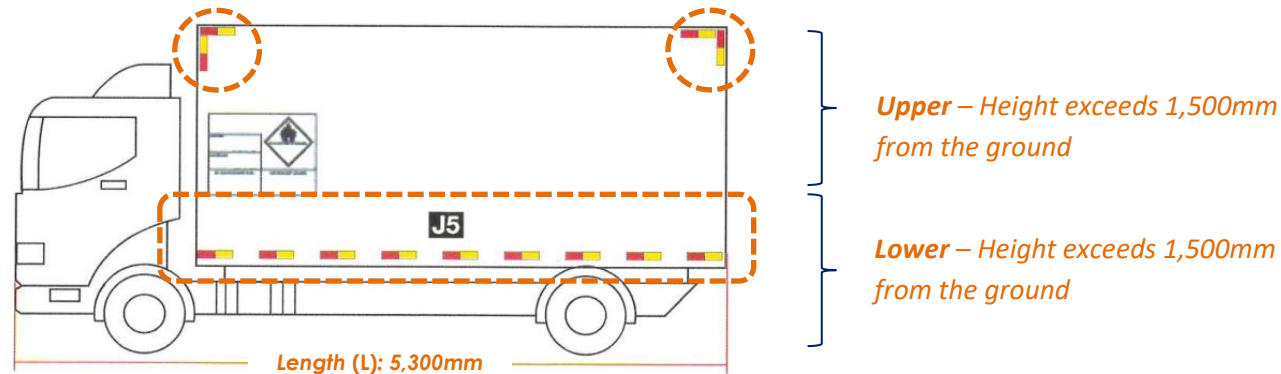




Diagram 16 (e)

Reflector Type	Upper	Lower
<b>Type 5 (J5)</b>  	<b>Installation:</b>  One (1) horizontal unit and one (1) vertical unit for each corner with an angle of approximately 90°.  <b>Example:</b> 	<b>Total J5:</b>  Formula = $(L - 1,200\text{mm}) / 450\text{mm}$  <b>Example:</b> $= \frac{(5,300\text{mm} - 1,200\text{mm})}{450\text{mm}} \approx 9 \text{ units}$  The overall side (left and right) would double, or approximately 18 units.

❖ Lori Rigid – Luton / Kotak (Rear View)

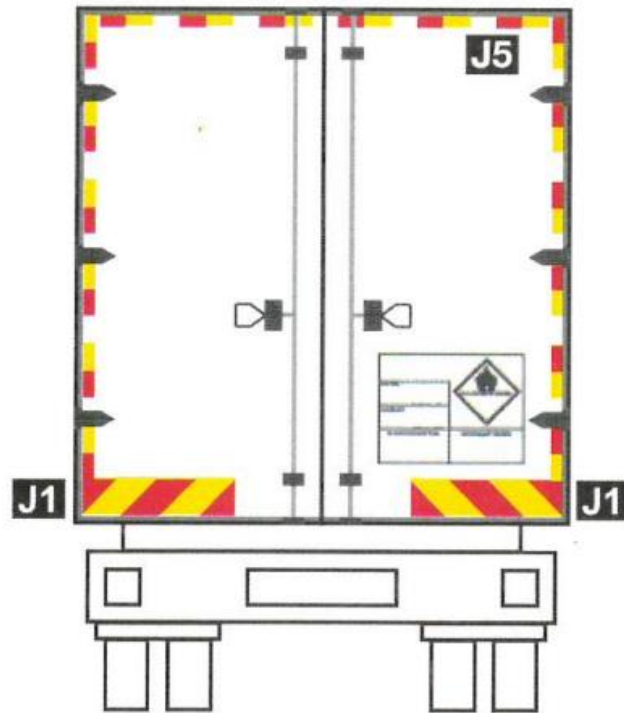








Diagram 16 (e)

Reflector Type	Details
<b>Type 1 (J1) or Type 2 (J2)</b>  <b>J1:</b>   <b>J2:</b> 	<b>Installation:</b>  Installed on the left and right sides of the rear vehicle
<b>Type 3 (J3) or Type 4 (J4)</b>  <b>J3:</b>   <b>J3:</b>   <b>J4:</b> 	<b>Installation:</b>  Installed in the middle of the rear vehicle, as follows: <ul style="list-style-type: none"> <li>• <b>J3 (Kenderaan Panjang):</b> Vehicle length exceeds 12,200mm</li> <li>• <b>J3 (Kenderaan Lebar):</b> Vehicle width exceeds 2,500mm</li> <li>• <b>J4 (Kenderaan Panjang &amp; Lebar):</b> The length and width exceed the above measurement</li> </ul>
<b>Type 5 (J5)</b>  	<b>Installation</b>  Installed in full contour and in accordance with the vehicles' body shape.

❖ Semi Trailer – Tangki Kimia (Side View)

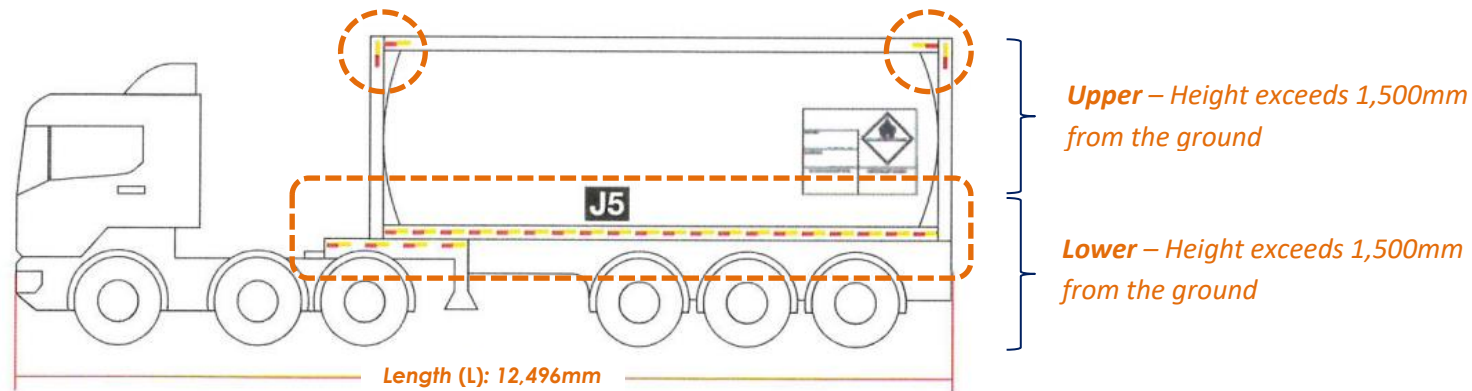




Diagram 16 (f)

Reflector Type	Upper	Lower
<b>Type 5 (J5)</b>  	<b>Installation:</b>  One (1) horizontal unit and one (1) vertical unit for each corner with an angle of approximately 90°.  <b>Example:</b> 	<b>Total J5:</b>  Formula = $(L - 1,200\text{mm}) / 450\text{mm}$  <b>Example:</b> $= \frac{(12,496\text{mm} - 1,200\text{mm})}{450\text{mm}} \approx \mathbf{25 \text{ units}}$  The overall side (left and right) would double, or approximately 50 units.

❖ Semi Trailer – Tangki Kimia (Rear View)

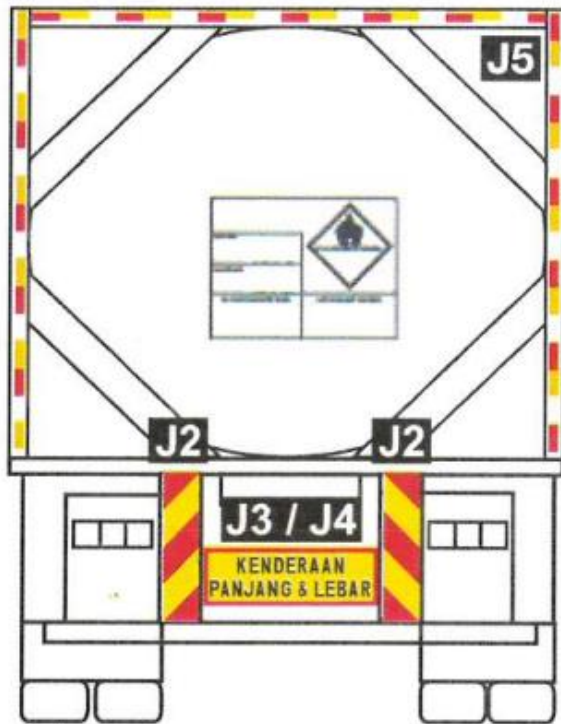








Diagram 16 (f)

Reflector Type	Details
<b>Type 1 (J1) or Type 2 (J2)</b>  <b>J1:</b>   <b>J2:</b> 	<b>Installation:</b>  Installed on the left and right sides of the rear vehicle
<b>Type 3 (J3) or Type 4 (J4)</b>  <b>J3:</b>   <b>J3:</b>   <b>J4:</b> 	<b>Installation:</b>  Installed in the middle of the rear vehicle, as follows: <ul style="list-style-type: none"> <li>• <b>J3 (Kenderaan Panjang):</b> Vehicle length exceeds 12,200mm</li> <li>• <b>J3 (Kenderaan Lebar):</b> Vehicle width exceeds 2,500mm</li> <li>• <b>J4 (Kenderaan Panjang &amp; Lebar):</b> The length and width exceed the above measurement</li> </ul>
<b>Type 5 (J5)</b>  	<b>Installation</b>  Installed in full contour and in accordance with the vehicles' body shape.

❖ Lori Tangki Rigid - Kimia (Side View)

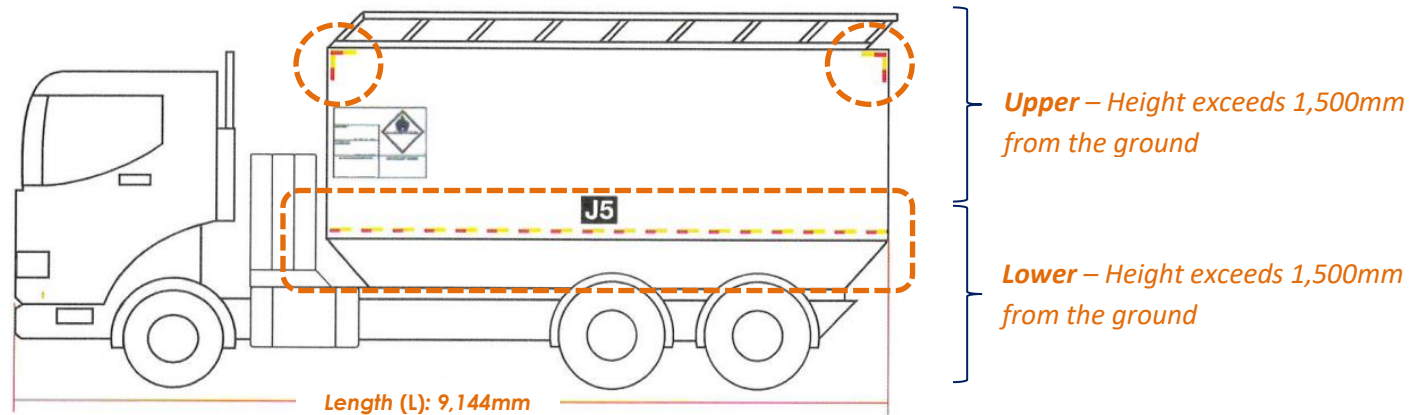




Diagram 16 (g)

Reflector Type	Upper	Lower
<b>Type 5 (J5)</b>  	<b>Installation:</b>  One (1) horizontal unit and one (1) vertical unit for each corner with an angle of approximately 90°.  <b>Example:</b> 	<b>Total J5:</b>  Formula = $(L - 1,200\text{mm}) / 450\text{mm}$  <b>Example:</b> $= \frac{(9,144\text{mm} - 1,200\text{mm})}{450\text{mm}} \approx \mathbf{18 \text{ units}}$  The overall side (left and right) would double, or approximately 36 units.



❖ Lori Tangki Rigid - Kimia (Rear View)

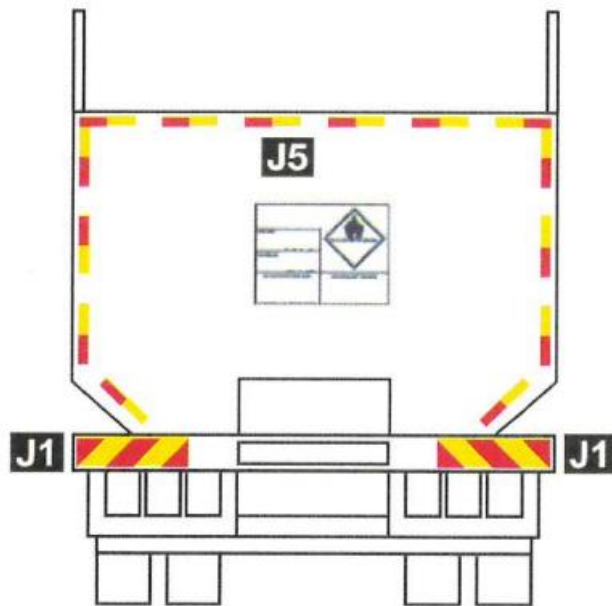








Diagram 16 (g)

Reflector Type	Details
<b>Type 1 (J1) or Type 2 (J2)</b>  <b>J1:</b>   <b>J2:</b> 	<b>Installation:</b>  Installed on the left and right sides of the rear vehicle
<b>Type 3 (J3) or Type 4 (J4)</b>  <b>J3:</b>   <b>J3:</b>   <b>J4:</b> 	<b>Installation:</b>  Installed in the middle of the rear vehicle, as follows: <ul style="list-style-type: none"> <li>• <b>J3 (Kenderaan Panjang):</b> Vehicle length exceeds 12,200mm</li> <li>• <b>J3 (Kenderaan Lebar):</b> Vehicle width exceeds 2,500mm</li> <li>• <b>J4 (Kenderaan Panjang &amp; Lebar):</b> The length and width exceed the above measurement</li> </ul>
<b>Type 5 (J5)</b>  	<b>Installation</b>  Installed in full contour and in accordance with the vehicles' body shape.

❖ Semi Trailer – Open Platform (Side View)

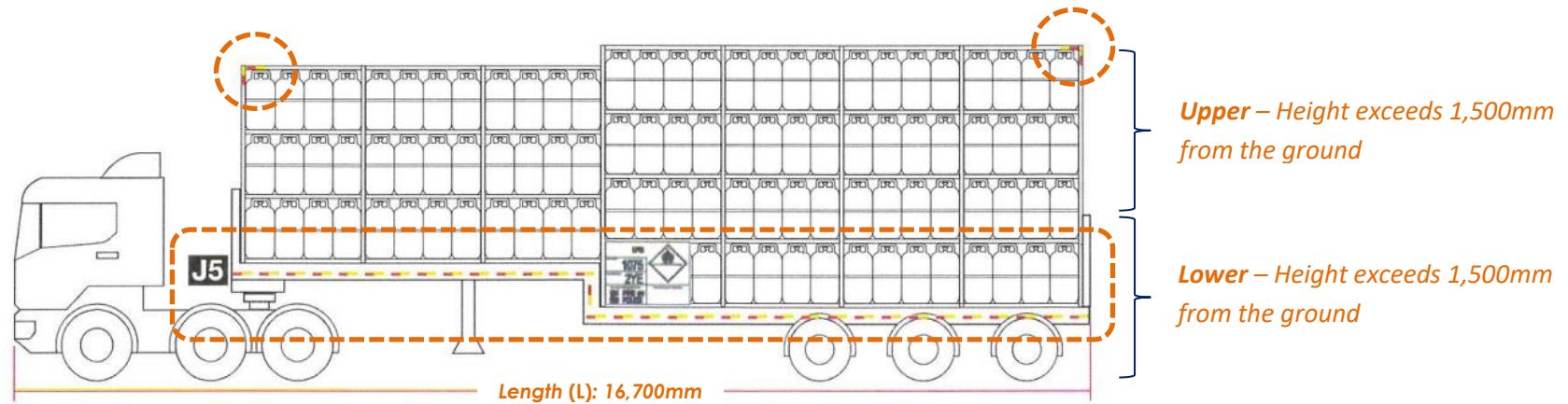




Diagram 16 (h)

Reflector Type	Upper	Lower
<b>Type 5 (J5)</b> 	<b>Installation:</b> One (1) horizontal unit and one (1) vertical unit for each corner with an angle of approximately 90°.  <b>Example:</b> 	<b>Total J5:</b> Formula = $(L - 1,200\text{mm}) / 450\text{mm}$ <b>Example:</b> $= \frac{16,700\text{mm} - 1,200\text{mm}}{450\text{mm}} \approx 34 \text{ units}$ The overall side (left and right) would double, or approximately 68 units.

❖ Semi Trailer – Open Platform (Rear View)

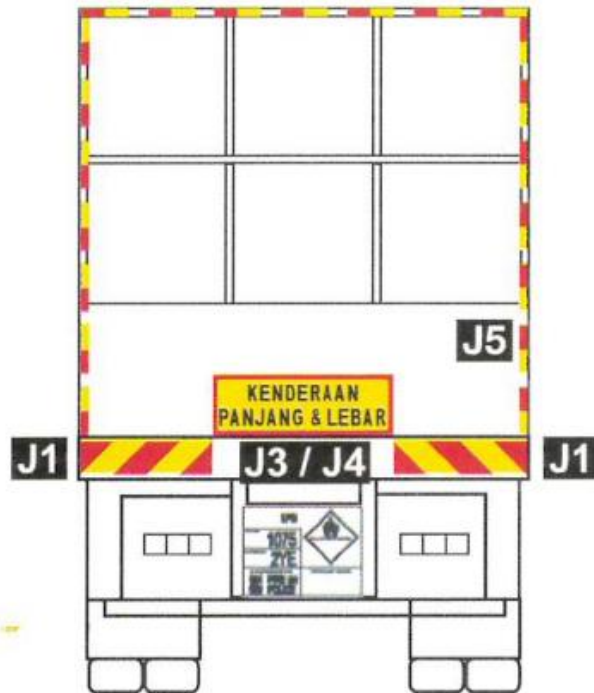








Diagram 16 (h)

Reflector Type	Details
<b>Type 1 (J1) or Type 2 (J2)</b>  <b>J1:</b>   <b>J2:</b> 	<b>Installation:</b>  Installed on the left and right sides of the rear vehicle
<b>Type 3 (J3) or Type 4 (J4)</b>  <b>J3:</b>   <b>J3:</b>   <b>J4:</b> 	<b>Installation:</b>  Installed in the middle of the rear vehicle, as follows: <ul style="list-style-type: none"> <li>• <b>J3 (Kenderaan Panjang):</b> Vehicle length exceeds 12,200mm</li> <li>• <b>J3 (Kenderaan Lebar):</b> Vehicle width exceeds 2,500mm</li> <li>• <b>J4 (Kenderaan Panjang &amp; Lebar):</b> The length and width exceed the above measurement</li> </ul>
<b>Type 5 (J5)</b>  	<b>Installation</b>  Installed in full contour and in accordance with the vehicles' body shape.

BODY CONDITION	
Body Work	<ul style="list-style-type: none"> <li>Body parts including Head / Side / Tail / Floor Board, hinges or holders, panels or any body parts designed to carry or load capacity (Main Wooden Beam and main support pole) shall:                             <ol style="list-style-type: none"> <li>Fitted neatly</li> <li>No cracks, not broken, not dented, not rusted and not leakage</li> <li>Vehicle body not sagging and not worn</li> <li>No modification from the original specification</li> </ol> </li> </ul>
Cab	<ul style="list-style-type: none"> <li>Cab including the floor board shall :                             <ol style="list-style-type: none"> <li>Fitted neatly</li> <li>No cracks, not broken, not dented, not rusted and not perforated</li> <li>No modification from the original specification</li> </ol> </li> </ul>
Paint Work	<ul style="list-style-type: none"> <li>Not faded from the original color and is undamage</li> </ul>
Roof	<ul style="list-style-type: none"> <li>Unbroken, not rusted and no leakage</li> </ul>
Hood and Boot	<ul style="list-style-type: none"> <li>Can be opened and closed neatly (Lock mechanism works properly)</li> <li>The panel not rusted and perforated</li> <li>The paint is in good condition</li> <li>Hinges not loose or not broken</li> <li>Rubber Beading is fitted, not broken or torn</li> </ul>
Body / Cab Sagging	<ul style="list-style-type: none"> <li>Cab mounting is not broken</li> <li>The suspension system is in good condition</li> <li>Chassis frame and cross member not twisted</li> <li>The difference between the left and right of the body height is not very apparent, measured from the ground level to the height of mudguard or body</li> <li>Refer Diagram 11</li> </ul>


	 <p>Diagram 11</p>
Step Board	<ul style="list-style-type: none"> <li>• In good condition</li> <li>• Fitted neatly</li> <li>• Not broken</li> </ul>
Chassis Frame	<ul style="list-style-type: none"> <li>• In good condition and clean</li> <li>• Not rusted, not broken, no crack, not bent, no modification</li> <li>• No cut and joint</li> </ul>
Guard Rail	<ul style="list-style-type: none"> <li>• For Semi Trailer (Guided by the Vehicle Plan)</li> <li>• Not broken, not loose and not rusted</li> </ul>
<i>Cab Protector</i> (For Prime Mover which pull the Semi-Trailers that do not have headboard)	<ul style="list-style-type: none"> <li>• Fitted neatly</li> <li>• No rust, not broken and not loose</li> <li>• Guided by the Vehicle Plan</li> </ul>



Diagram 12

Turn-Table and Fifth Wheel Coupler

- Bolt & nut connected well and must be sufficient
- Not rusted and not perforated
- Lock mechanism works properly (Fifth Wheel Coupler)
- Refer Diagram 13

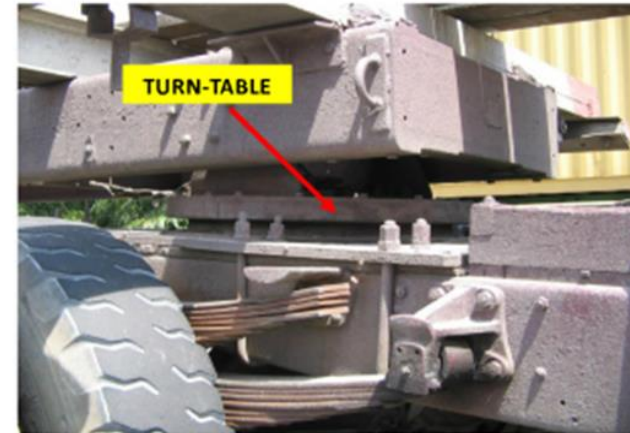

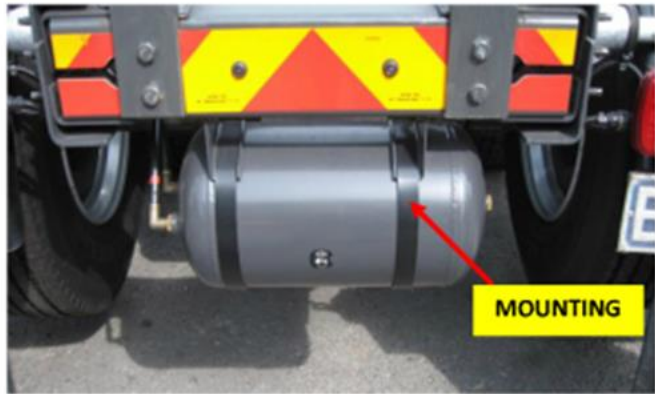


Diagram 13



Twist Lock (Vehicle Type SKO / Open Platform Semi- Trailer)	<ul style="list-style-type: none"> <li>• Not rust, not broken, not bent and not perforated</li> <li>• Functional</li> <li>• The number of twist locks are sufficient</li> <li>• Guided by the Vehicle Plan</li> </ul>
Tipping (For Dumper Tipper)	<ul style="list-style-type: none"> <li>• Pivot Pin - Not worn, not loose and no modification</li> <li>• Subframe - Not broken, not cracked and not perforated</li> <li>• Tipping Hoist - Functional</li> <li>• Hydraulic hose - Not leakage and not broken</li> </ul>
Compressed Air Tank and Mounting	<ul style="list-style-type: none"> <li>• Not leakage</li> <li>• Fitted neatly</li> <li>• Refer Diagram 14</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p style="text-align: center;">Diagram 14</p>
Oil tank, Cover, Mounting and Bracket	<ul style="list-style-type: none"> <li>• Tank - Fitted neatly, not dented, not leakage, not rusted and no unauthorized modification</li> <li>• Cover - Fitted neatly</li> <li>• Mounting and bracket - Fitted neatly and not perforated</li> </ul>
Mudguard and Mudflap	<ul style="list-style-type: none"> <li>• Mudguard - Installed neatly, in good condition and clean, not rusted and not perforated</li> <li>• Mudflap - Installed neatly and not torn, the height does not exceed 152mm from the ground level, fitted to cover the entire width of the tire</li> </ul>
Bumper	<ul style="list-style-type: none"> <li>• Fitted neatly, not loose, not broken, not rusted and not torn</li> </ul>

Under Run Bumper	<ul style="list-style-type: none"> <li>Fitted neatly, in good condition, not broken and not rusted, refer Diagram 15</li> </ul> <div data-bbox="685 256 1890 740" data-label="Image"> </div> <p>Diagram 15</p>
Landing Gear / Base (for Trailer & Semi-Trailer)	<ul style="list-style-type: none"> <li>Functional</li> <li>Not bent</li> </ul>
Hook and Roller (for vehicles type Roll On Roll Off), Garbage Compactor	<ul style="list-style-type: none"> <li>Fitted neatly</li> </ul>
Mixer Drum	<ul style="list-style-type: none"> <li>For vehicle type - concrete mixer</li> <li>In good condition</li> <li>Not rusted, not perforated</li> <li>Have overflow tray to accommodate excess cement</li> </ul>



DOOR AND WINDOWS CONDITION	
Door	<ul style="list-style-type: none"> <li>• Hinges - No gap, not rusted, not loose and not broken</li> <li>• Panel - Not rusted, not perforated and not broken. The panel rubber is not torn or broken</li> </ul>
Lock Mechanism (Door Latch and Lever)	<ul style="list-style-type: none"> <li>• Not loose</li> <li>• Well functioned - can be opened from both the inside and the outside of the vehicle</li> <li>• Not broken</li> </ul>
Door / Windscreen Lining & Rubber Beading	<ul style="list-style-type: none"> <li>• Not broken and not torn</li> <li>• Fitted neatly</li> </ul>
Door Frame & Pillar	<ul style="list-style-type: none"> <li>• Not rusted</li> <li>• Not perforated, not cracked, not broken and not bent</li> <li>• No cut and joint</li> </ul>
Windscreen and Windows	<ul style="list-style-type: none"> <li>• Windows - Can be winded up and down or can be slided</li> <li>• Using safety glass</li> <li>• No cracks more than 6 inches, not loose and not broken</li> <li>• Front Windscreen - Must be cleared and no obstruction (i.e. no sticker etc.)</li> <li>• Vehicle Light Transmittance must complies with the standards (Refer to Tinted Glass Test on page 71)</li> <li>• Any modification must obtain approval from JPJ</li> </ul>
Side and Rearview Mirror	<ul style="list-style-type: none"> <li>• Fitted neatly</li> <li>• Not loose and broken</li> <li>• The mirror view can be adjusted properly</li> <li>• Types of mirrors, refer Diagram 16 <ul style="list-style-type: none"> <li>Class I : Interior Rearview Mirror</li> <li>Class II : Exterior Rearview Mirror (Large)</li> <li>Class III : Exterior Rearview Mirror (Small)</li> <li>Class IV : Exterior Convex Rearview Mirror</li> <li>Class V : Side View Mirror</li> <li>Class VI : Front View Mirror</li> </ul> </li> </ul>

- Vehicle category

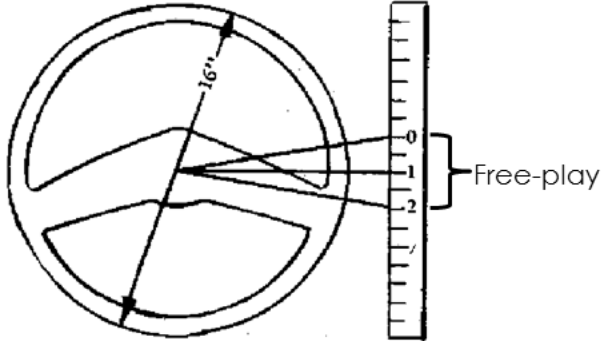
Vehicle Category	Compulsory Fitting	Optional Fitting
M1, N1	Class I & III	Class II, IV, V & VI
M2, M3	Class II	Class I, IV, V & VI
N2 (Laden Weight, BDM $\leq$ 7,500kg)	Class II, IV & V	Class I & VI
N2 (Laden Weight, BDM $>$ 7,500kg), N3	Class II, IV, V & VI	Class I

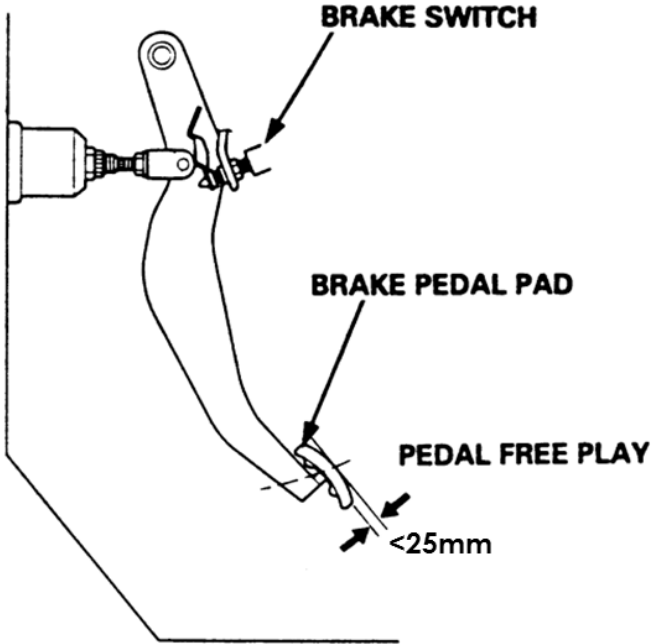
\*Note: Vehicles for driving school use must be fitted with one rearview mirror for the use of instructors and testers.



Diagram 16

Wiper and Washer	<ul style="list-style-type: none"> <li>• Arm - Fitted neatly, works automatically and moves in parallel, not broken, the overall movement covers the driver's visions</li> <li>• Blade - Not torn or broken</li> <li>• Washer - Well functioned</li> </ul>
<b>TYRE / RIM / AXLE</b>	
Tyres	<ul style="list-style-type: none"> <li>• Tyre thread thickness is not less than 1.6mm</li> <li>• All tyres must comply with predetermined standards and markings: <ul style="list-style-type: none"> <li>i. MS for Malaysia Standards</li> <li>ii. E for UNECE</li> <li>iii. DOT for FMVSS Standards</li> </ul> </li> <li>• Tyre size according to the appropriate and allowed specification according to the Vehicle Plan and STB / PG 11A</li> <li>• Tyres does not have: <ul style="list-style-type: none"> <li>i. Bubbles with diameter exceeds 1 inch (25mm)</li> <li>ii. Bulge with diameter exceeds 1 inch (25mm)</li> <li>iii. Torn or split in excess of 1 inch (25mm)</li> <li>iv. Tyres threa layer exposed until thread is seen</li> </ul> </li> <li>• The use of retread tyres is permitted: <ul style="list-style-type: none"> <li>i. Meets MS224 standards</li> <li>ii. Using snow tyres casing(snow tyres) that meets MS224 standards</li> <li>iii. Used for all wheels</li> </ul> </li> <li>• MS224 marking on the tyre surface (sidewall) / shoulder should be: <ul style="list-style-type: none"> <li>i. Embedded or permanent</li> <li>ii. Had MS logo and number</li> <li>iii. Had a name of manufacturer or trademark name</li> <li>iv. Approval number</li> </ul> </li> <li>• Tyres are fitted at the right position on the wheels and do not in contact with any other parts of the vehicle</li> </ul>
Wheel Nut / Stud	<ul style="list-style-type: none"> <li>• All nuts / studs are sufficient, tightened and not broken</li> </ul>
Rim	<ul style="list-style-type: none"> <li>• Rim is not bent and not rusted</li> </ul>

	<ul style="list-style-type: none"> <li>The size of the rim suitable with the allowable tyre size which is guided by Vehicle Plan and STB / PG11A</li> </ul>
<b>Steering System</b>	
Steering	<ul style="list-style-type: none"> <li>Steering Column                             <ul style="list-style-type: none"> <li>i. Column shaft bush not worn</li> </ul> </li> <li>Steering Wheel                             <ul style="list-style-type: none"> <li>i. Bush not worn or broken</li> <li>ii. In good condition and free-play does not exceed 1/8 of the diameter, refer Diagram 17</li> </ul> </li> <li>The steering mechanism shall be so constructed or arranged that no overlock shall be possible and that the wheels shall not in any circumstances foul any part of the vehicle</li> <li>Dust-excluding covers fitted to any joints or connections of the steering mechanism shall be capable of being easily removed to facilitate inspection</li> <li>Clean and non-rusty</li> </ul> <div style="text-align: center;">  <p>Diagram 17</p> </div>
Power Steering	<ul style="list-style-type: none"> <li>For all types of vehicles equipped with power steering</li> <li>No modification</li> <li>Well functioned</li> <li>No oil leakage</li> </ul>
Steering Column Brackets / Bush	<ul style="list-style-type: none"> <li>Fitted neatly</li> <li>Not cracked and loose</li> <li>Well functioned</li> </ul>

BRAKE SYSTEM	
Foot Brake	<ul style="list-style-type: none"> <li>Pedal, refer to Diagram 18                             <ul style="list-style-type: none"> <li>i. Free-play (not more than 25 mm)</li> <li>ii. Pedal bush without excessive usage</li> </ul> </li> <li>Pad, refer Diagram 18                             <ul style="list-style-type: none"> <li>i. The pads are in good condition, not torn and not broken</li> </ul> </li> </ul>  <p>Diagram 18</p>
Brake - Wind Pressure Gauge and Warning Tool	<ul style="list-style-type: none"> <li>Well functioned, refer Diagram 19</li> </ul>

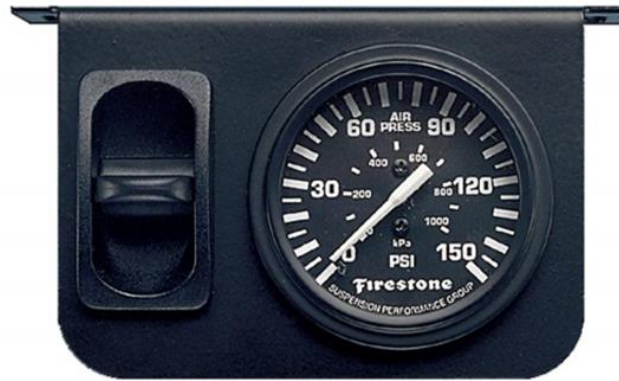


Diagram 19

Brake Fluid

- No leakage
- Reservoir can be closed neatly
- Fluid level is satisfactory

Parking Brake and Linkages (Anchor Lock Spring System)

- Parking brake, refer Diagram 20
  - i. Well functioned
  - ii. Non-loose and no rust on mechanical connections
  - iii. Mechanical Parking Brake Freeplay : max 5 clicks



Diagram 20


	<ul style="list-style-type: none"> <li>• Linkages, refer Diagram 21 <ul style="list-style-type: none"> <li>i. Well fitted and functional</li> <li>ii. Non-loose and no rust on mechanical connections</li> <li>iii. The cable not rusted or break</li> <li>iv. Anchor Lock Spring System well functioned</li> </ul> </li> </ul>  <p style="text-align: center;">Diagram 21</p>
Exhaust Brake (subject to current directive)	<ul style="list-style-type: none"> <li>• In good condition</li> </ul>
Retarder Brake (subject to current directive)	<ul style="list-style-type: none"> <li>• In good condition</li> </ul>
Brake - Hose / Pipe, Cylinder and Servo	<ul style="list-style-type: none"> <li>• Hose / Pipe, refer Diagram 22 <ul style="list-style-type: none"> <li>i. In good condition and functional</li> <li>ii. Not broken, not cracked, not dented and not leakage</li> </ul> </li> </ul>



Diagram 22

- Cylinder, refer Diagram 23
  - i. Connection is not broken or loose
  - ii. No leakage

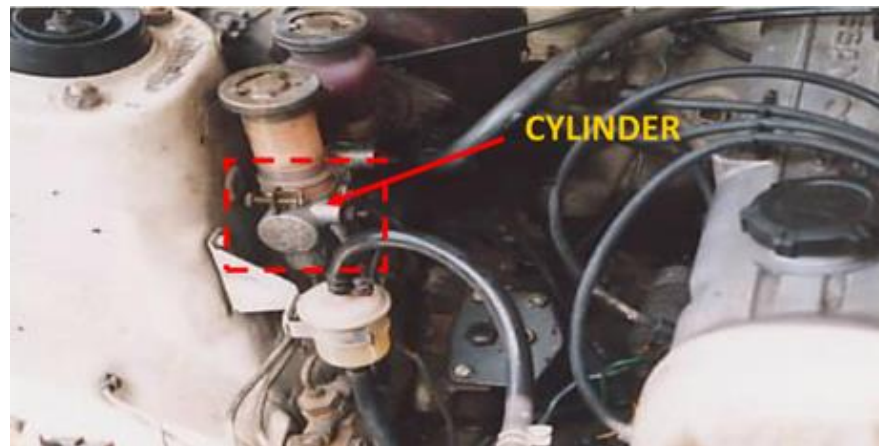


Diagram 23



- Servo, refer Diagram 24
  - Well functioned



Diagram 24

### COOLING SYSTEM

Grill, Radiator, Water-pump, Fan and Hose

- In good condition
- No leakage and not broken
- Radiator - with pressure cap
- Refer Diagram 25

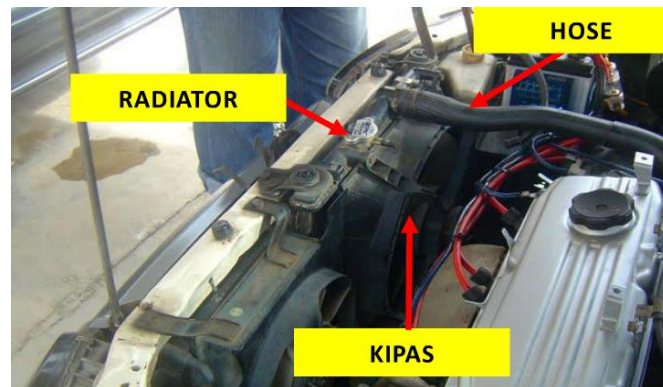
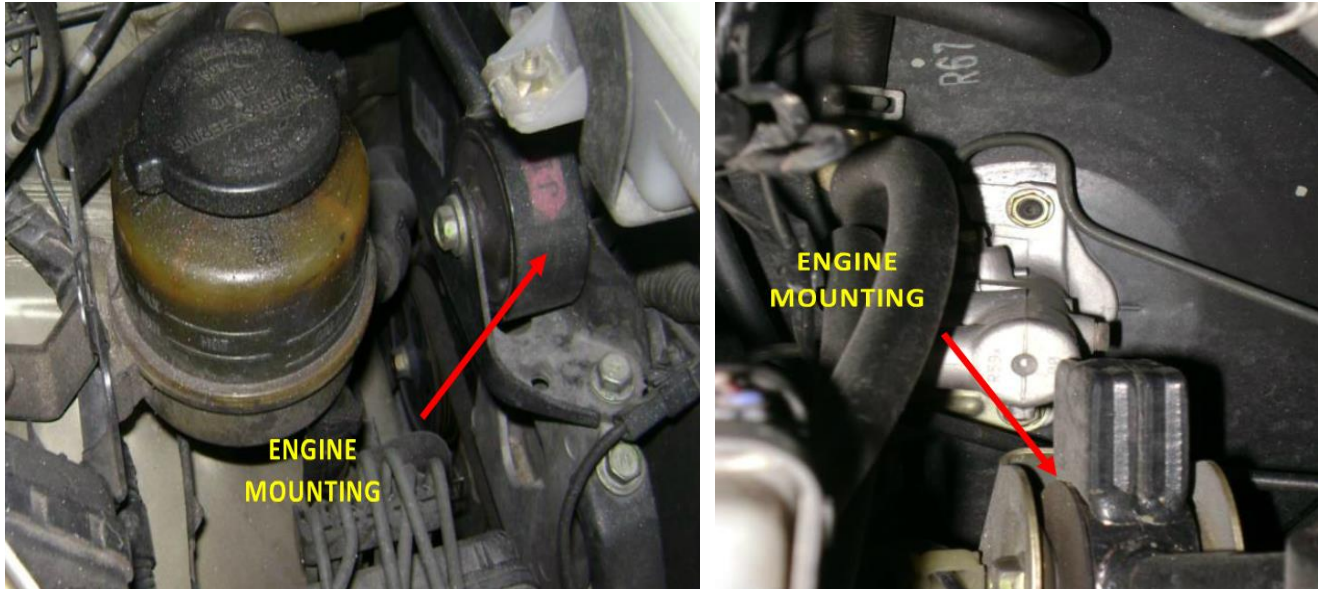


Diagram 25

ENGINE / EXHAUST / TRANSMISSION	
Engine Mounting (except for Trailer & Semi-Trailer)	<ul style="list-style-type: none"> <li>No modification without JPJKA's approval such as: <ul style="list-style-type: none"> <li>The position of mounting surface / engine mounting was not relocate</li> <li>Number of bracket remained – no additional</li> <li>There are no new welding spot other than manufacturer's welding</li> <li>Custom made mounting is not allowed – mounting can't be changed</li> </ul> </li> <li>All engine mounting surface were installed neatly</li> <li>Not broken and not loose</li> <li>Refer Diagram 26</li> </ul>
	 <p>Diagram 26</p>
NGV System	<ul style="list-style-type: none"> <li>No leakage, tank is fitted neatly</li> <li>Installation should be made at the workshop recognized by JPJ</li> </ul>
Transmission - Propeller Shaft / U-Joint	<ul style="list-style-type: none"> <li>Propeller Shaft, refer Diagram 27 <ol style="list-style-type: none"> <li>No modification</li> <li>Not bent and not cracked</li> </ol> </li> </ul>

- iii. The shaft is not in contact with any other parts of the vehicle
- iv. Not worn



Diagram 27

- U-joint, refer Diagram 28
  - Bolts are not loose and sufficient
  - All connection is not loose
  - Bearing housing is sturdy, not cracked or broken
  - Bearing housing on flexible mounting are not worn



Diagram 28

Silencer and Exhaust Pipe

- Each motor vehicle shall be equipped with a silencer and exhaust pipe
- Well fitted
- The connection is neat and not loose
- No leakage
- Fitted on a predetermined position
- No unauthorized modification
- Protected from flammable material
- Refer to Diagram 29, Diagram 29a and Diagram 29b

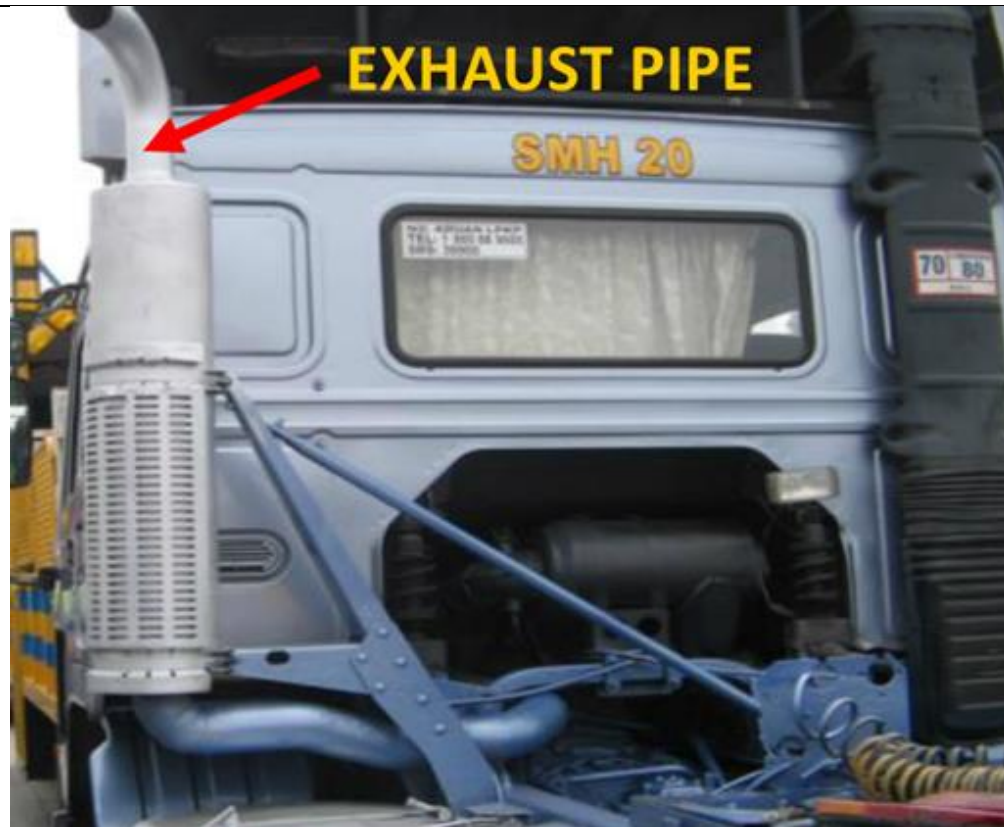


Diagram 29





Diagram 29a

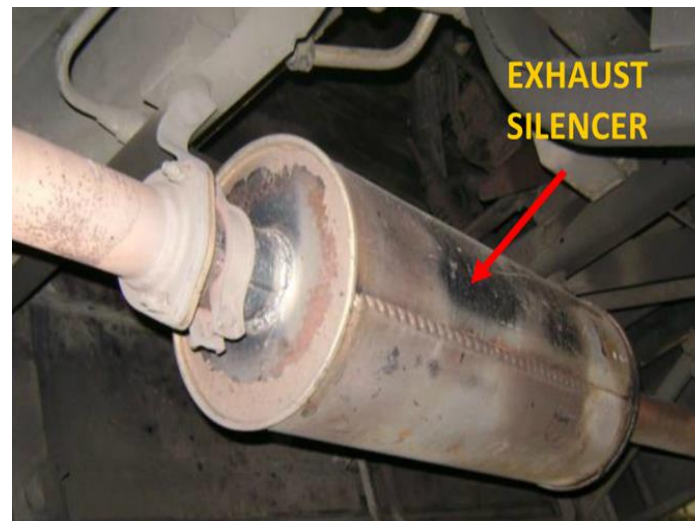


Diagram 29b

<p>Gear Lever / Knob and Dust Cover</p>	<ul style="list-style-type: none"> <li>• Functional and in good condition</li> <li>• Not loose</li> <li>• Dust cover is not torn</li> <li>• Refer Diagram 30</li> </ul> <div data-bbox="577 347 1899 785">  </div> <p>Diagram 30</p>
<p>Accelerator Pedal and Clutch Pedal</p>	<ul style="list-style-type: none"> <li>• Freeplay clutch pedal : max 25mm</li> <li>• Clutch Pedal Bush not worn</li> <li>• The pedal pad is in good condition, not torn and not broken</li> <li>• Refer Diagram 31</li> </ul>

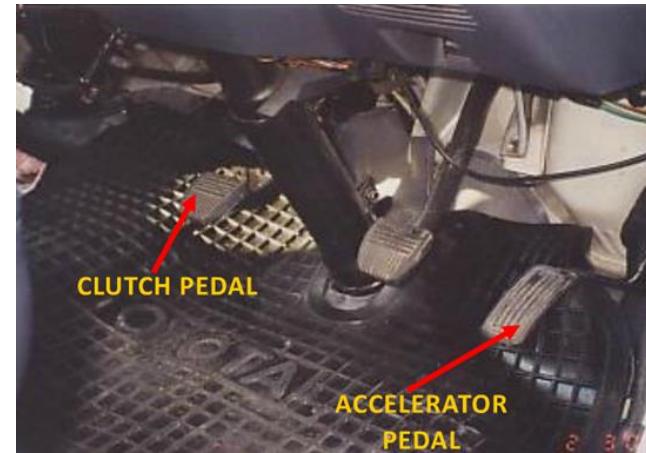


Diagram 31

### LAMP

Front Lamp	<ul style="list-style-type: none"> <li>• High beam and low beam is functional, fitted neatly and not loose</li> <li>• Bright, no broken and not cracked</li> <li>• White light</li> <li>• No modifications from the original specifications (HID / STROBE Lamp and others)</li> </ul>
Registration Number Lamp (Back)	<ul style="list-style-type: none"> <li>• White light, functional, not cracked and not broken</li> <li>• Fitted neatly and light focus directly towards the registration number</li> <li>• No modifications from the original specifications (HID / STROBE Lamp and others)</li> </ul>
Side Marker Lamp	<ul style="list-style-type: none"> <li>• Functional and no broken</li> <li>• Shows a white light to the front</li> <li>• Shows amber / red light to the rear</li> <li>• Fitted on semi-trailers and vehicles that more than 2500mm</li> </ul>
Beacon Light	<ul style="list-style-type: none"> <li>• Functional and amber light only</li> <li>• Beacon light installation need to obtain approval from JPJKA or references will be made from vehicle plan, please refer to the table below:</li> </ul>



	No	Vehicle Type	Description	References
	1	Exceed Measurement	Vehicle which has exceed measurement as per above guideline (refer to the Measurement of Vehicle's Topic)	<b>Vehicle Plan</b>
	2	Slow Moving Vehicle	Machinery, shovel, skylift, backhoe, grader, scraper, agriculture tractor, road roller, paver, roadsweeper and etc.	
	3	Construction Vehicle	Machinery, skylift, kenderaan tunda, emergency attending vehicle, road sweeper, garbage truck, watering tanker, road roller, paver, digger and etc.	
	4	Others Vehicle	Hearse / Funeral Vehicle, Rigid Lorry - Vehicle Carrier and securities vehicles	<b><u>New Registered Vehicle</u></b> Vehicle Plan & Approval Letter from JPJKA  <b><u>Registered Vehicle</u></b> Approval Letter from JPJKA
Rear Lamp	<ul style="list-style-type: none"> <li>• Functional</li> <li>• Installed neatly, steady and not loose</li> <li>• Red light</li> <li>• Bright, not broken and not cracked</li> <li>• Not blinking</li> </ul>			
Stop Light	<ul style="list-style-type: none"> <li>• Fitted neatly and not loose</li> <li>• Not blinking</li> <li>• Red light</li> <li>• No broken and not cracked</li> </ul>			
Third Brake Light	<ul style="list-style-type: none"> <li>• For body type: van, pick-up, MUV and jip</li> </ul>			

	<ul style="list-style-type: none"> <li>• Red light</li> <li>• Not blinking</li> <li>• Fitted at the rear of the vehicle at the centre</li> <li>• Operated at the same time as the stop lights</li> </ul>
Direction Indicator Lamp	<ul style="list-style-type: none"> <li>• Well function, neatly installed and not loose</li> <li>• Not broken and not cracked</li> <li>• Blinking with amber light (singal lamp only)</li> <li>• Red or amber light (Rear Direction Indicator)</li> <li>• White and amber light (Front Direction Indicator)</li> </ul>
Spotlight	<ul style="list-style-type: none"> <li>• Fitted neatly bright, not broken, not cracked and not loose</li> <li>• Well functioned</li> <li>• White or yellow light</li> <li>• Shall be fitted at the front of the vehicle only</li> <li>• Not facing to the back or installed at the rear of vehicle</li> <li>• The switch is not mounted with the main light</li> </ul>
Reverse Lamp (STD in UNECE, Regulation 23, third Schedule Method)	<ul style="list-style-type: none"> <li>• Fitted neatly and not loose</li> <li>• Not blinking during reverse (steady light)</li> <li>• White light</li> <li>• Not broken and not cracked</li> </ul>
Red Reflector	<ul style="list-style-type: none"> <li>• Fitted symmetrically at the rear and on opposite sides of the vehicles</li> <li>• Installation not exceeding 406 mm from outside of the vehicle</li> <li>• Fitted neatly, not broken and not loose</li> </ul>
<b>PUBLIC SERVICE VEHICLE EQUIPMENT</b>	
Driver and Passenger Seat	<ul style="list-style-type: none"> <li>• In good condition, clean and tidy, not torn or not broken until change the original shape that can cause the injury</li> <li>• Comfortable driver seat with suitable type and shape</li> <li>• Can be adjusted toward front and back and up and down</li> </ul>
Dashboard	<ul style="list-style-type: none"> <li>• Clean, neat and not broken</li> </ul>
Odometer	<ul style="list-style-type: none"> <li>• Speed limit is clear</li> </ul>

Warning Instrument - Horn	<ul style="list-style-type: none"> <li>Well functioned</li> <li>Single tone. Horn that sounded like siren and gong is not allowed</li> </ul>
Safety Seat Belt / Passenger	<ul style="list-style-type: none"> <li>Applicable for vehicles with BDM <math>\leq</math> 3,500 kg - compulsory for vehicle registration 1967 and above</li> <li>Functional and in good condition</li> </ul>
Safety Triangle	<ul style="list-style-type: none"> <li>Good condition, an equilateral triangle and can be stood firmly</li> <li>Dimension of an equilateral triangle is 16' x 2' (405 x 51mm)</li> <li>Place it at a distance of not less than 46m from the rear of the vehicle</li> </ul>
Boom Crane	<ul style="list-style-type: none"> <li>Applicable for mobile crane and vehicles equipped with cranes</li> <li>In good condition and functional</li> <li>The validity period of PMA Cert will be reviewed during the Initial and Special Inspection only</li> </ul>
Rear Drawer	<ul style="list-style-type: none"> <li>Applicable for Decontrolled Rigid (below BDM 5000 kg only) and the following body types: <ul style="list-style-type: none"> <li>i. Rigid Lorry - General Cargo (LRA)</li> <li>ii. Lorry Rigid Lorry - Dumper / Tipper (LRD)</li> </ul> </li> <li>Specification of rear drawer installation should be referred to guidelines and Vehicle Plan approved by JPJ <ul style="list-style-type: none"> <li>i. Vehicles that modify the wheelbase extension, with body length exceed 6200mm and wheelbase length exceed 4600mm are not allowed to install rear drawer</li> <li>ii. The maximum length of the rear drawer allowed to be withdrawn is based on the ROH length of 50% of the length of the wheelbase although the vehicle has a ROH length of less than 50%</li> </ul> </li> <li>Certificate of installation need to be presented during PUSPAKOM inspection and to be placed in the vehicle at all times</li> <li>Installation to be neat and sturdy</li> <li>Extension Steel <ul style="list-style-type: none"> <li>i. The installation must have at least 3 locking pin and the distance for each locking pin at least 200mm</li> <li>ii. Equipped with a safety lock so the extension steel movement will lock when the pulled length reaches the maximum allowable length</li> <li>iii. Painted with fluorescent white color</li> </ul> </li> </ul>

- Steel chain should be mounted on the rear drawer to support the load weight
- Additional steel plate should be installed on the tail gate to support the tail gate weight and load
- The rear drawer width should not exceed the back width of the vehicle and the rear drawer height should not exceed the height of the vehicle side fence
- The back drawer should be marked with reflective sticker (J5) and reflective stripes (J1) MS 828 and equipped with brake light, night light and direction light
- Registration number plate shall be mounted on the rear drawer
- Size of the brake light, nightlight and additional direction light should be greater than the original size

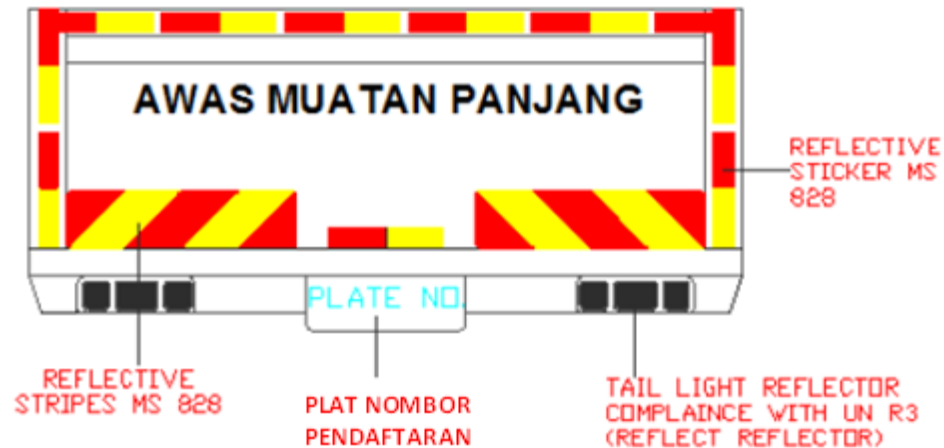


Diagram 32

Partition

- Vehicles type - Van
- Installed neatly behind the driver's seat. Refer Diagram 33



Diagram 33

**UNDER CARRIAGE CHECK**

<b>Axle</b>	
Axle Shaft - Cover, Bolt and Nut	<ul style="list-style-type: none"> <li>• In good condition and not rusted</li> <li>• The quantity of bolt and nut are sufficient</li> </ul>
Axle Subframe	<ul style="list-style-type: none"> <li>• Fitted neatly, not rusted, not perforated and not bent</li> </ul>
Axle Rubber Stopper	<ul style="list-style-type: none"> <li>• In good condition, not perforated and not broken</li> </ul>
King Pin and Bearing	<ul style="list-style-type: none"> <li>• In good condition and not loose</li> </ul>
Axle Bracket, Equalizer, Stabilizer Bar	<ul style="list-style-type: none"> <li>• In good condition, not rusted, not bent, not broken and not modified</li> </ul>
<b>Steering System</b>	
Idler Arm / Sector Shaft	<ul style="list-style-type: none"> <li>• Bush ties not loose</li> <li>• Bush not extremely worn</li> <li>• Not cracked</li> <li>• No modifications</li> </ul>
Steering Linkage, Steering Box & Mounting	<ul style="list-style-type: none"> <li>• Functional</li> <li>• The joining not loose and not worn (Not exceeding 6 mm)</li> <li>• The joining (bolts &amp; nuts) are not loose or not broken</li> <li>• There is no additional connection on the drag link / rod or no modification</li> </ul>
<b>SUSPENSION</b>	
Suspension - Shackle Pins / Eyes / Bushes / Leaf Spring / Coil Spring / Air Bellow / Spring Clips / Spring Hanger	<ul style="list-style-type: none"> <li>• Shackle Pins/Shackle Eyes / Bushes, refer Diagram 34                             <ol style="list-style-type: none"> <li>i. In good condition and functional</li> <li>ii. Not cracked / broken and not modified</li> <li>iii. Bush not worn and not broken</li> </ol> </li> </ul>

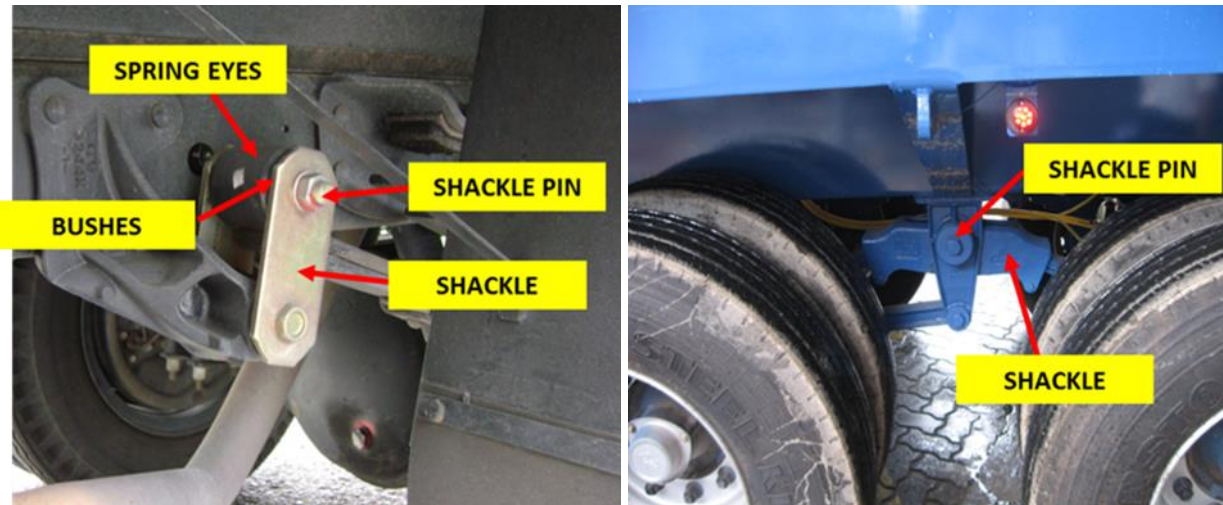


Diagram 34

- Leaf Spring, refer Diagram 35
  - i. In good condition and functional
  - ii. Stacked, not cracked or broken
  - iii. No modification
  - iv. There is no increase in the number of leaf spring
- Spring Clips, refer Diagram 35
  - Bush not worn and not broken
- Spring Hanger, refer Diagram 35
  - In good condition
  - No modification
  - Not broken / cracked

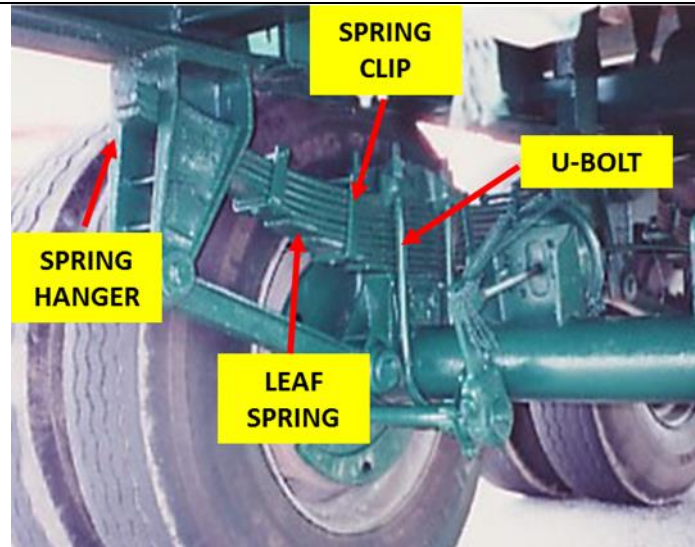


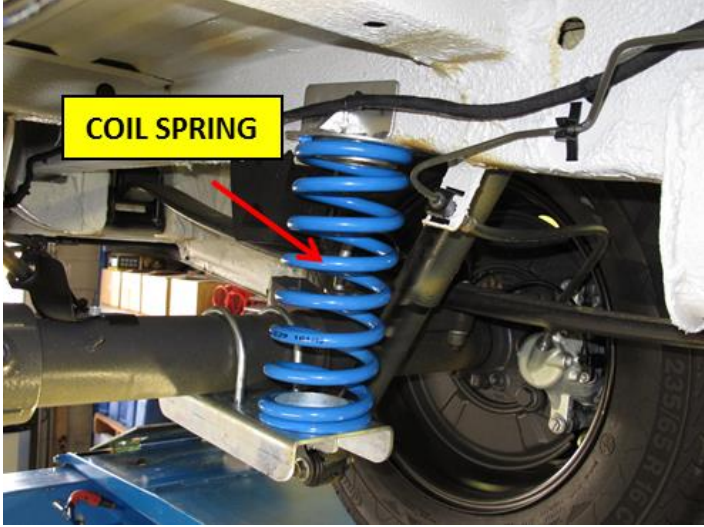
Diagram 35

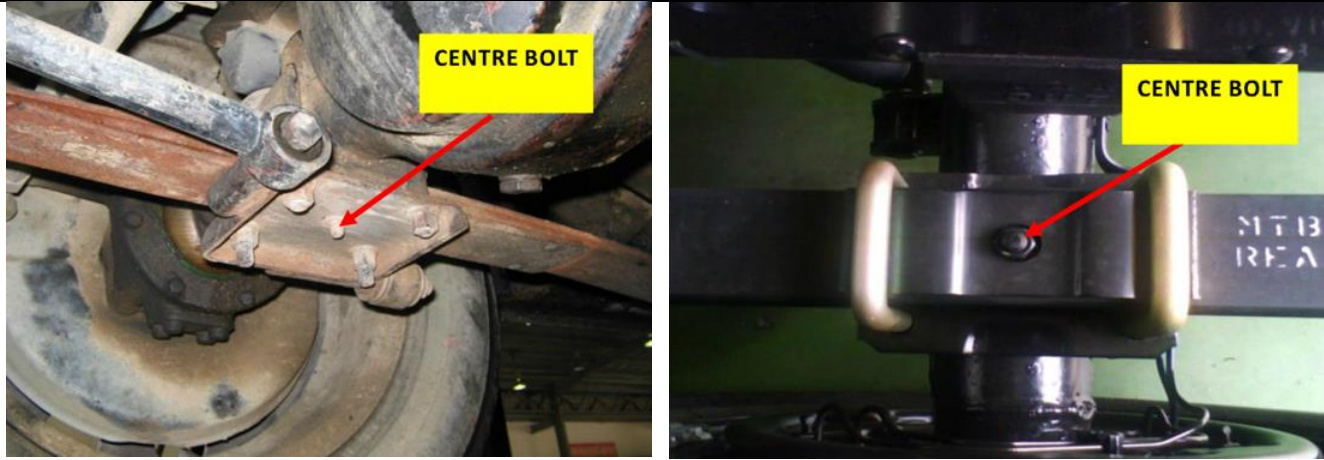
- Air Bellow, refer Diagram 36
  - i. No air leakage on the wall or bellows connection




Diagram 36



	<ul style="list-style-type: none"> <li>Coil Spring, refer Diagram 37                             <ul style="list-style-type: none"> <li>i. In good condition and functional</li> <li>ii. No modification and not broken / cracked</li> </ul> </li> </ul>  <p>Diagram 37</p>
<p>Suspension - Centre Bolt</p>	<ul style="list-style-type: none"> <li>Fitted neatly</li> <li>Not loose and not broken</li> <li>Refer Diagram 38</li> </ul>

	 <p>Diagram 38</p>
Suspension - Shock Absorber	<ul style="list-style-type: none"> <li>• Fitted neatly and functional</li> <li>• No leakage and not bent</li> <li>• No modification</li> <li>• Bush not worn and not broken</li> <li>• Refer to Diagram 39</li> </ul>

	 <p>Diagram 39</p>
<p>Suspension - Radius Arm, Upper and Lower Wish Bone Arm, Torsion Bar</p>	<ul style="list-style-type: none"> <li>• Not bent and not cracked</li> <li>• Fitted tightly</li> <li>• Bush is not worn and not broken</li> <li>• Refer Diagram 40</li> </ul>

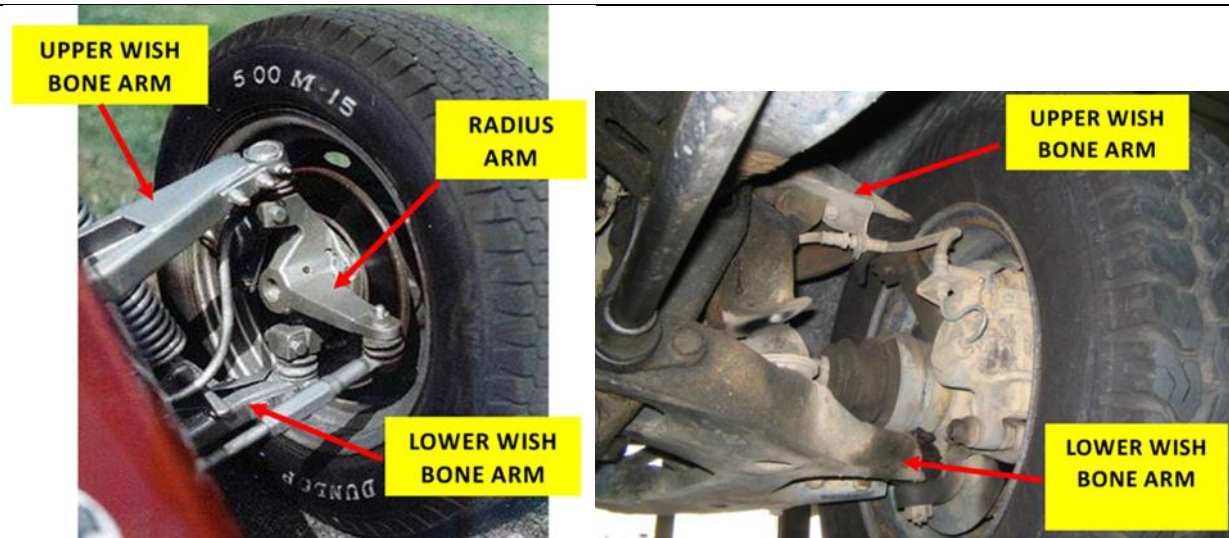


Diagram 40



ENGINE / EXHAUST / TRANSMISSION	
Gear Box and Mounting	<ul style="list-style-type: none"> <li>• Not loose or not broken</li> <li>• No oil leakage</li> <li>• No unauthorised modification (i.e. auto to manual or otherwise). JPJ approval is required.</li> <li>• Refer to Diagrams 41</li> </ul> <div data-bbox="734 400 1344 829" data-label="Image"> </div> <div data-bbox="1366 400 1991 829" data-label="Image"> </div> <p>Diagram 41</p>
Engine Oil Sump (except Trailer and Semi-Trailer)	<ul style="list-style-type: none"> <li>• No oil leakage</li> <li>• Refer Diagram 42</li> </ul> <div data-bbox="741 938 1350 1367" data-label="Image"> </div> <div data-bbox="1366 938 1991 1367" data-label="Image"> </div>

	Diagram 42
Fly Wheel Cover	<ul style="list-style-type: none"> <li>Fitted neatly</li> <li>Not broken</li> </ul>
<b>BODY CONDITION</b>	
Cross Member / Body U-Clamp	<ul style="list-style-type: none"> <li>Cross Member, refer Diagram 43                             <ul style="list-style-type: none"> <li>i. In good and clean condition</li> <li>ii. Not rusted and not perforated</li> <li>iii. Not broken, not cracked and not bent</li> <li>iv. No modification</li> </ul> </li> </ul>





Diagram 43

- Body U-Clamp, refer Diagram 44
  - i. In good and clean condition
  - ii. Not rusted and not perforated
  - iii. Not broken, not cracked and not bent
  - iv. No modification

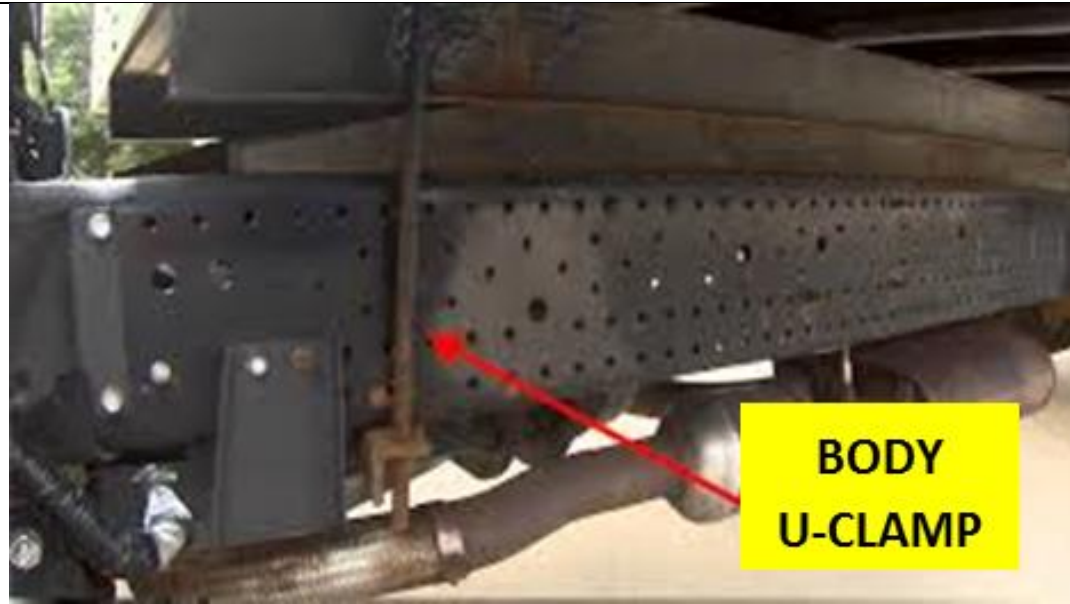


Diagram 44



PUBLIC SERVICE VEHICLE EQUIPMENT

(SPECIAL REQUIREMENT FOR VEHICLE CARRYING PETROLEUM / LPG PRODUCT AND FLAMMABLE ITEM)



<p>Fire Extinguisher</p>	<ul style="list-style-type: none"> <li>• Vehicles that carry petroleum / LPG and flammable item                             <ol style="list-style-type: none"> <li>i. 1 unit of 2kg fire extinguisher - CO2 or dry chemical powder type in the vehicle cabin</li> <li>ii. 2 unit of 9kg fire extinguisher - dry chemical powder (ABC) type. To be locate at the left and right side of the tank / cab</li> </ol> </li> <li>• In good condition and functional</li> <li>• Must be placed in the right place, easily accessible when needed</li> <li>• Refer Diagram 45</li> </ul> <div data-bbox="1025 619 1736 1101">  </div> <p>Diagram 45</p>
<p>Earthing Strap</p>	<ul style="list-style-type: none"> <li>• For vehicles carrying fuel and gas (petroleum products, class A &amp; class B)</li> <li>• Installed to prevent imbalance of electric charge accumulation between components</li> <li>• Earthing strap shall be fitted until it reaches the ground surface</li> <li>• Refer Diagram 46</li> </ul>



Diagram 46

Fire Shield	<ul style="list-style-type: none"> <li>For vehicles carrying fuel and gas (Class A and Class B)</li> <li>To be fitted behind driver's cab</li> <li>Material need to be fire-resistant and heat-resistant</li> <li>The height of the fire shield should not exceed 12 inches from the ground surface</li> <li>If there is a mirror behind the cab, it should be replaced with a heat-resistant material</li> </ul>
Master Cut-Off Switch	<ul style="list-style-type: none"> <li>For vehicles carrying petroleum</li> <li>Well functioned</li> <li>Must be placed in the driver's area</li> </ul>
Hazchem's Coding	<ul style="list-style-type: none"> <li>Hazchem's Coding display (Class A, B and C and Chemicals Petroleum Carrier Vehicles), refer Diagram 47</li> </ul>

	 <p>Diagram 47</p>
<p>Silencer &amp; Exhaust Pipe</p>	<ul style="list-style-type: none"> <li>Fitted in front of the fire shield and facing to the right / left of the vehicle</li> </ul>

### TINTED GLASS TEST

Windscreen	70%
Front window - left and right (includes front quarter glass)	50%
Side window (middle) - left and right	30%
Rear window - left and right and rear window / screen	30%
1/5 or 20% at the uppermost part of windscreen exempted from the rules	

For Hearse / Funeral Vehicle, middle and rear side window and rear window are exempted from rules.

### INSPECTION STANDARDS

Bil	Inspection Item		Unit	Passing Limit
i.	Smoke Emission Test (Diesel Engine)		%	$\leq 50$
ii.	Gas Analyser (Petrol Engine)	Manufactured before 1/1/1997: Carbon Monoxide (CO)	%	$\leq 4.50$
		Manufactured before or after 1/1/1997: Carbon Monoxide (CO)		$\leq 3.50$
		Manufactured before 1/1/1997: Hydrocarbon (HC)	ppm (part per mill.)	$\leq 800$
		Manufactured on or after 1/1/1997: Hydrocarbon (HC)		$\leq 600$
iii.	Headlight Test (Low Beam Vertical Position)		cm/10m	-35 to -5
iv.	Side Slip Test		m/km	$-5 \geq x \geq +5$

v.	Brake Test	Type of Vehicles	BDM (kg)	Overall Brake Efficiency (%)		Imbalance Brake (%)	
				Manufactured $\geq 2010$	Manufactured $< 2010$	Front	Rear
		Commercial Vehicle (Goods)	$BDM \leq 3500$	$\geq 50$	$\geq 45$	$\leq 30$	$\leq 30$
		Commercial Vehicle (Goods)	$3500 < BDM \leq 12000$	$\geq 50$	$\geq 43$	$\leq 30$	$\leq 30$
		Commercial Vehicle (Goods)	$BDM > 12000$	$\geq 50$	$\geq 43$	$\leq 30$	$\leq 30$
		Semi Trailer	$750 < BDM \leq 3500$	$\geq 45$	$\geq 40$	-	-
		Drawbar Trailer	$750 < BDM \leq 3500$	$\geq 50$	$\geq 40$	-	-
		Semi Trailer	$3500 < BDM \leq 10000$	$\geq 45$	$\geq 40$	-	-
		Drawbar Trailer	$3500 < BDM \leq 10000$	$\geq 50$	$\geq 40$	-	-
		Semi Trailer	$BDM > 10000$	$\geq 45$	$\geq 40$	-	-
		Drawbar Trailer	$BDM > 10000$	$\geq 50$	$\geq 40$	-	-
		Notes: Passing limit for parking brakes is $\geq 15\%$ . Applicable for vehicle BDM $< 6000\text{kg}$ only					

## FREQUENTLY ASKED QUESTIONS

### REGISTRATION – INITIAL INSPECTION

1. What should I do if I have just bought a lorry (New / Used)?  
**Initial Inspection has to be conducted at PUSPAKOM**
2. Does my lorry need to be registered on company's name?  
**Yes, it needs to be registered on company name.**
3. What documents are required for the Initial Inspection?  
**Refer to the Documentation section of pages 9 - 10.**
4. How can I get a copy of PG11A, can I get PG11A at different branches?  
**PG11A can be obtained from inspection centre that conduct the initial inspection previously.  
However, customer also can obtain the copy from other branches too (which conducted same inspection type). Please liaise with Branch Manager if you wish to get the copy of PG11A from other branches.**
5. Do I need a Vehicle Plan to undergo PUSPAKOM inspection?  
**For the Pre-Owned Vehicles, it can be excluded.  
However, for New Vehicles and Pre-Owned Vehicles which requires the calculations of volume, i.e. tanker vehicle / cement mixers, Vehicle Plan / PG11A is required.**
6. Where can I get a lorry plan?  
**From Vehicle Plan Consultant.**
7. If my lorry does not have a plan or PG11A, can I undergo an Initial Inspection?  
**Yes, inspection shall be continued. Our branch will conduct the physical measurements and will be submitted to the Head Office (VPV Section) for approval (Except for tankers and concrete mixers).**

8. What are the main inspection items for the Initial Inspection?

- **Inspection will be based on the Vehicle Plan**
- **Inspections include identity check, weighing, measurement, visuals and equipment (refer to the Guidelines as above).**

9. What is the main aspect that PUSPAKOM's consider during measurement process?

**Measurements must be accurate according to the vehicle plan / PG11A / Motor Vehicles (Construction and Use) Rules 1959 / Road Transport Act 1987.**

### ROUTINE INSPECTION / RE-INSPECTION

10. How often the inspections need to be done? Why?

- **Commercial Vehicle (Good) – ONCE A YEAR in the first 2 years and consecutively once in every 6 months.**
- **Skeleton Trailer – ONCE A YEAR for the vehicles aged below 10 years**

**The Road Transport Act 1987 requires that all commercial vehicles to undergo Routine Inspection at PUSPAKOM every 6 months. During an inspection, we will check all the important parts on a vehicle to make sure they meet the required legal and standard limits. Periodical inspection will help to reduce road accident and safeguard the lives of drivers, passengers and other road users.**

11. What documents are required for the routine inspection / re-inspection?

**Refer to Documentation page 9 - 10.**

12. How much is the fee for routine inspection / re-inspection?

**Refer to Fee section, inspection page 10.**

13. Does measurement and weighing process involve in Routine Inspection?

**No it doesn't, except the vehicle is suspected involved in any modifications.**

14. My lorry had frequent failures on the brake / smoke / alignment / etc., what I need to do?

**Please do a continuous maintenance and the repairwork must be according to the fail items.**

**For the reference, please refer to the Inspection Standards section in page 72 - 73 and at [www.puspakom.com.my](http://www.puspakom.com.my).**

15. What will happen if the inspection fails more than 3 times?

**If the failures related to the brake test, it will be automatically blacklisted. Next, the 3x Brake Fail Form will be submitted to JPJ for prohibition to be on the road. Upon repaired, the owner must obtain JPJ's permission for re-inspection.**

**For others failure, re-inspection shall be done as usual, no referral to JPJ is required.**

16. Why inspection item differ from previous inspection?

**Vehicle owners should refer to the latest instructions from our website as well as our Facebook. For information, the inspection are subject to the vehicle's condition during attended the inspection.**

### VISUAL ITEMS

17. Does my lorry need to be washed before sending it for inspection?

**Vehicle owners need to prepare for the vehicle inspection, i.e. hygienic and damages that requires repair work.**

18. Can I use Retread Tyres?

**Yes it can be used with the condition of complying with MS 224. Refer to the Commercial Vehicle Inspection Guidelines (Goods) as above.**

19. The company has changed the address, so should the lorry address be corrected?

**Yes, Special Inspection (B2) – *Selaras Alamat* should be conducted**

20. Lorry color has faded, should I repaint?

**No need for Routine inspections.**



21. Faded wording on lorry but still readable, will it be approved during inspection?

**It can be approved, but owners should always ensure vehicle conditions are satisfactory.**

22. Can I install tinted on lorry?

**Yes you can. Please ensure it is according to the required standards. Refer to the Tinted Glass Test section of page 71.**

23. I want to paint the lorry's body according to the corporate color of the company, is it allowable?

**Yes, but the color can not resemble the authorities and exceeds 3 colors.**

24. I want to put an advertisement on a lorry's body, is it allowable?

**It is allowable. Subject to current directive.**

25. For Trailer – Curtain Sider, if there are some torn parts, is it allowable?

**Side curtain need to be in good condition and not perforated / torn.**

26. If the curtain sider trailers have 30 buckles, only 2 buckles are broken, will it be failed during inspection?

**Buckle curtain need to be in good condition and will not cause harm to any person on the vehicle or on the Road (Method 94 of Construction and Use).**

### OTHER INSPECTION ON COMMERCIAL VEHICLES (GOODS)

27. If I'm doing the lorry modification, i.e. changing the lorry's floor, what should I do?

**Special Inspection is required and it can be done concurrently with Routine Inspection.**

28. I have changed the lorry engine, what should I do?

**Please get JPJ approval before undergo Special Inspection (B2) - Penukaran Enjin. It can be done concurrently with Routine Inspection.**

29. Commercial vehicles converted to private usage and need to be changed the ownership, can it be done concurrently?

**Yes, it can be done concurrently.**

## **OTHERS**

30. I bought a lorry, but did not intend to register as a business, what do I need to do?

**Special Inspection (B2) - Tukar Kegunaan / Tukar Milik is required.**

31. If I can not attend Routine Inspection, what do I need to do?

**You need to request for a postponement at JPJ. Vehicle registration cards, Inspection Report and LKM need to be submitted to JPJ for this process.**

32. Do all lorries have a vehicle plan?

**Yes, all lorries have a vehicle plan.**

33. Do I need to remove all items from the lorry before sending it for inspection?

**Yes, vehicle should be well prepared for the inspection.**

34. My lorry's LKM had expired, can I bring a vehicle to PUSPAKOM without road tax?

- **Need to obtain a 1-day permit from JPJ for inspection purposes only or;**
- **Using the Trade Plate registered by the company.**

## WHISTLEBLOWER POLICY

If you suspect, or are you aware of any misconduct happening at PUSPAKOM, kindly inform us via email, call or letter to below personnel:.

- i. E-mail at [whistleblowing@drb-hicom.com](mailto:whistleblowing@drb-hicom.com) ; or
- ii. Call 1-800-88-2005 ; or
- iii. **Mailing Address**  
Group Internal Audit Division  
DRB-HICOM Berhad  
Level 5, Wisma DRB-HICOM  
No.2, Jalan Usahawan U1/8,  
Seksyen U1, 40150 Shah Alam  
Selangor Darul Ehsan, Malaysia

## TERMS & CONDITIONS

- This guidebook is for general reference only.
- This guidebook is subject for amendments and orders issued by the authorities from time to time.
- While every effort has been made to ensure the accuracy of the content of this guidebook. Any inquiries may refer to the Communications & Customer Service Department, PUSPAKOM Sdn Bhd.
- Issue: July 12, 2021.
- Updated: 15 March 2024

## REFERENCE

1.0	Road Transport Act 1987 (Act 333)
2.0	Road Transport Rules
3.0	Environmental Quality Act 1974 (Act 127)
4.0	Commercial Vehicles Licensing Board Act 1987
5.0	Land Public Transport Act 2010
6.0	Authorities Directives (JPJ, JAS, APAD, LPKP)
7.0	Operational Directives PUSPAKOM
8.0	Standard Operating Procedures PUSPAKOM

## CONTENT PROVIDERS

- Encik Azhan Bin Awang
- Tuan Haji Kasmini Bin Kassim
- Encik Mohamad Adnan Bin Misuan
- Encik Mohd Arif Bin Abdul Latip
- Encik Mohd Farhan Bin Nazmi
- Puan Nor Hidayah Binti Mohamed Jaafar
- Encik Nurulmuhammad Bin Abdullah Tahmin