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2 August 2017

Please see Distribution List
All Motor Dealers/Importers
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VRL/13/2017
Our ref LTA/VR&L/V43.054.000
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Dear Sir / Madam

Registration of Power-Assisted Bicycles (PABs) From 14 August 2017

Please refer to our press release of 2 August 2017 (see **Attachment**).

Registration of PABs will commence on 14 August 2017. A PAB owner must be at least 16 years old. A registration fee of \$50 is payable per PAB registration. Upon registration, a number plate must be affixed on the PAB within 3 calendar days.

Unsealed PABs as of 14 August 2017

From 14 August 2017, registration of the PABs will be carried out with the sealing of the PABs at selected LTA-authorized inspection centres¹ (AIC). Please bring along the necessary registration documents and fees (see Annex A of press release) for registration of the PAB when you send the PABs for type-approval / sealing at the AICs.

Existing sealed PABs

Existing sealed PAB owners will have up to 31 January 2018 to register their PABs online using Singpass/CorpPass/EASY (www.onemotoring.com.sg) or at any SingPost post offices.

To encourage early registration, the registration fees of \$50 will be waived for all PABs registered by 30 November 2017.

Enforcement against unregistered PABs from 1 February 2018

From 1 February 2018, owners who are caught using an unregistered PAB or a PAB without a valid number plate on public roads or cycling / shared paths may be fined and/or jailed.

¹ VICOM Inspection Centres located at Sin Ming, Bukit Batok and Kaki Bukit and STA Inspection Centres located at Sin Ming and Boon Lay.

Transfer and deregistration of PABs

Owners of PABs can transfer and deregister their PABs online using Singpass/ CorpPass/EASY (www.onemotoring.com.sg). A transfer fee of \$11 will be payable per transfer. Deregistered PABs must be kept off the public roads or cycling / shared paths.

For more information on PAB-related requirements, please visit www.onemotoring.com.sg (Information & Guidelines > Buy a New Vehicle > Power-Assisted Bicycles).

Please bring the contents of this circular to the attention of your members and staff accordingly. Thank you.

Yours faithfully



Ng Lay Choo (Ms)
Deputy Director
VRL Service Operations Division
Vehicle Services Group

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News Release



No.1 Hampshire Road Singapore 219428
Tel: 1800-CALL LTA (1800-2255 582) Fax: (65) 6396 1595

Date of Issue: 2 August 2017

Registration of Power-Assisted Bicycles to Start on 14 August 2017 *Registration fee waived for early registration, for bicycles which are approved and affixed with LTA's seal before 14 August 2017*

The registration of Power-Assisted Bicycles (PABs) will commence on 14 August 2017, and owners of PABs will have until 31 January 2018 to register their PAB and affix it with a number plate. The registration of PABs aims to enhance enforcement against reckless riding and the use of non-compliant PABs. This will improve the safety of other path and road users, in particular pedestrians.

How to Register PABs

- To register a PAB, the owner must be at least 16 years old, and the PAB must first be approved and affixed with a valid LTA seal.
- Those who currently own PABs with valid LTA seals can register their PABs online at www.onemotoring.com.sg by logging in with their SingPass/ CorpPass/EASY and using their PAB's seal number. Alternatively, they can go to any SingPost post office with the relevant identification documents and their PAB's seal number. Existing sealed PABs which are registered by 30 November 2017 will have the registration fee of \$50 waived.
- New PABs which have not been approved and sealed must be sent to select LTA-Authorised Inspection Centres¹ (AICs) for inspection, approval and sealing. Only PABs which meet the latest technical requirements² will be approved and sealed. The AICs will register the PABs at the same time. The S\$50 registration fee and other fees for inspection, approval and affixing of LTA's seal will apply in these cases.
- Please refer to **Annex A** for more details on registering a PAB.
- Upon successful registration, owners will have 3 days to affix the number plate bearing the assigned registration number to the rear of their PAB. Please refer to **Annex B** for more details on number plate specifications.
- Any PAB owner who has registered their PAB and subsequently wishes to sell the PAB must transfer registration of the PAB³ online at www.onemotoring.com.sg by logging in with their SingPass/CorpPass/EASY, no later than 7 days after possession of the PAB is transferred to the buyer. A transfer fee of \$11 will be charged.

¹ These LTA Authorised Inspection Centres are: VICOM Inspection Centres at Sin Ming, Bukit Batok, Kaki Bukit and STA Inspection Centres at Sin Ming and Boon Lay.

² Please see Annex A for details on the technical requirements for PABs.

³ Once the PAB seller initiates a transfer, the PAB buyer will be notified and will have to confirm the transfer within 5 calendar days.

Important Dates to Note

- Please see the table below for some important dates related to registration of PABs. In particular, from 1 February 2018 onwards, only PABs bearing orange seals can be registered.

14 August 2017	1 December 2017	1 February 2018
<ul style="list-style-type: none">• PAB registration begins.• To register, the PAB must first be approved and affixed with a valid seal. The owner of the PAB must be at least 16 years old.• Registration fee of \$50 is waived for early registration of PABs which have been sealed before 14 August 2017.	<ul style="list-style-type: none">• Registration fee of \$50 is now payable for all PABs.	<ul style="list-style-type: none">• Anyone caught keeping or using an unregistered PAB or one without a valid number plate on public roads or any public paths are liable to a fine and/or jail term.• Only PABs bearing LTA's orange seals can be registered, as these PABs meet the tighter technical requirements that came into effect on 1 February 2016.

Penalties for Unregistered and Non-compliant PABs

- Those keeping or using an unregistered PAB on public roads and public paths (cycling/shared/pedestrian paths) are liable to be fined up to \$2,000 or jailed up to 3 months, or both, for the first offence. Users caught using a PAB without a valid number plate displayed are liable, on first conviction, to be fined up to \$1,000 or jailed up to 3 months, or both.
- As previously announced, PABs which have not previously been approved and sealed, must now meet the technical requirements which came into effect on 1 February 2016. Anyone using a non-compliant PAB can be fined up to \$5,000 or jailed up to 3 months, or both, for the first offence. The offending PAB could be seized. Retailers found selling non-compliant PABs or modifying PABs illegally will face similar penalties.

Public Engagement





- LTA will be distributing brochures and posters island-wide to inform PAB owners of this new registration requirement. LTA officers will also engage retailers to help them better understand the new requirements. More information on the registration of PABs can be found at onemotoring.com.sg > Information & Guidelines > Buy A New Vehicle > Power-Assisted Bicycle.

Annex A: How to Register your PAB

Annex B: Specifications for PAB Registration Number Plates

Annex C: PAB Registration Poster & Brochure

How to Register your PAB

Registration requirements	<p>1) Your PAB must first be approved and have a valid LTA seal. 2) You, as the owner of the PAB, must be at least 16 years old.</p>				
Registration fee	<p><u>Free</u> if your PAB was affixed with a LTA seal before 14 August 2017, and you register this PAB by 30 November 2017. Otherwise, a registration fee of S\$50 per PAB is payable.</p>				
<u>PABs with a valid LTA seal as of 14 August 2017</u>	<p>1) Register online at www.onemotoring.com.sg with your SingPass/CorpPass/EASY, PAB seal number and scanned copy of original identification documents⁴; or 2) Register at any SingPost post office island-wide (until 31 January 2018 with completed PAB02 Registration Form, PAB seal number and your original identification documents.</p> <p><i>Note: PABs with the LTA blue seal (old technical requirements) will have to be registered by 31 January 2018, after which they will not be allowed to register.</i></p> 				
<u>PABs without a valid LTA seal as of 14 August 2017</u>	<p>Go to a selected LTA-Authorised Inspection Centre for PAB inspection, approval, affixing with a LTA orange seal, and registration.</p> <ul style="list-style-type: none"> • The S\$50 registration fee, and other fees for inspection, approval and affixing with LTA seal will apply. • The PAB must meet the following technical requirements for it to be approved: <table border="1" data-bbox="507 1355 1380 1856"> <tr> <td data-bbox="507 1355 1380 1451" style="text-align: center;">Technical requirements for PABs to be approved and affixed with orange seal, effective from 1 February 2016</td> </tr> <tr> <td data-bbox="507 1451 1380 1691" style="text-align: center;">  </td> </tr> <tr> <td data-bbox="507 1691 1380 1780">Construction of PAB shall be similar to that of a conventional bicycle and it shall only be powered by an electric source</td> </tr> <tr> <td data-bbox="507 1780 1380 1856">Motor of PAB can cut in only when the rider starts to pedal. PAB must not have any start-up assistance feature or throttle</td> </tr> </table>	Technical requirements for PABs to be approved and affixed with orange seal, effective from 1 February 2016		Construction of PAB shall be similar to that of a conventional bicycle and it shall only be powered by an electric source	Motor of PAB can cut in only when the rider starts to pedal. PAB must not have any start-up assistance feature or throttle
Technical requirements for PABs to be approved and affixed with orange seal, effective from 1 February 2016					
					
Construction of PAB shall be similar to that of a conventional bicycle and it shall only be powered by an electric source					
Motor of PAB can cut in only when the rider starts to pedal. PAB must not have any start-up assistance feature or throttle					

⁴ Scanned identification documents are only required for FIN holders, and Singaporeans/Permanent Residents who turn 16 years old in the year of PAB registration. Singaporeans/Permanent Residents who are 17 years old or older do not need to submit scanned identification documents.

	Motor power of the PAB shall be progressively reduced ⁵ and finally cut off as the bicycle reaches 25km/h, or sooner, if the cyclist stops pedalling (part of EN15194 Standard)
	Maximum Power Output rating of the PAB's motor shall not exceed 250W (part of EN15194 Standard)
	The PAB shall comply with European Standard EN15194
	Unladen weight of the PAB shall not exceed 20kg
Affixing a number plate on PAB upon registration	<p>Upon registration, the PAB will be assigned a registration number. Within 3 calendar days of successful registration, you will need to affix a number plate bearing the assigned registration number at the rear of the PAB.</p> <p>Font specifications, margins and spacing for PAB registration plates are similar to that of motorcycles' front number plates - please refer to Annex B for Specifications for PAB Registration Number Plates.</p>

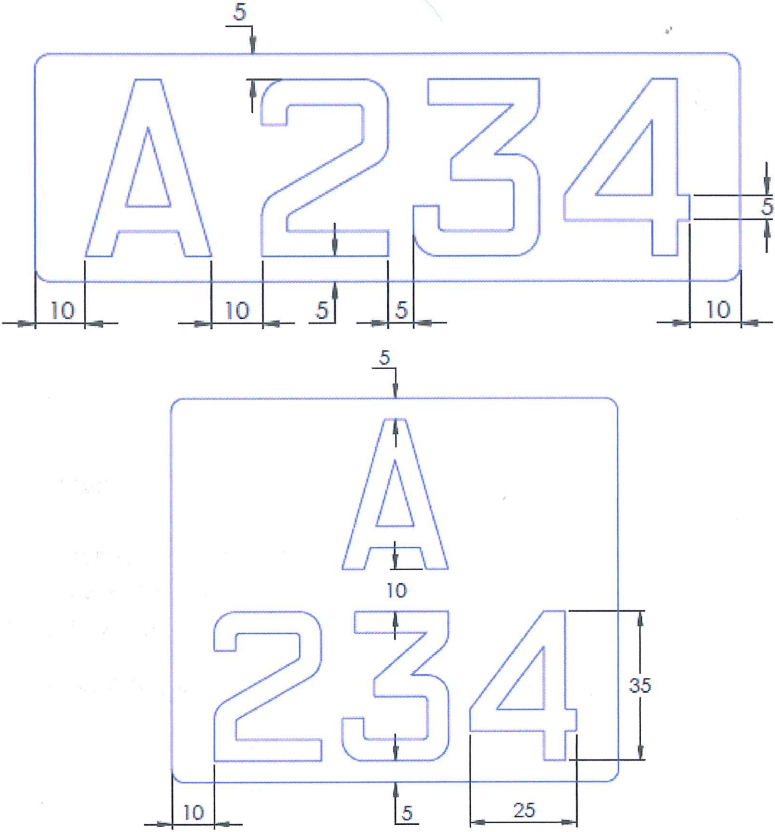
⁵ As EN15194 requires motor power assistance to be progressively and smoothly managed, this makes the PAB less prone to jerking when moving off from a stationary position, making it safer for the rider and other road users.

Specifications for PAB Registration Number Plates

The number plate must be



- Either
 - Black characters against a yellow background or
 - White characters against a black background.
- Permanently affixed at the rear of the PAB, with characters facing the rear.

Font specifications, margins and spacing for PAB number plates*




*All measurements are in millimeters (mm).

Registration number with	Display rules	Example
4 or less figures (e.g. 2345)	Only single row	<div style="background-color: black; color: white; padding: 5px; display: inline-block;">2345</div> <div style="background-color: yellow; color: black; padding: 5px; display: inline-block;">2345</div>
5 figures (e.g. 23456)	Either single row or two rows provided the top row displays first two figures	<div style="background-color: black; color: white; padding: 5px; display: inline-block;">23456</div> <div style="background-color: yellow; color: black; padding: 5px; display: inline-block;">23456</div>

		
<p>mixture of letters and figures (e.g. A234)</p>	<p>Single row or two rows provided top row displays only letters and lower row displays figures</p>	


PAB Registration Poster & Brochure



REGISTER YOUR POWER-ASSISTED BICYCLE


A power-assisted bicycle (PAB) looks like a conventional bicycle, but is equipped with an electric motor to assist in pedalling. To help different users share our roads safely, all PABs will need to be registered by **31 Jan 2018**.
 You must be at least **16 years old** to register your PAB.

If your PAB has a seal, you will need to register:




Online at
www.onemotoring.com.sg

or




Physically at any
SingPost outlets

and




Bring along your **NRIC/FIN/ACRA printout**, your **PAB seal number**, and **\$50** for the registration fee

PAB Seal Number




**Register by
30 Nov 2017
to enjoy
FREE
registration**

If your PAB does not have a seal, you will need to:



Seal and register your PAB at selected
Authorised Inspection Centres*


and



Bring along your **NRIC/FIN/ACRA printout**, and **\$50** for the registration fee


***VICOM: Sin Ming, Bukit Batok, Kaki Bukit | STA: Sin Ming, Boon Lay**
Subject to inspection, approval and sealing with payment of relevant fees

Penalties for riding an unregistered PAB



A fine of up to **\$2,000**

or




A jail term of up to **3 months**


or

both, and the PAB may also be seized

**DON'T
FORGET**



After registering your PAB, please affix a number plate within **3 days**



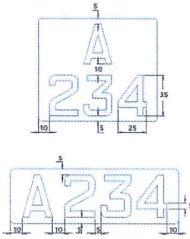
From **1 Feb 2018**, only PABs with orange seals can be registered

Visit www.onemotoring.com.sg for more information about registering your PAB today

Number plate specifications

The number plate must be

- either black characters against a yellow background or white characters against a black background
- permanently affixed at the rear of the PAB, with characters facing the rear



• Not to scale
• All dimensions are in mm

Find out more

Visit www.onemotoring.com.sg for more information on PAB-related requirements

Information accurate as of 31 July 2017

Registration number with Display rules and examples

4 or less figures (e.g. 2345)

Only single row
2345 2345

5 figures (e.g. 23456)

Either single row or 2 rows provided the top row displays first two figures
23456 23456
23 23
456 456

Mixture of letters and figures (e.g. A234)

Single row or 2 rows provided top row displays only letters and lower row displays figures
A234 A234
A 234 A
234

Get a number plate and permanently affix it at the rear of your PAB within 3 calendar days of successful registration

Where PABs are allowed to be used

Cycling/Shared paths



Applies to:

- Gray or coloured paths with signs and logos at the start of paths and intersections
- Park connectors

Roads



Applies to:

- All public roads and any other roads to which the public has access

All PAB cyclists, including pillion passengers, must be at least 16 years old and wear suitable protective bicycle helmets when cycling on the roads for safety reasons



A GUIDE TO OWNING AND USING YOUR POWER-ASSISTED BICYCLE (PAB)

All PABs used on roads or cycling/shared paths must be registered by 31 Jan 2018

Register by 30 Nov 2017 to enjoy **FREE** registration
Only for PABs sealed before 14 Aug 2017

Land Transport Authority

Technical requirements for Power-Assisted Bicycles (PABs)

Type approval from any of the listed Authorised Inspection Centres (AICs) must be obtained for every new PAB model

The AICs will only type-approve and affix an orange seal to those that meet the revised PAB technical requirements



PABs with blue seals

- Motor power of the PAB must cut off when the PAB reaches 25km/h, or sooner, when the cyclist stops pedalling
- Maximum Motor Power Output (MPO) rating of the PAB's motor must not exceed 200W

PABs with orange seals

- Revised requirements from 1 Feb 2016
- Motor power of the PAB must be progressively reduced and finally cut off as the PAB reaches 25km/h, or sooner, if the cyclist stops pedalling
 - The PAB must comply with European Standard EN15194
 - Maximum weight of the PAB must not exceed 20kg
 - Maximum MPO rating of the PAB's motor must not exceed 250W

Penalties for using a non-compliant PAB

A fine of up to \$5,000

OR

A jail term of up to 3 months

Or both, and the PAB may also be seized

The registration process

To help different users share our roads safely, all PABs will need to be registered by 31 Jan 2018
You must be at least 16 years old to register

If your PAB has a seal, you will need to register:

Online at www.onemotoring.com.sg

OR

Physically at any SingPost outlets

and

Bring along your NRIC/FIN/ACRA printout, your PAB seal number, and \$50 for the registration fee

From 1 Feb 2018, only PABs with orange seals can be registered

If your PAB does not have a seal, you will need to:

Seal and register your PAB at selected Authorised Inspection Centres*

and

Bring along your NRIC/FIN/ACRA printout, and \$50 for the registration fee

*VICOM: Sin Ming, Bukit Batok, Kaki Bukit
STA: Sin Ming, Boon Lay

Subject to inspection, approval and sealing with payment of relevant fees

Penalties for riding an unregistered PAB

A fine of up to \$2,000

OR

A jail term of up to 3 months

Or both, and the PAB may also be seized

Be honest when registering your PAB as giving false information can result in the cancellation of registration with no refund of fees paid, and a court charge