

HOUSE BILL 939

R6, R5

9lr1547
CF 9lr2998

By: **Delegate Cassilly**

Introduced and read first time: February 8, 2019

Assigned to: Environment and Transportation

A BILL ENTITLED

1 AN ACT concerning

2 **Vehicle Laws – Electric Bicycles – Equipment and Operation**

3 FOR the purpose of establishing certain classes of electric bicycles; clarifying that electric
4 bicycles are not included in the definition of “off–highway recreational vehicle”;
5 establishing that electric bicycles may be operated in any place where bicycles are
6 allowed to travel, subject to certain restrictions; prohibiting a person under a certain
7 age from operating a certain electric bicycle; authorizing a person under a certain
8 age to ride as a passenger on a certain electric bicycle under certain circumstances;
9 requiring manufacturers and distributors to apply a certain label in a certain
10 manner to electric bicycles beginning on a certain date; prohibiting a person from
11 tampering with or modifying an electric bicycle in a certain manner under certain
12 circumstances; requiring electric bicycles to comply with certain federal regulations
13 governing bicycle equipment and manufacturing; requiring the electric motor of an
14 electric bicycle to disengage or cease to function under certain circumstances;
15 requiring certain electric bicycles to be equipped with a speedometer; altering certain
16 definitions; and generally relating to equipment for and the operation of electric
17 bicycles.

18 BY repealing and reenacting, with amendments,
19 Article – Transportation
20 Section 11–117.1 and 11–140.1(b)
21 Annotated Code of Maryland
22 (2012 Replacement Volume and 2018 Supplement)

23 BY adding to
24 Article – Transportation
25 Section 21–1205.2 and 22–420
26 Annotated Code of Maryland
27 (2012 Replacement Volume and 2018 Supplement)

28 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 That the Laws of Maryland read as follows:

2 **Article – Transportation**

3 11–117.1.

4 (A) “Electric bicycle” means a vehicle that:

5 (1) Is designed to be operated by human power with the assistance of an
6 electric motor;

7 (2) Is equipped with fully operable pedals;

8 (3) Has two or three wheels;

9 (4) Has a motor with a rating of ~~500~~ **750** watts or less; and

10 (5) [Is capable of a maximum speed of 20 miles per hour on a level surface
11 when powered by the motor] **MEETS ONE OF THE REQUIREMENTS OF SUBSECTION (B)**
12 **OF THIS SECTION.**

13 (B) (1) **A CLASS 1 ELECTRIC BICYCLE IS EQUIPPED WITH A MOTOR THAT**
14 **PROVIDES ASSISTANCE ONLY WHEN THE RIDER IS PEDALING AND CEASES TO**
15 **PROVIDE ASSISTANCE WHEN THE BICYCLE REACHES A SPEED OF 20 MILES PER**
16 **HOUR.**

17 (2) **A CLASS 2 ELECTRIC BICYCLE IS EQUIPPED WITH A MOTOR THAT**
18 **PROVIDES ASSISTANCE WHETHER OR NOT THE RIDER IS PEDALING THE BICYCLE**
19 **AND CEASES TO PROVIDE ASSISTANCE WHEN THE BICYCLE REACHES A SPEED OF 20**
20 **MILES PER HOUR.**

21 (3) **A CLASS 3 ELECTRIC BICYCLE IS EQUIPPED WITH A MOTOR THAT**
22 **PROVIDES ASSISTANCE ONLY WHEN THE RIDER IS PEDALING AND CEASES TO**
23 **PROVIDE ASSISTANCE WHEN THE BICYCLE REACHES A SPEED OF 28 MILES PER**
24 **HOUR.**

25 11–140.1.

26 (b) “Off–highway recreational vehicle” does not include:

27 (1) A farm vehicle as defined in § 13–911 of this article when used
28 exclusively on farm property by a farmer; [or]

29 (2) Any vehicle when used on residential property for the purpose of
30 landscaping, gardening, or lawn care; **OR**

1 **(3) AN ELECTRIC BICYCLE.**

2 **21-1205.2.**

3 **(A) (1) SUBJECT TO PARAGRAPH (2) OF THIS SUBSECTION, ELECTRIC**
4 **BICYCLES MAY BE OPERATED WHERE BICYCLES ARE ALLOWED TO TRAVEL,**
5 **INCLUDING BIKE LANES.**

6 **(2) (I) A LOCAL AUTHORITY OR STATE AGENCY THAT HAS**
7 **JURISDICTION OVER A BICYCLE PATH MAY PROHIBIT THE OPERATION OF A CLASS 1**
8 **OR CLASS 2 ELECTRIC BICYCLE ON THE BICYCLE PATH.**

9 **(II) A CLASS 3 ELECTRIC BICYCLE MAY NOT BE OPERATED ON A**
10 **BICYCLE PATH UNLESS:**

11 **1. THE BICYCLE PATH IS WITHIN OR ADJACENT TO A**
12 **HIGHWAY RIGHT-OF-WAY; OR**

13 **2. ALLOWED BY A LOCAL AUTHORITY OR STATE AGENCY**
14 **WITH JURISDICTION OVER THE BICYCLE PATH.**

15 **(III) A LOCAL AUTHORITY OR STATE AGENCY WITH**
16 **JURISDICTION OVER A TRAIL MAY REGULATE THE USE OF ELECTRIC BICYCLES OF**
17 **ANY CLASS ON A TRAIL DESIGNATED AS NONMOTORIZED IF THE TRAIL HAS A**
18 **NATURAL SURFACE TREAD MADE BY CLEARING AND GRADING NATIVE SOIL WITH NO**
19 **ADDED SURFACING MATERIALS.**

20 **(B) (1) A PERSON UNDER THE AGE OF 16 YEARS MAY NOT OPERATE A**
21 **CLASS 3 ELECTRIC BICYCLE.**

22 **(2) A PERSON UNDER THE AGE OF 16 YEARS MAY RIDE AS A**
23 **PASSENGER ON A CLASS 3 ELECTRIC BICYCLE THAT IS DESIGNED TO ACCOMMODATE**
24 **PASSENGERS.**

25 **22-420.**

26 **(A) (1) BEGINNING JANUARY 1, 2020, MANUFACTURERS AND**
27 **DISTRIBUTORS OF ELECTRIC BICYCLES SHALL APPLY IN A PROMINENT LOCATION A**
28 **LABEL THAT IS PERMANENTLY AFFIXED TO EACH ELECTRIC BICYCLE.**

29 **(2) THE LABEL REQUIRED UNDER PARAGRAPH (1) OF THIS**
30 **SUBSECTION SHALL BE PRINTED IN ARIAL FONT IN AT LEAST 9 POINT TYPE AND**

1 CONTAIN FOR THE ELECTRIC BICYCLE:

2 (I) THE CLASSIFICATION;

3 (II) THE TOP ASSISTED SPEED; AND

4 (III) THE MOTOR WATTAGE.

5 (B) A PERSON MAY NOT TAMPER WITH OR MODIFY AN ELECTRIC BICYCLE IN
6 A MANNER THAT CHANGES THE MOTOR-POWERED SPEED CAPABILITY OF THE
7 ELECTRIC BICYCLE UNLESS THE PERSON CORRECTS THE CLASSIFICATION ON THE
8 LABEL REQUIRED UNDER SUBSECTION (A) OF THIS SECTION.

9 (C) AN ELECTRIC BICYCLE SHALL COMPLY WITH THE EQUIPMENT AND
10 MANUFACTURING REQUIREMENTS FOR BICYCLES ADOPTED BY THE FEDERAL
11 CONSUMER PRODUCT SAFETY COMMISSION UNDER 16 C.F.R. § 1512.

12 (D) (1) AN ELECTRIC BICYCLE SHALL OPERATE IN A MANNER SO THAT
13 THE ELECTRIC MOTOR IS DISENGAGED OR CEASES TO FUNCTION WHEN THE BRAKES
14 ARE APPLIED.

15 (2) A CLASS 1 OR CLASS 3 ELECTRIC BICYCLE SHALL OPERATE IN A
16 MANNER SO THAT THE ELECTRIC MOTOR IS DISENGAGED OR CEASES TO FUNCTION
17 WHEN THE OPERATOR STOPS PEDALING.

18 (E) A CLASS 3 ELECTRIC BICYCLE SHALL BE EQUIPPED WITH A
19 SPEEDOMETER THAT DISPLAYS THE SPEED OF THE ELECTRIC BICYCLE IN MILES PER
20 HOUR.

21 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect
22 October 1, 2019.