

## Motorized Bicycle (Moped)

406(a) VC / Class M1 or M2



**Defined:** A moped or motorized bicycle is any 2 or 3 wheeled device having fully operative pedals for propulsion by human power, or having no pedals if powered solely by electrical energy, has an automatic transmission and a motor which produces less than 4 Gross Brake Horsepower (4hp/2.98kw/60cc) and is capable of propelling the device at a max speed of 30mph or less on level ground.

- **License** - Must have **M2 License** Endorsement...**12500(b) CVC**
- **Equipment** - Must comply with Federal Motor Vehicle Safety Standards and be equipped with a headlamp, tail lamp, stop lamp, reflectors and adequate brakes...**24015(a) CVC**.
- **Equipment** - Shall be equipped with a mirror, horn and muffler...**24015(b) CVC**
- **Helmet** - Must be DOT approved...**27803(a) CVC**
- **Registration** - Must be registered...**4000(a)(1) CVC**
- **Sidewalk** - Illegal to ride on sidewalk...**84.04 SDMC**

**Special Note:** May have bicycles pedals. Attempt to confirm engine power/size based off a sticker or stamp on the motor or frame. Confirm your findings with published information from the manufacturer.

## Pocket Bike

Toy / Private Property Only



**Defined:** A two-wheeled motorized device that has a seat or saddle for the use of the rider, and that is not designed or manufactured for highway use. "Pocket bike" does not include an off-highway motorcycle, as defined in Section 436. Not allowed on the highway. Can tow under **21721(a) CVC (48hr hold)** if in violation of **21720 CVC**.

- **Paths** - Illegal to ride on roadway, sidewalk, bike path, trails or public land...**21720 CVC**.

STATE OF CALIFORNIA  
DEPARTMENT OF MOTOR VEHICLES

## VEHICLE INDUSTRY NEWS

VIN 2003-11

**Subject : Off-Highway Motorcycle Conversions**

### Background

The California Air Resources Board (ARB) established emission regulations for on-highway motorcycles beginning with 1978 year models. These regulations require an off-highway motorcycle to have an emission label affixed to the vehicle indicating certification by the manufacturer for on-highway use when converting to on-highway or dual registration. ARB, DMV, and the California State Parks' Off-Highway Motor Vehicle Recreation Division mutually agreed to begin implementation of these regulations January 1, 2004.

### New Information

- Effective January 1, 2004, new verification procedures will be required for off-highway motorcycles being converted to on-highway (street) or dual registration. (See table on reverse.)

**EXCEPTION:** Off-highway motorcycles purchased before January 1, 2004, may continue to be converted to on-highway or dual registration without the new verification requirement until January 31, 2004. Applications must be received by DMV on or before January 31, 2004. All applications for conversion received on or after February 1, 2004, will be processed under the new verification requirements.

- All off-highway motorcycles previously converted to on-highway or dual registration will not be subject to verification.
- Off-highway motorcycles year model 2003 and newer with a "3" or "C" in the 8<sup>th</sup> position of the Vehicle Identification Number (red sticker OHVs) will not be allowed to convert.

### HOW TO DETERMINE THE POWER OF AN UNCONVENTIONAL MOTOR

1 Horsepower (HP) = 15 Cubic Centimeters (CC)

1000 Watts(W) = 1 Kilowatt Hour (KWH)

1 Kilowatt Hour(KWH) = 1.34 Horsepower

Example basic math equation:

An Electric Motorcycle has a 6 KWH electric motor. To determine its horsepower multiple 6(KWH) x 1.32(HP) = 7.92 HP. 7.92(HP)x15(CC) = 118.2 CC's



## SAN DIEGO POLICE DEPARTMENT

### e-Bike & Unconventional Vehicle Quick Reference Guide



Quick Reference Guide by SDPD Traffic Officers  
J. Dryer #7839 & N. Tamagni #6946  
Last Updated 9/17/2024