

MVD 5

STATE OF WISCONSIN)
DEPARTMENT OF TRANSPORTATION) SS

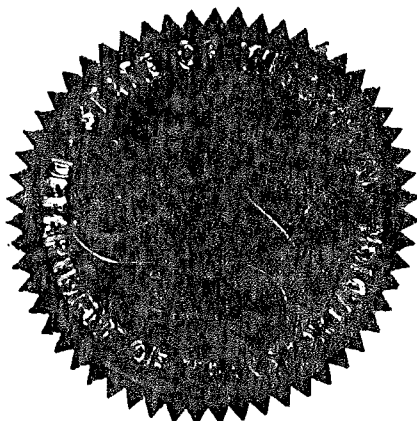
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TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Dale Cattnach, Secretary of the Wisconsin Department of Transportation, and legal custodian of the official records of said Department, do hereby certify that the annexed, attached revisions to Chapter MVD 5 of the published Wisconsin Administrative Code, entitled "Standards for Motor Vehicle Equipment" marked "Exhibit A", has been duly approved and adopted by me as Secretary of said Department this 20th day of June, 1978.

I further certify that these newly-adopted rules attached to my Order as "Exhibit A", which are being filed with the offices of the Revisor of Statutes and Secretary of State, respectively, have been compared by me with the original on file in this Department, and that each respective copy, including "Exhibit A" is a true and correct copy of the original on file with this Department.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the Department of Transportation at the Hill Farms State Office Building in the City of Madison, Wisconsin, this 20th day of June, 1978.



Dale Cattnach
Secretary
Wisconsin Department of Transportation

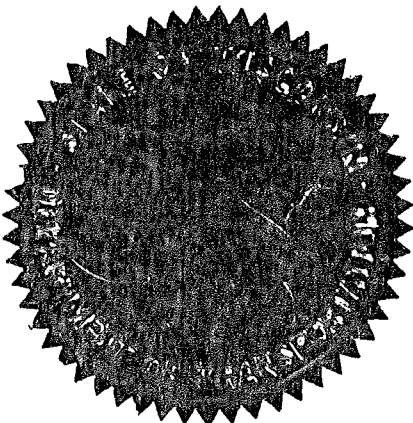
BEFORE THE DEPARTMENT OF TRANSPORTATION
STATE OF WISCONSIN
DIVISION OF MOTOR VEHICLES


IN THE MATTER OF AMENDING, CREATING, :
REPEALING AND RECREATING CERTAIN : ORDER
PORTIONS OF CHAPTER MVD 5 OF THE : ADOPTING RULES
WISCONSIN ADMINISTRATIVE CODE, RE- :
LATING TO MOTOR VEHICLE INSPECTION :

Pursuant to authority vested in the Secretary of the Wisconsin Department of Transportation under Section 110.06, Wis. Stats.; and more specifically as made and provided in 110.075, Wis. Stats.; and in accordance with Chapter 227 of the Wisconsin Statutes; and after due notice and public hearing held the 15th day of July, 1977, at 10:00 A.M., at the Hill Farms State Office Building, 4802 Sheboygan Avenue, Madison, Wisconsin, and, after giving due consideration to the objections and suggestions of those persons attending such public hearing relative to various portions of the rule;

IT IS HEREBY ORDERED, That Chapter MVD 5 of the Wisconsin Administrative Code, entitled "Standards for Motor Vehicle Equipment" is hereby amended, and repealed and recreated as made and provided in "Exhibit A" attached hereto, and hereby adopted and made a part of this order.

Dated at Madison, Wisconsin, this 20th day of June, 1978.





Secretary
Wisconsin Department of Transportation

"EXHIBIT A"

The following portions of MVD-5 are amended:

- MVD 5.05 - Applicability of Chapter
- 5.08(12) - Definition of Homemade Vehicle
- 5.12 - Steering and Suspension
- 5.14 - Tires, Wheels and Rims
- 5.22 - Brakes
- 5.24 - Exhaust and Fuel Systems
- 5.26 - Headlamps
- 5.28 - Parking Lamps
- 5.29 - Front Direction Signals
- 5.30 - Tail Lamps
- 5.32 - Rear Direction Signal Lamps
- 5.34 - Back-up Lamps
- 5.36 - Auxiliary Lamps
- 5.37 - Sidemarker Lamps and Reflectors
- 5.38 - Hazard Warning Lamps
- 5.54 - Windshield Wipers
- 5.56 - Mirrors
- 5.61 - Restraining Devices and Seats
- 5.63 - Bumper, Fender and Projecting Parts

The following portions of MVD-5 are repealed and recreated:

- MVD 5.08(18) - Definition of Reconstructed Vehicle
- 5.66 - Homemade and Reconstructed Vehicle

Amend MVD 5.05 to read:

MVD 5.05 Applicability of chapter. This chapter shall apply to all vehicles operated upon Wisconsin highways except implements of husbandry, bicycles and homemade and reconstructed vehicles registered in Wisconsin as homemade or reconstructed vehicles prior to January 1, 1975 or homemade and reconstructed vehicles registered and domiciled in another state or province. All required equipment shall be maintained in proper working condition and in conformity with this chapter and chapter 347 Wis. Stats. Vehicles originally equipped to meet statutory requirements at the time of manufacture shall not be required to update such equipment to meet increased requirements. ~~Any additional-safety-related-equipment-if-installed-on-a-vehicle shall-be-operational.~~

Amend MVD 5.08(12) to read:

(12) "HOMEMADE VEHICLE" means a motor vehicle which has been constructed or assembled from new or used parts or both using a body and frame not originating from any previously manufactured motor vehicle. A hand built vehicle will be referred to as a homemade vehicle. Reconstructed vehicles are not homemade vehicles.

Repeal and Recreate MVD 5.08(18) to read:

(18) "RECONSTRUCTED VEHICLE" means a motor vehicle of any age which has been substantially altered or modified from original manufacturers specifications. A vehicle will be judged to be "substantially altered or modified" if it has undergone a major manufacturing alteration which has changed the original configuration, structure or specifications of basic components of a previously assembled or manufactured complete motor vehicle. Alterations involving only: 1. the addition, substitution, or removal of readily attachable components such as mirrors, seats or tire and rim assemblies; 2. minor finishing operations such as painting, carpeting, or other decorative trimming; 3. installation of windows or skylights; and 4. installation of bed frames, cabinets, television, sound reproduction system or other interior appliances designed for accommodating passengers, shall not constitute a major manufacturing alteration and shall not render the vehicle a RECONSTRUCTED VEHICLE.

Amend MVD 5.12 to read:

MVD 5.12 Steering and suspension. (1) The steering and suspension of every motor vehicle shall be maintained in proper working condition and in conformity with this section. The steering linkage shall not be worn or jammed nor shall the steering system have excessive lash. The belts assisting the power steering unit shall be in proper working condition. Every motor vehicle

originally equipped with a steering wheel including all homemade vehicles shall have a steering wheel of the same size or one of not less than 13 inches diameter in proper working condition.

The steering wheel shall be secured to the steering shaft by a locking device in the same manner as originally installed.

Every motor driven cycle shall be equipped with handlebars meeting the requirements of section 347.486 of the Wis. Stats.

Any motor driven cycle with a modified front suspension system so modified before January 1, 1976 shall not be modified in

any way to cause the front suspension system to have a rake of more than 55° nor a trail of less than 2 inches. Any motor

driven cycle commencing with the 1976 models shall not be modified in any way to cause the front suspension system to

have a rake of more than 50° nor a trail of less than 2 inches.

The springs, shackles, and cross stabilization linkage including torsion bars shall be in proper adjustment and not be loose,

disconnected or broken. No alterations or modifications may be made to the suspension system, axles or chassis that would cause

any portion of the vehicle except motor driven cycles to ride higher or lower by more than 2 inches from that specified by

the manufacturer when measured from the level surface upon which the vehicle stands. Such alterations purpose shall be to

strengthen the suspension system. Use of extended shackles shall be an unsafe modification. Every vehicle except motor

driven cycles originally equipped with shock absorbers shall have shock absorbers in all places as originally equipped.

A motor driven cycle shall be equipped with a shock absorbing front suspension system. The main tubes or sliding tubes on a

telescoping front suspension system shall be of one piece construction. Screw on extensions (slugs) shall not be used. All shock absorbers shall be in proper working order and free of leaks. It shall be unlawful for any vehicle to be operated on a highway if:

(a) The steering is loose or is binding at any point of the turning cycle. The lash is in excess of 1/8 of one complete turn of the steering wheel. The steering linkage has broken, disconnected, or noticeably loose parts.

(b) The shock absorbing units are ineffective, leaking, or improperly modified.

(c) The vehicle is noticeably out of alignment.

(d) The springs or shackles are broken or extended shackles are used.

(e) Any modification has been made to any part of the suspension system, axle, or chassis except on motor driven cycles which would cause any portion of the vehicle to ride higher or lower by more than 2 inches from that specified by the manufacturer when measured from the level surface upon which the vehicle stands.

(f) The belts assisting the power steering unit are loose, frayed or cracked or any portion of the power steering mechanism is disconnected.

(g) The vehicle does not have a proper steering wheel or the steering wheel is not securely fastened as required by this subchapter.

(h) The vehicle is a motor driven cycle and does not have proper handlebars.

(i) The vehicle is a motor driven cycle and the front suspension system has been modified with an illegal rake or trail.

Amend MVD 5.14 to read:

MVD 5.14 Tire, wheel and rim. (1) The tires, wheels and rims on every motor vehicle, trailer, semi-trailer, and mobile home shall be maintained in proper condition and in conformity with this section. Every tire shall have no less than 2/32 inch tread depth. The depth shall be measured at 2 points no less than 15 inches apart in any major tread groove at or near the center of the tire. All tires on vehicles with an empty weight of less than 6000 pounds shall be of such size so as not to protrude, by more than 2 inches, beyond the manufacturer's original body or fender line at the highest point of the tire. This will permit the fenders to be extended two inches to cover the tire tread. All tires shall be adequately covered to comply with section 5.63, ~~Wisconsin-Administrative-Code~~ of this code. Any combination of suspension change or tire or wheel size change shall raise or lower the vehicle except motor driven cycles no more than 2 inches from that specified by the manufacturer when measured from the level surface upon which the vehicle stands. It shall be unlawful for any vehicle to be operated on a highway if:

(a) The tire has been repaired by use of a blow-out patch or boot.

(b) There are tread cuts or snags in excess of one inch in any direction as measured on the tire which are deep enough to expose or damage the body cords or there is a bump, bulge, knot, sidewall separation or failure or partial failure of the tire structure.

(c) The tire has been stamped or marked "For off highway use," "For farm use only," "Not for street use," "For racing only," or which is stamped or marked in any other manner so as to indicate that such tire is not to be operated on a highway.

(d) The tire is worn to the point where part of the ply or cord construction is exposed or there is less than 2/32 inch tread depth measured at 2 points no less than 15 inches apart in any major tread groove at or near the center of the tire.

(e) The tire has been regrooved or recut and is being used on a passenger car or motor driven cycle, except tires that are specifically designed for commercial vehicles and manufactured in such a manner that regrooving or recutting is an acceptable and safe practice. See section 347.45(4) Wis. Stats. regarding tire equipment.

(f) The studded tires are on the vehicle during the period when use is prohibited.

(g) The wheels or rims are damaged so that continued use may be hazardous.

(h) The vehicle has loose or missing wheel nuts, lugs or bolts.

(i) The vehicles empty weight is less than 6000 pounds and is equipped with tire(s) of such size that it protrudes by more than 2 inches beyond the manufacturer's original body or fender line

at the highest point of the tire or any combination of suspension change or tire or wheel size change that shall raise or lower the vehicle except motor driven vehicles more than 2 inches from that specified by the manufacturer when measured from the level surface upon which the vehicle stands.

Amend MVD 5.22 to read:

MVD 5.22 Brakes. (1) The brake system on every motor vehicle shall be maintained in proper working condition and in conformity with this section except that a motor driven cycle need only have one brake meeting the requirement of section 347.35(2), Wis. Stats. A homemade vehicle shall have braking ability on every wheel. The vehicle shall have no noticeable side pull when the brakes are applied. Brake pedals shall have no less than 20% of total pedal travel left when fully depressed. The brake systems shall be connected and free of leaks. It shall be unlawful to operate any vehicle upon a highway if:

(a) The vehicle stops with obvious side pull.

(b) There is insufficient pedal reserve or the pedal fades under pressure.

(c) The cables are frayed or hoses are abraded.

(d) There is excessive grease, oil, or fluid on the wheel that may have contaminated the braking surface.

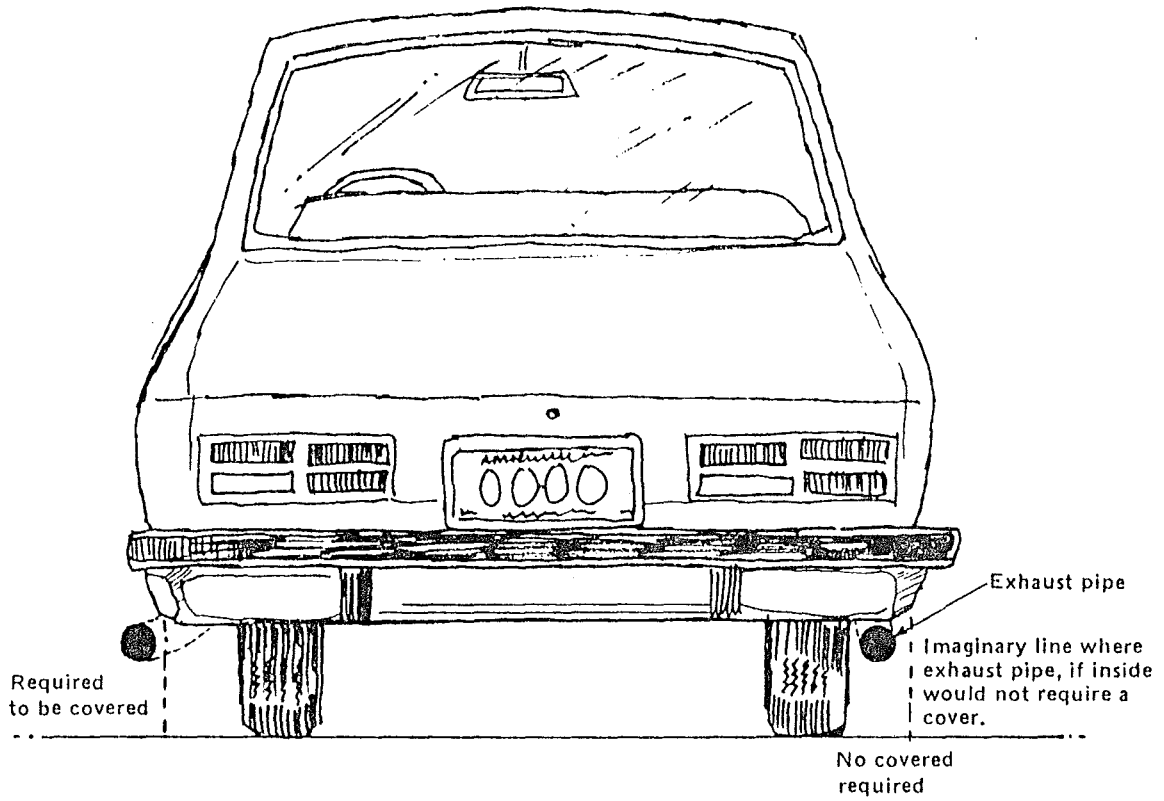
(e) Any portion of the total braking mechanism is disconnected or any portion of the system leaks except that a motor driven cycle need only comply with the requirements of section 347.35(2), Wis. Stats.

(f) The parking brake mechanism has no reserve, or fails to hold vehicle under load test, or the mechanism does not release under normal conditions.

Amend MVD 5.24 to read:

MVD 5.24 Exhaust and fuel systems. (1) The exhaust and fuel systems on every motor vehicle shall be maintained in proper working order and in conformity with this section. All vehicle emission control devices originally installed by the manufacturer or comparable tested replacement devices shall remain installed and in proper working order. Piping used in exhaust systems shall be of the rigid type. Convolutd pipe meets this requirement. Flexible tubing shall not be acceptable for use in the exhaust system except in its use in motor driven cycles, road tractors, truck tractors, or trucks over 10,000 pounds G.V.W., where the connection is outside the cab line. Every exhaust system, so located as to be hazardous to a person outside the vehicle or to a person entering or leaving a vehicle shall have a protective shield to prevent such person from being burned or injured. The exhaust system location will be considered hazardous if it extends beyond the body line measured at the door sill or rocker panel for those systems where the exhaust pipes are on the side of the vehicle. A system where the exhaust pipes extend upward along the side or rear of the body shall have a protection shield. (See Figure 2a). Every motor driven cycle must have a protective shield only if the exhaust system is above and to the rear of the foot pegs and if such vehicle was originally equipped with a protective shield over the

Figure 2a



exhaust system or parts thereof. It shall be unlawful for any vehicle to be operated on the highway if:

(a) The muffler or any part of the exhaust system has been repaired by an inadequate patch, is not adequate for discharging fumes, or non-rigid type tubing is used except in the case of motor driven cycles, road tractors, truck tractors or trucks over 10,000 pounds GVW where the connection is outside the cab line.

(b) The tail pipe does not extend to the outside body line of the vehicle or manufacturers standard except that motor trucks or road tractors or truck tractors shall have the exhaust outlet extend to the rear of the vehicle cab.

(c) There is excessive noise, indicating an illegal, worn out, or modified muffler.

(d) The exhaust system is modified to pass through the passenger compartment.

(e) The fuel system inspection discloses leakage.

(f) The fuel cap is missing or the fuel tank is not rigidly attached to the vehicle or there is any fuel tank in the passenger compartment other than that installed by the manufacturer or there is a homemade fuel tank in the engine compartment or trunk of the vehicle.

(g) The vehicle emission control system or any part thereof when installed as original equipment or comparable tested replacement devices has been removed or disconnected.

(h) Any part of the exhaust system is exposed where it is hazardous to a person outside the vehicle and does not have a

protective shield or if a motor driven cycle and the exhaust system has no protective shield on that portion of the system above and to the rear of the foot pegs and the motor driven cycle was originally equipped with a protective shield over the exhaust system or parts thereof.

Amend MVD 5.26 to read:

MVD 5.26 Headlamps. (1) The headlamp system on every motor vehicle shall be maintained in proper working order and in conformity with this section. Every motor vehicle manufactured commencing with the 1950 models, except motor driven cycles, shall be equipped with either a single headlamp system using two 7 inch (178mm) sealed beam units or a dual headlamp system using two 5-3/4 inch (146mm) Type I and two 5-3/4 inch (146mm) Type II sealed beam units or a system using two 4 x 6-1/2 inch (100 x 165mm) Type IA and two 4 x 6-1/2 inch (100 x 165mm) Type IIA or a single headlight system using two 142 x 200mm sealed beam units. The sealed beam units must meet requirements for Sealed Beam Headlamp Units for Motor Vehicles -- SAE ~~J579~~ J571d or SAE J1132 (published in the ~~1972~~ 1977 SAE Handbook). This standard is obtainable from the Society of Automotive Engineers, 485 Lexington Avenue, New York, N.Y. 10017. This reference is also available in the office of the division of motor vehicles, the revisor of statutes, and the secretary of state. Every other motor vehicle equipped with headlamps shall have the same number, type and size of headlamps as originally manufactured or may be equipped as set forth above. Every motor vehicle except motor driven cycles, shall have an equal number of headlamps on each side of the vehicle installed at least 12 inches from the center of the

vehicle. Every headlamp shall be properly installed and securely fastened. The headlamp mounting shall be in good condition. No headlamp shall have any type of cover that in any way restricts the amount of light emitted. The headlamp switch, dimmer switch and beam indicator shall be in proper working condition. All wiring and connections shall be in good condition. Every headlamp shall be properly aimed in accordance with section MVD 5.27 Wis. Adm. Code. It shall be unlawful for any vehicle to be operated on a highway if:

- (a) Any headlamp does not function.
- (b) The headlamp switch does not function properly.
- (c) Any headlamp is broken or missing.
- (d) Any headlamp is mounted improperly or the headlamp mounting is loose.
- (e) There are inadequate or illegal headlamps.
- (f) The headlamp beam indicator does not function properly.
- (g) The dimmer switch does not function properly.
- (h) The connections or wiring are in poor condition.
- (i) The headlamp aim is improper.

Amend MVD 5.28 to read:

MVD 5.28 Parking lamps. (1) The parking lamps and lens of every motor vehicle shall be maintained in proper working condition and in conformity with this section. Every motor vehicle originally manufactured commencing with the 1950 models and every homemade vehicle assembled after January 1, 1975,

except motor driven cycles, shall be equipped with two lamps visible from the front and meeting the visibility requirements as set forth in sections 347.27(1)(b) 1 and 2 Wis. Stats. Tail lamps shall be so wired as to be lighted whenever the parking lamps are lighted. All wiring and connections shall be maintained in good condition. It shall be unlawful for any vehicle to be operated if:

- (a) Any parking lamp does not function.
- (b) The parking lamp switch does not function properly.
- (c) Any parking lamp is missing or if there is a broken or cracked lens or reflector.
- (d) The parking lamp wiring or connections are in poor condition.

Amend MVD 5.29 to read:

MVD 5.29 Front direction signal lamps. (1) The front direction signal lamp system of every motor vehicle so originally equipped shall be maintained in proper working condition and in conformity with this section. Every motor vehicle originally manufactured commencing with the 1955 models and every homemade vehicle assembled after January 1, 1975, shall be equipped with front direction signal lamps. All self-cancelling direction signal switches shall be in proper working order. The direction signal indicator lamps shall be in proper working order. All wiring and connections shall be maintained in good condition. It shall be unlawful for any vehicle to be operated on a highway if:

- (a) Any front direction signal lamp does not function.

- (b) The direction signal switch does not function properly.
- (c) The signal indicator lamp fails to function.
- (d) There is a cracked, broken or missing lens or reflector.
- (e) The vehicle is not equipped as required by law.
- (f) The front direction signal lamp wiring or connections are in poor condition.

Amend MVD 5.30 to read:

MVD 5.30 Tail lamps. (1) The tail lamps of every vehicle shall be maintained in proper working condition and in conformity with this section. Every motor vehicle originally manufactured commencing with the 1950 models and every homemade vehicle assembled after January 1, 1975, except motor driven cycles, shall be equipped with 2 tail lamps. The tail lamps shall be so wired as to be lighted whenever the parking lamp or headlamps are lighted. All wiring and connections shall be maintained in good condition. The tail lamp lens and reflector shall be installed and maintained in proper working condition. It shall be unlawful for any vehicle to be operated on a highway if:

- (a) Any tail lamp does not function properly.
- (b) The tail lamp switch does not function properly.
- (c) Any tail lamp or lens is broken or missing or the lens is not of the reflective type.
- (d) The reflector is missing or improperly mounted.
- (e) There are inadequate or illegal tail lamps or reflectors.
- (f) The tail lamp wiring or connections are in poor condition.

Amend MVD 5.31 to read:

MVD 5.31 Stop lamps. (1) The stop lamps of every vehicle shall be maintained in proper working condition and in conformity with this section. Every motor vehicle originally manufactured commencing with the 1950 models and every homemade vehicle assembled after January 1, 1975, except motor driven cycles, shall be equipped with at least 2 stop lamps. All wiring and connections shall be maintained in good condition. The stop lamp lens shall be installed and maintained in proper condition. It shall be unlawful for any vehicle to be operated on a highway if:

- (a) Any stop lamp does not function properly.
- (b) Any stop lamp or lens is broken or missing.
- (c) There are inadequate or illegal stop lamps.
- (d) The stop lamp wiring or connections are in poor condition.

Amend MVD 5.32 to read:

MVD 5.32 Rear direction signal lamps. (1) The rear direction signal lamp system of every vehicle so originally equipped shall be maintained in proper working condition and in conformity with this section. Every motor vehicle originally manufactured commencing with the 1955 models and every homemade vehicle assembled after January 1, 1975, except motor driven cycles, shall be equipped with rear direction signal lamps. All self-cencelling direction signal switches shall be in proper working order. All wiring and connections shall be maintained in good

condition. It shall be unlawful for any vehicle to be operated on a highway if:

- (a) Any rear direction signal lamp does not function.
- (b) The direction signal switch does not function properly.
- (c) The signal indicator lamp fails to function.
- (d) Any rear direction lamp lens or reflector is broken or missing.
- (e) The vehicle is not equipped as required by law.
- (f) The rear direction signal lamp wiring connections are in poor condition.

Amend MVD 5.34 to read:

MVD 5.34 Back up lamp. (1) The back up lamps on ~~those-vehicles originally-equipped-with-back-up-lamps~~ vehicles originally manufactured after January 1, 1969, shall be maintained in proper working condition and in conformity with this section and section 347.26(4) of the Wis. Stats. The back up lamp wiring and connections shall be maintained in good condition. Back up lamps shall be incorporated with a switch on the transmission system so the lamps are lighted only when the transmission is in reverse gear, or may be manually turned on by a switch in the driver's compartment providing there is also an indicator light plainly visible to the vehicle driver indicating when the back up lamps are on. It shall be unlawful for any motor vehicle to be operated on a highway if:

- (a) The back up lamps fail to function.

(b) The back up lamps remain lighted when the vehicle is not in reverse gear.

(c) The back up lamp wiring or connections are in poor condition.

(d) The motor vehicle is equipped with a manual back up lamp switch and does not have an indicator light in operating condition.

Amend MVD 5.36 to read:

MVD 5.36 Auxiliary lamps. (1) In this section auxiliary lamp shall include auxiliary driving lamps, adverse weather lamps and spot lamps. ~~Any vehicle equipped with auxiliary lamps shall have such lamps maintained in proper working condition.~~ No vehicle shall be equipped with an auxiliary lamp having a candle power intensity of more than 75,000 candle power when measured at the lens. Auxiliary driving lamps and adverse weather lamps shall be mounted below the level of the center of the headlamps but no lower than ± 5 12 inches above the ground on which the vehicle stands. Adverse weather lamps used in lieu of headlamps shall be mounted at least 12 inches from the center of the vehicle and at the same plane. ~~The adverse weather lamp and auxiliary driving lamp wiring and connections shall be in good condition.~~ ~~Auxiliary driving lamps and adverse weather lamps shall be aimed in accordance with MVD-5-27(3)(b)-Wis.-Adm.-Code.~~

It shall be unlawful for a vehicle to be operated on a highway if:

- ~~(a) Any auxiliary lamp fails to function.~~
- (a) ~~(b)~~ Any auxiliary lamp is improperly mounted.
- (b) ~~(c)~~ There are any illegal auxiliary lamps.
- ~~(d) The auxiliary lamp wiring or connections are in poor condition.~~
- ~~(e) Any auxiliary lamp is improperly aimed.~~

Amend MVD 5.37 to read:

MVD 5.37 Sidemarker lamps and reflectors. (1) Any vehicle originally equipped with sidemarker lamps or reflectors shall have such lamps or reflectors maintained in proper working condition and in conformity with this section. The sidemarker lamp wiring and connections shall be maintained in good condition. Every passenger vehicle originally manufactured after January 1, 1969 ~~or~~ and every homemade vehicle assembled after January 1, 1975 shall be equipped with sidemarker lamps or reflectors. Every vehicle having a width at any part in excess of 80 inches shall comply with those provisions provided in section 347.16 of the Wis. Stats. It shall be unlawful for any vehicle to be operated on a highway if:

- (a) The vehicle is not equipped with required sidemarker lamps and reflectors.
- (b) Any sidemarker lamp or reflector is not securely mounted or is inadequate.
- (c) Any sidemarker lamp wiring or connections are in poor condition.

Amend MVD 5.38 to read:

MVD 5.38 ~~Flashing~~ Hazard warning lamps. (1) Any vehicle originally equipped with ~~flashing~~ hazard warning lamps shall maintain such lamps in proper working condition and in conformity with this section. The ~~flashing~~ hazard warning lamp wiring and connections shall be maintained in good condition. Every vehicle except motor driven cycles, originally manufactured after January 1, 1969, ~~or~~ and every homemade vehicle assembled after January 1, 1975, shall be equipped with ~~flashing~~ hazard warning lamps. It shall be unlawful for any vehicle to be operated on a highway if:

(a) The vehicle is not equipped with required ~~flashing~~ hazard warning lamps or the lamps fail to function.

(b) The ~~flashing~~ hazard warning lamp is not securely mounted or is inadequate.

(c) Any ~~flashing~~ hazard warning lamp wiring or connections are in poor condition.

Amend MVD 5.54 to read:

MVD 5.54 Windshield wipers. (1) The windshield wiper system of every motor vehicle shall be maintained in good working condition and in conformity with this section. All vehicles originally equipped with 2 wiper arms and 2 wiper blades (one set on the driver's side and one set on the passenger side) must have both in place. Every automobile manufactured after January 1,

1950 ~~or~~ and every homemade vehicle assembled after January 1, 1975 shall have at least 2 windshield wipers--or a windshield wiper that meets the wiping requirements of FMVSS 104. This standard is obtainable from the National Highway Traffic Safety Administration, Nassif Bldg., 400 -- 7th St., S.W., Washington, D.C. 20590. This reference is also available in the office of the division of motor vehicles, the revisor of statutes, and the secretary of state. Every windshield wiper shall be as large as practicable to adequately clear the windshield. The windshield wiper switch, wiring or connections shall be in proper working condition. Every vehicle originally manufactured after January 1, 1968 shall be equipped with a windshield washer system ~~shall have it installed~~ and maintained in operating condition with adequate fluid available when the mechanism is activated. It shall be unlawful for any vehicle to be operated on a highway if:

- (a) Any windshield wiper arm or blade is missing or fails to function by the use of either an electric motor, or hydraulic or vacuum device.
- (b) Any windshield wiper blade is not in good condition.
- (c) Any windshield wiper does not adequately clear the windshield.
- (d) Any windshield wiper switch, wiring or connections are in poor condition.
- (e) The windshield washer system is removed or is not in functioning condition.

Amend MVD 5.56 to read:

MVD 5.56 Mirrors. (1) The mirrors of every motor vehicle shall be maintained in proper working condition and in conformity with this section. Every motor vehicle shall be equipped with at least one mirror providing a clear view of the highway for a distance of 200 feet to the rear of the vehicle. No mirrors shall be cracked or discolored. All motor vehicles originally manufactured or homemade vehicles assembled after January 1, 1975 shall be equipped with an outside left hand rear view mirror. If the vehicle is so constructed or loaded, or towing another vehicle so as to prevent the operator's clear view to the rear, adequate outside mirrors shall be installed. All mirrors shall be securely mounted on the vehicle. It shall be unlawful for any vehicle to be operated on a highway if:

(a) Any mirror is missing, loosely mounted or offers unsafe interference with the driver's view.

(b) The mirror is broken, cracked or discolored.

(c) The mirror does not provide a clear view of 200 feet to the rear of the vehicle.

Amend MVD 5.61 to read:

MVD 5.61 Restraining devices and seats. (1) The restraining devices and seats of every motor vehicle shall be maintained in proper working condition and in conformity with this section. All safety belts shall be of the approved type in accordance with the Society of Automotive Engineers Standards for Motor Vehicle Seat Belt Assemblies (SAE-J4c). Every passenger car originally manufactured after January 1, 1969 ~~or assembled after January 1, 1975~~ shall be equipped with head restraints. This standard is obtainable from the Society of Automotive Engineers, 485 Lexington Avenue, New York, N.Y. 10017. This reference is also available in the office of the division of motor vehicles, the revisor of statutes, and the secretary of state.

(2) The seat and seat mechanisms of every motor vehicle shall be in proper working condition. All restraining devices originally installed on a vehicle shall remain installed or may be replaced with similar type devices which meet the SAE specification (SAE-J4c). It shall be unlawful for any vehicle to be operated on a highway if:

- (a) The vehicle is not equipped with required restraining devices.
- (b) The restraining devices or installation is non-standard or does not meet the SAE specification, SAE-J4c.
- (c) The restraining device material is frayed, split, torn, or brittle.
- (d) The anchors for any restraining devices are loose.
- (e) The restraining device latch mechanism is loose or inoperative.
- (f) The seat is loose or the seat mechanism does not function properly.

Amend MVD 5.63 to read:

MVD 5.63 Bumper, fender and projecting parts. (1) The bumpers and fenders on every motor vehicle required to have bumpers and fenders shall be maintained in good condition and in conformity with this section. Every passenger vehicle originally manufactured after January 1, 1950 and every homemade vehicle assembled after January 1, 1975, shall be equipped with adequate fenders covering the front and rear tires to prevent splashing of water and throwing gravel, stones or other objects. Every motor driven cycle shall have adequate fender covering the rear wheel(s). All fenders shall be free of severely rusted or damaged material which may cause injury or cause the fenders to be ineffective. ~~All fenders shall be of sufficient width to completely cover the tire at its highest point.~~ All required fenders on passenger vehicles shall be of sufficient width and length to cover the tire tread from 15° to the front to 60° to the rear when measured at the center of the axle from a vertical plane. Every motor driven cycle shall have adequate fenders as provided by the manufacturer or in the absence of original equipment, a fender of a size not less than that provided by the manufacturer covering primarily the same area of the tire surface except that no fender is required to cover the front wheel. Every passenger vehicle except motor driven cycles, shall be equipped with an adequate bumper on the front and rear of the vehicle. Every passenger vehicle originally manufactured after January 1, 1950 shall be equipped with the same type of

bumper as originally equipped or a bumper equivalent in size, strength, and surface area; or with a bumper meeting the requirements for a homemade vehicle. The bumper of a homemade vehicle assembled after January 1, 1975 shall extend to a width of no less than 36 inches and the face of the bumper shall be at least 4 inches in height. It shall be made of metal no less than 1/8 inch in thickness. The bumper shall be at a height no higher or lower than 2 inches from that specified by the manufacturer. Bumpers on homemade vehicles shall provide a point of contact between 14 and 22 inches measured from the level surface upon which the vehicle is standing. Bumpers shall be of sufficient strength to permit the fully loaded vehicle to be pushed without damage or distortion to the bumper. All bumpers shall be securely mounted to the vehicle. No bumper or fender shall be in such condition that may be hazardous to pedestrians or cyclists. No part of the vehicle or any vehicle accessory shall project away from the vehicle in a hazardous manner. It shall be unlawful for a vehicle to be operated if:

(a) Any required bumper or fender has been removed or the vehicle is not equipped with required bumpers or fenders.

(b) Any bumper or fender is not securely mounted. ~~or-is-not adequate.~~

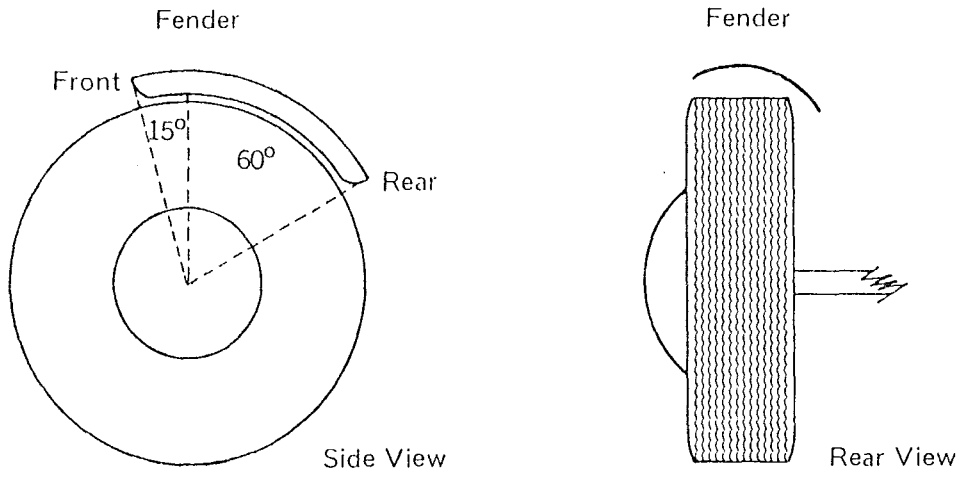
(c) Any bumper, fender or other part of the vehicle is damaged or distorted so that it projects away from the vehicle creating a hazard.

(d) Any fender on a passenger vehicle does not cover the tire tread lengthwise from 15 degrees to the front and 60 degrees to

the rear when measured on a vertical plane at the center of the axle or ~~if it does not completely cover the tire at the highest point of the tire to reasonably restrict objects or matter from being thrown about~~ or if a motor driven cycle does not have a rear fender as provided by the manufacturer or a similar fender covering primarily the same area as that covered by the original equipment.

(e) The bumper ~~is of a smaller size than originally equipped~~ does not meet the standard as to size or height above the level surface upon which the vehicle stands.

Figure 3



Repeal and recreate MVD 5.66 to read:

MVD 5.66 (1) Any homemade or reconstructed vehicle registered as a homemade or reconstructed vehicle before January 1, 1975 or registered and domiciled in another state or province shall be exempt from the provisions of this chapter. To be exempt, the vehicle must in fact be a homemade or reconstructed vehicle and be currently titled and registered for highway operation.

Vehicles reconstructed or homemade vehicles assembled after January 1, 1975 and titled and registered in Wisconsin shall comply with the standards set forth in this section and all other applicable vehicle equipment standards specified in this administrative rule and chapter 347 of the Wis. Stats. Vehicles reconstructed after January 1, 1975 from previously manufactured vehicles whose original manufacture was not required to include items of equipment covered in this administrative rule or in Wis. Stats. shall not be required to update the vehicle to include current equipment.

(2) Every homemade or reconstructed vehicle using a 1968 model year engine or later will be required to maintain all such emission control devices that were originally a part of the engine or be replaced by equipment providing equivalent emission control.

(3) Every homemade or reconstructed vehicle, upon completion of its assembly or reconstruction, shall be inspected, prior to being registered, for compliance with this administrative rule and chapter 347 of the Wis. Stats. by an agent of either the division of motor vehicles or the division of enforcement and

inspection. Registration shall indicate the current calendar year as the date of the assembly or reconstruction.

(4) Every homemade or reconstructed vehicle except motor driven cycles shall have braking ability on every wheel.

(5) Vehicles originally manufactured as a recreational vehicle for off highway operation will not be eligible for registration. The burden of proof shall be on the manufacturer to prove that the vehicle under consideration does meet the federal requirements for highway operation in cases where such use is questionable. Such vehicles include, but are not limited to, snowmobiles, mini-bikes, go-carts and allterrain vehicles.

(6) It shall be unlawful for any vehicle covered under this section to be operated on a highway if:

- (a) It is not equipped as required.
- (b) It does not have proper emission control devices.
- (c) It has not been properly inspected.

