

OFFICIAL MOTOR VEHICLE INSPECTION REQUIREMENTS

<u>PART Saf-C 3202</u>	General Inspection Information
<u>PART Saf-C 3211</u>	Rejection of Vehicles
<u>PART Saf-C 3212</u>	Inspection of Vehicle Registration
<u>PART Saf-C 3213</u>	Motor Vehicle Wheels & Tires
<u>PART Saf-C 3214</u>	Motor Vehicle Brakes
<u>PART Saf-C 3215</u>	Motor Vehicle Instrumentation
<u>PART Saf-C 3216</u>	Motor Vehicle Electrical System
<u>PART Saf-C 3217</u>	Motor Vehicle Lights & Lighting
<u>PART Saf-C 3218</u>	Motor Vehicle Headlamp Aim
<u>PART Saf-C 3219</u>	Motor Vehicle Glass & Glazing
<u>PART Saf-C 3220</u>	Motor Vehicle Exhaust System
<u>PART Saf-C 3221</u>	Motor Vehicle Fuel System
<u>PART Saf-C 3221A</u>	Motor Vehicle Emissions Requirements
<u>PART Saf-C 3222</u>	Motor Vehicle Body or Chassis
<u>PART Saf-C 3223</u>	Motor Vehicle On-Board Diagnostics
<u>PART Saf-C 3224</u>	Agricultural Vehicles
<u>PART Saf-C 3225</u>	Antique Vehicles
<u>PART Saf-C 3226</u>	Replicas
<u>PART Saf-C 3228</u>	Trucks & Buses
<u>PART Saf-C 3229</u>	Trailers & Semi-Trailers
<u>PART Saf-C 3230</u>	Motorcycle Inspection Station
<u>PART Saf-C 3231</u>	Motorcycle Steering, Alignment, Suspension
<u>PART Saf-C 3232</u>	Motorcycle Shock Absorbers
<u>PART Saf-C 3233</u>	Motorcycle Brakes
<u>PART Saf-C 3234</u>	Motorcycle Instrumentation
<u>PART Saf-C 3235</u>	Motorcycle Electrical System
<u>PART Saf-C 3236</u>	Motorcycle Wheels & Tires
<u>PART Saf-C 3237</u>	Motorcycle Fuel System
<u>PART Saf-C 3238</u>	Motorcycle Exhaust System

PART Saf-C 3239	Motorcycle Spark Arresters
PART Saf-C 3240	Motorcycle Glass & Glazing
PART Saf-C 3241	Motorcycle Rear View Mirrors
PART Saf-C 3242	Other Motorcycle Equipment
PART Saf-C 3243	Motorcycle Lights & Lighting
PART Saf-C 3244	Motorcycle Headlamp Aim
PART Saf-C 3245	Motorcycle Body & Chassis
PART Saf-C 3246	Street Rods

[Top of Page](#)

PART Saf-C 3202 GENERAL INSPECTION INFORMATION

Saf-C 3202.01 Applicability of Rules. Unless otherwise stated in this chapter, these rules shall apply to passenger cars, trucks, combination vehicles, trailers and semi-trailers, motorcycles, farm and agricultural vehicles and street rods.

Saf-C 3202.02 Items to be Inspected. The items to be inspected on a vehicle, which are described in detail in subsequent parts, shall include the following primary areas:

- (a) Registration, plates, registration certificate and vehicle identification number;
- (b) Steering, front end and suspension;
- (c) Brakes, including parking brake;
- (d) Odometer and speedometer;
- (e) Electrical system, horn and defroster;
- (f) Lights and reflectors, including headlight aim;
- (g) Glass, glazing and mirrors;

- (h) Wipers;
- (i) Exhaust system;
- (j) On-board diagnostic system;
- (k) Body, chassis and bumper height;
- (l) Fuel system; and
- (m) Tires and wheels.

Saf-C 3203.03 Specification of Type. The application shall state the type of inspection station authorization being applied for as follows:

- (a) Fleet;
- (b) Municipal;
- (c) Automobile;
- (d) Motorcycle; or
- (e) Replacement glass.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3211 REJECTION OF VEHICLES

Saf-C 3211.01 Rejection Procedure.

- (a) When inspecting a vehicle, if any item is found to not comply with these rules, the inspector shall nevertheless complete the inspection of all other required items.

(b) The inspector shall make a list of the items for which the vehicle is being rejected and advise the vehicle owner or operator.

Saf-C 3211.02 Scope of Rejection. Whenever these rules specify that a vehicle shall be rejected for failing to meet certain requirements, the inspector shall refuse to issue a sticker until the vehicle has been brought into compliance.

Saf-C 3211.03 Noting Rejection on Registration Certificate. When rejecting a motor vehicle, the inspector shall place an "X" mark with indelible ink, in the space provided on the back of the vehicle registration certificate. An inspector seeing an "X" marking shall not issue a sticker unless the cause for rejection has been corrected.

Saf-C 3211.04 Rejection Slips.

(a) On rejecting a vehicle for inspection, a motor vehicle rejection report, DSMV 27 shall be completed by the inspector. The form shall be retained until the 10th day of the month following the month the vehicle was rejected.

(b) The following shall be furnished on form DSMV 27:

- (1) Name of inspection station and station number;
- (2) Date of inspection and signature of inspector;
- (3) Vehicle registration number, make, year;
- (4) Owner's name and address; and
- (5) Reason for rejection.

(c) If an inspector believes a vehicle would constitute a safety hazard if driven, s/he shall immediately notify the department by telephoning the division of state police, bureau of enforcement, at 271-3339 or shall immediately mail the rejection slip to the inspection desk in the department.

(d) On rejecting a vehicle pursuant to Saf-C 3223.03, the inspector shall complete the OBD II inspection form, DSMV 532, in lieu of form DSMV 27.

(e) The following information shall be furnished on form DSMV 532:

- (1) Date of inspection;
- (2) Inspection station number;
- (3) Inspector's name and number;
- (4) Vehicle identifying information as follows:
 - a. Manufacturer's year;
 - b. Make;
 - c. Model;
 - d. Fuel type;
 - e. Mileage;
 - f. Registration plate; and
 - g. Vehicle identification number;
- (5) Make and model of scan tool;
- (6) Indication as to whether:
 - a. MIL is illuminated with ignition key in "key on engine off" position; and
 - b. MIL is illuminated with engine running; and
 - c. MIL is commanded "on" by the scan tool;

- (7) Readiness status of:
 - a. Catalyst;
 - b. Heat catalyst;
 - c. Evaporative system;
 - d. EGR;
 - e. O2 sensor;
 - f. O2 heater;
 - g. Secondary air; and
 - h. A/C refrigeration;
- (8) Diagnostic trouble codes;
- (9) OBD inspection results;
- (10) Sticker number; and
- (11) Repairs made, if applicable.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3212 INSPECTION OF VEHICLE REGISTRATION

Saf-C 3212.01 Verification of Information.

(a) Prior to inspecting the vehicle, the inspector shall compare the registration certificate, number plates, vehicle description and vehicle identification number. The inspector shall advise the owner of any error.

(b) Registrations of composite vehicles shall be checked to ensure the certificate shows the vehicle is registered as a composite and has a state issued VIN which begins with "NH".

Saf-C 3212.02 Correction of VIN. If the VIN on the registration certificate does not match the number on the VIN plate on the vehicle, the inspector shall:

(a) Make corrections of vehicle identification numbers on the registration certificate of up to 3 digits or 3 letters, by drawing a slash " / " mark through the incorrect digit or letter and placing the correct digit or letter above it.

(b) Make out a correction slip form DSMV 28C and place in a separate envelope marked "VIN corrections".

(c) Furnish the following information on form DSMV 28C:

(1) Plate number and type;

(2) Plate expiration date;

(3) Owner's name, address and date of birth;

(4) Incorrect VIN number;

1. Correct VIN number;

(6) Signature and date; and

(7) Agency and address.

(d) If more than 3 digits or letters are incorrect, contact the title bureau at 271-3111, and the corrections shall be made by a state police officer. No sticker shall be issued until the registration has been corrected.

(e) In the event a vehicle identification number plate is missing or has been tampered with, for example, is missing pop rivets, reject the vehicle and follow the procedure outlined in (d) above.

Saf-C 3212.03 Registration Plates. Registration plates shall be inspected and the vehicle rejected if it fails to meet any of the following:

(a) The registration plates issued by the department shall be mounted securely on the exterior of the vehicle in the locations provided by the manufacturer. Vehicles which display special number plates issued under the provisions of RSA 261:91 shall be inspected even though the registration might reflect a different number.

(b) When 2 registration plates are issued, one shall be mounted on the front of the vehicle and the second shall be mounted on the rear.

(c) If no location has been provided by the manufacturer, the plates shall be securely mounted with a bracket or comparable method in a visible location, and the rear plate shall be illuminated by a white license plate light when the headlights or parking lights are on.

(d) All license plates shall be mounted right side up.

(e) If the ball of a trailer hitch is mounted in a way that obscures the numbers or characters on the rear license plate, the ball shall be removed or inverted so the plate is not obscured.

(f) The color of the registration plates shall be the color issued by the department.

Saf-C 3212.04 IFTA Validation Stickers.

(a) A qualified motor vehicle which operates in New Hampshire and at least one other jurisdiction shall be rejected if it does not display valid international fuel tax agreement stickers on the driver side and passenger side door.

(b) For the purposes of (a) above "qualified motor vehicle" means a motor vehicle, used, designed or maintained for transportation of persons or property that:

(1) Has two axles and a gross vehicle weight or registered gross vehicle weight exceeding 26,000 pounds or 11,797 kilograms;

(2) Has three or more axles; or

(3) Is used in combination, when the weight of such combination exceeds 26,000 pounds or 11,797 kilograms gross vehicle or registered gross vehicle weight.

(c) The term "qualified motor vehicle" shall not include recreational vehicles.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3213 MOTOR VEHICLE INSPECTION - WHEELS AND TIRES

Saf-C 3213.01 Fabric Breaks, Cuts and Blowout Repairs. A vehicle shall be rejected if a tire has:

(a) A fabric break;

(b) A cut, break or weather crack which is:

(1) In excess of one inch in any direction as measured on the outside of the tire; and

(2) Deep enough to reach the body cords;

(c) Temporary repairs made with blowout patches or boots;

(d) Any bumps, bulges or knots related to separation or partial failure of the tire structure;

(e) Any portion of the ply or cord structure exposed through the tread; or

(f) A portion of the tread completely worn, which is of sufficient size to affect the traction and stopping ability of the tire.

Saf-C 3213.02 Tread Depth. A vehicle shall be rejected if the tread depth measured in a major tread groove nearest the center of the tire is less than 2/32 inch or 4/32 inch on the front axles of vehicles over 10,000 pounds gross vehicle weight.

Saf-C 3213.03 Regrooved Tires Prohibited. A vehicle shall be rejected if equipped with one or more regrooved tires, pursuant to RSA 266:47.

Saf-C 3213.04 Prohibited Tires, Mis-Matching. A vehicle shall be rejected if any of the following is present:

(a) Radial and bias-ply tires on same axle;

(b) Different tire sizes on the same axle, except for U.S. and metric sizes of compatible construction, dimensions and load capacity;

(c) Tires marked "for farm use only", "off highway use only", or "racing only".

Saf-C 3213.05 Wheel Condition. A vehicle shall be rejected if:

(a) Wheel bolts, studs or lugs are loose, missing or damaged.

(b) Any part of the wheel is bent, cracked, re-welded, damaged or has elongated bolt holes that affects operation.

Saf-C 3213.06 Tire Width.

(a) A vehicle shall be rejected if the width of any tire or wheel assembly extends beyond the original manufacturer's specified fender lines, except in the case of passenger vehicles where the fender line has been extended by using metal, rigid fiberglass, or rigid rubber wheel-well extensions.

(b) A vehicle shall be rejected if not equipped with tire flaps if the fenders do not prevent the throw, splash, spray of water, dirt or other matter upward or to the rear.

Saf-C 3213.07 Steering, Alignment and Suspension. A vehicle shall be rejected if:

(a) A spring, strut or torsion-bar height is not within manufacturer's specifications or if there is a broken spring leaf, spring shackle, or broken sway bar.

(b) On the bounce test, the vehicle continues to oscillate for more than 2 cycles, except on vehicles equipped with gas-pressurized struts and shock absorbers, which show more oscillation than conventional, non-pressurized struts and shocks.

(c) The suspension has been altered, and the bottom edge of the horizontal bumper bar:

(1) Is less than 16 inches or more than 20 inches above level ground on a passenger vehicle;

(2) Is less than 16 inches or more than 30 inches on a multipurpose passenger vehicle; or

(3) Is less than 16 inches or more than 30 inches to the bottom of the front or rear frame rails of a pickup truck, measured where the bumpers would be attached by the manufacturer.

(d) The vehicle is misaligned from linkage looseness, or suspension damage which affects the safe operation.

(e) If wheel camber, caster, or toe-in are beyond manufacturer's specifications, which affects safe steering.

(f) Steering wheel lash or free-play exceeds 3 inches of total movement at steering wheel rim or 2 inches on power-steering equipped vehicles, before the front wheels move, or the steering wheel, except those designed for handicapped operators, is not circular or equivalent in size and material strength as approved by the manufacturer.

(g) Vehicle's front wheels cannot be turned from full right to full left lock without binding or interference.

(h) Shear capsule, if any, on energy-absorbing steering column is separated from bracket, or there is general looseness of the steering wheel and column, or steering wheel and column can be moved as a unit.

(i) Steering box is loose; power steering fluid level is insufficient; or visual observation reveals obvious defects in a belt, hose, connection, component part or mounting which could result in failure.

(j) Steering linkage free-play exceeds:

- (1) 1/4 inch for vehicles with front wheels that are 16 inches or less in diameter;
- (2) 3/8 inch for wheels 17 or 18 inches in diameter; or
- (3) 1/2 inch for wheels over 18 inches in diameter.

(k) Any wheel bearing exceeds the manufacturer's tolerance for looseness.

(l) Any ball joint is broken, cracked or separated.

(m) Any ball joint without a wear indicator has movement in excess of the manufacturer's service specifications. Movement shall be measured with a pry bar, using only enough pressure to lift the wheel assembly to prevent unnecessary ball joint replacement.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3214 BRAKES

Saf-C 3214.01 Wheels. When inspecting brakes, one front and one rear wheel shall be removed.

Saf-C 3214.02 Brake Inspection. A vehicle shall be rejected due to the brakes if:

(a) Brakes do not have adequate stopping power.

(b) Any wheel fails to indicate braking action.

(c) Inspection of brake pedal reserve shows that less than 1/5 of the total service brake pedal travel remains when the pedal is depressed and held, or if dashboard warning light illuminates on front disc-equipped vehicles, or if pedal height cannot be maintained for 10 seconds under moderate foot-force on drum brake equipped vehicles.

(d) Brake warning indicator light fails to light up when ignition is turned on, goes out when engine starts, or lights up when the brake pedal is depressed, or if press-to-test light, if so equipped fails to light up.

- (e) Parking brake does not hold vehicle with engine slightly accelerated in low gear, or if the vehicle was manufactured after May 23, 1970, does not hold the vehicle on a 20% grade, or if the pedal or lever reaches its limit of travel before the brakes are set.
- (f) On 4 wheel disc brake equipped vehicles, if separate parking brake linings are loose, worn out, or soaked with grease, oil or fluids, or drums are cracked, broken or damaged.
- (g) Bonded linings on brake shoes or pads, when measured at the thinnest point, are less than 1/32 inch thick.
- (h) Wire in wire-backed linings is visible in the friction surface.
- (i) Riveted linings on the brake shoes or disc brake pads are worn to within 1/32 inch of any rivet head.
- (j) Rivet(s) on the brake lining are loose or missing, or the lining is not securely fastened to the shoe or pads.
- (k) Brake lining is broken, loose, or cracked more than 1/2 way through total thickness of brake lining, except in the case of bonded linings which are cracked but are not loose from the brake shoes.
- (l) Lining surface is contaminated with foreign material to the extent it interferes with operation of the brake.
- (m) Any brake drum or disc shows evidence of mechanical damage other than wear, or the friction surface is contaminated with grease or oil, the drum has cracks on the friction surface extending to the open edge or on the outside of the drum, particularly at the drum mounting area, or a disc is broken or has cracks on the friction surface which extend to the open edge.
- (n) The inside diameter of the brake drum exceeds the maximum diameter stamped on the drum or is greater than 0.090 inch, 2.3 mm, over the original drum diameter for unmarked drums.
- (o) Fluid is leaking from the master cylinder, calipers, wheel cylinders, or parts are missing, or improperly retained.
- (p) Rotor thickness is less than the minimum stamped on assembly.
- (q) Any brake drum or disc is worn below manufacturer's specifications.

(r) Hydraulic fluid in master cylinder reservoir is more than 1/2 inch below lowest edge of filler opening in either reservoir chamber, or is below minimum level indicated by manufacturer on reservoir. Passenger cars with disc front and drum rear brakes and dual master cylinders shall indicate wear on disc brake pads if fluid level is lower in the large reservoir only.

(s) Hydraulic hoses, tubing or connections are leaking, chaffed, restricted, crimped, cracked, broken, corroded, flattened, or insecurely fastened.

(t) Any mechanical linkage parts are missing, broken, or badly worn.

(u) There is high friction in the brake pedal and linkage or in the brake components.

(v) Brake operating levers are improperly positioned or misaligned.

(w) Grease retainers are defective.

(x) On vacuum booster power brakes, any hose or tube is leaking, collapsed, broken, badly chafed or improperly supported, or any clamp is loose, missing or broken, or the service brake pedal does not move slightly when the engine starts.

(y) On hydraulic booster power brakes, there is insufficient fluid in the power steering pump or reservoir, there are broken, kinked, or restricted fluid lines or hoses, any leakage of fluid at the pump, steering gear or brake booster or any of the lines or hoses in the system, there are belts missing or in danger of failure, or if no action is felt in service brake pedal when the engine is started, while applying pressure to brake pedal.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3215 INSTRUMENTATION

Saf-C 3215.01 Odometer.

(a) A vehicle shall be rejected if the odometer has been tampered with or removed, or is not working. If the vehicle was manufactured after January 1, 1972 the odometer shall be tamper resistant pursuant to RSA 262:17.

(b) Verification that the odometer is working properly shall be done by comparing the current mileage reading with the mileage indicated on the old inspection sticker on the vehicle.

Saf-C 3215.02 Speedometer. A vehicle shall be rejected if it is not equipped with a speedometer, the speedometer is not working properly, or has been tampered with or altered.

Saf-C 3215.03 Reverse Gear and Parking Position.

(a) Passenger cars, trucks and buses shall have a functional reverse gear which enables the vehicle to be backed under power.

(b) A vehicle equipped with an automatic transmission shall be rejected if the vehicle will move on a grade while in the "park" position.

[Top of Page](#)

PART Saf-C 3216 ELECTRICAL SYSTEM

Saf-C 3216.01 Horn. A vehicle shall be rejected if the horn:

(a) Is not securely fastened;

(b) Cannot be heard by a person 200 feet from the vehicle; and

(c) Does not operate.

Saf-C 3216.02 Neutral Starter Safety Switch. A vehicle with an automatic transmission shall be rejected if the starter operates when the gear selector is in any gear other than park or neutral.

Saf-C 3216.03 Electrical System. A vehicle shall be rejected if any part of the electrical system shows signs of burning, short-circuiting, bare or uninsulated wires.

[Top of Page](#)

PART Saf-C 3217 LIGHTS AND LIGHTING

Saf-C 3217.01 Turn Signal Lamp Systems.

(a) Turn signal lamps shall be present on all vehicles manufactured after January 1, 1952, or on all vehicles originally manufactured with them.

(b) A vehicle shall be rejected if any turn signal lamp or operating unit:

- (1) Is not a type compatible with the original equipment;
- (2) Is not in the position designated by the manufacturer;
- (3) Is not functioning properly;
- (4) Is not properly directed;
- (5) Is obscured; or
- (6) Has a self-canceling mechanism that is not functioning properly.

Saf-C 3217.02 Emergency Lights.

(a) A vehicle shall be rejected if equipped with emergency lights that:

- (1) Are not the proper color for the emergency service to which the vehicle belongs, pursuant to (d) below;
- (2) Are not located in the positions, pursuant to (e) below; and
- (3) The owner is not entitled to have the vehicle equipped with emergency lights.

(b) The following vehicles may be equipped with lights of the appropriate color:

- (1) Fire trucks;
- (2) Police cruisers;
- (3) Ambulances;
- (4) Vehicles of volunteer firefighters;
- (5) Vehicles of volunteer ambulance drivers;
- (6) Non-transporting advanced life support paramedic-response units equipped with communications equipment and specialized medical equipment;
- (7) Law enforcement vehicles;
- (8) Private snow removal vehicles;
- (9) Public works departments;
- (10) Public utility companies;
- (11) Vehicles of the office of emergency management;
- (12) Wreckers;
- (13) Postal service vehicles;
- (14) Vehicles of the oil spill emergency response unit, the hazardous waste emergency response unit and the air toxics services;
- (15) Vehicles of hospital emergency personnel; and
- (16) The hazardous materials van of the James River Corporation.

(c) Inspectors may request to see identification or a letter from a supervisor which verifies an individual may legally equip their vehicle with emergency lights under RSA 266:74, I.

(d) The approved color of emergency lights shall be as follows:

(1) Red for:

- a. Fire departments;
- b. Volunteer members of fire departments;
- c. Forestry departments;
- d. Director of the office of emergency management;
- e. Public or private ambulances;
- f. Volunteer ambulances and non-transporting advanced life support paramedic response units;
- g. Vehicles of the oil spill emergency response unit, the hazardous waste emergency response unit and the air toxics emergency response unit of the department of environmental services; and
- h. Vehicles of hospital emergency personnel.

(2) Blue for:

- a. Law enforcement vehicles; and
- b. Police cruisers.

(3) Amber for:

- a. Public works departments;
- b. Public utility companies;
- c. Vehicles operated by the office of emergency management;
- d. Private snow removal vehicles;
- e. Wreckers;
- f. Postal service vehicles; and
- g. The hazardous waste van of the James River Corporation.

(e) Approved positions and locations for emergency lights shall be as follows:

- (1) Emergency lights shall be mounted on the roofs of vehicles unless otherwise permitted below;
- (2) Single-face emergency lights shall be mounted on the front of vehicles, or on the rear.
- (3) When mounted on the front of vehicles, single face emergency lights shall be no less than 12 inches from the surface of the road.
- (4) Dash mounted emergency lights shall be prohibited if they obstruct or in any way impair the driver's vision.
- (5) Rear-facing emergency lights may be mounted on the rear window ledges of a vehicle only if they do not obstruct the driver's view to the rear.
- (6) Emergency lights combined with sirens to form a single unit may be mounted on the front bumpers or on the vehicle's rooftop.

(f) A vehicle equipped with emergency lights shall be rejected if:

- (1) It is not authorized to be equipped with the emergency lights;
- (2) The owner of a vehicle refuses or is unable to furnish identification which proves that he is authorized to have emergency lights installed; or
- (3) The emergency lights do not comply with the color or location requirements.

Saf-C 3217.03 Lamp Function. A vehicle shall be rejected if:

- (a) Any bulb, sealed beam unit or lamp fails to light or to function properly;
- (b) Any bulb, sealed beam unit, lamp or reflector does not meet manufacturer's specifications or violates federal motor vehicle safety standards.
- (c) Turn signal lamps fail to light when the turn signal lever is moved to the on position, or flashes less than 60 or more than 120 cycles a minute.
- (d) The back-up light system, if so equipped, does not turn off automatically when the vehicle is moved forward, if the light system is designed to turn off.
- (e) Any lamp shows a color inconsistent with the following:
 - (1) Headlamps shall show a white light and colored headlamps, covers or tinted lenses shall not be installed;
 - (2) License plate lamps shall show a white light;
 - (3) Directional signals shall show an amber or white light to the front, and an amber or red light to the rear;
 - (4) Tail and brake lamps shall show a red light; and
 - (5) Clearance lamps shall show a red light to the rear and an amber light to the front.

- (f) Any lamp or reflector does not direct light in the proper direction.
- (g) Auxiliary equipment is placed on or in front of any lamp, except that a plow frame may be placed in front of a headlamp.
- (h) Any lamp assembly, or parts thereof, is improperly fastened or installed.
- (i) Any lamp has a cracked, broken or missing lens or reflex reflector.
- (j) Equipped with snowplow lamps higher than 42 inches above level ground, at lamp center, which throws a beam of light which has a top edge higher than 42 inches, measured 75 feet forward of the vehicle.
- (k) Equipped with snowplow lamps that do not have high and low beams or are wired to allow operation of vehicle lamps and plow lamps at the same time.
- (l) Replacement lamps or component parts shall be comparable to the manufacturer's original equipment.
- (m) A headlight is too dim or too bright. Low beam minimum candlepower is 7,500, high beam minimum candlepower is 10,000 and maximum candlepower for all head lamps and auxiliary lights is 150,000.

Saf-C 3217.04 Auxiliary Driving Lamps and Fog Lamps. A vehicle shall be rejected if:

- (a) It is equipped with more than 3 auxiliary driving lamps or fog lamps.
- (b) The auxiliary lamps or fog lamps, measured at lamp center, are lower than 12 inches or higher than 42 inches from level ground.
- (c) Off road, roof or roll bar mounted lights are not covered to prevent light beams from being thrown while operating on a way.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3218 HEADLAMP AIM

Saf-C 3218.01 Inspection Required. A vehicle shall be rejected if:

- (a) A mechanical aimer shows the headlight beam is not straight ahead and 2 degrees down.
- (b) A headlight board shows the headlight beam is not straight ahead and less than 2 inches lower than the horizontal center line of the board, measured 25 feet from the headlamps.

Saf-C 3218.02 Auxiliary Driving Light/Fog Lamp Aim. A vehicle shall be rejected if the aim of the high intensity zone of auxiliary driving lamps or fog lamps exceeds the limits imposed on the aim of the high intensity zone of the respective headlamp low beam.

[Top of Page](#)

PART Saf-C 3219 GLASS AND GLAZING

Saf-C 3219.01 Inspection of Glass and Glazing Required. All glass and glazing material shall conform to the requirements of RSA 265:95 and RSA 266:58-a.

Saf-C 3219.02 Unauthorized Materials on Windows. No sign, poster, sticker, or other non-transparent material shall be permitted on the windshield, rear window, or any window ahead of the rear part of the driver's seat, except the following:

- (a) Official inspection stickers which are placed in an authorized position behind the rear view mirror.
- (b) Official emission control stickers which are placed in an authorized position on the lower left corner of the windshield.
- (c) Privilege stickers, for example naval base, military installation, road use tax, university or college parking, police department shall be placed on the windshield or any window ahead of the rear part of the driver's seat and not more than 3 inches by 3 inches long or 3 inches wide.
- (d) Any stickers or decals required by federal law on new or used cars, in the possession of a dealer.

Saf-C 3219.03 Safety Glass. Any vehicle manufactured on or after January 1, 1936, shall be equipped with safety glass, marked with the proper code number, AS 1, AS 10 or DOT code number, and shall have safety glass installed whenever replacement is required.

Saf-C 3219.04 Outside Rear View Mirrors. A vehicle shall be rejected if a left hand outside rear view mirror is not present in the correct location is not firmly mounted, is not free of cracks, or extends to the left of the vehicle body more than is necessary.

Saf-C 3219.05 Inside Rear View Mirror. A vehicle shall be rejected if the inside rearview mirror is loose so that rear vision is impaired, or if the mirror is located in a position that does not give the driver a clear view of the highway at least 200 feet to the rear of the vehicle, or if it is cracked, broken or has sharp edges, or will not stay in a set position when adjusted. If a vehicle has a blocked rear view the vehicle shall be exempt from having a rearview mirror if equipped with outside mirrors on the left and right.

Saf-C 3219.06 Tinted Glass. Vehicles with tinted glass shall not be inspected unless the glass conforms with RSA 266:58-a or the owner has obtained a waiver pursuant to Saf-C 2500.

Saf-C 3219.07 Blinds. A rigid venetian blind shall be permitted on the rear-most window of a vehicle if attached so there is no possibility of the blind shifting. The blind shall be designed so it permits clear vision of the highway and cannot be closed. The blind shall be made of a material which shall not reflect a shadow which shall interfere with or distort the driver's rear vision.

Saf-C 3219.08 Curtains. Curtains shall be allowed on any window other than the windshield and windows to the right and left of the driver, provided the vehicle is equipped with 2 exterior rear view mirrors, one to the left of the driver and one to the right side of the driver to afford a clear view past the left and right rear of the vehicle.

Saf-C 3219.09 Plastic Glazing and Plexiglass.

(a) Rigid plastic glazing, such as plexiglass, may be used in the windows of motor trucks and other vehicles where the windows are broken frequently.

(b) Rigid plastic glazing shall be replaced when it becomes scratched, clouded or worn to the extent that vision is limited or obscured.

(c) Glazing or plexiglass shall not be used in the windshields of vehicles unless it meets the federal motor vehicle safety standards, 49 CFR 393.60.

Saf-C 3219.10 Cracked or Chipped Glass. A windshield shall be rejected if the glass or glazing:

- (a) Has become clouded, shattered, or cracked, inside or outside, more than 2 inches;
- (b) Is cracked on one side, through to the plastic center, and the driver's vision is blocked or limited; or
- (c) Is cracked or chipped directly through from the inside to the outside.

Saf-C 3219.11 Defroster. All vehicles manufactured after January 1, 1947, shall be rejected if not equipped with a functional defroster capable of melting snow and ice on the windshield.

Saf-C 3219.12 Windshield Wipers. A vehicle shall be rejected if:

- (a) The wiper blades fail to clear the windshield.
- (b) The rubber section of the wiper blades is worn, or missing.
- (c) The wiper does not have 2 or more functioning speeds, if the vehicle was manufactured after January 1, 1968.

Saf-C 3219.13 Window Function. A vehicle shall be rejected if all windows do not open and close properly.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3220 EXHAUST SYSTEM

Saf-C 3220.01 Inspection of Exhaust System Required.

- (a) The exhaust system including the exhaust pipe, muffler, resonator, catalytic converter, tailpipe, hangers, brackets, and all other component parts shall be inspected for leakage, improper fastening, or excessive noise pursuant to RSA 266:59.

(b) All vehicles shall be fitted with standard mufflers in good working condition. Original equipment mufflers shall be replaced with comparable mufflers, and the mufflers shall meet the requirements of RSA 266:59.

(c) Except as provided in Saf-C 3220.02, all replacement exhaust systems shall follow the line of the original exhaust. Pickup trucks and any other trucks may be inspected without a tail pipe, provided the muffler extends past the passenger compartment, has a down spout and is not equipped with a camper or other enclosed structure for carrying passengers.

(d) A vehicle shall be rejected if:

- (1) It has no tailpipe or muffler.
- (2) There are holes, rusted or worn surfaces in any component parts or supporting hardware.
- (3) There are loose or leaking joints or leaking seams in any section.
- (4) Any part of the exhaust system is not securely fastened.
- (5) Any part of the exhaust system passes through the passenger carrying area or trunk.
- (6) Muffler jackets or flexible pipe, which does not seal itself, is used in the exhaust system.
- (7) The tail pipe end is pinched or damaged.
- (8) The muffler has loose or missing interior baffles, or holes which have been repaired with patches.
- (9) Noise is given off which exceeds the manufacturer's specifications, or there is a muffler cut-out, muffler by-pass or similar device which allows excessive or unusual noise.
- (10) Excessive fumes, smoke, flame, gas, oil or fuel residue is escaping in violation of RSA 266:59.
- (11) The catalytic converter is missing on any vehicle with a model year 1985 or newer which was designed to have a factory installed catalytic converter.

Saf-C 3220.02 Outside Pipes. The outside pipe, side-pipe, or exhaust pipe shall meet the following requirements:

- (a) The muffler shall be installed according to the manufacturer's specifications and pursuant to RSA 266:59, shall not give off excessive noise, fumes, smoke, flame, gas, oil, or fuel residue.
- (b) No exhaust gases shall enter the passenger compartment.
- (c) Any flexi-type exhaust piping used shall be self-sealing, free of leaks, holes, patches or defects, properly fastened to the vehicle and used only on the exhaust side of the emission control system.
- (d) No part of the exhaust system or exhaust pipe shall extend, in a horizontal direction, beyond the limits of the vehicle's fender wells without heat shielding.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3221 FUEL SYSTEM

Saf-C 3221.01 Inspection of Fuel System. A vehicle shall be rejected for its fuel system if:

- (a) There is vapor or fuel leakage anywhere within the fuel system.
- (b) Any part of the fuel system is not securely fastened.
- (c) The fuel system is not equipped with a fuel filler cap which conforms to manufacturer's specifications.
- (d) The gas tank is not secured to the body or chassis, or is located in the passenger carrying area or trunk, except for LPG powered vehicles in which case the fuel tank may be located in the trunk.
- (e) The vehicle is powered with LPG and the fuel tank, carburetor, fuel lines and fittings have not been installed in accordance with the standards of the national fire protection association.
- (f) The fuel filler inlet restrictor has been removed from any vehicle with a model year 1985 or newer, which was designed and intended by the vehicle manufacturer to burn unleaded fuel only.

PART Saf-C 3221A EMISSIONS REQUIREMENTS

Saf-C 3221A.01 Positive Crankcase Ventilation (PCV).

- (a) The PCV valve shall be visually inspected to ensure its presence on all 1980 and newer model year vehicles that were so equipped at the time of manufacture.
- (b) All hoses associated with the PCV system shall be inspected to ensure presence and proper connection.
- (c) A vehicle shall be rejected if the PCV valve is missing, or if it is degraded to the extent that it is plainly obvious to the inspector that it cannot be functional, or if any hoses associated with the PCV system are missing or degraded to the extent that they are nonfunctional.

Saf-C 3221A.02 Air Injection Pump/Pulse Air System.

- (a) The air injection pump/pulse air system on all 1980 and newer model year vehicles so equipped at the time of manufacture shall be visually inspected for presence and proper connection of appropriate hoses.
- (b) A vehicle shall be rejected if the system and/or hoses are missing or if it is plainly obvious to the inspector that the system is degraded to the point where it cannot be functional.

Saf-C 3221A.03 Inspection of Fuel System. In addition to Saf-C 3221.01(c), a vehicle shall be rejected if the fuel filler cap is loose, degraded to the point that it could allow the escape of vapors or is otherwise improperly fitted.

Saf-C 3221A.04 Evaporative Canister

- (a) The evaporative canister shall be visually inspected to ensure its presence on all 1980 and newer vehicles that were so equipped at the time of manufacture.
- (b) All hoses and other connections to the evaporative canister shall be inspected to ensure presence and proper connection.

(c) A vehicle shall be rejected if the evaporative canister is missing, or if it is degraded to the extent that it is plainly obvious to the inspector that it cannot be functional, or if any hoses, wires or cables associated with the evaporative system are missing or degraded to the extent that they are nonfunctional.

Saf-C 3221A.05 Inspection of Exhaust System. Notwithstanding Saf-C 3220.01(d)(11), a vehicle shall be rejected if the catalytic converter is missing or degraded to the point of being nonfunctional on any vehicle with a model year 1980 and newer which was designed to have a factory installed catalytic converter.

Saf-C 3221A.06 Replacement Parts.

(a) An inspection station shall make a reasonable effort to obtain parts for equipment specified in RSA 266:59-b, I(a)(1) through (5) which require replacement. For the purposes of this rule, "reasonable effort" means any combination of three (3) phone calls to parts dealers, original equipment manufacturers or other secondary market sources.

(b) If replacement parts are found to be unavailable, the inspection station shall so indicate on the inspection form and the vehicle shall pass this portion of the inspection.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3222 VEHICLE BODY OR CHASSIS

Saf-C 3222.01 Body Damage. A vehicle shall be rejected if:

(a) The body components have any tears, sharp edges, or protruding areas which present a safety hazard to the driver, passengers or pedestrians.

(b) Any fender is missing, improperly installed or is not the proper height or loosely attached.

(c) Any door is missing, improperly fastened or adjusted so that it cannot be closed tightly.

(d) Any door latch, lock, hinge or handle is broken, does not operate properly or is defective.

(e) The hood is missing or cannot be closed tightly.

(f) The hood safety catch, hand operated hood release latch or remote control hood release is broken.

(g) The floor pan in the occupant section or trunk area has a hole, is worn or rusted so that exhaust gases enter, or cannot support vehicle occupants.

(h) Any part of the body, chassis or running gear is missing or improperly functioning.

Saf-C 3222.02 Replacement of Body or Chassis. Any portion of the body or chassis of a vehicle which is missing or damaged shall be replaced with material(s) which conform with manufacturer's specifications.

Saf-C 3222.03 Body Openings. A vehicle shall be rejected if an inspection reveals the body to be damaged so rear doors, windows, deck lids or other similar items cannot be fully closed and properly sealed, or any other condition or body opening exists which allows exhaust gases to enter the passenger area.

Saf-C 3222.04 Bumpers. Any passenger or multipurpose passenger vehicle shall be rejected if not equipped with a bumper attached to the front and rear of the vehicle, or any truck not equipped with a front bumper, or any vehicle with a bumper located at an improper height, loose or improperly installed bumpers, or rusted to a degree which would render it useless.

Saf-C 3222.05 Wooden Bumpers. The following requirements shall be met for the use of wooden bumpers on vans, pickup trucks or multi-purpose passenger vehicles:

(a) The bumper shall be made of hardwood.

(b) The wood shall be at least 2 inches thick and be 6 inches in height.

(c) It shall be attached to the frame of the vehicle in the same manner as a steel bumper.

(d) There shall be no sharp or pointed edges, or any other condition hazardous to pedestrians or other motorists.

(e) All wooden bumpers shall have a backing of 1/4 inch steel plate.

(f) All wooden bumpers shall be a single unit, and shall not consist of 2 or more pieces of wood joined together.

(g) Wooden bumpers shall not be used on vehicles equipped with factory installed energy-absorbing bumpers.

Saf-C 3222.06 Structural Rust.

(a) A vehicle shall be rejected if the frame or other structural components are rusted to a degree which affects the safety of the vehicle.

(b) Welded frames shall be allowed when any joints have the equivalent strength of the original frame and the alignment of chassis parts is not affected thereby.

(c) Lap joints welds shall be accepted provided the joints have the equivalent strength of the original frame.

Saf-C 3222.07 Hood Scoops. Hood scoops may be installed on vehicles but shall meet the following requirements:

(a) No after market or non-manufacturer installed hood scoop shall exceed a height of 4 inches at the rear or 5 inches at the front;

(b) The height shall be determined by measuring vertically from the surface of the hood to the top of the scoop. The measurement shall be made at a 90 degree angle from the point at which the scoop meets the surface of the hood.

(c) No point on the top of a scoop shall exceed a height of 5 inches from the surface of the hood.

(d) Notwithstanding the height allowances set forth above, no hood scoop shall be constructed or installed in a manner that impairs a driver's field of vision;

(e) A driver's field of vision shall be impaired when a hood scoop creates a visual obstruction which:

(1) Results in a blind spot which hampers a driver's ability to safely maneuver or park a vehicle; or

(2) Otherwise restricts a driver's ability to safely operate a vehicle.

[Return to Beginning of Section](#) [Top of Page](#)

PART Saf-C 3223 ON-BOARD DIAGNOSTIC SYSTEM

Saf-C 3223.01 Applicability.

(a) Notwithstanding Saf-C 3202.02(j), the on-board diagnostic system inspection pursuant to this part shall only apply to the following vehicles:

- (1) Model year 1996 and newer light-duty gasoline vehicles and light-duty gasoline trucks; and
- (2) Model year 1997 and newer light-duty diesel vehicles and light-duty diesel trucks;

(b) Notwithstanding Saf-C 3202.02(j) or any other rule to the contrary, the on-board diagnostic system inspection pursuant to this part shall not apply to the following types of vehicles:

- (1) Street rods;
- (2) Replicas; or
- (3) Motorcycles.

Saf-C 3223.02 Definitions. For the purposes of this part, the following definitions shall apply:

(a) "Data link connector" (DLC) means the physical connector/electrical interface between the vehicle's on-board computer system and off-board diagnostic equipment.

(b) "Diagnostic trouble code" (DTC) refers to the 5 digit alpha-numeric fault codes specified in the Society of Automotive Engineer's (SAE) publication SAE J2012 and which identify the component or components which cause illumination of the MIL. The generic fault codes which can result in the illumination of the MIL.

Saf-C 3223.03 On-Board Diagnostic System Inspection.

(a) All results of the on-board diagnostic system inspection shall be recorded on form DSMV 532.

(b) An inspection of the on-board diagnostic system shall consist of:

- (1) A determination of whether the MIL is operational;
- (2) A determination of whether the MIL is illuminated while the engine is running;
- (3) A determination if the MIL is commanded on or off;
- (4) If the MIL is commanded on a determination of the diagnostic trouble codes (DTC); and
- (5) A determination of the readiness status of the OBD II system components.

(c) A vehicle subject to the on-board diagnostic inspection shall be rejected for inspection for the following reasons:

- (1) The DLC is missing, has been tampered with, or is inoperable;
- (2) The MIL does not illuminate with the ignition key in the 'key on, engine off' position;
- (3) The MIL is illuminated when the engine is running;
- (4) The MIL is commanded on for one or more OBDII diagnostic trouble codes; or
- (5) The MIL is commanded to be illuminated and is not visually illuminated.

(d) If a vehicle is rejected for testing, the customer shall be instructed to return after the vehicle has been run under conditions that allow completion of all applicable on-board tests if:

- (1) A scan of the on-board diagnostic system reveals a "not ready" status for 3 or more monitors on manufacturer's year 1996 through manufacturer's year 2000 vehicles, inclusive, or
- (2) A scan of the on-board diagnostic system reveals a "not ready" status for 2 or more monitors on manufacturer's year 2001 and newer vehicles.

(e) If a vehicle is rejected pursuant to Saf-C 3223.03(c) or (d) above and the vehicle fails to return for and pass an inspection by the tenth day of the following calendar month, the inspector shall follow the rejection procedure specified in Saf-C 3211. In lieu of rejection form DSMV 27, an inspector shall complete and submit the OBD Inspection Form DSMV 532.

Saf-C 3223.04 Test Results. The inspection station shall provide the customer with a copy of form DMV 532 or a printed report with the same information as required in form DMV 532, containing the test results, including, but not limited to, the following information if applicable:

- (a) The OBD II-related diagnostic trouble codes retrieved;
- (b) The name of the component or system associated with each diagnostic trouble code retrieved; and
- (c) Whether the MIL is commanded "ON" or "OFF".

Saf-C 3223.05 Exemptions from Rejection Criteria. The following vehicles shall not be rejected for inspection due to "readiness" status as specified in Saf-C 3223.03(d) above:

- (a) All new vehicles with an odometer reading of less than 1000 miles;
- (b) The following model year 1996 Chrysler vehicles:
 - (1) Avenger;
 - (2) Sebring/Talon;
 - (3) Cirrus;
 - (4) Intrepid;
 - (5) Concorde;
 - (6) New Yorker;

- (7) LHS;
- (8) Vision;
- (9) Neon;
- (10) Status; or
- (11) Breeze;

- (c) All models of 1996 Subaru;
- (d) All models of 1996-1998 Mitsubishi; and
- (e) Volvo 850 turbo, model year 1996.

Saf-C 3223.06 Exemption from Visual Inspection Requirements.

- (a) This section shall not apply to vehicles listed in Saf-C 3223.05 above.
- (b) Vehicles that are subject to the OBD inspection, pursuant to this part, shall be exempt from the following visual inspections:
 - (1) PVC valve, pursuant to Saf-C 3221A.01;
 - (2) Air injection pump, pursuant to Saf-C 3221A.02;
 - (3) Fuel system, pursuant to Saf-C 3221A.03;
 - (4) Evaporative canister, pursuant to Saf-C 3221A.04; and
 - (5) Exhaust, pursuant to Saf-C 3221A.05.

PART Saf-C 3224 AGRICULTURAL VEHICLES

Saf-C 3224.01 Inspection Required. Vehicles registered and bearing agricultural plates shall be inspected as required by RSA 266:1.

Saf-C 3224.02 Equipment Required for Inspection.

- (a) Vehicles with agriculture registrations shall be subject to a limited inspection.
- (b) Agricultural vehicles may be inspected without lights, reflectors, windows, windshields, doors and cabs.
- (c) Agricultural vehicles shall have the following equipment:
 - (1) Brakes;
 - (2) Steering wheel;
 - (3) Stop lights; and
 - (4) Exhaust system.
- (d) If an agricultural vehicle is used after dark, it shall be equipped with headlights, reflectors, and tail lights, as required in RSA 266:31 through RSA 266:44.

Saf-C 3224.03 Farm Vehicles. Vehicles bearing farm registration plates shall be subject to the same inspection requirements as passenger and commercial vehicles, and shall not have the same exemptions as agricultural vehicles.

Saf-C 3224.04 Tread Depth of Farm Vehicles. Farm vehicles registered under RSA 261, self-propelled combines, self-propelled corn and hay-harvesting machines or tractors used exclusively for agriculture purposes shall be exempt from the tread depth requirements of these rules.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3225 ANTIQUE VEHICLES

Saf-C 3225.01 Inspection Required. All antique vehicles, as defined in RSA 259:4, shall be inspected annually during the month of April. The equipment shall be the same as the original manufacturer's specifications or provide equivalent safety.

[Top of Page](#)

PART Saf-C 3226 REPLICAS

Saf-C 3226.01 Replicas of Antique Vehicles.

(a) Replicas of antique vehicles shall not be considered as antiques for the purpose of inspection.

(b) All replica antique vehicles shall conform to the requirements of the laws, rules and manufacturer's specifications of the passenger vehicle chassis on which they are based.

[Top of Page](#)

PART Saf-C 3228 TRUCKS AND BUSES

Saf-C 3228.01 Additional Requirements for Inspection of Trucks and Buses. In addition to the requirements for inspecting all vehicles which appear elsewhere in these rules, the rules in this part shall apply to trucks and buses.

Saf-C 3228.02 Truck and Bus Tires. A truck or bus shall be rejected if:

(a) Any tire has unrepaired fabric breaks or fabric breaks repaired with blowout patches or boots which is prohibited by RSA 266:49.

(b) There are mis-matched tire types or sizes or both including:

(1) Different types of tires, such as bias, bias belted, and radial tires mis-matched on the front wheels.

(2) Radial and non-radial tires are mis-matched as dual tires on the same axle.

(3) Tires on both sides of an axle are not the same size, or tires on both sides of a motor truck or bus which are not the same size which means within 3/8 inch for dual tires.

(c) There are any improperly spaced dual tire(s).

(d) Any wheel rim or lock ring is improperly matched, not in good condition, has improperly tightened nuts and clamps, or shows signs of slippage.

(e) Any tire has been regrooved or recut below original groove depth, except special tires which have undertread rubber for this purpose and can be identified as such.

(f) Any tire marked "for farm use only" is on other than an agricultural registered truck, or a tire is marked "off-highway use only" or "for racing only".

(g) Tires do not meet the tire tread depth and tire condition requirements of RSA 266:48 through RSA 266:52, or if the vehicle is over 10,000 pounds, and the tires do not comply with the requirements including at least 4/32" tread or regrooved tires are on the steering axle or retreaded tires are on steering axles of buses.

(h) Any safety hazard exists due to improper tire pressure or spacing.

(i) Any valve stem has cracks or is chafed from contact with the spider or rim, the valve contacts the brake drum, or the valve stem is inaccessible for taking tire pressure readings.

(j) Wheel bolts, nuts, studs, or lugs are broken, missing, damaged, or loose, or at least 1 1/2 threads are not showing on nuts.

(k) A lock ring is cracked, bent, sprung, or otherwise damaged.

(l) A wheel, rim or spider is cracked, bent, has elongated bolt holes, shows signs of rewelding, or is damaged, or the spider shows evidence of slippage on the rim

Saf-C 3228.03 Tire Flaps: Guards.

(a) All trucks and buses shall have flaps or guards pursuant to RSA 266:57.

(b) All trucks and buses shall have flaps and guards, whether home-made or manufactured, and shall be rejected if any flap or guard:

(1) Is missing or non-functional;

(2) Contains reflectors or reflectorized materials which do not conform to the laws and rules governing reflectors;

(3) Does not consist of metal protectors or flexible flaps which are strong enough to prevent stones or objects being thrown through them;

(4) Is not as wide as the tire it is designed to protect; or

(5) Is not positioned at a height which prevents spray, throw or splash of water, dirt or other matter to the rear of the vehicle.

Saf-C 3228.04 Truck, Bus and Heavy Commercial Vehicle Air Brake System Components.

(a) Each vehicle equipped with air-assisted service brakes shall be inspected. The inspection shall include the air pressure governor, air pressure build-up time, air pressure warning device, air pressure leakage, air pressure reserve, and air brake adjustment.

(b) A vehicle shall be rejected if:

(1) The governor does not cut out and pressure is released at the pressure relief valve.

(2) The governor cut out pressure is higher than 135 psi.

(3) The governor cut in pressure is lower than 80 psi.

- (4) The time required to build up pressure from the level after 1 brake application to governor cut-out pressure is more than 30 seconds if recovery time does not meet manufacturer's specifications.
- (5) The vehicle air pressure gauge does not function properly.
- (6) The air pressure warning device does not activate before pressure is lowered to 50 psi.
- (7) The air pressure warning device does not continuously operate below activation pressure.
- (8) The leakage rate with brakes released in 1 minute exceeds 2 psi for single vehicles, or 3 psi for combination vehicles.
- (9) The leakage rate with full brake application in 1 minute exceeds 3 psi for single vehicles, or 4 psi for combination vehicles.
- (10) With s-cam brakes, the push rod travel exceeds the manufacturer's specifications.
- (11) With s-cam brakes, the push rod/slack adjuster angle is more than 90 degrees with brakes applied.
- (12) With wedge brakes, there is more than 1/16th inch of brake shoe travel.
- (13) The air compressor mounting has loose, broken or missing bolts or other attaching parts.
- (14) The air tank(s) mounting device(s) such as straps, brackets, or other hardware is (are) broken, missing, or loose.
- (15) The flexible brake hoses are cracked, cut, burned, chafed, swollen in size, or hardened so that they crack or break when bent.
- (16) The rigid brake lines are cracked, broken, crimped, flattened, restricted, chafed, or improperly retained.

- (17) Any brake line or hose contacts any part of the exhaust system.
- (18) There is any audible leakage in the air brake system.
- (19) The air intake cleaner for the compressor is clogged and prevents air intake.
- (20) The air compressor drive belts are worn, frayed, or loose.
- (21) Air compressor pulleys are bent or damaged which causes belt loss.

Saf-C 3228.05 Wheel Pulling Not Required on Some Vehicles. If a truck or bus is equipped with an inspection port or dust shield which can be removed to determine the condition of the drum and the brake-block thickness, the inspector shall not be required to pull a wheel, but brakes on all wheels shall be visually inspected through the inspection ports.

Saf-C 3228.06 Reflective Warning Devices. Trucks and buses over 10,000 pounds gross vehicle weight shall be rejected if not equipped with 3 bi-directional reflective warning triangles.

Saf-C 3228.07 Bus Body: Rivets and Bolts. A bus shall be rejected if inspection of the body reveals loose rivets or bolts.

Saf-C 3228.08 Bus Body: Floor Covering. A bus shall be rejected if:

- (a) The floor covering is loose;
- (b) The floor board is worn, or there are holes in the floor board; or
- (c) The seat fastening part is missing, loose or shows signs of rotting caused by salt or other corrosive materials.

Saf-C 3228.09 Bus Body: Compartment Doors. A bus shall be rejected if an exterior compartment door:

- (a) Is not securely attached to the bus body;
- (b) Does not function properly; or

(c) Does not lock, latch or remain locked or latched.

Saf-C 3228.10 Bus Body: Service Door. A bus shall be rejected if the service door(s) fails to operate, shows evidence of binding, jamming, excessive wear or other malfunction(s), is missing, or the flexible material on the vertical edges of the service door is missing.

Saf-C 3228.11 Bus Body: Emergency Doors and Windows. A bus shall be rejected if:

- (a) Any emergency exit is not accessible;
- (b) The door release on the emergency door fails to function when activated or opens accidentally;
- (c) Push-out windows do not function;
- (d) The buzzer indicating the emergency door is open fails to function; or
- (e) The emergency exit instruction decals are missing, not legible, or do not illuminate.

Saf-C 3228.12 Bus Body: Seats. A bus shall be rejected if:

- (a) Any seat anchor bolt is missing or not securely fastened to the floor;
- (b) The seat cover material is torn or seat springs are exposed;
- (c) The seat frame or any interior metal trim or similar part is torn, has sharp edges or is in any other condition which would present a hazard to occupants.

Saf-C 3228.13 Bus Body: Stanchions and Guardrails. A bus shall be rejected if any stanchion, guardrail, grab handle or similar part is worn, or loosely fastened.

Saf-C 3228.14 Bus Heater. A bus shall be rejected if the heater does not operate.

Saf-C 3228.15 Bus Body: Stepwell. A bus shall be rejected if the stepwell at the service door entrance is in poor condition, blocked or there is loose surface material.

Saf-C 3228.16 Bus Body: Ventilation. A bus shall be rejected if the ventilation system is incapable of furnishing fresh air under operating conditions.

Saf-C 3228.17 Bus Body: Package Shelf. A bus shall be rejected if the overhead package shelf has any condition which could result in luggage or packages falling while the bus is in motion.

Saf-C 3228.18 Trucks with "I" Beam or Tube Front Axle. Vehicles with "I" beam or tube front axles shall be rejected if:

(a) Linkage is loose or if the joints are not secured with cotter pins or other devices.

(b) "U" bolts are loose or damaged, or the spring center bolt is broken or sheared.

(c) The spring leaf is broken or shifted.

(d) Steering stops allow tire to rub on frame, metal or other chassis parts.

(e) Movement at extreme front and rear or top and bottom of tire is in excess of 1/4 inch for 16 inch or less diameter road wheel; 3/8 inch for 17 or 18 inch wheels; or 1/2 inch for wheels over 18 inch diameter, with measurement taken at a point on the tire tread.

Saf-C 3228.19 Vehicles Carrying Hazardous Materials; Fire Extinguishers. Each vehicle placarded for carrying hazardous materials shall meet the following requirements for fire extinguishers:

(a) The vehicle shall be equipped with a fire extinguisher which is filled and located in an accessible place.

(b) The fire extinguisher shall be securely mounted on the vehicle and designed, constructed and maintained to permit visual determination of whether it is fully charged.

(c) The fire extinguisher shall have an Underwriters Laboratory rating of 10-B:C or more, and shall be labeled with the UL rating.

(d) The extinguisher shall be located on the power unit.

(e) If the vehicle transports explosive materials, it shall be equipped with at least 2 approved fire extinguishers filled, ready for use and located near the driver's seat, and shall have a combined rating of at least 2-A:10B:C.

Saf-C 3228.20 Fire Extinguishers.

(a) This rule, pursuant to RSA 266:60-a, shall apply to the following motor vehicles:

(1) All commercially registered motor vehicles weighing over 8,000 pounds, except municipally owned vehicles; and

(2) All motor homes and motor home trailers that have motor vehicle registrations.

(b) "Fire extinguisher", for the purpose of this rule, means a fire extinguisher that complies with Saf-C 6016.

(c) The motor vehicles listed in (a)(1) and (2) above, shall be equipped with a fire extinguisher that is in good working condition and readily accessible to the driver.

pter heading Saf-C 3200)

Saf-C 3228.21 Kingpins. Vehicles equipped with kingpins shall be rejected if the measured movement at the top or bottom of the tire is greater than 1/4 inch for 16 inch wheel size or less; 3/8 inch for 17 to 18 inch wheel size; or 1/2 inch for over 18 inch wheel size.

Saf-C 3228.22 Wheel Bearings. A vehicle with a gross vehicle weight of more than 10,000 pounds shall be rejected if wheel bearing play exceeds the manufacturer's tolerance.

Saf-C 3228.23 Steering Lash or Free-Play. A vehicle shall be rejected if the steering wheel movement exceeds that indicated in the table below:

(a) A 15 inch steering wheel has steering wheel movement of 1 3/4 inches.

- (b) A 16 inch steering wheel has steering wheel movement of 2 inches.
- (c) A 18 inch steering wheel has steering wheel movement of 2 1/4 inches.
- (d) A 20 inch steering wheel has steering wheel movement of 2 1/2 inches.
- (e) A 22 inch steering wheel has steering wheel movement of 2 3/4 inches.

Saf-C 3228.24 Air Suspension. Trucks and buses with air suspension shall be rejected if air begins to flow into the suspension system before 55 psi, or if there is any audible leakage in the air suspension system.

Saf-C 3228.25 Brake Drum Inside Diameter.

- (a) A vehicle shall be rejected if the inside diameter of the brake drum is greater than the maximum diameter stamped on the drum.
- (b) A vehicle shall be rejected for unmarked drums, if the maximum diameter is 0.090 inches greater than the original drum diameter for 14 1/8 inch and smaller drums.
- (c) A vehicle shall be rejected for larger drums, if the maximum diameter is greater than 0.120 inches.

Saf-C 3228.26 Brake Lining and Pad Wear. A vehicle shall be rejected for the brake lining or pad wear if:

- (a) Bonded linings are less than 1/32 inch at their thinnest point for vehicles 10,000 pounds gross vehicle weight rating or less, or less than 4/32 inch for vehicles of more than 10,000 pounds gross vehicle weight rating.
- (b) Riveted linings are less than 1/32 inch above any rivet head at the thinnest point for vehicles with a gross vehicle weight of 10,000 pounds or less; or 4/32 inch for vehicles with a gross vehicle weight over 10,000 pounds.
- (c) The wire in wire-backed linings is visible on the friction surface.

Saf-C 3228.27 Vacuum-Booster Power Brake System. A vehicle shall be rejected with a vacuum-booster power brake system if:

- (a) There are collapsed, broken, chafed, or improperly supported hoses and tubes, or loose or broken hose clamps.
- (b) There is insufficient vacuum reserve to permit one full brake application after the engine is shut off according to manufacturer's specifications.
- (c) On vehicles with low vacuum indicators, the indicator is activated after one full brake application after the engine is shut off.
- (d) The pedal does not move slightly as the engine is started with pressure on the brake pedal.

Saf-C 3228.28 Parking Brake System. A vehicle shall be rejected for the parking brake system if:

- (a) The parking brake control cannot be reached from the driver's seated position.
- (b) The operating mechanism fails to hold the brakes in the applied position without a manual effort.
- (c) The operating control "bottoms" before the brakes are fully applied.
- (d) The parking brakes do not fully apply and release when the driver control is operated.
- (e) A parking brake system on a vehicle manufactured after May 23, 1970, is insufficient to hold the vehicle to the limit of traction on a grade either facing forward or rearward, with the vehicle in neutral or the parking pawl disengaged. The brake shall be required to hold the vehicle on a 20 percent grade.

Saf-C 3228.29 Rear Protection Device.

- (a) Every vehicle over 10,000 pounds gross vehicle weight, except truck tractors and vehicles engaged in drive-away, tow-away operations, shall be equipped with a rear end protection device if the chassis assembly, when unloaded, has a clearance at the rear end of more than 30 inches above the ground.
- (b) The base of the rear end protection device shall not exceed 30 inches off the ground and shall be at least within 18 inches of each side of the vehicle.

(c) This rule shall not apply to vehicles constructed and maintained so the body, chassis or other part of the vehicle affords protection to the rear end.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3229 TRAILERS AND SEMI-TRAILERS

Saf-C 3229.01 Inspection Required.

(a) All trailers, semi-trailers and full trailers except those with a registered weight of less than 3,000 pounds shall be inspected.

(b) Trailers shall comply with the provisions of RSA 266:30 pertaining to brakes, and RSA 266:63 pertaining to safety chains or cables.

(c) Pursuant to RSA 266:60-a and Saf-C 3227.20, all motor home trailers that have a motor vehicle registration, shall be equipped with a fire extinguisher, as defined by Saf-C 3227.20(b), that is in good working condition and readily accessible to the driver.

Saf-C 3229.02 Inspection Period.

(a) All trailers required to be inspected shall be inspected annually during the owner's month of birth if a natural person, or the month specified in Saf-C 3202.05, if other than a natural person.

(b) Any trailer registered by a new owner shall be inspected within 10 days of registration.

Saf-C 3229.03 Trailer, Semi-Trailer and Full Trailer Brakes. All trailers, semi-trailers and full trailers shall be rejected if:

(a) The brakes are not adequate to control and stop the trailer.

(b) The brakes do not automatically apply and hold the trailer on a 20 percent grade for at least 15 minutes, if a breakaway occurs;

- (c) The brakes do not apply at the same time as the service brake of the towing vehicle, or are so adjusted to commence braking before the service brake of the towing vehicle;
- (d) The brakes do not brake at a faster rate than the service brakes of the towing vehicle when applied;
- (e) The brakes are not adjusted to prevent side-sway of the trailer, semi-trailer or full trailer during braking;
- (f) The brake linings are worn below 1/32 of an inch for any trailer under 10,000 pounds or 4/32 inch for any trailer over 10,000 pounds;
- (g) Any brake line, hose or electrical components are defective.

Saf-C 3229.04 Trailer or Semi-Trailer Parking Brake (Air Brakes Only). A trailer with air brakes shall be rejected if:

- (a) The trailer brakes do not fully apply and release when the driver control is operated.
- (b) The trailer brakes do not automatically apply when the air pressure is 45 or less psi.
- (c) The trailer brakes automatically apply at a pressure above 45 psi.
- (d) The trailer brakes do not automatically apply when the trailer connecting hoses are disconnected.
- (e) There is any detectable leakage back through the trailer connecting hoses after disconnection.

Saf-C 3229.05 Anti-Lock System. A trailer shall be rejected if the anti-lock device light does not glow momentarily with the ignition on or during cranking, or if it stays on for more than one minute after starting.

Saf-C 3229.06 Air Disc Brakes - Tractor/Trailer. A vehicle with heavy duty air-activated disc brakes shall be rejected if:

- (a) The slack adjustment or air chamber stroke cannot be brought within manufacturer's recommended tolerances, or if the brakes are worn.
- (b) The air chamber stroke does not fall within the manufacturer's recommended tolerances.

Saf-C 3229.07 Emergency Brakes. A trailer shall be rejected if the:

- (a) Emergency brakes do not apply automatically when breakaway safety mechanism is operated; and
- (b) Emergency brakes do not release when the breakaway safety mechanism is returned to the normal position.

Saf-C 3229.08 Taillamps, Clearance Lamps, Reflectors. A trailer shall be rejected if it fails to comply with the tail lamp and reflector requirements of RSA 266:43 through 266:45 and the clearance lamp requirements of RSA 266:40 or has broken, obscured or improperly mounted lenses.

Saf-C 3229.09 Brake Wiring Connections. A trailer shall be rejected if:

- (a) The wiring connections are not made through matched connectors; or
- (b) The wiring is worn, in poor condition, improperly installed, or in a location which could cause damage.

Saf-C 3229.10 Tire Flaps and Guards. A trailer shall be rejected if it does not meet the requirements of RSA 266:57.

Saf-C 3229.11 Tires. A trailer shall be rejected if any tire fails to meet the requirements of RSA 266:47 through 266:53.

Saf-C 3229.12 Stop Lights and Turn Signals. A trailer shall be rejected if it is not equipped with stop lights and turn signals.

Saf-C 3229.13 Landing Gear. A semi-trailer or full trailer shall be rejected if landing gear parts are broken or missing, or if landing gear is not operating properly.

Saf-C 3229.14 Rear End Protection. A semi-trailer or full trailer shall be equipped with a bumper or rear end protection which shall be a maximum of 30 inches off the ground and within at least 18 inches of each side.

Saf-C 3229.15 Body and Frame. A trailer shall be rejected if flooring and floor beds are not able to support occupants and cargo, or if the frame is not solid.

Saf-C 3229.16 Dimensions, Requirements.

(a) All trailers shall comply with the height, length and width requirements of RSA 266:11, and RSA 266:12.

(b) Vehicles shall be rejected if they exceed 13 feet 6 inches in height, 102 inches in width and 53 feet in length for a semi-trailer or 28 feet for a full trailer, unless the owner displays a valid over dimension permit issued by the department of transportation.

Saf-C 3229.17 Trailer Towing Equipment.

(a) Vehicles used to tow house trailers shall be rejected if the vehicle does not have a solid, permanent coupling device attached to the frame which is free of wear, and which is a locking type of device if possible;

(b) A trailer shall be rejected if not equipped with safety chains as required by RSA 266:63.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3230 BASIC MOTORCYCLE INSPECTION STATION REQUIREMENTS

Saf-C 3230.01 Motorcycle Inspection Period. All motorcycles shall be inspected by July 1 of each year except newly registered motorcycles shall have a period of 10 days in which to obtain an inspection.

[Top of Page](#)

PART Saf-C 3231 MOTORCYCLE STEERING, ALIGNMENT AND SUSPENSION

Saf-C 3231.01 Inspection Required. The steering system of all motorcycles shall be inspected to determine if the steering system is maladjusted or worn.

Saf-C 3231.02 Suspension. Motorcycles shall be equipped with a suspension system on at least the front wheel. Suspension systems shall be effective in reducing road shock and designed to maximize vehicle stability.

Saf-C 3231.03 Wheel Alignment. The rear wheel of a two wheel motorcycle shall track behind the front wheel within plus or minus one inch to either side where both wheels lie in a vertical plane.

Saf-C 3231.04 Steering Head. The steering head shall be provided with a bearing or similar device allowing the steering shaft to turn freely in rotating fashion.

Saf-C 3231.05 Front Wheel Geometry. All motorcycles shall meet the following specifications for the front wheel geometry:

- (a) Maximum rake - 45 degrees
- (b) Minimum rake - 20 degrees
- (c) Maximum trail - 14 inches positive
- (d) Minimum trail - 2 inches positive
- (e) Paragraphs (b) and (d) shall not apply to three wheel motorcycles.

Saf-C 3231.06 Handlebars or Grips. The handlebars or grips of each motorcycle shall be no more than 15 inches higher than the operator's seat or saddle in accordance with RSA 266:77.

Saf-C 3231.07 Handlebars.

- (a) Motorcycle handlebars shall provide leverage for steering, and be capable of withstanding a minimum force of one hundred pounds applied to each handgrip in any direction.
- (b) Handlebars shall not restrict the front fork movement and shall be capable of vertical adjustment.
- (c) Handlebars shall provide a minimum of 18 inches between ends after final assembly.

Saf-C 3231.08 Handgrips. Handlebars shall be equipped with grips of non-slip materials.

Saf-C 3231.09 Wheel Tracking Alignment.

- (a) A motorcycle shall be rejected if the wheel tracking alignment deviates from the following requirements by more than one inch in any direction.
- (b) The wheels of a two wheel motorcycle shall track in the same plane when the vehicle is traveling along a straight line.
- (c) The line of traction of the rear wheels of any three wheel motorcycle shall be perpendicular to the axle on which they are mounted.
- (d) The line of traction of the rear wheels of any three wheel motorcycle shall be parallel to the front wheel.
- (e) A motorcycle shall be rejected if it is not equipped with an adjustment feature that provides wheel tracking.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3232 SHOCK ABSORBERS

Saf-C 3232.01 Shock Absorbers. Motorcycles shall be rejected if inspection reveals any shock absorber is missing or shows signs of oil leakage, other than slight dampness, worn, destroyed or missing rubber bushings; or any broken, loose or missing mounting.

[Top of Page](#)

PART Saf-C 3233 BRAKES

Saf-C 3233.01 Inspection of Service Brake. Motorcycles shall be rejected if an inspection reveals any of the following conditions:

- (a) The operator is unable to maintain brake pedal height under moderate foot force for one minute.
- (b) Less than 1/5 of the total available pedal travel remains when the pedal is depressed under moderate foot force.
- (c) Any drum, disc or rotor has been turned down in excess of the manufacturer's recommendation.

- (d) Brake linings or pads are contaminated to the extent that the brakes operate improperly.
- (e) Brake drums or discs show external cracks on the friction surfaces which extend to the edge of the bore or periphery of the disc, or any mechanical damage to the friction surface other than wear.
- (f) Fluid level in the master cylinder is below the half full point.
- (g) Leakage at the master or wheel cylinder.
- (h) Hydraulic hoses or tubing are missing, worn or cracked.
- (i) Mechanical parts are missing, broken or worn.
- (j) High friction in pedal and linkage or in brake components.
- (k) Brake operating levers are improperly positioned or misaligned.
- (l) Brake pads or shoes worn to 1/32 of an inch at the thinnest point or 1/32 of an inch to a rivet.
- (m) Any wheel fails to indicate braking action during inspection.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3234 INSTRUMENTATION

Saf-C 3234.01 Odometer. Motorcycles shall be rejected if inspection of the odometer reveals any of the following:

- (a) The motorcycle is not equipped with an odometer, except as specified in RSA 215-A:39.
- (b) The odometer has been tampered with or altered.
- (c) The odometer does not work.

(d) The odometer is not tamper-resistant as required by RSA 266:60, if manufactured after January 1, 1972.

Saf-C 3234.02 Speedometer. Motorcycles shall be rejected if inspection of the speedometer reveals any of the following:

(a) The motorcycle is not equipped with a speedometer, except as allowed by RSA 215-A:39.

(b) The speedometer does not work.

(c) The speedometer has been tampered with or altered.

(d) The speedometer is not tamper-resistant as required by RSA 266:60, if manufactured after January 1, 1972.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3235 MOTORCYCLE ELECTRICAL SYSTEM

Saf-C 3235.01 Horn. Motorcycles shall be rejected if inspection of the horn reveals any of the following:

(a) The horn is not securely fastened to the vehicle in the appropriate location.

(b) The horn cannot be heard by a person 200 feet away from the motorcycle.

(c) The button which operates the horn does not operate.

(d) The button which operates the horn is not within reach of the operator.

(e) The motorcycle is not equipped with a horn, as required by RSA 266:54.

Saf-C 3235.02 Wiring and Switches. Motorcycles shall be rejected if inspection of wiring and switches reveals any of the following:

(a) Any electrical switch is not in good condition or is not attached.

- (b) Any electrical switch does not work.
- (c) Any portion of the electrical wiring is in poor condition.
- (d) The wiring is improperly installed.
- (e) Any connection is not tight or shows sign of wear.
- (f) There is any sign of burning or short circuiting.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3236 MOTORCYCLE WHEELS AND TIRES

Saf-C 3236.01 Tire Pressure. Tire pressure shall be checked with an air pressure gauge and a motorcycle shall be rejected if inflation pressures are below those recommended by the manufacturer.

Saf-C 3236.02 Cord Exposure. A motorcycle which has any tire with a worn spot that exposes the cord through the tread shall be rejected.

Saf-C 3236.03 Fabric Breaks, Cuts, Repairs With Blowout Patches or Boots. A tire shall be rejected if it has:

- (a) A fabric break, or a cut in excess of one inch in any direction as measured on the outside of the tire and deep enough to reach the body cords;
- (b) Been repaired temporarily by the use of blowout patches or boots;
- (c) Any bump, bulge, or knot related to separation or partial failure of the tire structure;
- (d) Any portion of the ply or cord structure exposed; or
- (e) A portion of the tread design that is worn and affects the traction and stopping ability of the tire.

Saf-C 3236.04 Tread Depth.

(a) A tread depth measuring gauge shall be used to measure tread depth. Readings shall be taken in the major tread groove nearest to the center of the tire, at 2 points along the circumference of the tire, not closer than 15 inches.

(b) If a tire has the tread design running across the tire or is a siped tire, readings shall be taken at or near the center of the tire at 2 points along the circumference of the tire, not closer than 15 inches.

(c) A motorcycle shall be rejected if the tread depth readings show that there is less than 2/32 of an inch tread design at both points where tread depth measurements were made, as required by RSA 266:51.

Saf-C 3236.05 Regrooved Tires. Motorcycles shall not be equipped with regrooved tires.

Saf-C 3236.06 Wheels. A motorcycle shall be rejected if any part of the wheel is bent, cracked, rewelded, damaged, has any loose or broken spokes or any other defect capable of adversely affecting the operation of the motorcycle.

Saf-C 3236.07 Tire Width Restricted. No motorcycle shall be equipped with any tire or wheel assembly which extends, in an outward direction, beyond the original manufacturer's specified fender lines.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3237 MOTORCYCLE FUEL SYSTEM

Saf-C 3237.01 Fuel System. Motorcycles shall be rejected if inspection of the fuel system reveals any of the following:

(a) There is vapor or fuel leakage in any part of the fuel system due to wear or deterioration.

(b) Any part of the fuel system is not securely fastened.

(c) The fuel system is not equipped with a fuel filler cap.

(d) The fuel line is positioned in a manner that it contacts the engine head, manifold, exhaust system, other high temperature surfaces, or moving parts.

(e) The fuel system is not vented.

(f) It is not equipped with a fuel cutoff valve.

[Top of Page](#)

PART Saf-C 3238 MOTORCYCLE EXHAUST SYSTEM

Saf-C 3238.01 Modification of Exhaust System. No motorcycle exhaust system shall be modified so that noise emissions are louder than the manufacturer's specifications for original equipment, and no deviation from the original line-of-exhaust shall be permitted.

Saf-C 3238.02 Muffler Jackets or Flexible Pipe Prohibited. There shall be no muffler jackets or flexible pipe used in exhaust systems. Self-sealing, flexible pipe may be used if standard pipe is not available.

Saf-C 3238.03 Noise Limits.

(a) Inspection stations shall use decibel meters to measure muffler noise emissions.

(b) Motorcycles shall be rejected if inspection of the noise level reveals either of the following:

(1) For one and 2 cylinder motorcycles, the motorcycle has a measured noise level of more than 106 decibels on the decibel meter, when measured 20 inches from the exhaust pipe at a 45 degree angle while the engine is operating at 2,800 revolutions per minute; or

(2) For 3 or more cylinder motorcycles, the motorcycle has a measured noise level of more than 106 decibels on the decibel meter, when measured 20 inches from the exhaust pipe at a 45 degree angle while the engine is operating at 3,500 revolutions per minute.

Saf-C 3238.04 Exhaust System. Motorcycles shall be rejected if inspection of the exhaust system reveals any of the following:

(a) The motorcycle has no muffler.

- (b) There are holes, rusted or worn surfaces on the muffler, resonator, exhaust pipes, heat shields or supporting hardware.
- (c) There are loose or leaking joints, seams or damaged baffles inside the muffler.
- (d) Any portion of the exhaust system is not securely fastened to the motorcycle.
- (e) The exhaust system has been modified.
- (f) The tail pipe end is pinched or damaged.
- (g) Heat shielding is not present in areas where contact could be made by the driver or passengers in a seated position.
- (h) Excessive noise emission, or a muffler cutout, bypass or similar device which causes excessive noise.
- (i) The exhaust system emits fumes, smoke, flame, gas, oil, or fuel residue in violation of RSA 266:59, II.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3239 SPARK ARRESTERS

Saf-C 3239.01 Spark Arresters. A motorcycle shall be rejected if the motorcycle was originally equipped with a spark arrester, and it has been removed or has been replaced with other than U.S. Forest Service approved equipment.

[Top of Page](#)

PART Saf-C 3240 GLASS AND GLAZING

Saf-C 3240.01 Discolored Glass. Motorcycles shall be rejected if inspection of the windshield reveals the glass is discolored to the extent that the driver's clear view is restricted to less than 200 feet ahead of the motorcycle.

[Top of Page](#)

PART SAF-C 3241 REAR VIEW MIRRORS

Saf-C 3241.01 Rear View Mirror. Motorcycles shall be rejected if the rear view mirror is found to have any of the following conditions:

- (a) It is not equipped with a rear view mirror.
- (b) It is loosely mounted to the extent that rear vision is impaired.
- (c) It is mounted in a position so that it cannot be adjusted from the driver's seat.
- (d) Rear vision is obscured because the glass is cracked, pitted, or clouded.
- (e) It has sharp edges.
- (f) It is less than 2 inches in diameter.

[Top of Page](#)

PART Saf-C 3242 OTHER MOTORCYCLE EQUIPMENT

Saf-C 3242.01 Other Equipment. Motorcycles shall be rejected if inspection reveals any of the following:

- (a) A drive chain which is not equipped with a chain guard or covering device to prevent chain contact with the operator or passenger.
- (b) It is designed to carry more than one person and does not have a handhold equivalent to manufacturer's specifications.
- (c) It is not equipped with footrests for each person which the motorcycle is designed to carry.
- (d) It has footrests which are not accessible to a passenger's feet, or a footrest which does not fold to the rear or upward where the footrests protrude beyond the width of any part of the motorcycle frame or motor.

(e) If equipped with highway bars that have a width greater than 32 inches, are located 15 inches or more from the foot controls, or interfere with the operation of the foot controls.

[Top of Page](#)

PART Saf-C 3243 LIGHTS AND LIGHTING

Saf-C 3243.01 Turn Signal. Motorcycles shall be rejected if inspection of the turn signal lamp system reveals any of the following:

(a) Any turn signal lamp is:

- (1) Not a type compatible with the original equipment;
- (2) Not in a position specified by the manufacturer;
- (4) Not functioning properly;
- (5) Not properly directed; or
- (6) Obscured.

(b) Any operating unit is:

- (1) Not a type compatible with the original equipment;
- (2) Not functioning properly; or
- (3) Equipped with a self-canceling mechanism, which functions improperly.

Saf-C 3243.02 Emergency Lights. Motorcycles shall be rejected if the inspection of emergency lights reveals any of the following:

- (a) The vehicle is equipped with emergency lights in violation of RSA 266:74.
- (b) The emergency lights do not comply with the color requirements of these rules.
- (c) The emergency lights do not comply with the location requirements of these rules.

Saf-C 3243.03 Lamps. Motorcycles shall be rejected if inspection of a lamp reveals any of the following:

- (a) Any bulb or sealed beam unit fails to light or function properly.
- (b) The turn signal lamps fail to properly light when the turn signal lever is moved to the on position.
- (c) A lamp shows a color not permitted by law.
- (d) A lamp fails to light the proper filament when switched on.
- (e) Any lamp or reflector does not direct light in the proper direction.
- (f) Auxiliary equipment is placed on, in or in front of any lamp.
- (g) Any lamp assembly, or parts thereof, is improperly fastened or installed.
- (h) Any lamp has a cracked, broken or missing lens or reflex reflector.
- (i) Any lamp or reflex reflector is not a type compatible with the original equipment.

[Return to Beginning of Section](#)

[Top of Page](#)

PART Saf-C 3244 HEADLAMP AIM

Saf-C 3244.01 Foglamp and Auxiliary Lamp Aim. Motorcycles shall be rejected if the center of the high intensity zone is not within the limits established for vertical or horizontal limits of the respective headlamp low beam.

[Top of Page](#)

PART Saf-C 3245 MOTORCYCLE BODY OR CHASSIS

Saf-C 3245.01 Damage. Motorcycles shall be rejected if inspection of body damage reveals any of the following:

- (a) The body components or sheet metal exhibits any condition which would present a safety hazard such as tears, sharp edges, or protruding areas.
- (b) Any fender is missing or installed in a way that affords inadequate protection from road debris or interferes with safe operation of the motorcycle.
- (c) Any weld or structural component of the frame assembly is cracked or broken.

[Top of Page](#)

PART Saf-C 3246 STREET RODS

Saf-C 3246.01 Inspection Required. All street rods shall be inspected annually during the month of April except newly registered street rods shall have a period of 10 days in which to obtain an inspection.

Saf-C 3246.02 Verification of Information. Prior to inspecting the vehicle, the inspector shall perform an examination of the vehicle registration as set forth in Saf-C 3212. Included in this examination shall be a review and comparison of the certificate of verification issued for the vehicle.

Saf-C 3246.03 Steering, Front End and Suspension.

(a) A vehicle shall be rejected if:

- (1) The vehicle does not meet the requirements set forth in Saf-C 3213.07 except that the suspension may be altered if the alteration equals, improves or enhances the safety aspects of the original equipment;

- (2) The diameter of the steering wheel is less than 13 inches; or,
- (3) The ground clearance does not conform with RSA 266:113,IV.

Saf-C 3246.04 Brakes and Parking Brake.

(a) A vehicle shall be rejected if:

- (1) In a road test, the vehicle fails to meet the requirements set forth in RSA 266:28;
- (2) Inspection of the brake pedal reserve shows that less than 1/5 of the total service brake pedal travel remains when the pedal is depressed and held, or if the pedal height cannot be maintained for 10 seconds under moderate foot-force by the brake pedal;
- (3) The brake lines are made of copper or are not made of steel or material of equivalent strength; or
- (4) The vehicle fails to meet the requirements set forth in Saf-C 3214.02 (c),(e),(o),(s),(t),(u),(x), (y).

Saf-C 3246.05 Odometer. A vehicle shall be rejected if the odometer is not working properly. Verification that the odometer is working properly shall be done by comparing the current mileage reading with the mileage indicator on the old inspection sticker on the vehicle.

Saf-C 3246.06 Speedometer. A vehicle shall be rejected if it is not equipped with a speedometer, the speedometer is not working properly or has been tampered with.

Saf-C 3246.07 Transmission.

(a) A vehicle shall be rejected if it does not have a functional reverse gear which enables the vehicle to be backed under power.

(b) If a vehicle is equipped with an automatic transmission, the vehicle shall be rejected if:

(1) The transmission shift level sequence does not have the neutral position placed between the forward and reverse drive position;

(2) The transmission shift pattern is not visible within the area of the shift lever or within the driver's view of the instrument panel; or

(3) The vehicle moves on a grade with the transmission in the park position.

Saf-C 3246.08 Electrical System. A vehicle shall be rejected if:

(a) The horn does not meet the specifications set forth in Saf-C 3216.01;

(b) The starter on a vehicle equipped with an automatic transmission operates when the transmission shift lever is in any position other than park or neutral; or

(c) Any part of the electrical system shows signs of burning, short-circuiting, bare or uninsulated wires.

Saf-C 3246.09 Lights and Lighting.

(a) A vehicle shall be rejected if:

(1) Any turn signal lamp or operating unit:

a. Is not functioning properly;

b. Is not properly directed;

c. Is obscured;

d. If so equipped, the self-canceling mechanism is not functioning properly.

(2) The vehicle is equipped with emergency lights which are not in conformance with the requirements in Saf-C 3217.02(a);

(3) The vehicle fails to meet the requirements set forth in Saf-C 3217.03(a)-(i), and (m);

(4) The vehicle is equipped with auxiliary driving lamps and fog lamps which are not in conformance with the requirements of Saf-C 3217.04; or

(5) The vehicle fails to meet the requirements set forth in part Saf-C 3218.

Saf-C 3246.10 Glass, Glazing and Mirrors.

(a) A vehicle shall be rejected if:

(1) The vehicle is not equipped with safety glass with the proper ASI, AS 10 or DOT code number, or lexan pursuant to RSA 266:113,II(e).

(2) The inside rear view mirror is loose so that rear vision is impaired;

(3) The mirror is located in a position that does not give the driver a clear view of the highway at least 200 feet to the rear of the vehicle;

(4) The mirror is cracked, broken or has sharp edges, or will not stay in a set position when adjusted;
or

(5) The vehicle fails to meet the requirements set forth in Saf-C 3219.06, Saf-C 3219.08 and Saf-C 3219.09.

(b) If the vehicle has a blocked rear view, the vehicle shall be exempt from having a rear view mirror if the vehicle is equipped with an outside mirror allowing the driver a clear view of the highway at least 200 feet to the rear of the vehicle.

Saf-C 3246.11 Wipers and Defroster. A vehicle shall be rejected if:

(a) The vehicle is not equipped with an electric or vacuum windshield wiper located in front of the driver's view as required by RSA 266:113,II(f);

- (b) The wiper blade fails to clear the windshield;
- (c) The rubber section of the blade is worn or missing; or
- (d) The vehicle fails to meet the requirements set forth in Saf-C 3219.11.

Saf-C 3246.12 Exhaust System.

- (a) The exhaust system, including the exhaust pipe, muffler, resonator, catalytic converter, tailpipe, hangers, brackets, and all other component parts shall be inspected for leakage, improper fastening, and proper operation.
- (b) All vehicles shall be equipped with a muffler or mufflers in good working condition.
- (c) A vehicle shall be rejected if:
 - (1) The vehicle fails to meet the requirements set forth in Saf-C 3220.01(d); or
 - (2) There is an inside the vehicle, operator controlled device such as a muffler cut-out or muffler by-pass which amplifies or increases the noise emitted by the muffler.
- (d) Vehicles with an outside exhaust system shall meet the following requirements:
 - (1) The muffler shall be installed according to the manufacturer's specifications and shall be in good working order and shall not give off fumes, smoke, flame, gas, oil or fuel residue;
 - (2) No exhaust gases shall enter the passenger compartment;
 - (3) Any flexi-type exhaust piping used shall be self-sealing, free of leaks, holes, patches or defects, properly fastened to the vehicle and used only on the exhaust side of the emission control system;
 - (4) As required by RSA 266:113, III, the exhaust point shall be to the rear of the rear edge of the front door and such system shall exit exhaust gases away from the vehicle.

Saf-C 3246.13 Fuel System.

(a) A vehicle shall be rejected if:

- (1) There is a vapor or fuel leakage anywhere within the system;
- (2) Any part of the fuel system is not securely fastened;
- (3) The fuel system is not equipped with a fuel filler cap which conforms to the fuel tank manufacturer's specifications; or,
- (4) Any part of the fuel lines are made of plastic, clear or solid in color.

(b) For vehicles with the fuel tank located within the trunk area, a vehicle shall be rejected if the fuel tank is not equipped with a sealed gas cap and a spill-proof vent system which has its discharge opening outside of the car body.

Saf-C 3246.14 Vehicle Body and Chassis.

(a) A vehicle shall be rejected if:

- (1) The vehicle fails to meet the requirements set forth in Saf-C 3222.01(a), (c), (d), and (g);
- (2) Any part of the transmission is missing or not properly functioning; or
- (3) The vehicle fails to meet the requirements set forth in Saf-C 3222.03 and Saf-C 3222.06.

(b) Hood or carburetor air scoops may be installed on vehicles, but shall meet the requirements set forth in Saf-C 3222.07(a)-(e).

Saf-C 3246.15 Seat Belts. Pursuant to RSA 266:113, II(c), a vehicle shall be rejected if the vehicle is not equipped with a securely anchored federal motor vehicle safety standard seat belt for all occupants of the vehicle.

Saf-C 3246.16 Tire and Wheels. A vehicle shall be rejected if:

- (a) The vehicle does not meet the requirements of Saf-C 3213.01;
- (b) The tread depth measured in a major tread groove nearest the center of the tire is less than 2/32 inch;
- (c) The vehicle is equipped with one or more regrooved tires pursuant to RSA 266:47;
- (d) Radial and bi-ply tires are on the same axle;
- (e) Different size tires are on the same axle, except for US and metric sizes of compatible construction, dimensions and load capacity;
- (f) Tires on the vehicle are marked "for farm use only", "off highway use only" or "racing only";
- (g) Wheel bolts, studs or lugs are loose, missing or damaged; or
- (h) Any part of the wheel is bent, cracked, rewelded, damaged or has elongated bolt holes that affects operation.

[Return to Beginning of Section](#)

[Top of Page](#)