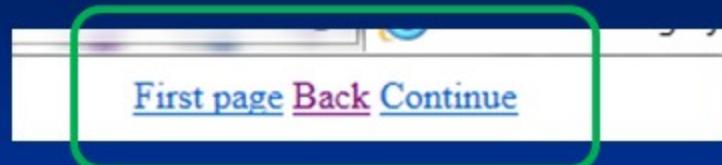


Group 1
(Light/Medium Duty)
Inspector Certification
Training Material

Presentation Guide



1 - TABS - The browser tab at the top of each slide contains a title identifying the topic.



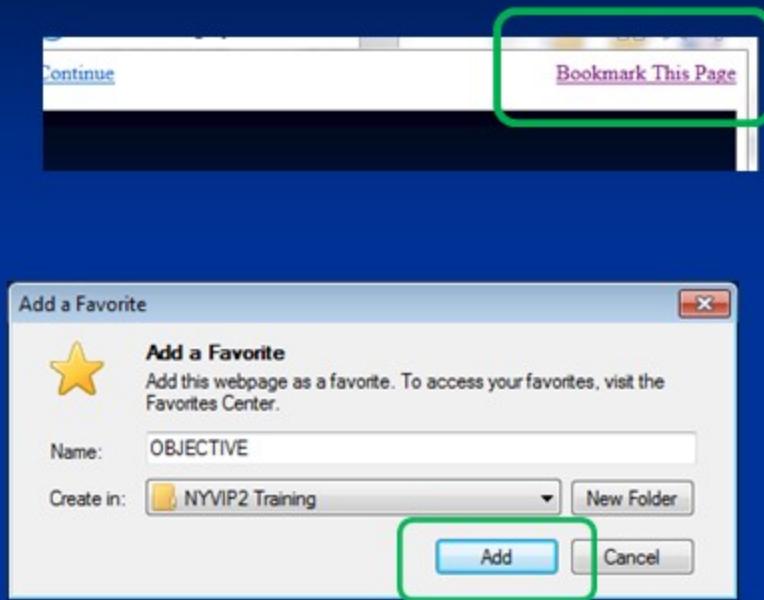
2 - NAVIGATION – Along the top of each slide (below the browser tab) there are three controls (First page, Back, and Continue) . First page will return you to the first slide in the presentation. Back will take you the previous slide. Continue will take you to the next slide.

3 - LINKS – Throughout the training slides you will find links that you can CLICK -ON to bring you to the related section(s) of the Commissioner's Regulations – Part 79.

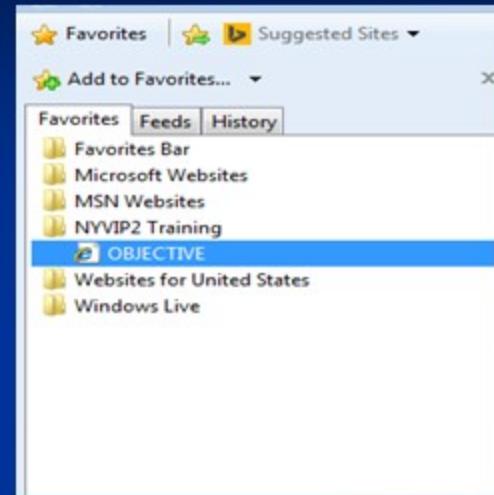
Click to See Regulation 79.21(c)(1)

**Click to See Regulation
79.21(c)(2), 79.21(c)(3), 79.21(c)(4),
79.21(c)(5) & 79.21(c)(6)**

Presentation Guide Cont'd



1 - BOOKMARKING A SLIDE - Click-on "Bookmark This Page" at the top right corner of any slide. Next, click-on "Add" to save your Bookmark.



2 - RETURNING TO BOOKMARKED SLIDES – Open your browser's Favorites (Internet Explorer shown here). Select the slide that you wish to return to.

NOTE: If prompted for credentials, enter your Applicant ID # and Password used to register for the training.

OBJECTIVE

To train you to do proper New York State safety,
low enhanced emissions, OBD II & diesel
opacity (smoke meter) emissions inspections
covering vehicles up to 18,000 pounds.

This presentation will focus on 1980 AND NEWER
vehicles. If you are inspecting an older model vehicle,
refer to the commissioner's regulations as there may be
different requirements.

Inspector Card

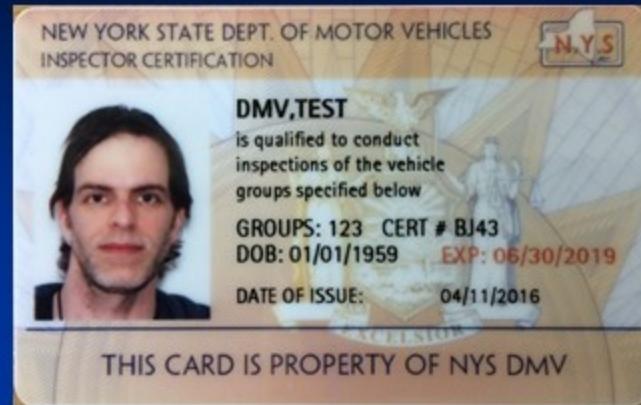
Inspection Groups

Group 1 – Vehicles up to 18,000 pounds—safety, low enhanced emissions, OBD II and diesel opacity (smoke meter) emissions test

Group 2 – Vehicles over 18,000 pounds (heavy duty) safety and diesel opacity (smoke meter) emissions

Group 3 – Motorcycles – safety only

**PENALTIES FOR
IMPROPER INSPECTIONS
CAN INCLUDE
SUSPENSION,
REVOCATION AND
FINES !!!**



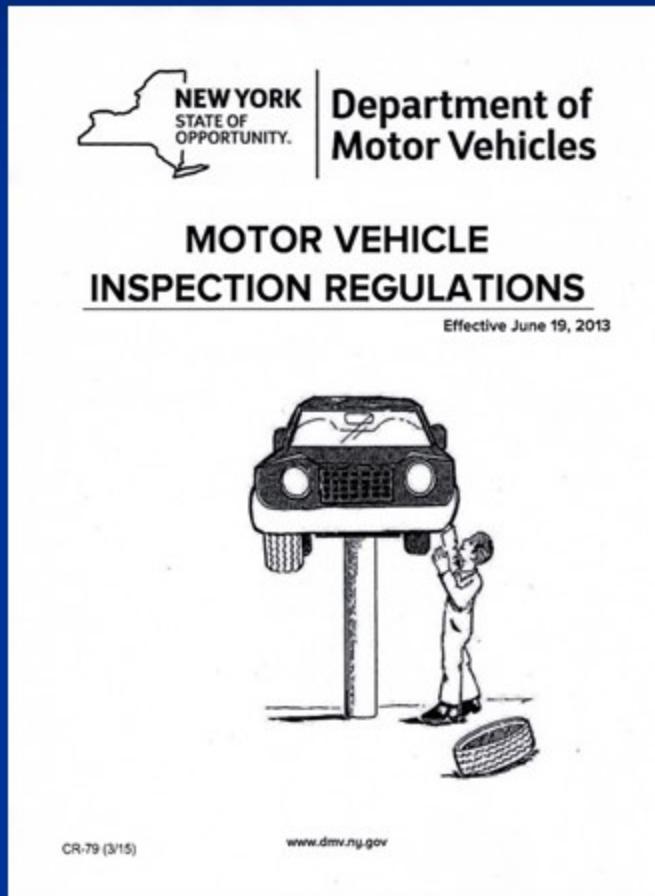
An inspector is required to:

- Safeguard inspector card and password at all times.**
- Have possession of card at all times during working hours.**

Remember, YOU are personally responsible for any inspection performed using your card.

Click to See Regulation 79.1(l) & 79.14(b)

Commissioners Inspection Regulation Book



Each station must have an up to date copy of the
COMMISSIONERS REGULATIONS (CR – 79).

Regulations must be made available by the station
for review at all times by the certified inspector(s).

Contact DMV for assistance:

Technical Services (518) 474-5282 (option #4)

Clean Air (518) 473-0597 (option #4)

Copies of the regulations, regulation updates, and
other DMV forms are available on the internet at:

<http://dmv.ny.gov/forms/cr79.pdf>

Click to See Regulation 79.8(b)(4)

Required Equipment

Every Group 1 station must have:

- A tire tread depth gauge
- A paper punch which makes a $\frac{1}{4}$ " ROUND hole
 - Tire pressure gauge
- CVIS unit (Computerized Vehicle Inspection System)

Stations located in the DEMA (Diesel Emissions Metropolitan Area) that wish to perform diesel opacity emissions inspections must also have an approved diesel opacity tester (smoke meter).

Which Vehicles Are Required To Be Inspected ?

Every motor vehicle and trailer registered in this State is required to be inspected once every 12 months, prior to midnight on the last day of the month punched out on the existing certificate.

ALSO

Upon the sale or transfer of a motor vehicle, any certificate of inspection issued prior to the date of the sale or transfer becomes invalid.

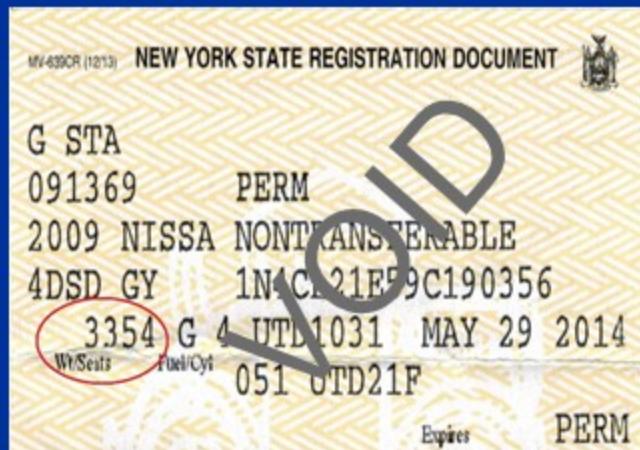
Every motor vehicle and trailer must be inspected upon any change of the registered owner.

Click to See Regulation 79.2 (a), 79.2 (b), & 79.2 (c)

Effect Of Vehicle Weight On Inspection

Maximum Gross Weight - MGW – Is the weight listed on the vehicle's NYS registration receipt. The MGW is used to determine the appropriate SAFETY inspection.

MGW
Found on
NYS
registration
receipt



Click to See Regulation 79.1(c)

Effect Of Vehicle Weight On Inspection (continued)

Gross Vehicle Weight Rating - GVWR – Is listed on a federally mandated label found on the driver's door or door post.

GVWR is used to determine:

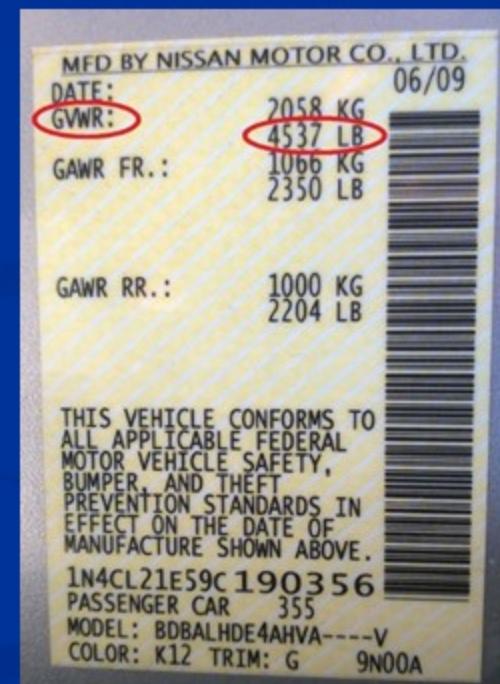
If a GASOLINE powered vehicle is required to have, either a LOW ENHANCED or OBD II emissions inspection.

If a DIESEL POWERED vehicle is required to have an OBDII or Opacity (Smoke Meter) emissions inspection.

Note: Certain diesel powered vehicles are subject to a diesel Opacity (Smoke Meter) emissions inspection, per NYS DEC regulations.

GVWR

Found on mfg. label
in driver's door jamb



Click to See Regulation 79.24(a)(1)(i) & 79.24(a)(3)(i)

Making Sure The Correct Inspection Is Performed

NOTE: In most cases, the CVIS will determine the correct type of inspection to be performed. Ultimately, the Certified Inspector is responsible for making accurate entries into the CVIS, so that the correct type of inspection is performed. If you find that you are unclear about how to proceed, contact the DMV Office of Clean Air in Albany, for assistance at: (518) 473 – 0597 and select option #4.

Note On Inspection Procedure In General:

All inspections, except brake equalizations tests, must be conducted within the enclosed portion of the premises of the official inspection station conducting the inspection. (inside the building)

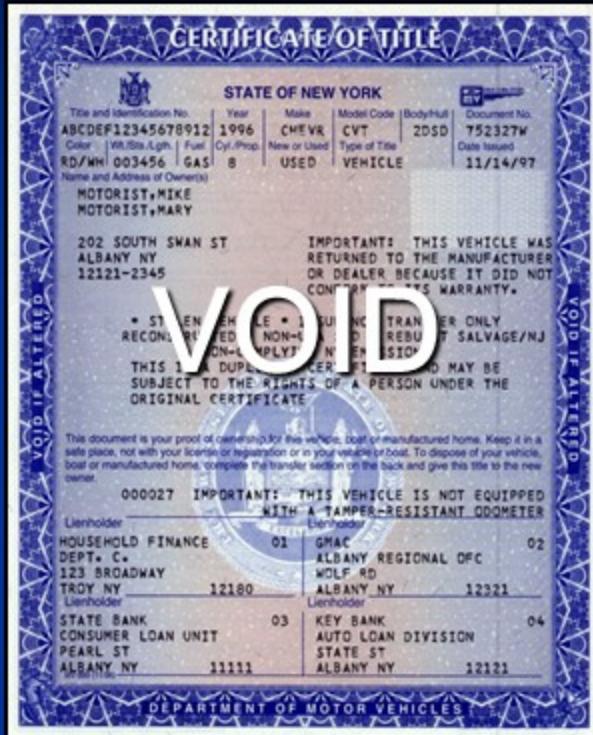
Ownership Documents - Registration

Can be N.Y. or out-of-state

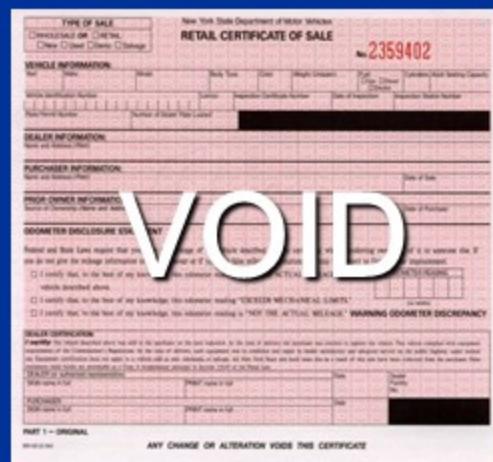


Click to See Regulation 79.20(c)(1)

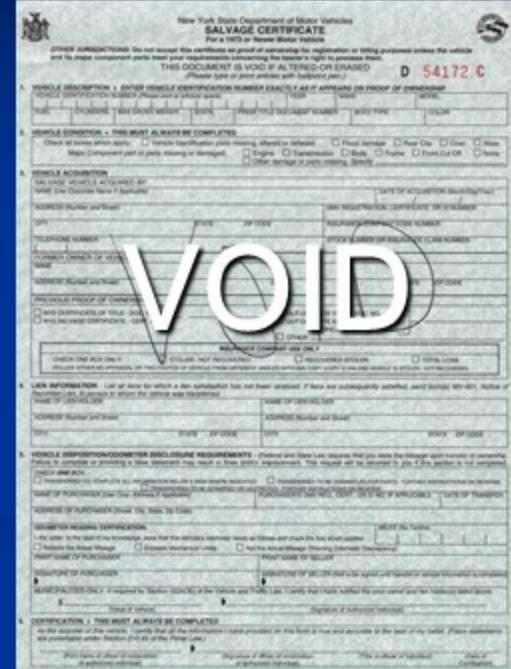
Other Ownership Documents



**Title certificate
(can be NY or out-of-state)**



MV-50



MV-907A

Click to See Regulation 79.20(c)(1)

Vehicle Inspection Records

Stations equipped with the CVIS unit will keep all inspection records in the CVIS unit computer except safety / diesel opacity (smoke meter) emissions inspections done by a station located in the DEMA (9 Downstate Counties).

Stations NOT equipped with the CVIS unit will keep all records of inspections on the appropriate VS-1074 form.

See your copy of the Commissioner's Regulations for additional information on record keeping requirements.

Click to See Regulation 79.12(a)

Vehicle Inspection Records (cont'd)

VS-1074 Forms

This is a blank version of the VS-1074M form. It includes fields for vehicle identification (VIN, license plate), inspection details (date, location, inspector), and a large grid for recording inspection results. A legend on the right defines symbols used in the grid.

VS-1074M

Used to record the results of motorcycle (Safety) inspections.

This is a blank version of the VS-1074SD form. It includes fields for vehicle identification, inspection details, and a grid for recording inspection results. The grid is specifically designed for Diesel Emissions testing.

VS-1074SD

Used to record the results of HD Safety-only, HD Safety & Diesel Opacity, and Light / Medium Duty Safety & Diesel Opacity inspections.

This is a blank version of the VS-1074S form. It includes fields for vehicle identification, inspection details, and a grid for recording inspection results. This form is used for Safety-only inspections on Light/Medium Duty Trailers.

VS-1074S

Used to record the results of Safety-only inspections on Light/ Medium Duty Trailers.

Click to See Regulation 79.12(a)

Registration Plates



The plate number is used to keep records of inspections **UNLESS** the vehicle is unregistered **OR** if the vehicle is a dealer vehicle.

If using the CVIS Unit, follow CVIS unit on-screen instructions.

If using a VS-1074, enter FULL V.I.N. in registration plate column.

Click to See Regulation 79.12(a) & 79.20(c)(1)

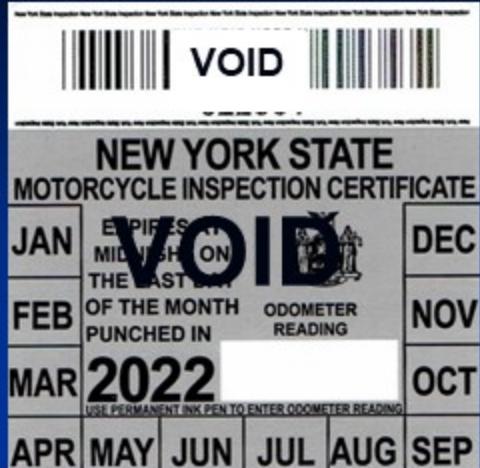
Refusing To Inspect A Vehicle and Appointments

- Generally an inspection station may NOT refuse to inspect a vehicle it is licensed to inspect. [Click to See Regulation 79.8\(b\)\(1\) for full details.](#)
- If a vehicle cannot be inspected when it is initially presented for inspection, a written appointment within the next 8 working days must be offered. [Click to See Regulation 79.8\(c\)\(1\) & 79.8\(c\)\(2\) for full details.](#)
- A deposit (up to the full inspection fee) may be collected for making the appointment. [Click to See Regulation 79.8\(c\)\(4\) for full details.](#)

The ONLY acceptable reasons to refuse an inspection are if:

- The vehicle will not fit into the building.
- The station is not properly licensed or equipped to inspect the type of vehicle, e.g. a motorist presents a HD vehicle to a Group 1 station.
- A diesel powered vehicle in the DEMA subject to an opacity test does not meet the “Pre-Emission Inspection Check”.
- The vehicle has a missing VIN plate and the operator has no acceptable ownership document.
- The stations CVIS unit is inoperative and the facility is waiting for service.

Certificates Of Inspection



Motorcycle



H.D. Safety-only

Note: The operator of a Medium Duty vehicle 10,001 to 18000 pounds MGW may request a Heavy Duty inspection.



Light/ Medium Safety Only

All expire at midnight on the last day of the month punched out, in the year printed on the face of sticker.



Safety & Diesel Opacity (Smoke Meter). Used on Diesel powered vehicles registered in the DEMA



**Safety & Emissions
Used on Low Enhanced & OBD II**

[Click to see Regulation 79.1\(a\) & 79.21](#)

Replacement Certificates

If an inspection sticker becomes lost, damaged, or stolen, a vehicle owner may request a replacement sticker if less than 12 months have passed since the sticker was originally issued.

Replacements are available ONLY from the DMV Vehicle Safety central office in Albany

The owner must submit statement of fact, proof of inspection, and the appropriate fee by mail.

OR

The owner may have a FULL, NEW inspection performed at the full fee instead of obtaining a replacement certificate

[Click to See Regulation 79.11\(c\)](#)

Ten Day Extension Certificate (VS – 1077)



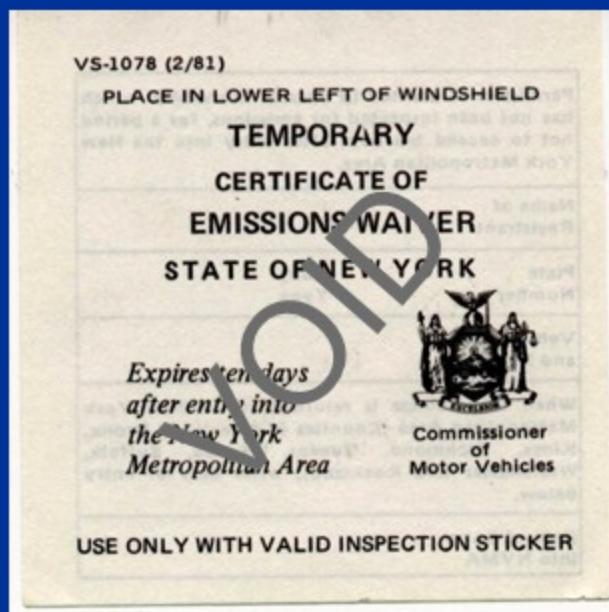
**Issued only by
DMV issuing offices
when a vehicle purchased
from a private party (not
involving a N.Y. Dealer) is
first registered.**

**Valid for 10 days
from date of issuance.**

[Click to See Regulation 79.1\(j\)](#)

Temporary Certificate Of Emissions Waiver (VS – 1078)

When a vehicle registered in the DEMA, which normally requires a diesel opacity (smoke meter) test, is outside the DEMA and its Safety/Diesel Emissions inspection certificate is about to expire or has expired, a TEMPORARY CERTIFICATE OF EMISSIONS WAIVER (VS-1078) may be obtained from a DMV office.



Normally, an upstate inspection station **MAY NOT inspect** any vehicle which requires a diesel opacity (smoke meter) test; however,

An upstate inspection station will perform a safety-only inspection of a diesel powered vehicle, but only if it displays a VS-1078. NOTE: the CVIS at an upstate (outside NYMA / DEMA) inspection station will prompt the Certified Inspector to confirm (Yes or No) when a DEMA registered vehicle (normally requiring a Diesel Opacity inspection) displays a VS-1078.

Within 10 days of return to the DEMA, the vehicle **MUST** receive a full inspection, i.e. a safety & diesel opacity (smoke meter) emission inspection.

“Best Practices”

When A Vehicle Is Presented For Inspection

- Ask the operator if the vehicle has been inspected within the past 30-days.
- Perform a **COMPLETE** inspection or re-inspection, **FIRST!** Pass or fail, the completed inspection or re-inspection **MUST** include entering the results of inspection in the CVIS, and the issuance of a (CVIS generated) Vehicle Inspection Receipt (VIR) to the operator.
- After inspection, discuss any failures with the customer and obtain authorization for any repairs needed for inspection and / or other recommended repairs.
- Do not begin diagnosis and repair of an obvious OBD-II (MIL On) emission failure before doing a **COMPLETE** inspection. An initial failure will be necessary should an Emissions Waiver be desired, if the vehicle qualifies. Repairs done prior to the initial emissions failure do not count toward a waiver.
- Do not use a scan tool on the vehicle in advance of the emissions inspection. A scan tool may indicate that a vehicle should fail the OBD-II portion of inspection, while the vehicle may actually be allowed to pass by the CVIS due to a known vehicle specific issue(s) that has not been resolved by the manufacturer.

REMEMBER to **ALWAYS** do a complete inspection **FIRST**, capturing the results of the inspection in the CVIS before doing **ANY** diagnostic or repair work!

Click to See Regulation 79.20(c) & 79.20(c)(6)

Rejections, Rejection Notice & Re-Inspections

A VIR , Vehicle Inspection Receipt , MUST be issued for ALL inspections and re-Inspections, PASS or FAIL, when using the CVIS.

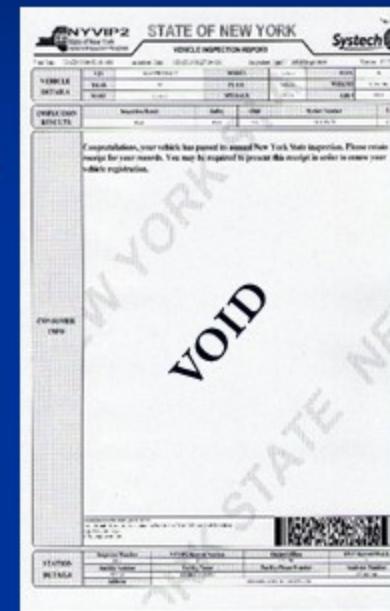
Form VS-1075 , Manual Rejection Notice, MUST be issued for all FAILED inspections recorded on a VS-1074.

A COMPLETE re-inspection of the failed portion (safety, emissions, or both) must be performed within 30 days of the failure.

If the vehicle REMAINS at the station, the re-inspection procedure requires entry of the results into the CVIS, but, NO FEE can be charged for the re-inspection.

If the vehicle LEAVES THE STATION and later returns for re-inspection , the facility can charge ONLY for the portion(s) re-inspected.

[Click to See Regulation 79.5\(b\) & 79.20\(a\)](#)



If the re-inspection is performed MORE than 30 days after the failure

OR

a diesel opacity (smoke meter) test vehicle is taken to a different station even within 30 days of first failure, a FULL INITIAL INSPECTION IS REQUIRED.

Sticker Removal



At the start of the inspection check the existing certificate for year and month of expiration:



IF EXPIRED:
Remove from
windshield



IF VALID:
Leave on
windshield

[Click to See Regulation 79.20\(c\)\(3\)](#)

V.I.N. Plate Check

If the V.I.N. plate is missing or mutilated, form VS-110 must be completed and mailed to D.M.V. within 24 hours of the vehicle being presented for inspection. The form is available online at: <http://dmv.ny.gov/forms/vs110.pdf>

New York State Department of Motor Vehicles			Month	Day	Year
NOTICE OF MISSING OR MUTILATED VEHICLE IDENTIFICATION NO.					
Registered Owner's Last Name	First	M.I.	Year and Make of Vehicle		
Number and Street			Type of Registration	Vehicle Plate Number	
City or Town	State	ZIP Code	Expiration Date of Registration / /		
Mail Completed Form To: Department of Motor Vehicles Division of Field Investigation 6 Empire State Plaza Albany NY 12228					
VS-110 (1/96)					

A missing or mutilated V.I.N. plate is NOT a cause to refuse to perform an inspection or reject a vehicle as long as the vehicle operator has presented an acceptable proof of ownership document.

Click to See Regulation 79.20(c)(1) & 79.20(c)(4)

“Pre-Emission Inspection Check” Of Diesel Vehicles

When a vehicle subject to the diesel opacity (smoke meter) inspection is presented by the customer for inspection it must be checked at that time (prior to beginning the inspection) for the following conditions:

Exhaust System – for missing sections which would prevent collection of a valid exhaust sample.

Governor – If originally equipped, for presence, connection AND operation.

VEHICLES NOT MEETING THESE REQUIREMENTS CANNOT BE INSPECTED. THIS IS NOT CONSIDERED AN INSPECTION OR REJECTION AND NO FEE IS TO BE CHARGED.

Click to See Regulation 79.26(b)

Checking Altered Vehicles

A vehicle is “altered” if it has been stretched or widened to increase passenger capacity.



Checking Altered Vehicles (continued)

Effective October 9, 2019, Vehicle and Traffic Law Section 308-a requires all inspection stations to report to DMV any time an altered vehicle is presented for inspection, regardless if an inspection is conducted.

Within 24 hours of an altered vehicle being presented for inspection, you must send an [“Altered Vehicle Report”](#) ([download DMV form VS-1074SL](#)) to DMV via email at limoreport@dmv.ny.gov or fax to (518) 474-2739.

The VS-1074SL can be found at WWW.NYVIP.ORG under Forms & Downloads and printed as needed.

Click Here →



Soon, the NYVIP2 Computerized Vehicle Inspection System (CVIS) will be updated to enable inspection stations to report to DMV electronically when presented with an altered vehicle.

Checking Altered Vehicles (continued)

REJECT INSPECTION:

- An altered vehicle that DOES NOT have a Federal Alterer's Safety Certificate affixed to the vehicle (normally found on the door jamb) must be REJECTED.
- An altered vehicle that seats 9 or more persons (including driver) and whose operator does not possess a NYSDOT exemption letter must be REJECTED.

INSPECTON ALLOWED:

- An altered vehicle that seats less than 9 persons (including driver) and has a Federal Alterer's Safety Certificate affixed can be inspected.
- An altered vehicle that seats 9 or more persons (including driver) and has a Federal Alterer's Safety Certificate affixed can be inspected only if a NYS Department of Transportation (NYSDOT) exemption letter is presented.

Sample NYSDOT Exemption Letter



Department of
Transportation

ANDREW M. CUOMO
Governor

MARIE THERESE DOMINGUEZ
Commissioner

DATE: July XX, 2019

To Whom It May Concern:

This letter will certify that the vehicle described below, does not require an inspection by the New York State Department of Transportation (NYSDOT), as the owner has described the intended use of the vehicle as a type that does not fall under the jurisdiction of NYSDOT in accordance with the NYS Transportation Law and department regulations.

Therefore, this vehicle does not require a copy of the NYSDOT Vehicle Inspection form (MC300) as a prerequisite to registering/renewal of the vehicle's NYS Motor Vehicle Registration. Rather than a NYSDOT inspection, the vehicle will require either a NYS annual vehicle or heavy vehicle inspection as required by New York State Department of Motor Vehicle regulations (15 NYORR 79.2).

This letter should be maintained by the owner and a copy should be kept on the vehicle while in operation. The owner is advised that using the vehicle in a capacity other than described or physically altering the vehicle may invalidate this exemption letter. The letter is not transferrable and not intended to exempt or supersede interstate commercial motor vehicle requirements. It is issued for New York State periodic inspection purposes only.

Reason for exemption: The vehicle is not being used in commerce and not being used to transport passenger for compensation.

Owner / Operator's Legal Name: SAMPLE NAME

YEAR: 2019 MAKE: FORD MODEL: EC3

VIN# 1GKU3SAMPLE3M550 COLOR: WHITE SEATS: 15 NOTES: THIS LETTER VALID WHEN VEHICLE IS ONLY USED AS A PROPERTY CARRYING VEHICLE AND NOT USED TO TRANSPORT PASSENGERS.

If you have any questions or require further information, please contact the New York State Department of Transportation.

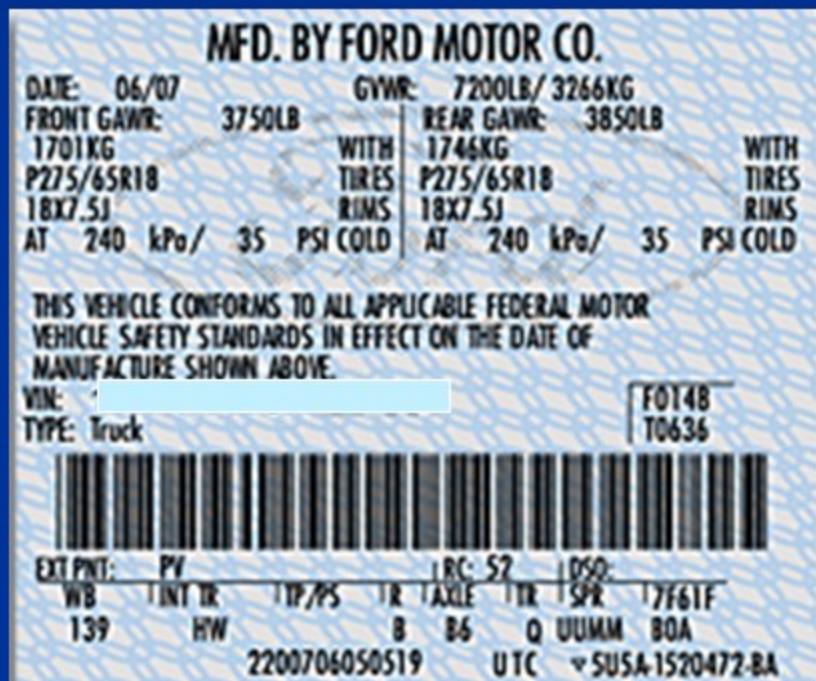
Sincerely,

New York State Department of Transportation
Passenger Carrier Safety Bureau

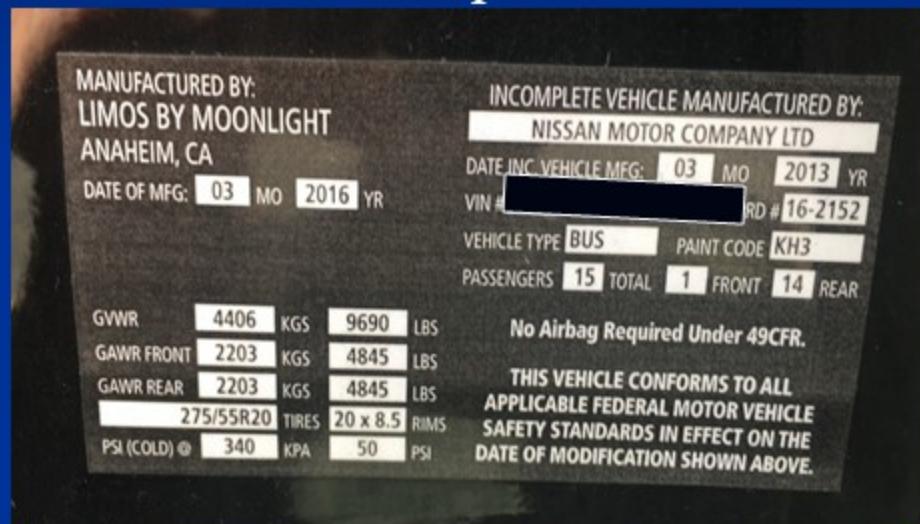
Checking Altered Vehicles (continued)

Federal Motor Vehicle Safety Standard (FMVSS)

OEM FMVSS Sample



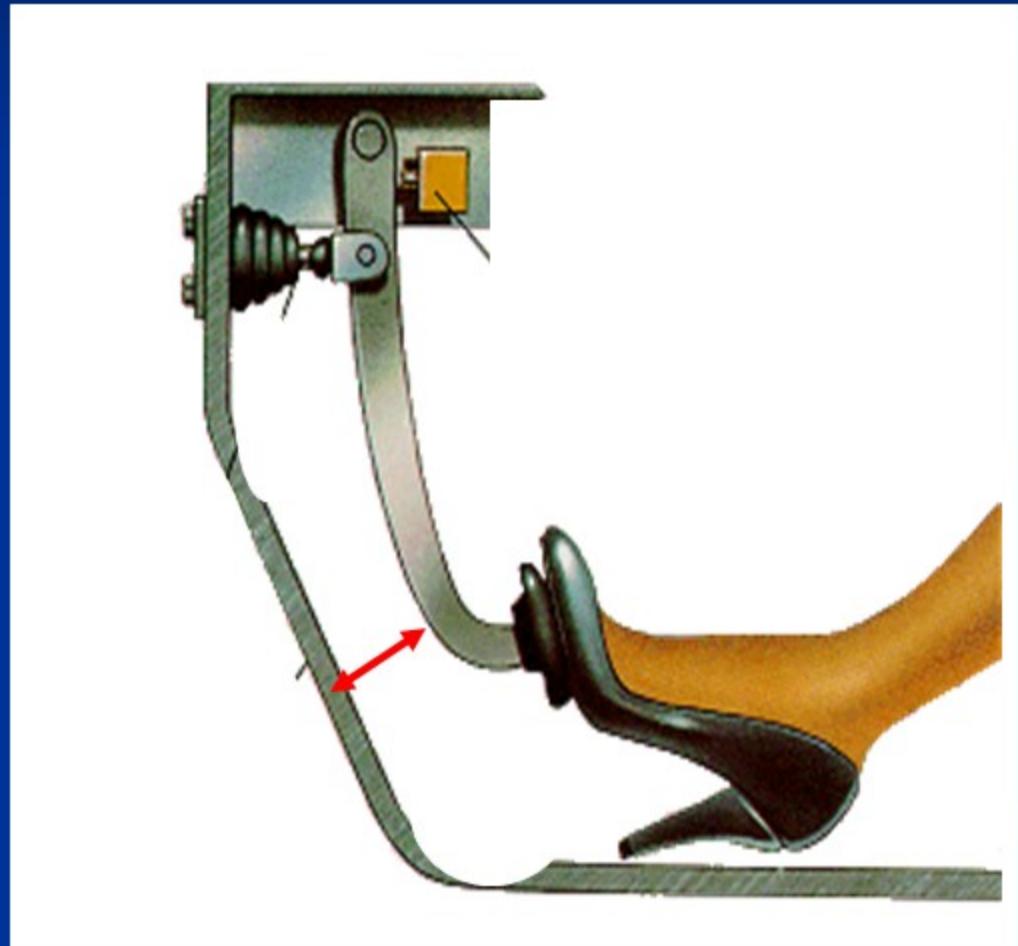
Federal Alterer's Safety Certificate Samples



Brake Pedal Reserve

Reject if:

Pedal reserve is less than 1/3 of the possible pedal travel or less than the manufacturer's specification. (Engine running, if equipped with power brakes)



Click to See Regulation 79.21(a)(5)

Brake Pedal Fade & Power Brake Test

Reject if:

Pedal fails to hold its position for at least 60 seconds without fading (normal foot pressure applied).

Turn the engine off and pump the pedal several times to relieve the power assist from the system.

With foot on the brake pedal, re-start engine.

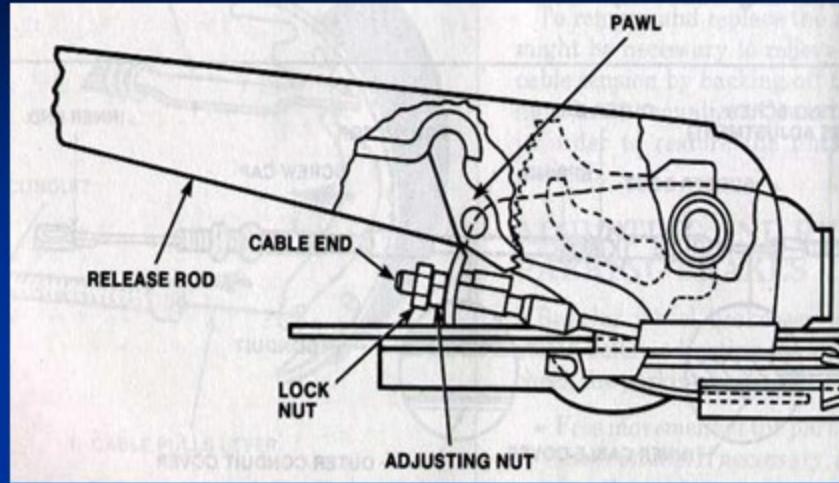
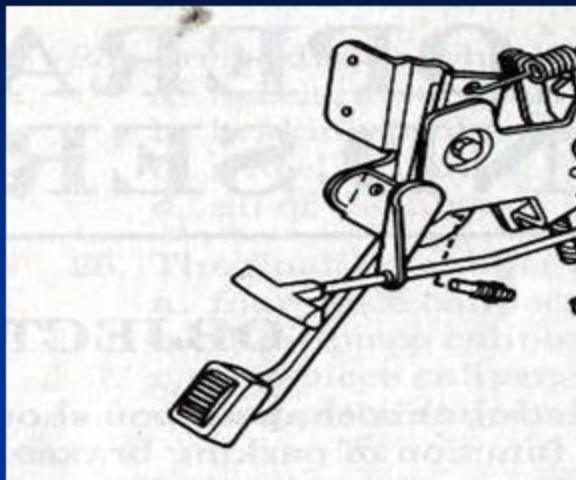
Reject if:

Pedal does not fall slightly when the engine starts.



Click to See Regulation 79.21(a)(6) & 79.21(a)(7)

Parking Brake



Reject if:

- Parking brake is not applied independently of the service brake system. Must be mechanically activated.
- No reserve travel in lever or pedal when fully applied.
- Locking device inoperative or parking brake cannot be properly released.
- Parking brake won't hold vehicle stationary with engine slightly accelerated.

Click to See Regulation 79.21(b)(1), 79.21(b)(2) & 79.21(b)(3)

Steering Wheel Play

Turn steering wheel completely to the right and left.

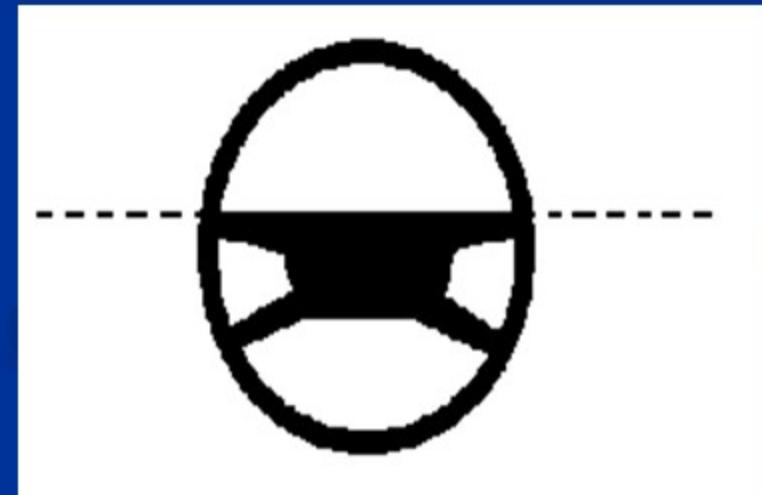
REJECT if there is ANY tightness, binding, or interference.

Check for amount of free play in steering (Before motion can be detected at front wheels).

REJECT if steering wheel movement exceeds:

2 inches free play - Power steering (with engine running);

3 inches free play - Manual steering.



Click to See Regulation 79.21(d)(1) & 79.21(d)(2)

Horn



REJECT if:

- Vehicle is not equipped with at least one horn;
- Horn fails to make a sound loud enough to serve as a danger warning;
 - Horn is not securely fastened to the vehicle;
- Actuating device does not work properly or is not within easy reach of the driver.

Click to See Regulation 79.21(j)(1)

Windshield & Other Glass



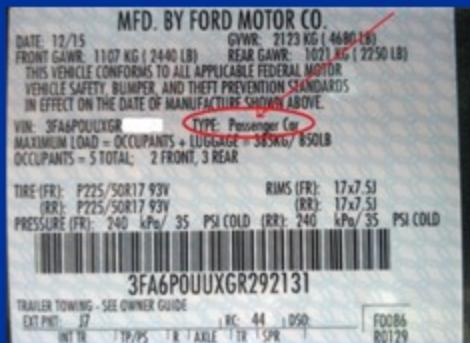
REJECT if:

- Vehicle is NOT equipped with approved safety glass;
- Windshield or other window is broken or has any exposed sharp or jagged edges;
- Vehicle is not equipped with a windshield;
- Windshield has a crack MORE THAN 11" in length & ANY PART of the crack extends into the wiper path;
- Any windshield "Star" OVER 3" in diameter, regardless of location.

Click to See Regulation 79.21(f)(1) & 79.21(f)(2)

Inspect for Window Tint - 1

- A two-piece window tint meter is required station equipment.
- If a windshield or a window, through observation, clearly meets the required visible light transmittance standard, it is not necessary to use the tint meter.
- Vehicles displaying a valid MV-80W.2 "Exempt Tinted Windows" sticker need not be inspected for window tint. The exemption certificate is normally found on the inside center top of any window, except the windshield. Valid means the vehicle information printed on the exemption certificate (plate, make, year and color) must match the vehicle.
- When inspecting 1992 or newer model year for Window Tint, identify Vehicle Type. Vehicle types are generally classified as Passenger Car, MPV, Truck or Bus. This information is found on the Federal Motor Vehicle Safety Standard (FMVSS) certification label near the drivers door post (see example labels below).



Click to See Regulation 79.21(f)(3)(a)-(g)

Inspect for Window Tint - 2

Effective January 1, 2017

Model year 1991 or older motor vehicles: Inspect and reject for less than 35% Visible Light Transmittance (VLT) of all windows except side windows to the rear of the driver. If the vehicle is equipped with dual outside rearview mirrors, the Back Window is not inspected for tint.

- Windshield is inspected below the AS-1 indicator line which is found below the OEM shade band.

Model Year 1992 or newer motor vehicles: Inspect vehicles classified on FMVSS label as "Passenger Car" and reject for less than 70% Visible Light Transmittance (VLT) of all windows except the Back window if vehicle equipped with dual outside rearview mirrors.

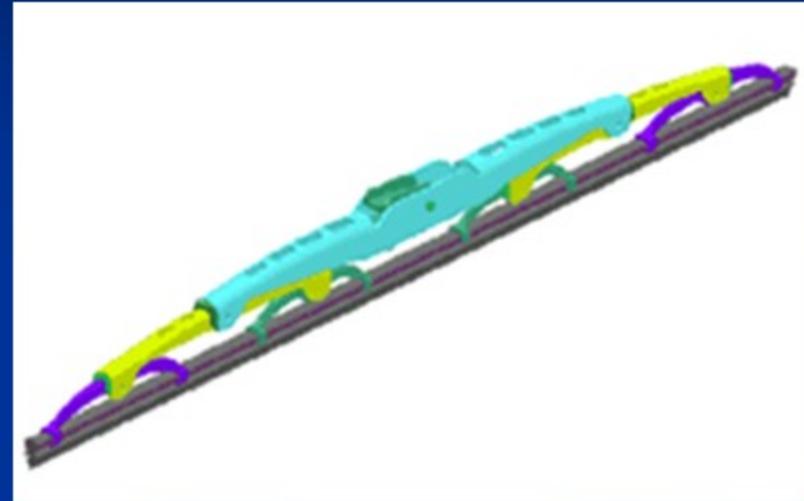
- For vehicles classified on FMVSS label OTHER than "Passenger Car," such as: MPV, Truck or Bus, the side windows to the rear of the driver are not inspected.
- Windshield is inspected below the AS-1 indicator line which is found below the OEM shade band.

Click to See Regulation 79.21(f)(3)(a)-(g)

Windshield Wipers

REJECT for:

- Missing wipers (Must have the number of wipers that the vehicle was originally equipped with);
- Inoperative wipers;
- Improperly adjusted wipers;
- Wiper blades that have dead, torn or excessively worn rubber;
- Any material other than the rubber wiper blade is contacting the windshield;
- Wiper control is not within easy reach of driver.



NOTE: Inspect FRONT windshield wipers ONLY – Rear window and headlamp wipers are NOT inspected

Click to See Regulation 79.21(i)(1) & 79.21(i)(2)

Mirrors

REJECT if:

The vehicle does not have at least two rearview mirrors, one on the driver's door & one interior OR passenger door mirror.

Check for condition of mirrors.

REJECT if:

ANY mirror is cracked, broken, discolored, cannot be adjusted, fails to hold it's adjustment, or is not securely mounted



NOTE: If there are more than the required number of mirrors, all must be checked, unless the mirror and housing are COMPLETELY removed

Click to See Regulation 79.21(g)(1) & 79.21(g)(2)

Seat Belts Required Number

REJECT if: The vehicle does not have one safety belt for each seat position in vehicle.



On 1998 & newer vehicles: Check the air bag readiness light and enter the results in the CVIS or on the VS-1074 if a malfunction is indicated (bulb does not light or stays lit).

Advise the operator in writing on the inspection invoice.

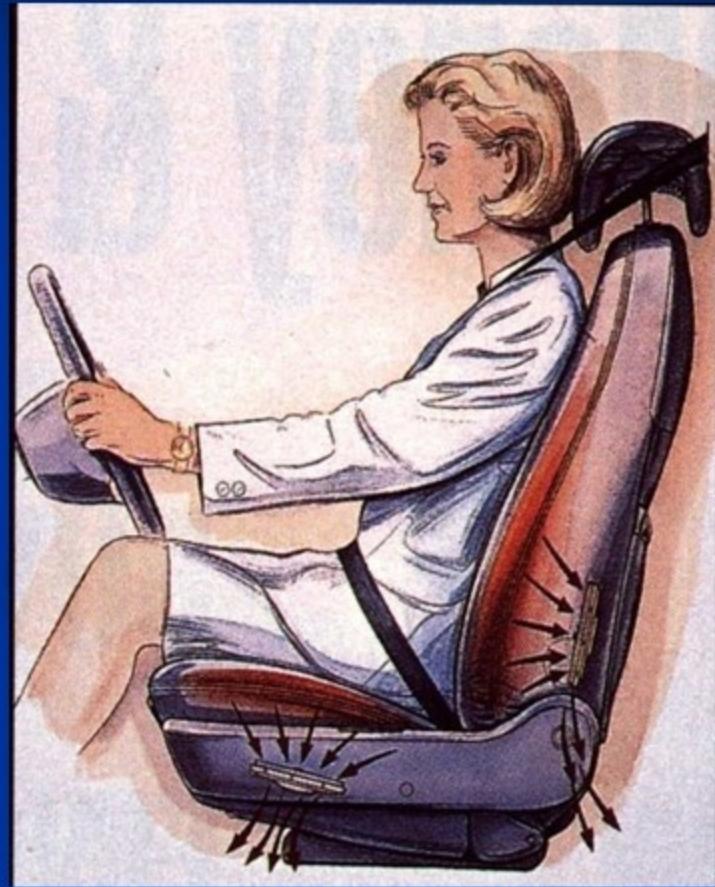
DO NOT REJECT VEHICLE

Click to See Regulation 79.21(k)(1) & 79.21(k)(3)

Seat Belts Function

REJECT any seat belt with any of the following defects:

- Automatic adjuster does not recoil;
- Motorized belt which fails to activate or release when designed to do so;
 - Cannot be buckled;
 - Unbuckles when tugged on;
 - Cannot be unbuckled;
 - Is not properly anchored;
 - Is pulled out of its anchor.



Click to See Regulation 79.21(k)(2)

Master Cylinder

REJECT if:

**There are any visible
leaks or the master
cylinder reservoir is
not filled to it's
designed capacity.**



NOTE: Designed capacity means that the brake fluid level must be between the minimum and maximum lines.

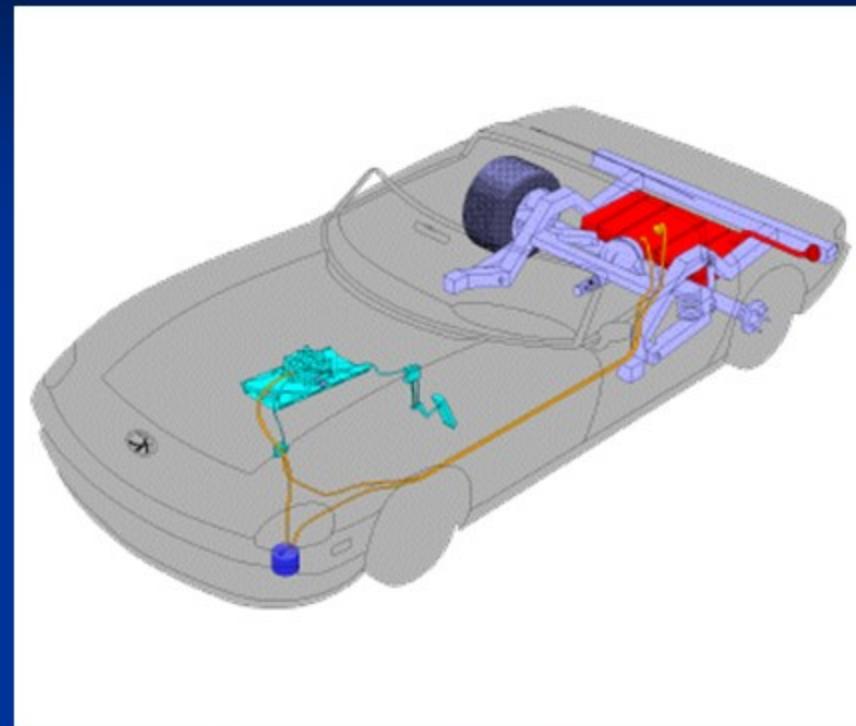
Click to See Regulation 79.21(a)(4)

Fuel System

Check the fuel system
(including auxiliary
heating or refrigeration
units) for leaks and

REJECT if:

Any leak is found in the
system, tank or lines to
such a degree as to
cause dripping or
pooling of fuel.



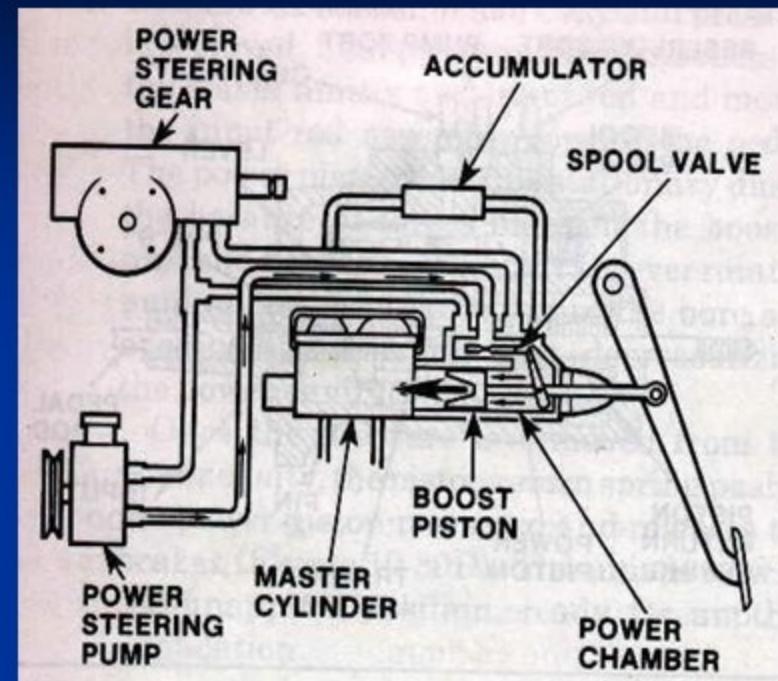
This includes CNG, LNG and LPG
fueled vehicles (detected audibly,
visually, or by smell)

Click to See Regulation 79.21(I)(1) & 79.21(I)(2)

Power Steering System

REJECT if:

- System does not work;
- There are any visible system leaks;
- The pump drive belt is loose,
V belt is cracked or frayed
serpentine belt is “chunking” (ribs
missing) in micro V rib area or flat
outer surface is cracked or belt is
fraying.



NOTE: Small cracks in the micro V rib area of a serpentine belt are NOT reason for rejection.

[Click to See Regulation 79.21\(d\)\(5\)](#)

Headlamps

REJECT if:



- The headlamps are not of an approved type (marked with either SAE or DOT or both);
- The lens is missing, broken (piece missing), or has a crack that results in an opening;
- They are not securely mounted / properly grounded;
- There are any foreign materials covering the lenses (such as shields or painted lens);
- High and/or low beam fail to light;
- Any add-on exterior lights are not on a switch separate from the headlamp switch.

NOTE: Modification of an original headlamp system **MUST** result in the replacement with a **COMPLETE** approved system.

Click to See Regulation 79.21(e)(1) & 79.21(e)(5)

Directional Signals & Hazard Warning Lights



NOTES: The directional signal & hazard warning light systems may share the signal lights at each corner of the vehicle. Additional signal lights on mirrors or marker lights that blink with the turn signals are NOT inspected.

REJECT if:

- The vehicle is not equipped with both a working directional signal & hazard warning light system with interior (in instrument cluster) or exterior indicator lamp(s);
- The vehicles hazard warning light system does not operate independently of ignition and directional signal switches.

Click to See Regulation 79.21(e)(3) & 79.21(e)(4)

Lighting (Continued)

REJECT if the vehicle does not have the following required lights:

Front - L & R directional signals (Amber);

Rear - L & R directional signals (Red or Amber);

L & R tail lamps (Red);

L & R stop lamps (Red);

At least one back up lamp (White);

At least one license plate lamp (White) . When equipped with two, both must work;

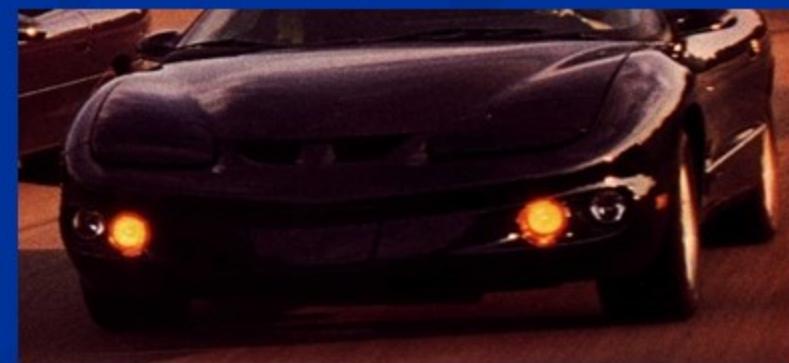
1987 & Newer - High mount stop lamp (Red);
(Only required on passenger vehicles)

All lamps must be of an approved type (marked with either SAE or DOT or both);

Lenses must not be missing, broken (piece missing), or emitting light directly from the bulb;

Use of tapes or other materials to repair lenses is cause for rejection;

All lamps must be securely mounted and produce a steady light.



**Click to See Regulation 79.21(e), 79.21(e)(2),
79.21(e)(6), & 79.21(e)(7)**

Lighting Required On Vehicles 80" Or More In Width



Vehicles 80" or more in width are required to have the following additional (SAE / DOT) approved lighting equipment:

Front: 2 - Amber clearance lights;
1 - Amber identification;
light (3 lamp cluster);

Rear: 2 - Red clearance lights;
1 - Red identification light
(3 lamp cluster);

Sides: 1 - Amber side marker light (F);
1 - Red side marker light (R);
1 - Amber class "A" reflector (F);
1 - Red class "A" reflector (R).

NOTE: Remember these additional lights / reflectors are NOT required on vehicles less than 80" in width.

Click to See Regulation 79.21(e)(8)

Brake Inspection



At least one front wheel **MUST** be removed to inspect the condition of the brakes.

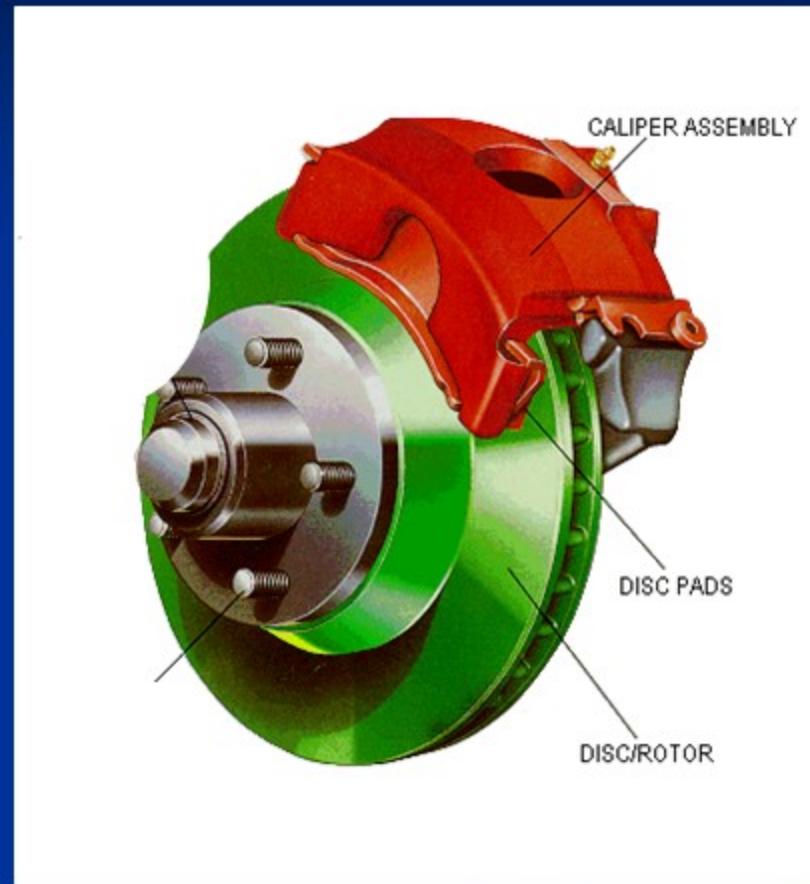
NOTE: Additional wheels may be removed, BUT no additional charge may be made to the customer.

Click to See Regulation 79.21(a)

Disc Brake Pads

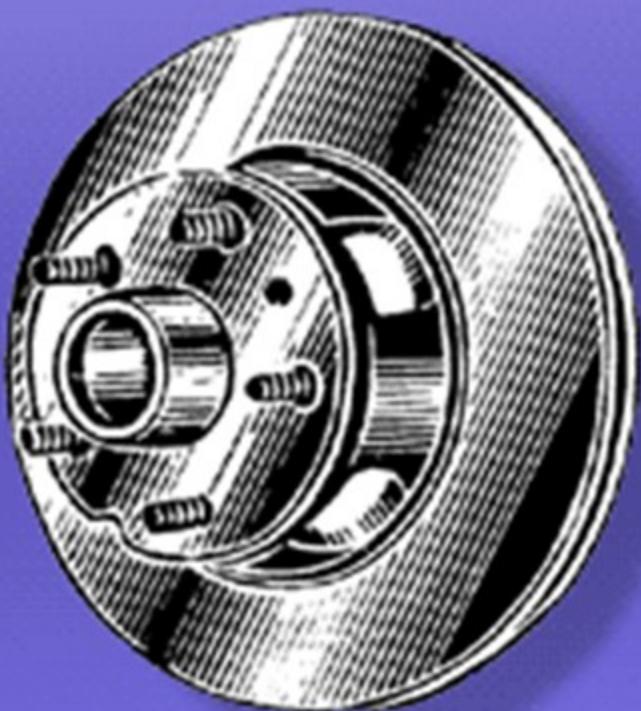
REJECT if:

- Any friction material (lining) is broken, cracked, loose from its mounting, or contaminated with oil or grease;
- Any wear sensor is activated;
- Any pad is worn so that there is metal to metal contact with the rotor.



Click to See Regulation 79.21(a)(10) & 79.21(a)(11)

Brake Rotors

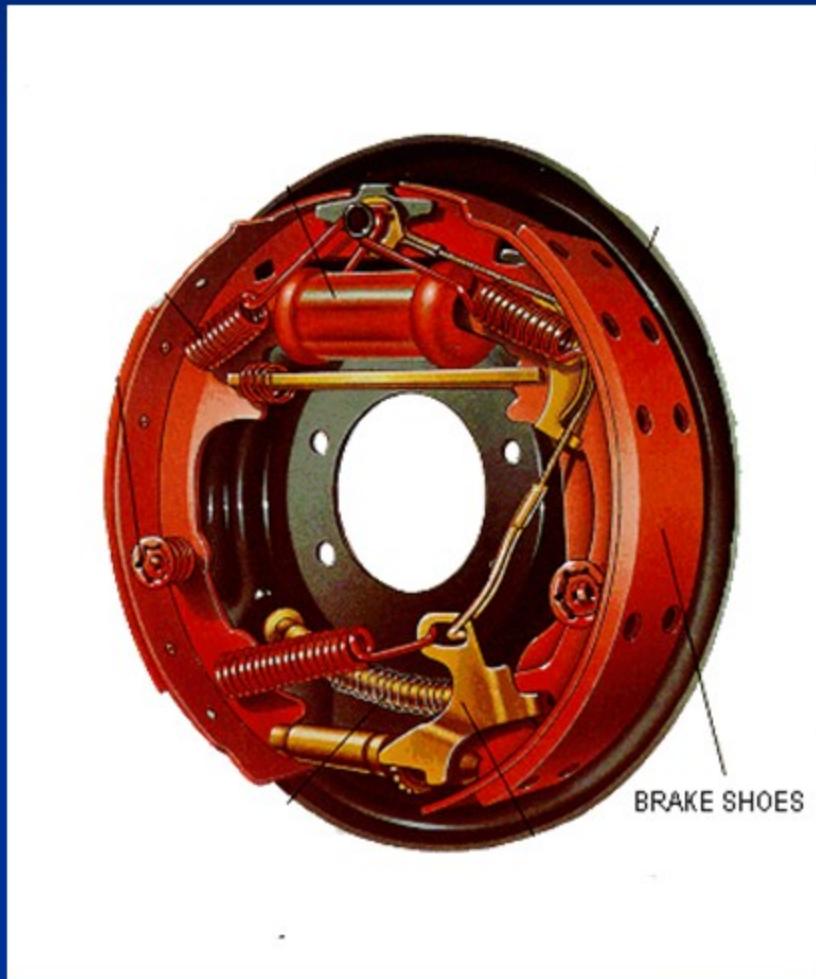


REJECT if any rotor is:

- Substantially cracked to edge;
- Mechanically damaged other than wear;
- Distorted or scored so that it impairs the brake system.

Click to See Regulation 79.21(a)(13)

Drum Brake Linings



REJECT if any lining is cracked, loose, broken or contaminated.

REJECT if:

Riveted Linings – LESS THAN 1/32" over any rivet head(s); OR any rivets are loose or missing.

Bonded Linings - LESS THAN 1/16" thick at the thinnest point.

Brake Drums

REJECT if:

- Any substantial cracks on the friction surface extending to open edge;
- Any external cracks;
- Mechanically damaged other than wear;
- Friction surface is contaminated with oil, grease, or brake fluid.



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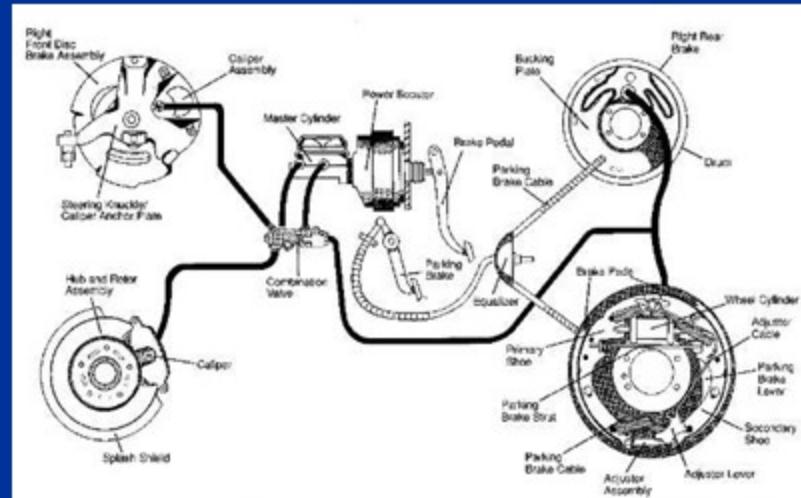
[Click to See Regulation 79.21\(a\)\(12\)](#)

Brake System & Components

REJECT if:

- Any hose, line or fitting is cracked, worn, chaffed, leaking, flattened, not properly secured, copper tubing or compression fittings are used, any wheel cylinder or caliper leaks brake fluid;
- Any brake system component is disconnected, improperly installed, broken, frozen, seized, bypassed, or missing.

NOTE: A lit ABS system warning light is NOT a reason to reject a vehicle.

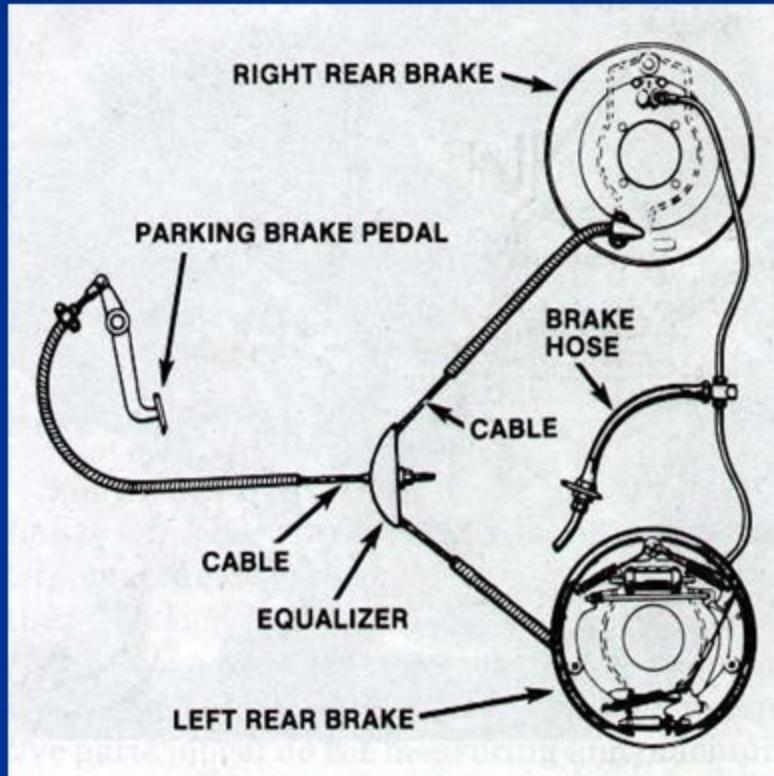


Click to See Regulation 79.21(a)(2), 79.21(a)(3), 79.21(a)(4), & 79.21(a)(14)

Parking Brake Components

REJECT if any:

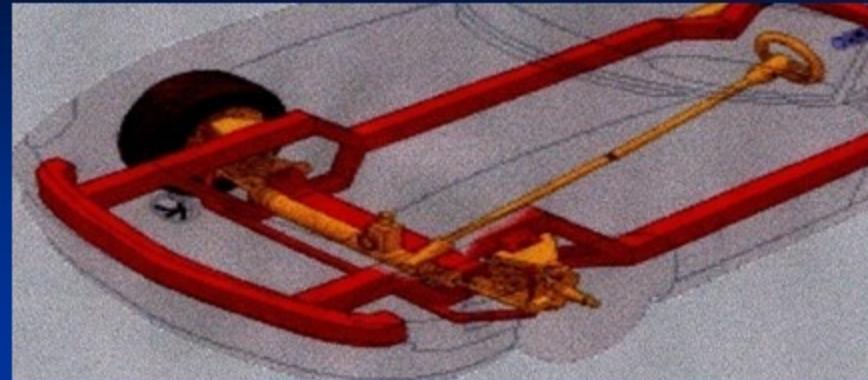
- Cable is broken, visibly frayed or frozen;
- Cotter pin is defective or broken;
- Retracting spring is missing;
- Rod or coupling is worn or missing.



Click to See Regulation 79.21(b)(2)

Steering Linkage

- With the vehicle raised, visually inspect the following components:
 - Wheel bearings;
 - Upper & lower cross shaft & bushings;
 - Upper & lower outer pins & bushings;
 - Idler arm;
 - Center control arm;
 - Tie rod ends;
 - Steering & pitman arms;
 - Gear box mounting;
 - Rack & pinion mounting;
 - Steering column mounting;
 - Steering wheel shaft mounting;
 - Steering shaft couplers & universal joints;
 - Tilt & telescopic wheel mechanism;
 - Steering damper.



REJECT if:

- There is any excessive wear or looseness in any component;
- Any coupler is chaffed, frayed, or cracked;
- The tilt or telescopic wheel; mechanism does not secure the steering wheel securely;
- The steering damper is loose, missing, broken or leaking.

NOTE : Ball Joints are NOT part of NYS Inspection!

Click to See Regulation 79.21(d)(2)

Shocks & Struts

REJECT if:

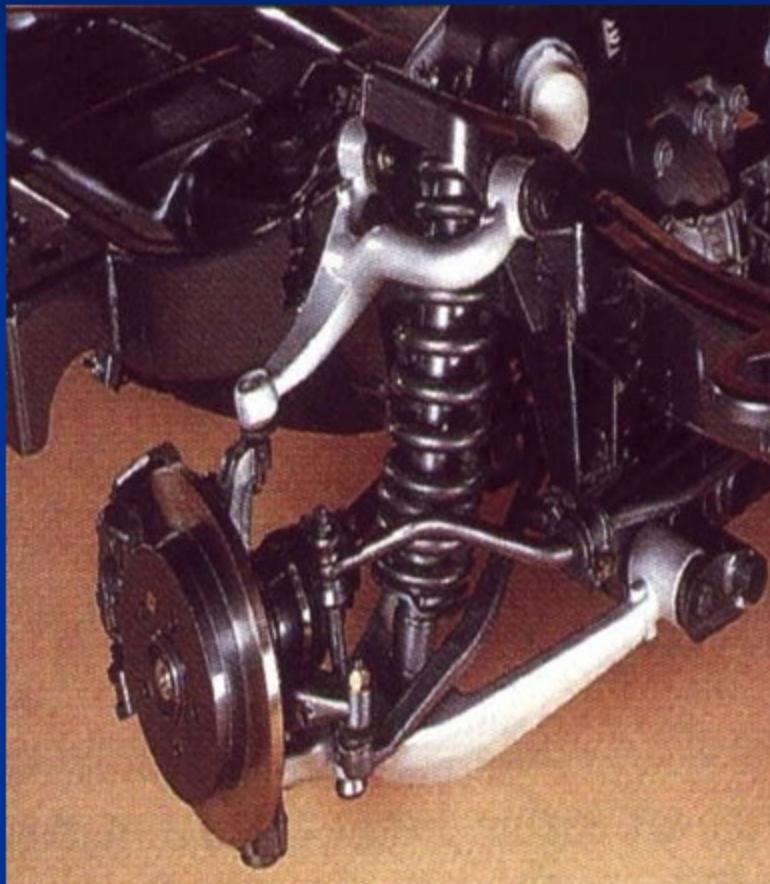
- Any shock or strut is broken, missing or loose;
- Any mounting, mounting bracket, or bolt is broken or loose.

**NOTE: A leaking shock or strut is NOT
rejectable!**



Click to See Regulation 79.21(d)(6)

Springs, Torsion Bars & Mountings

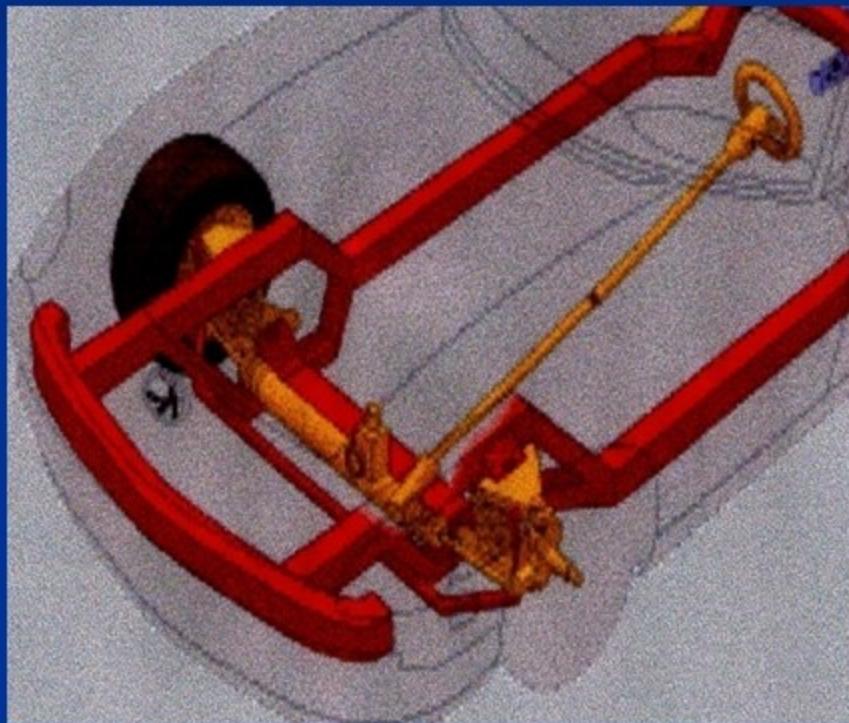


REJECT if:

- Any spring or air spring, if equipped, is sagging or broken;
- Any spring shackle is excessively worn or loose;
- Any torsion or stabilizer bar or mechanical linkage is broken, disconnected, missing, or bent.

Click to See Regulation 79.21(d)(3)

Chassis & Frame



REJECT IF:

- The front wheels are **VISUALLY** out of line;
- Any axle or front end assembly is bent or twisted;
- Any chassis / frame or primary uni-body member is severely rusted at suspension attachment points;
- Any bolts or rivets are loose, missing, or in a deteriorated condition due to rust;
- Any chassis / frame or primary uni-body member is cracked or broken.

Click to See Regulation 79.21(d)(4)

Tire Condition & Wheel Fasteners



Spare tires are NOT inspected.

Check tire pressures using a tire pressure gauge – Enter results in CVIS or VS-1074 if below manufacturers spec's & notify the customer in writing, but, DO NOT REJECT VEHICLE!

REJECT if:

- Any tire has any visible bumps, bulges or knots;
- Any tire has a fabric break or cut over 1" long, deep enough to reach the body cords;
- Any tire has any exposed ply or cord structure;
- Any tire is marked for a restricted or temporary use (Farm use, racing use, etc.);
- Any wheel fastener is missing or broken.

[Click to See Regulation](#)

79.21(c)(2), 79.21(c)(3), 79.21(c)(4),
79.21(c)(5), 79.21(c)(6),
& 79.21(c)(7)

Tire Tread Depth



Measure Here & Here

Click to See Regulation 79.21(c)(1)

Use a tire tread depth gauge to measure tread depth and

REJECT if:

There is **LESS THAN 2/32"** tread remaining in 2 **ADJACENT** tread grooves showing the **MOST** wear.

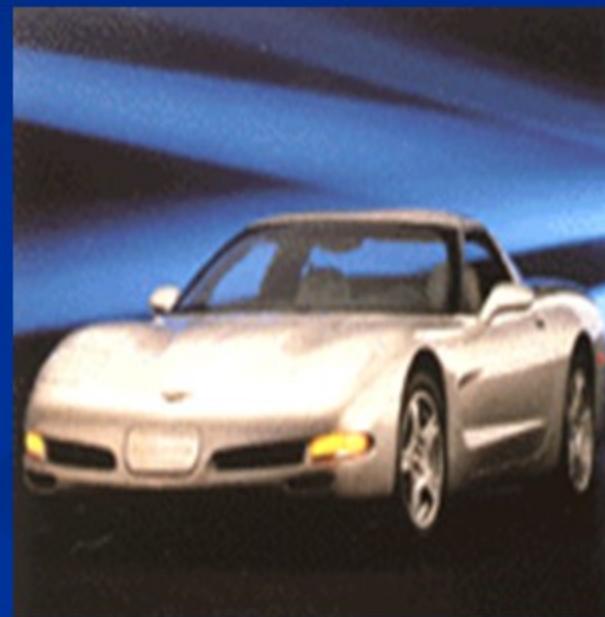
It is not necessary to measure if the tire obviously has the required depth.

Do not measure the tire at the wear indicator bars.

Brake Equalization Test

REJECT if the vehicle pulls significantly to the left or right when braking.

This MUST be the last item checked during a safety inspection and can be performed either inside or outside the station, on a dry, hard, level surface, free from loose material.



Click to See Regulation 79.21(a)(1)

Trailer Inspection



**ONLY Light Duty trailers
may be inspected outside the shop.**

Medium Duty trailers as well as motor vehicles (10,001 – 18,000 lbs. MGW) require the applicable items in section 79.23 to be inspected IN ADDITION to the items in section 79.21.

INSPECT:

- Tires;
- Lights;
(Headlamps & back up lamps not required)
- Shocks;
- Springs;
- Brakes **(If equipped);**
- Hitch **(Condition of all welds and fasteners).**

Click to See Regulation 79.21, 79.22 & 79.23

Diesel Opacity Emissions (Smoke Meter) Inspection

All diesel powered vehicles with a Gross Vehicle Weight Rating (GVWR) over 8,500 pounds, per New York State Department of Environmental Conservation (DEC) regulations, that are registered in the “DEMA” (Diesel Emissions Metropolitan Area) Counties of: Suffolk, Nassau, Queens, Kings, Richmond, New York, Bronx, Westchester & Rockland, are required to be diesel opacity (smoke meter) inspected.

Click to See Regulation 79.1(m) & 79.7(c)(7)(i)

Diesel Emissions Opacity Inspection Procedure

- Visually inspect OEM (Original Equipment Manufacturer) emissions control devices for presence and condition. REJECT if any are missing, disconnected, or disabled (tampered).
- Use an approved diesel opacity (smoke meter) tester to check emissions at the tailpipe. If the tester indicates that the test failed, the vehicle is to be REJECTED.
- The tester print out MUST be given to the motorist and a second copy must be attached to the VS-1074SD record sheet.

Click to see Regulation 79.26(d), 79.26(e), 79.26(g), & 79.26(h)



Vehicles failing 2 or more diesel opacity (smoke meter) emissions tests may qualify for an emissions waiver.

Minimum Waiver Repair Amounts-

\$ 1,000 for 8,501 up to 18,000 pounds MGW.

Record requirements: All inspection records, including waivers, must be kept for 2 years from the date of issuance. The station is also required to submit a copy of all waivers (Form # VS-1079DE) within 3 days of issuance to the NYS Department of Environmental Conservation.

OBD-II or Low Enhanced?

LOW ENHANCED EMISSIONS INCEPTION is required to be performed on all model year 1995 or older (non-exempt) gasoline powered vehicles with a GVWR of up to 18,000 pounds, and all model year 1996 & newer (non-exempt) gasoline powered vehicles with a GVWR of 8,501 to 18,000 pounds, registered anywhere in New York State.

OBD II INSPECTION is required to be performed on all model year 1996 & newer (non-exempt) gasoline powered vehicles and all model year 1997 & newer (non-exempt) diesel powered vehicles with a GVWR of 8,500 pounds or less, registered anywhere in New York State.

EXEMPT GASOLINE POWERED VEHICLES:

- TWENTY-SIX (26) OR MORE MODEL YEARS OLD;
 - LESS THAN 2 MODEL YEARS OLD;
 - POWERED BY A 2 CYCLE ENGINE;
 - MOTORCYCLES;
 - OVER 18,000 GVWR.

Click to see Regulation 79.2(f), 79.24(a)(1)(i), 79.24(a)(3), & 79.24(b)(1)(i)

LOW ENHANCED EMISSIONS INSPECTION PROCEDURE

The LOW ENHANCED EMISSIONS inspection program requires that all emissions control devices (ECD's) built on the vehicle as original equipment are VISUALLY inspected for tampering.

REJECT the vehicle if any of the following originally equipped ECDs are missing, disconnected or disabled:

- **PCV system;**
- **Catalytic Converter;**
- **EGR system;**
- **Fuel tank cap;**
- **Thermostatic Air Cleaner;**
- **AIR system;**
- **Evaporative Emissions Controls;**
- **Fuel inlet restrictor.**

NOTE: Checking The Above Low Enhanced Items Is Also Part Of The OBD II Inspection Of A Gasoline Powered Vehicle.

Click to see Regulation 79.24(i)

OBD II Inspection

OBD II inspection includes a check of the OBD II emissions data for stored DTC's, readiness monitor status, and MIL command status using the CVIS unit. In addition, a visual inspection of all low enhanced items (ECDs) on gasoline powered vehicles is required.

NOTE: Low Enhanced Items (including gas cap) are NOT inspected on diesel powered vehicles subject to an OBD II inspection.

**[Click to see Regulation 79.24\(i\)\(9a\), 79.24\(i\)\(9b\),
79.24\(i\)\(10\), & 79.24\(i\)](#)**

Using The CVIS Unit To Perform An OBD-II Inspection

- At the Main Menu choose “Vehicle Inspection Menu,” then choose “Safety And Emissions Inspection” and then “Vehicle.”
- You will be prompted to scan inspectors card & enter password, and next to scan vehicle registration, VIN plate barcode(s) and / or manually enter vehicle information.
- The CVIS will guide you through the remainder of the OBD II inspection procedure. Simply follow the instructions given & answer the questions asked.
- When directed, connect the cable & scan tool interface to the vehicle’s DLC. If you cannot find the DLC, the CVIS can help, with its built-in DLC locator reference.
- The CVIS will prompt you to do a KOEO & KOER check of the MIL & direct you to enter the status, and last, will begin communicating with the vehicle.
- If the vehicle passes ALL parts of the inspection, you will be asked to scan the sticker serial number bar code and acknowledge that the certificate was affixed to the vehicle.

For additional information, please see the NYVIP2 Vehicle Inspection Operator’s Manual at: <https://www.nyvip.org/PublicSite/PDF/downloads/NYVIP2%20Manual.pdf>

CVIS Vehicle Inspection Reports

At the completion of the inspection, the CVIS will print a Vehicle Inspection Report (VIR) which **MUST** be given to the vehicle operator. The VIR lists the results of the inspection, as well as the fee.

Possible results shown on the VIR:

- PASS** – Vehicle passed ALL portions of the inspection
- FAIL** – Safety defects
- FAIL** – Emissions Control Device defects
- FAIL** – No communication with PCM
- FAIL** – MIL commanded on - OBD II DTC's present
- FAIL** – Excessive readiness monitors NOT ready
(includes a 10 day inspection extension)
- FAIL** – Multiple reasons – (i.e. Safety & Emissions)

The document is a 'STATE OF NEW YORK VEHICLE INSPECTION REPORT' from NYVIP2. It includes fields for 'INSPECTION DETAILS' (Vehicle ID: 4NYV1P2, Inspection Date: 2023-02-27, Inspection Type: Annual Inspection), 'INSPECTION RESULTS' (Safety: Pass, OBD: Pass, MIL: Pass), 'CONSUMER INFO' (Consumer Name: John Doe, Consumer Address: 123 Main St, City: Anytown, State: NY, Zip: 12345), and 'STATION DETAILS' (Station Name: ABC Inspection Center, Station Address: 123 Service Rd, City: Anytown, State: NY, Zip: 12345). A large 'VOID' stamp is printed diagonally across the page.

Click to see Regulation79.20(a)

Issuing & Affixing The Inspection Certificate

After passing an inspection:



Safety Only



Safety/
Low Enhanced
or OBD II



Safety/
Diesel

Enter the inspection information on the appropriate VS-1074 form or into CVIS unit.

Use the appropriate type inspection certificate, punch out the month using a hole puncher, and enter the mileage in the space provided.

Affix the certificate to the lower left corner of the windshield.

A close-up view of a New York State inspection certificate showing the 'RW' box circled in yellow. The box is located on the reverse side of the certificate under the heading 'REPAIR WAIVER ISSUED'.

If an inspection certificate is issued through an emissions waiver, the "RW" box on the reverse of the certificate must be checked.

Issuing A Trailer Inspection Certificate

Issue the safety-only inspection certificate

Prepare the safety-only inspection certificate in usual manner, EXCEPT, punch a hole in the "T" and enter the trailer's plate number in the mileage box on the back of the certificate.

Hand the certificate to the vehicle operator.



Safety-only certificate

Congratulations, you have now completed the Group 1 New York State Inspector Certification training presentation!

If you are ready to accept the affirmation and certify that you have studied the training material and are ready to take the Pre-test (practice test), choose the “Proceed to Pre-Test” button below. Note: You must pass the Pre-test (practice test) before you can begin your online DMV Final Exam.

Before moving ahead with the online DMV Final Exam you should ensure that you have adequately prepared, and if necessary go back and review any slide(s) and / or regulation(s) you are still unsure of. (Choose the “Return to Training Materials” button below).

Remember, if you do not PASS your DMV Final Exam, you MUST restart the Training process from the beginning!