



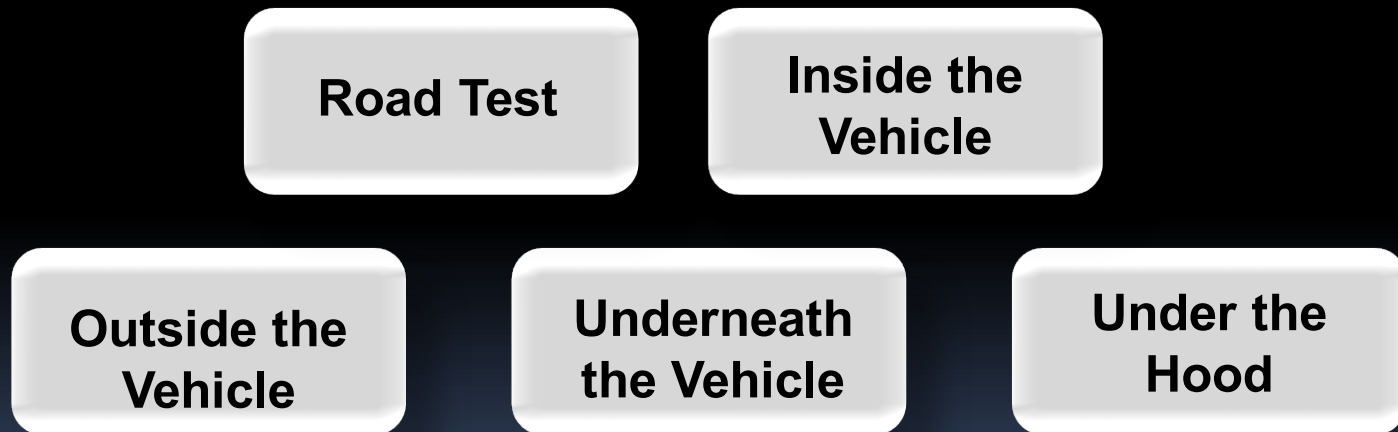
# Texas Department of Public Safety VEHICLE INSPECTIONS

**Produced by Texas Department of Public Safety Regulatory Services Division**

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DUPLICATION OF THIS MATERIAL IS PROHIBITED.

# SAFETY CERTIFICATION – FIVE-STEP SEQUENCE

To ensure an inspection is performed properly and in a timely manner, the inspection should be performed in the following order:



# OBJECTIVES



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- Identify the Five-Step Vehicle Safety Inspection sequence.
- Identify the required components for Safety Inspections.
- Demonstrate mastery of content by scoring 80% or better on the multiple-choice examination to become a Licensed Vehicle Inspector.

# Verify financial responsibility before proceeding with any inspection.

## Check for the following:

- Insured's name
- Policy Number
- Make of vehicle
- Model of vehicle
- Effective date
- Expiration date

**TEXAS LIABILITY INSURANCE CARD**  

**INSURED'S NAME**  
\*\*\*\*\*  
123 TIMBERCREEK  
AUSTIN TX 78752

**30 Day Minimum**

**Policy Number:**  
**Effective Date:**  
**Expiration Date:**

Veh.	Year	Make	Model	VIN
#1	1997	CHEVROLET	SUB R10/C10/R15/C1500	3GNEC16R5VG133033
#2	1994	GMC	PU SONOMA 2WD	1GTCS1441R8520779
#3	****	*****	*****	*****

MID-CENTURY INSURANCE COMPANY OF TEXAS **1-800-225-0011**

This policy provides at least the minimum amounts of liability insurance required by the Texas Motor Vehicle Safety Responsibility Act for the specified vehicle and named insureds and may provide coverage for other persons and other vehicles as provided by the insurance policy.

Agent Name: Guy Wehman  
Phone No: (512) 329-0090

A1662101

- **The policy must meet minimum liability requirements**
- **VIN/Make & Model (should be taken from vehicle)**
- **No proof of insurance, do not inspect vehicle**

# CNG (Compressed Natural Gas)

After verifying vehicle insurance, CNG tank should be inspected (customer only need be present if tank is located in the trunk).

A CNG equipped vehicle:

- Must Comply with the requirements of 49 CFR 571.304
- The fuel container tank has not exceeded the expiration date



The inspector can complete this inspection requirement through observation and/or documentation.

**1**

# **ROAD TEST**

**An Inspector should inspect the following items**

**Service  
Brakes**

# SERVICE BRAKES

At a speed of 20 mph, apply service brakes firmly to determine if the vehicle comes to a smooth stop within the distance prescribed by the "Required Brake Performance." Test should be performed at a designated and approved brake test area.

## Required Vehicle Brake Performance



**25 Ft**



**30 Ft**



**40 Ft**



**50 Ft**

Check equalization and any metal to metal sounds during test



## SERVICE BRAKES



### REJECT IF:

- Brake warning lamp or signal is on or comes on during test.
- Brakes do not meet requirements for stopping distances.

### Remember:

Anti-lock (ABS) lamp or signal which is on or comes on during test will not be cause for rejection.



# 2

# INSIDE THE VEHICLE

An Inspector should inspect the following items

Windshield  
Wiper Controls  
(On/Off Switch)

Horn

Turn Signals  
Indicator Lamps

Mirror

Seat Belts

Brake Pedal  
Reserve

Parking Brake

Steering

High Beam  
Indicator Lamp  
(1948 & up)

# WIPER CONTROLS

Every motor vehicle with a windshield must be equipped with a windshield wiper or wipers in good working order and constructed so as to permit operation and control by the driver of the vehicle.



# HORN

Every motor vehicle shall be equipped with a horn in working order and capable of emitting an audible sound for a distance of 200 feet or more. Can not have unreasonably loud, harsh or whistle sound.

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# TURN SIGNALS

Switch / Lock / Indicator Lamps; assembled prior to the model year 1960 need not be equipped with electrical turn signal lamps.

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***Remember:** Selector switch must lock in proper turn position when applied but need not cancel automatically.*

# MIRROR

Every motor vehicle shall be equipped with a mirror so located as to reflect to the driver a view of the highway for a distance of at least 200 feet to the rear of such motor vehicle.

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Only ONE mirror is required

- Exterior Mirror
- Interior Mirror



Mirrors should not be cracked, peeled, tarnished, or improper/loosely mounted.

# SEAT BELTS

Front seat belts are required on every motor vehicle in which front seat belt anchorages were a part of the manufacturer's original equipment on the vehicle.

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- Front lap belts only are inspected



# BRAKE PEDAL RESERVE

- Power Brakes (1")
- Conventional Brakes – Non-power (2")
- Brake Pedal Reserve: Distance from back of brake pedal (when engaged) to the floor board





# PARKING BRAKE

The parking brake should be so designed that when once applied, it shall remain applied - despite exhaustion of any source of energy or leakage of any kind.

## Inspection Procedure:

- Inspect all 1960 and newer vehicles
- Operation / When required (should hold vehicle)
- Should not have parts missing, broken, badly worn or not operation properly
- Should not have pull cables that are badly stretched, frayed or not operating properly

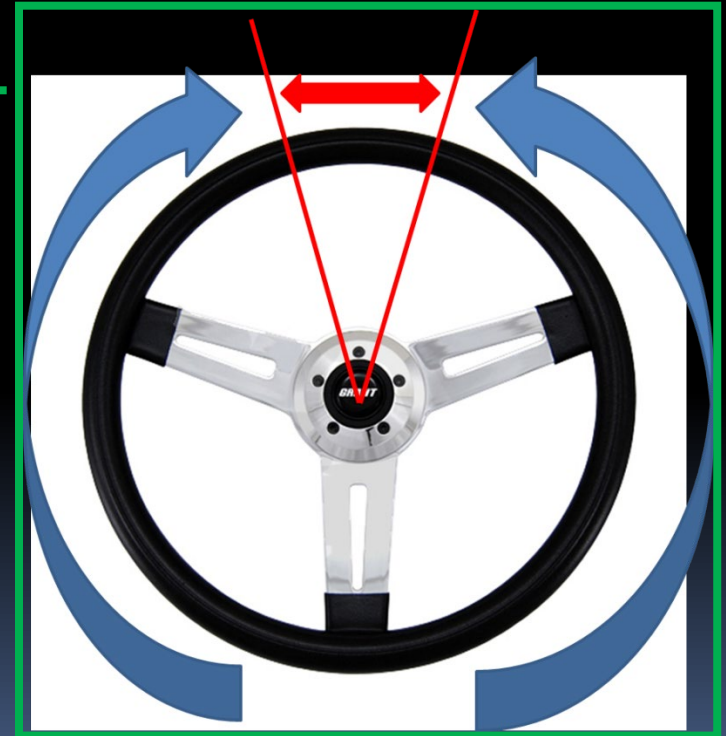


# STEERING LASH

The steering system of the vehicle must be inspected to determine if excessive wear and/or maladjustment of the steering linkage and/or steering gear exists.

## Inspection Procedure:

- Check lash & free movement: turn steering wheel from full left to full right
- Check wheel size / column



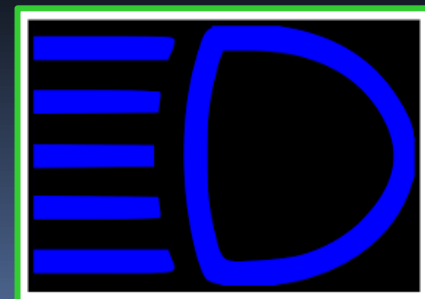
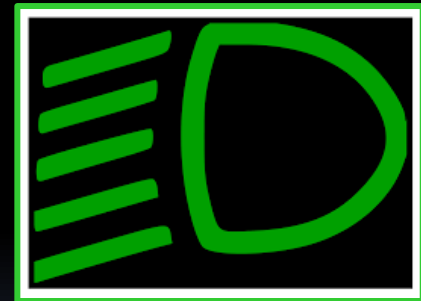
# HIGH BEAM INDICATOR

Shall be equipped with a beam indicator which shall be lighted whenever the uppermost distribution of light from the head lamp is in use, and shall not be otherwise lighted.

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## Inspection Procedure:

- Required on 1948 and newer
- Can be any color



# 3

## OUTSIDE THE VEHICLE

An Inspector should inspect the following items

**Tires**

**Mud Flaps**

**Wheels**

**Wipers**

**Lighting  
Equipment**

**Glass  
Coating/Tint**

**Gas Cap  
Test**

# TIRES

All tires on a vehicle will have proper tread depth of at least 2/32 of an inch and be in safe operating condition.



## Inspection Procedure:

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- Tread depth & condition (no cord exposed or sidewall separation; no visible bumps, bulges, or knots)
- Cuts, snags, & tears in excess of one inch
- Tread wear indicators should not contact the road on any two adjacent major grooves in the center of the middle of the tire



# MUD FLAPS

Required on Trucks/Light Trucks behind the rearmost axle or (combination) if it has 4 or more tires (always required on dual wheel pickups)

## Inspection Procedure:

- Height/Width required (as wide as tires they are protecting; no more than 12" above roadway)

*Exceptions: Truck tractors, motor homes, buses, pole trailers*



# WHEELS

Lugs, bolts & nuts - Check for presence and condition

## Inspection Procedure:

- Any part of wheel is bent, cracked, re-welded, or damaged fails

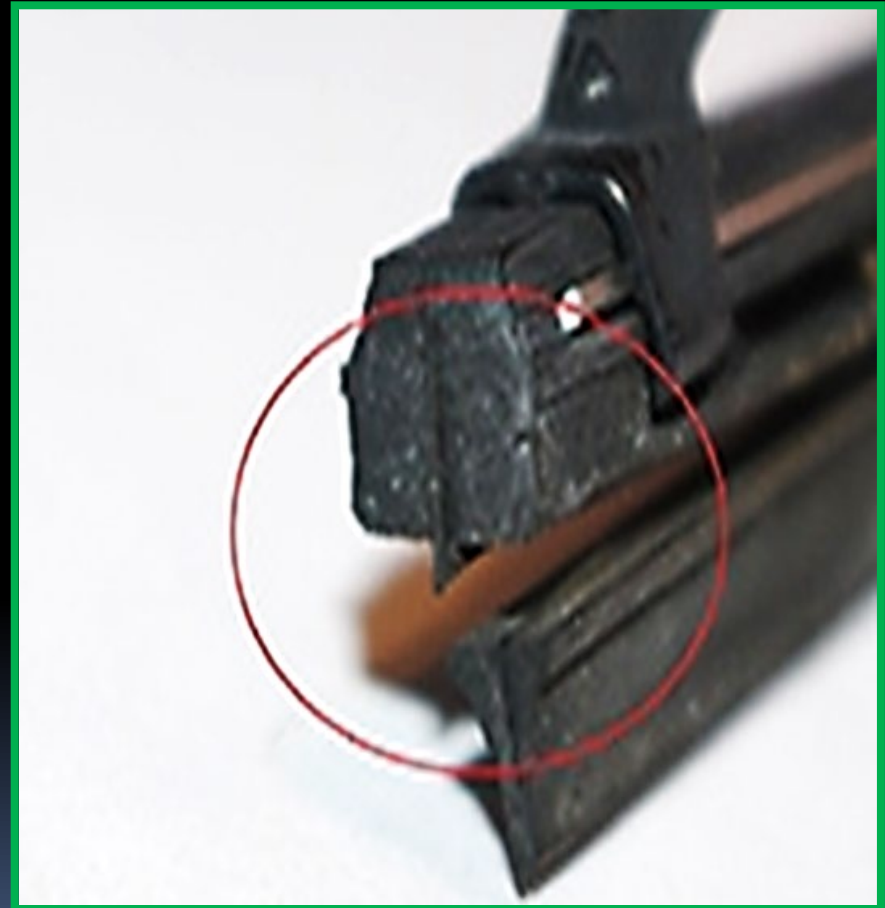




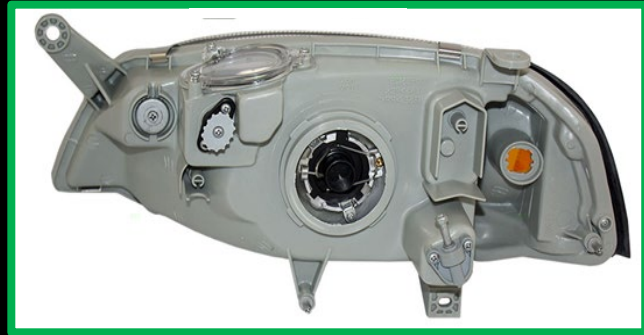
# WIPERS

## REJECT IF:

- Tears (no more than 1" or a combination of 1" on both sides)
- Number required (as many as originally equipped)



# HEAD LAMPS



**Composite**



**Projection**



**Sealed Beam**

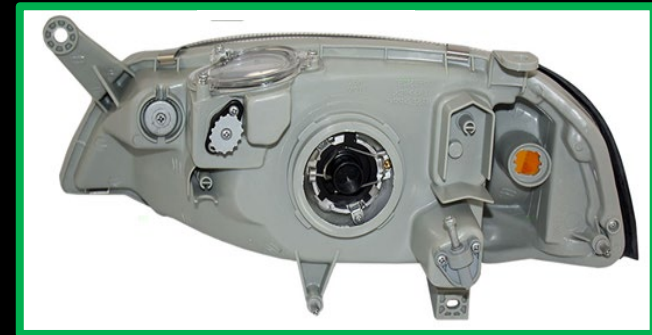


**High Intensity Discharge (HID)**

# LAMPS

Every motor vehicle shall be equipped with at least two head lamps (2; clear/white), at least one on each side of the front of the motor vehicle. Glass or composite lens with condensation will not fail; a sealed beam lamp will fail for having condensation; height requirement: 25" – 54"

- Stop Lamps (1959/older, 1 stop lamp; 1960/newer, 2; red or amber in color); height requirement: 15"-72"
- Tail lamps (1959/older, 1 tail lamp; 1960/newer, 2; red in color); height requirement: 15" – 72"
- LED tail lamps may have no more than 50% of diodes malfunctioning



**Composite**

## LED LIGHTS



# TURN SIGNAL LAMPS

Turn signal lamps: required on all vehicles beginning 1960 or newer (2 in front, white or amber; 2 in rear, red or amber)

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**White** or **AMBER** to the Front



**Red** or **AMBER** to the Rear

# LICENSE PLATE LAMP

- One License plate lamp required; clear or white
- Check for mounting and lens condition





## CENTER HIGH-MOUNTED STOP LAMPS

Center high mount stop lamp (red; must be steady-burning when brakes are applied);

Passenger cars produced after September 1, 1985 and newer (1986 Model vehicles).

Multipurpose passenger vehicles, trucks, buses less than 80 inches in width and gross weight of 10,000 lbs. or less on or after September 1, 1993 (1994 Model vehicles).



# REAR REFLECTORS

X2- **RED** in color; height requirement: 15"-60" from center of reflector to the level ground

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# STOP LAMPS

- Mounting/Physical damage:
- Wiring should not be shoddy
- Lamps lenses should not be broken and should fit properly
- All lamps should be securely mounted, not loose
- No painted/colored/tinted lenses



# GLASS COATING/TINT

- Min. Percentage (25%) – below 25% fails
- Windows inspected (side windows in front)
- Windshield brow cannot extend downward beyond the AS-1 line or more than five (5) inches from the top of windshield on vehicles without an AS-1 line. Measurement shall be taken from inside the windshield
- No **RED**, **BLUE**, **AMBER**, or reflective on windshield brow
- Sun screening, glass coating, or tint will be an item of inspection on all vehicles if it has these items



# WINDOW TINT

## Tinting Restrictions

**Front  
Windshield**

Inspect that glass coating or sun screening does not exceed the AS1 Line or 5 inches from top of windshield



**Right & Left  
of Driver**

Inspect for no less than 25% transmission.

**Rear  
Window**  
NOT INSPECTED

**Right & Left  
Rear**  
NOT INSPECTED

# GAS CAP TEST

Every gasoline-powered vehicle from 2-24 model years old will be checked to determine if the gas cap is missing or defective.



- Gasoline Engines Only
- Exempted Vehicles; diesel, vehicles registered as antique vehicles, motorcycles, slow-moving vehicles
- Fuel Cap requirement unless it has a cap less system

# 4

## UNDER THE VEHICLE

An Inspector should inspect the following items

**Service  
Brake**

**Parking  
Brake**

**Exhaust  
System**

# SERVICE BRAKE

- Check brake lines/hose for leaks and condition





# PARKING BRAKE

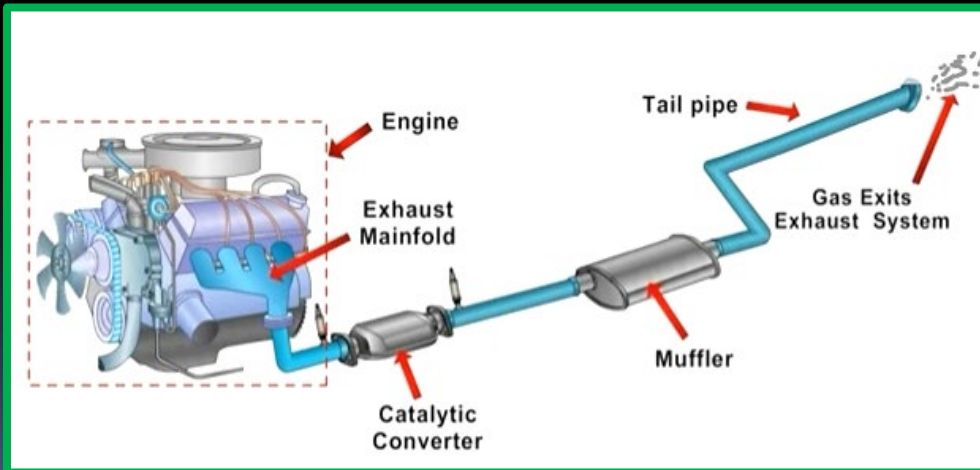


- Inspected on 1960 and newer
- Should not have parts missing, broken, badly worn or not operating properly
- Should not have pull cables that are badly stretched, frayed or not operating properly



# EXHAUST SYSTEM

- Inspect manifold, gaskets, exhaust pipe, muffler, resonator, supporting hangers
- Leaks, holes & patches: fail
- Has to have proper hangers
- Catalytic converter (required on '84 & up)
- Location of discharge: should discharge exhaust from rear, sides or top of the passenger compartment of vehicle.



# EXHAUST SYSTEM



## Reject if:

- Pickups equipped with a camper or hard shell cover that does not discharge the exhaust at the rear or sides.

**Exceptions:** Holes in the exhaust system made by the manufacturer for drainage are not cause for rejection.

**5**

# **UNDER THE HOOD**

**An Inspector should inspect the following items**

**Exhaust  
Emissions  
System**

**Master  
Cylinder**

**Power  
Steering**

**Exhaust  
Manifold**

# EXHAUST EMISSIONS SYSTEM



- Year model (1968 and newer)
- Inspect air injection system, thermostatic air cleaner, evaporative emission system, exhaust has recirculation system, positive crankcase ventilation system, catalytic converter
- System cannot be removed, disconnected, altered in any manner to make it ineffective
- Plumbing or hoses cannot be loose, broken, leaking, or improperly routed
- Air pump belt cannot be loose, removed, excessively cracked, frayed, or have pieces missing.

# MASTER CYLINDER

- Inspect for any leaks
- Check Fluid level (no more than 1" below top or reservoir or recommended level)



# POWER STEERING

- Inspect belt for condition
- Check for any leaks
- Fluid level in power steering unit will fail if below manufacturer's recommended level.
- Inspect condition of lines for leaks





# EXHAUST MANIFOLD

- Leaks: Fail
- Inspection Condition



# MOTORCYCLE AND MOTOR-DRIVEN CYCLE

- Proof of Insurance
- Horn
- Mirror; 1 required
- Steering
- Brakes (system); equipped on all wheels; side cars not required to have brakes





# MOTORCYCLE AND MOTOR-DRIVEN CYCLE

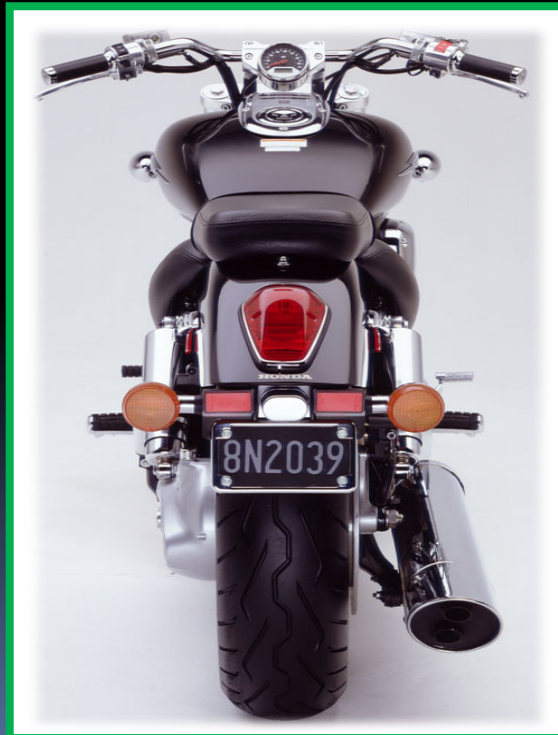
## Inspect

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- Tires
- Wheel Assembly (Spokes cannot be bent, broken, loose, or missing)
- Exhaust System (must have a baffle)
- Tail Lamp (1); **RED** in color; height requirement: 20" – 72"



# MOTORCYCLE AND MOTOR-DRIVEN CYCLE



- Tail Lamp (1); **RED** in color; height requirement: 20" – 72"
- Stop Lamp (1): **RED** or **AMBER** in color
- License Plate Lamp; (1); white or clear in color
- Rear Red Reflector (1); height requirement: 15"-60"
- Head Lamp (1); white/clear in color; height requirement: 24"-54"

# MOPEDS

An Inspector should inspect the following items

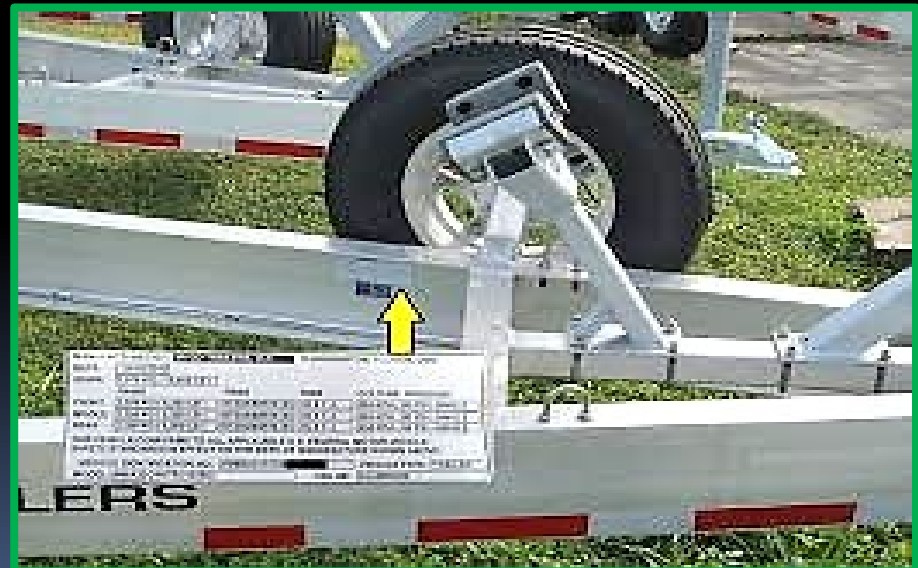
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- **Check Financial Responsibility**
- **Brake (on at least rear wheel)**
- **Head Lamp (1); white/clear**
- **Reflector (1); RED**
- **Tail Lamp (1); RED**

# TRAILERS, SEMI-TRAILERS, POLE TRAILERS, OR MOBILE HOMES

- Inspection required when gross weight or registered weight exceeds **7500 lbs.**
- Insurance taken from towing vehicle
- Must have a **VIN**

TRAILER IDENTIFICATION			
MFD. BY:	TRAILMAN	DATE:	08/26/1961
VIN.		TYPE:	GOOSENECK
REBUILT BY:	N/A	YEAR:	N/A
MODEL NO.	TRA17	FLEET NO.	N/A
THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS AND MEETS A.A.R. SPEC. M-943-EFFECT ON DATE OF MANUFACTURE ABOVE.			
GVWR	10,000	LBS.	
GAWR	5,000	LBS. WITH	R295 75R22.5 TIRES
	8.25x22.5	RIMS AT	100 PSI COLD DUAL



# TRAILERS, SEMI-TRAILERS, POLE TRAILERS, OR MOBILE HOMES



- Turn signal lamps must emit a **RED** or **AMBER** light.
- – 2 Tail lamps; **RED**
- – 2 Stop lamps; **RED** or **AMBER**
- – 2 Rear Reflectors; **RED**
- License Plate Lamp (1; white/clear)



# TRAILERS, SEMI-TRAILERS, POLE TRAILERS, OR MOBILE HOMES

- Tires (2/32<sup>nd</sup>)
- Mud Flaps (if required)
- Wheels
- Brake System
- Vehicle and Trailers 80' or wider must have; clearance, side marker lamps and reflectors and if gross weight is greater than 7,500 pounds you must check the brake system.



20 mph

40 Ft

50 Ft



# Vehicle Inspection Criteria Buses & School Buses

**Produced by Texas Department of Public Safety Regulatory Services Division**

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# SCHOOL BUSES

Inspect these additional items

- Seats Belts (driver only)
- Clearance Lamps
- Side marker Lamps
- Side Reflectors
- Gas caps on vehicles 2-24 model years old



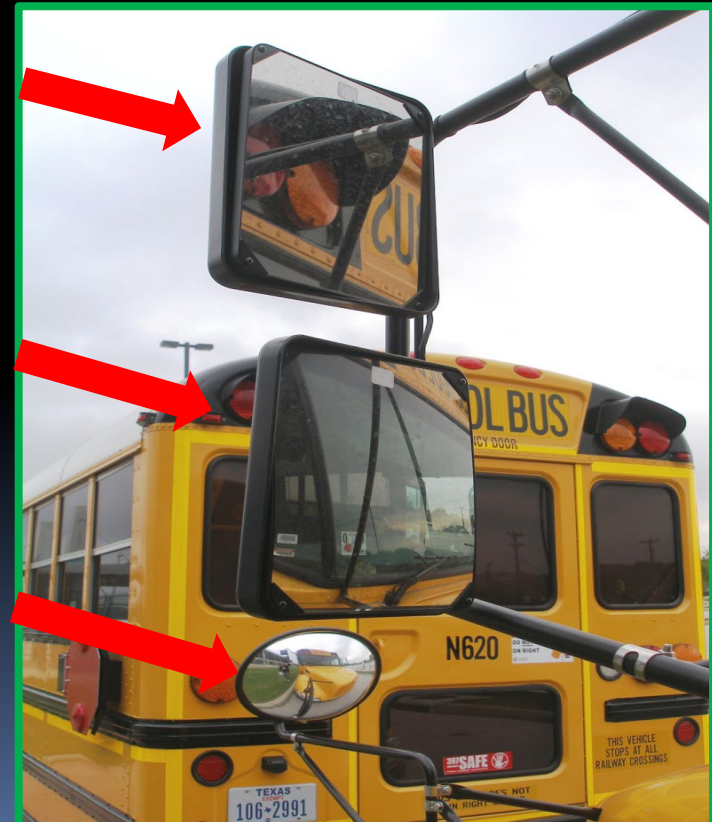
# SCHOOL BUSES

- **RED** Warning Lamps (2 front – 2 rear – alternately flashing); sufficient intensity to be visible at 500 feet in normal sunlight; some school buses may be equipped with 8 warning signal lamps; 4 **RED** and 4 **AMBER**; working in a automatic integrated system, which is acceptable provided it has 2 **RED** lamps on the front and 2 **RED** lamps on the rear. are not present, properly working, and in good condition.
- Signs (“SCHOOL BUS” not less then 8 inches in height on front and on rear of bus)



# SCHOOL BUSES

- Fire Extinguisher required (1 qt. size)
- Exterior Crossover (Convex) Mirror



# Failed Vehicles

- All vehicle inspections performed, pass, fail or required, shall be entered into the system
- If a vehicle fails the safety inspection, the owner/operator is allowed 15 days to return for one free inspection when the failing item(s) are adjusted and /or corrected.
- Inspector shall always obtain authorization from the vehicle owner/operator prior to making any repairs or adjustments
- Vehicle owner/operator may have repairs or adjustments completed by any qualified person of their choice.

# Emissions Affidavit Process for VIC Units

## Search for an Existing Vehicle Record

Enter VIN or Plate Number

VIN:

OR

License Plate Number:

Continue

Cancel Inspection

## Confirm Vehicle

VIN: WVWEK73CX6998**9989**

Plate:

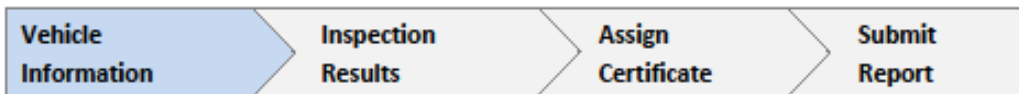
Vehicle: 2020 VOLKSWAGEN PASSAT

Confirm

Search Again

Enter Manually

# Start an Inspection




Vehicle: 2020 Volkswagen Passat KSH8564 (9989)

## Insurance Information


**Inspection Class:**

Required

Choose one 

**Vehicle Type:**

Required

Choose one 

## Vehicle Information

**Year:**

Required

**Make:**

Required

**Model:**

Required



**VIN:**

Required

**Re-enter VIN:**

**Fuel Type:**

Required

Choose one

**Does the vehicle have a license plate:**

Required

Yes  No

**Registration County:**

Required

Choose one



**Registration Expiration Date (MM/YYYY):**

**Odometer:**

Required

Readable



Continue

Cancel Inspection

DDD34D  
01234567



08  16

YOUR COUNTY

GK123456

Vehicle Registration



TEXAS DEPARTMENT OF PUBLIC SAFETY

**NOTICE**



The Texas Department of Transportation is phasing in a new design for all registration validation stickers. Registration validation stickers issued in emissions testing counties will **NO LONGER** have the **BAR** under the expiration date. It will be replaced with the **COUNTY NAME OF REGISTRATION** for **ALL** counties.

**Every gasoline-powered vehicle from 2 through 24 Model Years old AND registered in one of the following counties is required to be emissions tested:**

BRAZORIA  
COLLIN  
DALLAS  
DENTON  
EL PASO  
ELLIS

FT. BEND  
GALVESTON  
HARRIS  
JOHNSON  
KAUFMAN  
MONTGOMERY

PARKER  
ROCKWALL  
TARRANT  
TRAVIS  
WILLIAMSON

## Emissions Affidavit

### Warning

The vehicle being presented for inspection is subject to an emissions inspection. Choose 'Proceed' to record affidavit details or 'Cancel Inspection' to exit inspection sequence

Proceed

Cancel Inspection

# Emissions Affidavit

Affiant Name \_\_\_\_\_

Required

First Name:

Middle Name:

Last Name:

Suffix:

## Emissions Testing Exemptions \_\_\_\_\_

A Vehicle registered in an emissions county that is gas online-powered and two (2) to 24 years old must be emissions tested or qualify for the VIE-12 Affidavit. The current administrative rules prohibit stations, not certified to do emissions testing, from inspecting these vehicles unless the applicant can demonstrate they meet one of the following exemptions.

The vehicle being presented for inspection is EXEMPT from having to have an emissions inspection because:

- Vehicle is not subject to the Texas Vehicle Emissions Inspection and Maintenance Program because said vehicle is not and will not be primarily operated (driven, parked, or stored for 60 calendar days per testing cycle) in affected counties. I further certify that in the future if said vehicle is primarily operated in affected county, but operated outside an affected county: e.g. company fleet vehicle hunting vehicle, exempt from emission test on resale, etc.)
- Vehicle is no longer subject to the Texas Vehicle Emissions Inspection and Maintenance Program Because said vehicle is no longer and will no longer be primarily operated (driven, parked, or stored for 60 calendar days per testing cycle) in affected counties. I further certify that in the future if said vehicle is primarily operated in affected counties, said vehicle will be reinspected at an inspection station certified to do emissions testing (Registered in a affected county, but owner does not currently reside in an affected county and will not operate over 60 days per calendar year in an affected county, e.g., someone who moved from an affected county.)
- Will not return to an affected county prior to the expiration of the current inspection certificate. I further certify that immediately upon return to an affected county, said vehicle will be reinspected at an inspection station certified to do emissions testing. (Registered in an affected county and primarily operated in an affected county, but outside county upon expiration of inspection certificate; e.g. student, vacationer, extended out-of-town business, etc.)

Continue

Cancel Inspection

## Verify and Select Inspection Type

Vehicle  
Information

Inspection  
Results

Assign  
Certificate

Submit  
Report

Vehicle: 2020 Volkswagen Passat KSH8564 (9989)

### Insurance Information

Insurance Expiration Type:

- Date  Mileage  Exception Reason

Insurance Expiration Date (MM/DD/YYYY):

Required

### Inspection Type

Test Type:



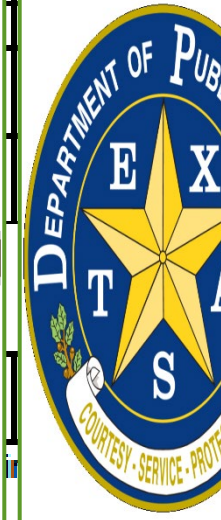

 

Continue

Cancel Inspection

Figure: 37 TAC §23.62(b)

### Violations and Penalty Schedule

Category	1 <sup>st</sup> Violation	2 <sup>nd</sup> Violation	3 <sup>rd</sup> Violation	4 <sup>th</sup> Violation
A				
B				
C				
D [Failing to possess a valid driver's license]				
E				
Administrative action [Failure to pay]				

**Remember, you have a responsibility to  
the motorist and to the citizens of Texas  
to ensure that their vehicles are**

**SAFE!**



**RETURN**