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:

- Road Test
- Inside the Vehicle
- Outside the Vehicle
- Underneath the Vehicle
- Under the Hood
OBJECTIVES

- 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

- The policy must meet minimum liability requirements
- VIN/Make & Model (should be taken from vehicle)
- No proof of insurance, do not inspect vehicle
After verifying vehicle insurance, CNG tank should be inspected (customer only needs to 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.
ROAD TEST
An Inspector should inspect the following items

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

<table>
<thead>
<tr>
<th>25 Ft</th>
<th>30 Ft</th>
<th>40 Ft</th>
<th>50 Ft</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Car" /></td>
<td><img src="image2" alt="Truck" /></td>
<td><img src="image3" alt="Truck" /></td>
<td><img src="image4" alt="Truck" /></td>
</tr>
<tr>
<td><img src="image5" alt="Motorcycle" /></td>
<td><img src="image6" alt="Bus" /></td>
<td><img src="image7" alt="Bus" /></td>
<td><img src="image8" alt="Bus" /></td>
</tr>
</tbody>
</table>

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.
## Inside the Vehicle

An Inspector should inspect the following items:

<table>
<thead>
<tr>
<th>Windshield Wiper Controls (On/Off Switch)</th>
<th>Horn</th>
<th>Turn Signals Indicator Lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mirror</td>
<td>Seat Belts</td>
<td>Brake Pedal Reserve</td>
</tr>
<tr>
<td>Parking Brake</td>
<td>Steering</td>
<td>High Beam Indicator Lamp (1948 &amp; up)</td>
</tr>
</tbody>
</table>
Every motor vehicle with a windshield must be equipped with a windshield wiper or wipers in good working order and constructed to permit operation and control by the driver of the vehicle.
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.
Remember: Selector switch must lock in proper turn position when applied but need not cancel automatically.
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.

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.

- 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 floorboard
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 operating properly
- Should not have pull cables that are badly stretched, frayed or not operating properly
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.

**Inspection Procedure:**

- Required on 1948 and newer
- Can be any color
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:**

- 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
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
REJECT IF:

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

Sealed Beam

Composite

High Intensity Discharge (HID)

Projection
LAMPS

Motor vehicles shall be equipped with:

- Head lamps (2; clear/white) 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”

NOTE: 50% of diodes must be functioning for LED Stop or Tail lamps to pass inspections

Rev. 04/2022
LAMPS

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

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; steady-burning when stop lamps are applied);


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
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 is an item or inspection on all vehicles
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
FUEL CAP

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

- Gasoline Engines Only
- Exempted Vehicles; diesel, vehicles registered as antique vehicles, motorcycles, slow-moving vehicles
- Fuel Cap not required on vehicles with a capless system
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 for vehicles 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 hardshell 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.
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 then 1” below top or reservoir or recommended level)
● 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
- Inspect Condition
MOTORCYCLE AND MOTOR-DRIVEN CYCLE

- Proof of Insurance
- Horn
- Mirror; 1 required
- Steering
- Brakes (system); equipped on all wheels; sidecars not required to have brakes
MOTORCYCLE AND MOTOR-DRIVEN CYCLE

Inspect

• 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”
• 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

- Check Proof of Insurance
- 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**
• 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\textsuperscript{nd})
- 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.
Vehicle Inspection Criteria

Buses & School Buses

Produced by Texas Department of Public Safety Regulatory Services Division

THIS TRAINING IS PROPERTY OF THE TEXAS DEPARTMENT OF PUBLIC SAFETY. DUPLICATION OF THIS MATERIAL IS PROHIBITED.
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
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
• All vehicle inspections performed, pass, fail or required, shall be entered into the system

• If a vehicle fails the 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: WVWEK73CX69989989

Plate:

Vehicle: 2020 VOLKSWAGEN PASSAT

[Buttons: Confirm, Search Again, Enter Manually]
Start an Inspection

Vehicle Information → Inspection Results → Assign Certificate → Submit Report

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

Continue  Cancel Inspection
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:

<table>
<thead>
<tr>
<th>BRAZORIA</th>
<th>FT. BEND</th>
<th>PARKER</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLIN</td>
<td>GALVESTON</td>
<td>ROCKWALL</td>
</tr>
<tr>
<td>DALLAS</td>
<td>HARRIS</td>
<td>TARRANT</td>
</tr>
<tr>
<td>DENTON</td>
<td>JOHNSON</td>
<td>TRAVIS</td>
</tr>
<tr>
<td>EL PASO</td>
<td>KAUFMAN</td>
<td>WILLIAMSON</td>
</tr>
<tr>
<td>ELLIS</td>
<td>MONTGOMERY</td>
<td></td>
</tr>
</tbody>
</table>
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
## Violations and Penalty Schedule

<table>
<thead>
<tr>
<th>Category</th>
<th>1st Violation</th>
<th>2nd Violation</th>
<th>3rd Violation</th>
<th>4th Violation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Advisory</td>
<td>$250</td>
<td>$500</td>
<td>6 month suspension</td>
</tr>
<tr>
<td>B</td>
<td>$500.00</td>
<td>12 month suspension</td>
<td>Revocation</td>
<td>Lifetime Revocation</td>
</tr>
<tr>
<td>C</td>
<td>12 month suspension</td>
<td>Revocation</td>
<td>Lifetime Revocation</td>
<td></td>
</tr>
<tr>
<td>D [Failing to possess a valid driver’s license]</td>
<td>Suspension until bar removed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>$500</td>
<td>12 month suspension</td>
<td>Revocation</td>
<td>Lifetime Revocation</td>
</tr>
<tr>
<td>Administrative action [Failure to pay]</td>
<td>Suspension, until penalty is paid in full</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Remember, you have a responsibility to the motorist and to the citizens of Texas to ensure that their vehicles are SAFE!