



**Annual Inspector Hands-On
 Tester Checklist**

Applicant _____ Date _____

Test Vehicle Description (Body, Chassis, Year)	Test Unit ID
Vehicle Type A B D Multifunction Bus Small Vehicle	

AIR BRAKES

1. Inside Brake Check - Air

- a. Warning Light/ Buzzer
- b. Park brake valve operation (PP-1)
- c. Air system build up time
- d. Cut-in & cut-out pressures
- e. Air consumption on one full application
- f. Air loss on full application held for 1 minute
- g. ABS system operation and light

2. Brake Valves Check - Air

- a. One-way valves
- b. Two-way valves
- c. SR-1 valve
- d. Safety valve

3. Under Bus Brake Checks

- a. Air dryer (if applicable)
- b. Tanks (wet. primary, & secondary)
- c. Hoses (routing and condition) and ABS wiring

4. Air Brake Checks (under the hood)

- a. Air compressor
- b. Drive belt (if applicable)
- c. Compressor, governor and line mountings
- d. Coolant lines & fittings
- e. Oil lines & fittings
- f. Filter system
- g. General condition and leaks

5. Air Brake Checks (foundation)

- a. Shoes and/or pads
- b. Measurement and documentation of shoes and/or pads (*Failure to measure and document appropriate readings will be an automatic failure.*)
- c. Mounting
- d. Drums and/or rotors (*Failure to measure and document appropriate readings will be an automatic failure.*)
- e. Measurement and documentation of drums and/or rotors
- f. Brake chambers
- g. Slack adjusters (*automatic test failure if not commented, not adjusting auto adjuster*)
- h. Calipers
- i. ABS tone ring and sensor

6. Air Brake Adjustment

- a. Verbalize adjusting brakes with automatic slack adjusters and document. (*automatic test failure with no comment on adjusting auto adjuster*)
- b. Demonstrate proper method of measure rod travel and document.



HYDRAULIC BRAKES

1. Inside Brake Check - Hydraulic
 - a. Warning light/gauge (if applicable)
 - b. Warning buzzer (if applicable)
 - c. Power assist system
 - d. ABS light (if applicable)
 - e. Parking brake pedal or hand lever
2. Brake Valves Check - Hydraulic
 - a. Load leveling valve
 - b. Proportioning or Combination valve
 - c. ABS valve or system
 - d. Pressure valve for electric/hydraulic boost
3. Under Bus Brake Checks
 - a. Lines
 - b. Parking brake cables
 - c. Parking brake
4. Hydraulic Brake Checks (under the hood)
 - a. Master cylinder for fluid level and leaks and fluid condition.
 - b. Lines for leaks, routing, and condition.
 - c. Power assist system for proper mounting and condition.
5. Hydraulic Brake Checks (foundation)
 - a. Shoes and/or pads
 - b. Measurement and documentation of shoes and/or pads
(Failure to measure and document appropriate readings will be an automatic failure.)
 - c. Mounting hardware
 - d. Calipers and wheel cylinders
 - e. Drums or rotors *(Failure to measure and document appropriate readings will be an automatic failure.)*
 - f. Measurement and documentation of drums or rotors
 - g. Self-adjusters
 - h. ABS tone ring and sensor
6. Hydraulic Brake (adjustment)
 - a. Applicant will demonstrate how to adjust brake & document (one front and one rear) according to manufacturer specification.

EXHAUST

1. Hangers and Shields
 - a. Hangers and shields condition
 - b. Hangers and shields security
 - c. Proper distance
2. Muffler, Manifold, and Turbo
 - a. Exhaust or oil leaks
 - b. Cracks
 - c. Gaskets/donuts
 - d. Emissions System
3. Exhaust Pipe; Tailpipe & Header Pipe(s)
 - a. Length
 - b. Leaks (visually inspection only)
 - c. Condition
 - d. Routing
 - e. Clamps

STEERING & SUSPENSION

1. Steering
 - a. Steering wheel
 - b. Steering column and shaft
 - c. Steering box
 - d. Steering pump
 - e. Pitman arm
 - f. Drag link
 - g. Steering knuckle
 - h. Tie rod and tie rod ends
 - i. Wheel bearings/kingspins or ball joints
 - j. Castle nuts/cotter pins
 - k. Steering stabilizer shock
 - l. Steering radius stops
2. Suspension
(One front and one rear axle):
 - a. Springs
 - b. Rubber spring/air suspension (if applicable)
 - c. U-bolts
 - d. Spring hangers, spacers, pins and bushings
 - e. Shocks
 - f. Stabilizer bars

TIRES AND WHEELS

1. Tread Depth and Inflation

- a. Tread depth
- b. Inflation pressure

2. Tire Matching

- a. Correct placement of radial or bias tires
- b. Tire sizes on each axle
- c. Size and tire tread on same axle

3. Tire and Wheel Condition

- a. Tires
- b. Lug nuts
- c. Wheels(rims)
- d. Valve stem caps

3. First Aid Kits

- a. Location
- b. Contents
- c. Mounting
- d. Kit size (rating)
- e. Number of kits required

4. Body Fluid Cleanup Kit

- a. Location
- b. Contents
- c. Mounting

IDENTIFICATION & BODY

1. Lettering and Paint

- a. Lettering size
- b. Clarity
- c. Paint colors
- d. ID coloring
- e. Placement

2. Body Interior

- a. Seats and panels
- b. Flooring
- c. Step well area
- d. Windows

3. Body Exterior

- a. Bumpers and tow hooks
- b. Body panels
- c. Hood latches

EMERGENCY EXITS & DOORS

1. Alarms

- a. Driver audible
- b. Switch condition
- c. Switch enclosure

2. Ignition Interlock Systems (if applicable)

- a. Back emergency door switches
- b. Side emergency door switches
- c. Emergency door and starter interlock warning buzzers
- d. Circuit wiring and solenoids

3. Emergency Exits

- a. Seals
- b. Latches
- c. Head bumper
- d. Door assembly and glass
- e. Aisle width at the door
- f. Flip seat (if applicable)
- g. Hold-open device

EMERGENCY EQUIPMENT

1. Emergency Reflectors

- a. Triangles
- b. Triangle storage box
- c. Triangle storage box mounting

2. Fire Extinguisher

- a. Fire extinguisher size and rating
- b. Operating mechanism
- c. Mounting
- d. Pressure gauge

FUEL SYSTEMS

1. Fuel Tank

- a. Tank mounting
- b. Leakage
- c. Tank venting
- d. Fuel filler cap
- e. Tank drain plug

2. Fuel Lines and Filters

- a. Leakage
- b. Mounting
- c. Condition

3. System Leaks

- a. Carburetor or injection pump for leaks
- b. Carburetor or injection pump mounting
- c. Transfer pump for leaks
- d. Transfer pump mounting

LIGHTING

1. Switches

- a. Operation
- b. Mounting

2. Eight Way Lights (complete system)

- a. Flashing frequency
- b. Visibility
- c. Operation and sequencing
- d. Pilot or indicator lights
- e. Stop sign and diaphragm (if applicable)

3. Lights

- a. Head lights
- b. Tail lights
- c. License plate lights
- d. Brake lights
- e. 4 way hazards lights
- f. Back up lights
- g. Interior lights
- h. Reflectors
- i. Clearance lights
- j. Turn signal lights
- k. Light monitor

SPECIAL NEEDS EQUIPMENT

(If equipped)

- a. Special needs equipment
- b. Lift - interlock (after Jan 2005)
 - a. Tie downs
 - b. Track floor & wall
 - c. CPS restraints - integrated seats
 - d. Other equipment tied owns (Oxygen)
 - e. Decals
 - f. Belt cutter
 - i. FMVSS 210 seat belt ready seat frames
 - j. Air conditioning