



## Annual Inspector Hands-On Test Checklist

Applicant \_\_\_\_\_ Date \_\_\_\_\_

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

### AIR BRAKES

#### Inside Brake Check - air

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Warning Light/ Buzzer</li> <li>2. Park brake valve operation (PP-1)</li> <li>3. Air system build up time</li> <li>4. Cut-in and cut-out pressures</li> <li>5. Air consumption on one full application</li> <li>6. Air loss on full application held for 1 minute</li> <li>7. ABS system operation and light</li> </ol> | <ol style="list-style-type: none"> <li>6. Measurement and documentation of drums and/or rotors</li> <li>7. Brake chambers</li> <li>8. Slack adjusters <i>(automatic test failure if not commented, not adjusting auto adjuster)</i></li> <li>9. Calipers</li> <li>10. ABS tone ring and sensor</li> </ol> |
|--|---|

#### Brake Valves Check - air

1. One-way valves
2. Two-way valves
3. SR-1 valve
4. Safety valve

#### Air Brake Adjustment

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

#### Under Bus Brake Checks

1. Air dryer (if applicable)
2. Tanks (wet. Primary and secondary)
3. Hoses (routing and condition) and ABS wiring

#### Air Brake Check (under the hood)

1. Air compressor
2. Drive belt (if applicable)
3. Compressor, governor and line mountings
4. Coolant lines and fittings
5. Oil lines and fittings
6. Filter system
7. General condition and leaks

#### Air Brake Check (foundation)

1. Shoes and/or pads
2. Measurement and documentation of shoes and/or pads *(Failure to measure and document appropriate readings will be an automatic failure of the test!)*
3. Mounting
4. Drums and/or rotors *(Failure to measure and document appropriate readings will be an automatic failure of the test!)*

## HYDRAULIC BRAKES

### Inside Brake Check - hydraulic

1. Warning light/gauge (if applicable)
2. Warning buzzer (if applicable)
3. Power assist system
4. ABS light (if applicable)
5. Parking brake pedal or hand lever

### Brake Valve Check - hydraulic

1. Load leveling valve
2. Proportioning or Combination valve
3. ABS valve or system
4. Pressure valve for electric/hydraulic boost

### Under Bus Brake Check

1. Lines
2. Parking brake cables
3. Parking brake

### Hydraulic Brake Checks (under the hood)

1. Master cylinder for fluid level and leaks and fluid condition.
2. Lines for leaks, routing, and condition.
3. Power assist system for proper mounting and condition.

### Hydraulic Brake Check (foundation)

1. Shoes and/or pads
2. Measurement and documentation of shoes and/or pads (*Failure to measure and document appropriate readings will be an automatic failure of the test!*)
3. Mounting hardware
4. Calipers and wheel cylinders
5. Drums or rotors (*Failure to measure and document appropriate readings will be an automatic failure of the test!*)
6. Measurement and documentation of drums or rotors
7. Self adjusters
8. ABS tone ring and sensor

### Hydraulic Brake (adjustment)

1. Applicant will demonstrate how to adjust brake and document (one front and one rear) according to manufacturer specification.

## EXHAUST

### Hangers and Shields

1. Hangers and shields condition
2. Hangers and shields security
3. Proper distance

### Muffler, Manifold, and Turbo

1. Exhaust or oil leaks

2. Cracks
3. Gaskets/donuts
4. Emissions System

### Exhaust Pipe/Tailpipe and Header Pipe(s)

1. Length
2. Leaks (visually inspection only)
3. Condition
4. Routing
5. Clamps

## STEERING and SUSPENSION

### Steering

1. Steering wheel
2. Steering column and shaft
3. Steering box
4. Steering pump
5. Pitman arm
6. Drag link
7. Steering knuckle
8. Tie rod and tie rod ends
9. Wheel bearings/king pins or ball joints
10. Castle nuts/cotter pins
11. Steering stabilizer shock
12. Steering radius stops

### Suspension (one front and one rear axle):

1. Springs
2. Rubber spring/air suspension (if applicable)
3. U-bolts
4. Spring hangers, spacers, pins and bushings
5. Shocks
6. Stabilizer bars

## **TIRES AND WHEELS**

### **Tread Depth and Inflation**

1. Tread depth
2. Inflation pressure

### **Tire Matching**

1. Correct placement of radial or bias tires
2. Tire sizes on each axle
3. Size and tire tread on same axle

### **Tire and Wheel Condition**

1. Tires
2. Lug nuts
3. Wheels (rims)
4. Valve stem caps

## **IDENTIFICATION and BODY**

### **Lettering and Paint**

1. Lettering size
2. Clarity
3. Paint colors
4. ID coloring
5. Placement

### **Body Interior**

1. Seats and panels
2. Flooring
3. Step well area
4. Windows

### **Body Exterior**

1. Bumpers and tow hooks
2. Body panels
3. Hood latches

## **EMERGENCY EQUIPMENT**

### **Emergency Reflectors**

1. Triangles
2. Triangle storage box
3. Triangle storage box mounting

### **Fire Extinguisher**

1. Fire extinguisher size and rating
2. Operating mechanism
3. Mounting
4. Pressure gauge

### **First Aid Kits**

1. Location
2. Contents
3. Mounting
4. Kit size (rating)
5. Number of kits required

### **Body Fluid Cleanup Kit**

1. Location
2. Contents
3. Mounting

## **EMERGENCY EXITS and DOORS**

### **Alarms**

1. Driver audible
2. Switch condition
3. Switch enclosure

### **Ignition Interlock Systems (if applicable)**

1. Back emergency door switches
2. Side emergency door switches
3. Emergency door and starter interlock warning buzzers
4. Circuit wiring and solenoids

### **Emergency Exits**

1. Seals
2. Latches
3. Head bumper
4. Door assembly and glass
5. Aisle width at the door
6. Flip seat (if applicable)
7. Hold-open device

## FUEL SYSTEMS

### Fuel Tank

1. Tank mounting
2. Leakage
3. Tank venting
4. Fuel filler cap
5. Tank drain plug

### Fuel Lines and Filters

1. Leakage
2. Mounting
3. Condition

### System Leaks

1. Carburetor or injection pump for leaks
2. Carburetor or injection pump mounting
3. Transfer pump for leaks
4. Transfer pump mounting

## LIGHTING

### Switches

1. Operation
2. Mounting

### Eight Way Lights (complete system)

1. Flashing frequency
2. Visibility
3. Operation and sequencing
4. Pilot or indicator lights
5. Stop sign and diaphragm (if applicable)

### Lights

1. Head lights
2. Tail lights
3. License plate lights
4. Brake lights
5. 4 way hazards lights
6. Back up lights
7. Interior lights
8. Reflectors
9. Clearance lights
10. Turn signal lights
11. Light monitor

## SPECIAL NEEDS EQUIPMENT (if equipped)

1. Special needs equipment
2. Lift - interlock (after Jan 2005)
3. Tiedowns
4. Track floor & wall
5. CPS restraints - integrated seats
6. Other equipment tiedowns (Oxygen)
7. Decals
8. Belt cutter
9. FMVSS 210 seat belt ready seat frames
10. Air conditioning