

School Bus Inspection Procedures 03-24-08
Set Parking Brake/Chock Wheels/ Use Safety Equipment

<u>WALK AROUND</u>		<u>UNDER VEHICLE</u>
<p>W-1 Left Front of Vehicle: Headlights Low / High Beam Clearance Lights / ID Lights Left Turn Signal / Right Turn Signal Hazard Warning Lights Activate Overhead 4 Light System, if equipped, or: Overhead 8 Light Systems Activate Yellow Lights Open Service Door / Red Overhead Lights / Stop Arm / Crossing Arm Open Service Door / Cancel Overhead Light / Verify Overhead Don't Re-Activate (Non Sequential) Light Mounting / Lens Orientation / Proper Color / Condition Mirror Securement Both Sides of Vehicle Markings / School Bus / School Name / Number Windshield Condition</p>	<p>W-3 Left Rear of Vehicle: Overhead Light Operation, 4 or 8 Light Systems Left Turn Signal / Right Turn Signal Hazard Warning Lights Stop / Tail Lights Back up Lights & Sound Indicator, if applicable Light Mounting / Lens Orientation / Proper Color / Condition Strobe Light Rear Reflectors Markings / School Bus / School Name / Number Molding around Windows Bumper Securement / Gaps Accessories i.e., Auxiliary Heaters / Air Conditioning Unit, ect. Record Plate / Vehicle Number Tail Pipe / Length / Restriction Install Hose on Exhaust Pipe</p>	<p>U-1 Jack Vehicle Up: King Pins / Thrust Washers / Ball Joints / Wheel Bearings</p> <p>U-2 Brake Inspection: Drum / Linings /Rotor / Pads Wheel Seals /Leaks / Lining or Pad Contamination Chambers / Slack Adjusters / S- Cams / Calipers Hoses / Lines / Tubes Air / Hydraulic Leaks Brake Stroke / Measure Per CVSA O/S Criteria /Balance (Side to Side) Valves / Threadle / Quick Release / Proportioning / Relay / Inversion / Solenoid / Check / High Pressure Relief Air Tank / Tanks / Securement / Ground Clearance Air Dryer / Operation / Heater ABS / Operation / Indicator Lights</p>
<p>W-2 Left Side of Vehicle: Reflectors / Running Lights / Clearance Lights / All Other Lights Body Condition / Rust / Damage / Sharp Edges / Protrusions Battery Box / Securement / Door / Battery Size Markings / School Name / Numbers / DOT Number if applicable Glass Condition / Chips /Cracks / Fogging Side Emergency Door / Markings / Reflective Tape / Prop Rod / Flip Seat, if applicable Tires / Wheels / Lugs / Wheel Seal</p>	<p>W-4 Rear Emergency Exit Door: Door Opening no <90 or > 180 Markings / Emergency Door Id / Lift to Open / Reflective Tape Buzzer, / Handle and Safety Bar Molding / Framing / Floor / Flange Ignition Interlock System if Equipped</p> <p>W-5 Right Side of Vehicle: Repeat Same Step as Left Side of Vehicle plus: Fuel Cap / Tightness / Gasket / Fuel Access Lift door / Molding / Switch if equipped / Securement Chain Lift / Securement / Operation / Platform End Gates Service Door / Glass Condition / Molding</p>	<p>U-3 Steering & Suspension Inspection: Gear Box / Mounting Bolts / Steering Arm / Drag Link / King Pin / Steering Knuckle / Tie Rod Ends / Tie Rod Bar / Cotter Pins Power Steering Lines / Hoses / Operation / Leaks Leaf Springs / Air Bags / Hangers / Shackles / Pins /U- Bolts /Mountings Shock / Shock Connectors Tire Tread Depth / Side Walls / Cuts / Cracks / Bulging Wheels / Rims / Lugs / Seals / Valve Stem Location</p> <p>U-4 Under Vehicle Inspection, Front Axle: Starting at the Right Front Corner Moving Across the Front Check All Applicable Items of U-2 and U-3 as well as; Main Frame Rails Cross Frame / Motor Mounts Radiator Core Mounting Bracket</p>

<u>UNDER VEHICLE</u>	<u>UNDER HOOD</u>	
<p>U-5 Under Vehicle Inspection, Middle: Starting at the Rear of the Left Front Tire Continuing Towards the Rear Of the Vehicle Check All Applicable Items of U-2 and U-3 as well as; Oil Pan / Transmission Pan / Driveshaft Drum Rear Engine Mounts Body Mounts to Cowl /Body Mountings / Spacers / Front Body Support / K- Frame / Step Well / Battery Box Frame Rails / Frame Cross Members / Carrier Bearings / Drive Shaft Guards / Drive Shafts / Drive Yoke / U- Joints Fuel Tank / Mounting / Caging / Lines /Leaks Exhaust Pipes / Hangers / Clamps / Shields /Leaks</p>	<p>H-1 Under Hood: Front of Vehicle Under Hood Brake Booster / Master Cylinder / Threadle Valve Line / Hoses / Tubes Leaks / Oil / Water / Power Steering Fluid / Fuel / Transmission Belts / Tension / Condition Fluid Levels / Brake / Power Steering / Power Assist / Washer Steering Shaft (Input) to Gear Box Wiring Harness / Wiring Systems Wiring Components / Brake Booster Solenoid / Relays Holes in Fire Wall Frame Condition Exhaust Manifold / Turbo / Pipes and Tubing Hood / Mounts / Stop Cables and Springs / Condition Convex Mirror Condition Brake Operation / Stroke Tie Rod End / Drag Link / Operation / Condition</p>	<p>I-2 Drivers Seat Cont.: Apply Brake Check P/S Booster Capacity Low Air Warning Buzzer / Low Vacuum Warning Set Parking Brake / Build Air Pressure from 50 to 120 PSI, Check Build Up Time (Less Than 3 Min.) Listen at Approximately 120 PSI for Cut Out Pressure Operation / Air Dryer Purge Valve Operation Release Parking Brake, Apply Service Brake, Hold for 1 Min Check For Leaks / Apply and Hold Service Brake, Switch Ignition On, Listen For Solenoid or Modulator Valve Prove Out Cycle Test (ABS Only) Set Park Brake Conduct Stall Test / Forward / Reverse Steering Free Play / Lash Glass in Drivers Viewing Area / Condition / Fogged / Cracked / Obstructed Mirror Field of Vision / Rear View Mirror / Interior / Convex</p>
<p>U-6 Under Vehicle Inspection, Rear Axle: Starting at the Rear of the Left Rear Tires Continuing Towards the Rear Of the Vehicle Check All Applicable Items of U-2, U-3, U-4 and U-5</p>	<p><u>INTERIOR</u></p>	<p>I-3 Passenger Compartment: Visual Inspection of Seats Foams / Height / Symmetrical / Displaced Forward or Rearward / Frame Outline Visible in Cover Seat / Stantion / Cuts or Tears in Covering Material Seat Back / Sheet Metal / Securement Barriers / Sheet Metal / Securement Seat Frames / Securement / Spacing Seat Bottoms Securement Restraints / Seat Belts / Loop Belts / Cam Wrap / Child Seat / Other Interior Skin of Passenger Compartment / Side & Roof Panels Roof Bows / Bulkheads / Body Frame / Side Walls Windows / Frames / Molding / Securement / Condition of Glass Floor Integrity / Support / Soft Spots Floor Covering / Trip Hazard / Metal Floor Striping / Trac Seating Rails Wheel Chair Stations / Restraints / Proximity to Emergency Exit Emergency Exits / Windows / Roof Hatch / Operation / Markings / Instructions / Buzzer / Condition</p>
<p>U-7 Under Vehicle Inspection, Brake Performance Test: Build Air Pressure to 100 PSI Min. Drain Primary Tank to Zero, Release Parking Brake. Apply Service Brake, Check Brake Lights, Release Service Brake, Pump Service Brake Till Parking Brake Applies (Min of Three Applications). Start Engine and Build Air Pressure. While Building Air Pressure and Parking Brake Applied Attempt to Move The Vehicle, Trans Selector in Drive, (900 RPM Max. Diesel, 1000 RPM Max. Gas) After Air Pressure has Built Up to 120 PSI, Shut Off Engine. Apply Service Brake, Check for Air Leaks. Release Service Brakes. Drain Secondary Tank to Zero, Apply Service Brake, Check Brake Lights. Release Service Brakes. As Each Tank is Drained Have Driver Advise When Each Low Air Warning Buzzer Activates and That Only One Needle has Dropped All Brake Stroke Should Be Measured With 80-100 PSI Available As Engine is Running to Build Air Pressure, Check Exhaust for Leaks & Cycle Steering From Lock to Lock to Check Stops / Freedom of Movement</p>	<p>I-1 Step Well: Step Well Tread / Trip Hazard / Light Bounce on Step Step Rail / Snagging Hazard / Securement Emergency Equipment / Securement / Location / Condition</p> <p>I-2 Drivers Seat: Drivers Seat Mounting Seat Belt / Condition / Operation /Securement Turn on Headlights / Instrument Panel Lights / Indicator Lights Turn on Overhead Lights / Monitor Board / Pilot Lights Turn Signals Cancel Properly Service Door / Operation / Molding / Step Light Horn Neutral Safety Switch Wipers / Washers All Switches / Operation / Condition Key On / Key Off – Check Hydraulic Brake Motor / Cycle Wheel,</p>	