

## St. Mary's County Non-Public School Bus Specifications -2017/18 School Year

Buses must meet all applicable federal standards and the Code of Maryland Regulations COMAR 11.19.02 to 11.19.02.37, Type I School Vehicles Construction Standards.

The following specifications pertains to 72 or 66 passengers capacity conventional or transit rear engine buses.

### CHASSIS

- **Brakes:** Antilock Brakes- Hydraulic or vacuum assist or optional air brakes with a parking brake.
- **Fuel Tank:** Minimum 60 Gallon fuel tank
- **Cooling system:** As specified by the engine manufacturer
- **Engine:** Minimum Engine shall be a 210 HP diesel engine
- **Exhaust system:** The exhaust system shall include exhaust manifold and gaskets, piping to muffler or tailpipe. The exhaust tailpipe is to be deflected slightly downward and to street side of emergency door. The system must meet required State of Maryland emissions standards.
- **Transmission:** Automatic transmission
- **Alternator:** Shall have minimum output of 270 amps with 120 amperes output at engine speed of 800 rpms.

### BODY

- **Entrance:** Three steps, no half steps
- **Identifications:** All lettering shall be black on yellow:  
“STOP ON SIGNAL”, “4” x 3/4” is located below rear window of the bus. Bus numbers are located right and left sides of the bus – one located below first passenger window. The rear number is located above rear bumper and below the window line; the front number is located on right front bumper.  
  
“ST. MARY’S COUNTY SCHOOLS” lettering is located on both sides at the beltline centered “6” x 1”. “SCHOOL BUS” lettering is located on the top panels on the front and back of bus to be made of reflective tape.

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- **Roof Vent/Emergency Exit Safety Vents:** Vents shall have ventilation features. The two (2) vents are located in the ceiling in the front and rear of the bus with inside and outside handle openings.  
Emergency side exit service door, window and exits must be marked - "EMERGENCY EXIT" or "EMERGENCY DOOR". As per COMAR regulations.
- **Snow Rail:** Full length of the bus body skirt
- **Seats (passenger) seating plan:** - 3 passengers per seat
- **Shoulder Rail Pad:** Full length of the student seating area, made of the same material as seats.
- **Roof:** Strobe light is located in the top center of the bus mounted strobe light with a brush guard ( Recommended- Bus Number# on roof)
- **Tinted Glass:** Glass shall be at least 28% of light transmission where permissible maximum, tinting is allowed on other windows.
- **Crossing Control Arm:** Air or electric crossing control arm is located in front of the bus shall be activated simultaneously with the stop arm.
- **Ceiling:** 77" Full acoustic minimum ceiling
- **Under coating:** Full undercoating of the bus
- **Emergency Equipment:** Fire extinguisher & triangles, first aid kit and a body fluid clean up kit
- **Heaters:** 3 floor heaters; one is located left front: minimum of 90,000 BTUs, right front a minimum of 50,000 BTUs, and one rear one with a minimum 50,000 BTUs.
- **Side Mirrors:** Mirrors shall be heated & remote controlled by the driver.
- **Accessory Power: block or power strip**
- **Radio:** AM-FM radio with PA system
- **Video Camera Recorder System:** Not required at this time.
- **Storage Compartment:** To be installed above the driver's side window.
- **Noise Reduction Package:** Full body of bus.

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- **Child Reminder System:** MODEL CR2A or similar substitute. System must activate by one of the following conditions:
  1. The bus goes over 20 mph, or
  2. Bus using 10 minute timer after the ignition is turned on, or
  3. The service brake is applied, or
  4. The ignition is “on”
- **Defroster Fans:** Two (2) defroster fans for front window shield
- **Driver's Dome light:** Light shall be on separate switch.
- **Interior Lights:** 72or 66 passenger buses shall have a minimum of 3 ceiling lights per side in passenger area (does not include driver area).
- **Daytime running Lights:** Bus shall have daytime running lights.
- **Gauges:** Gauges are Fuel, Speedometer, Odometer, Oil Pressure, Tachometer, Coolant Temperature, Voltmeter, Battery (Air pressure gauge, if equipped).
- **Barrier:** Barrier behind driver shall be cover with storage pockets.
- **Wipers:** Intermittent wipers for drivers front windshield
- **Loading rear exterior lights :** Exterior LED lights only
- **Air Conditioning System** - Full bus air conditioning system.