

## **2012 SCHOOL BUS SPECIFICATION ADDENDUM**

All school buses shall be set for a maximum speed of 65mph and in the economy mode prior to delivery. County Transportation Directors may apply for a waiver to the West Virginia Department of Education's Executive Director of School Transportation.

Gear ratios shall be determined for the most economical mode and verified with the West Virginia Department of Education's Executive Director of School Transportation.

A maximum idle time shall be set at 10 minutes.

### **BRAKES**

- B. ABS automatic traction control system shall be standard on units with air brakes
- B. 1. d. Be protected by a desiccant typed air dryer, with an ADIP or equal spin-on replaceable filter.
- B.2.g. A Schrader valve to charge the school bus air system in the event of a compressor failure shall be provided
  - h. Park brake release shall not be affected by any electrical failure.
  - i.. Have at least 7" X 16 ½" brake blocks.
  - j.. Be equipped with MGM long stroke welded clevis air chambers or equivalent.
  - k. Be equipped with ArvinMeritor slack adjusters or equivalent.
  - l. Rear axle shall be equipped with oil deflector (that will direct oil from the brake surface).  
EXCEPTION: Vehicles under 35 passenger.

### **DIFFERENTIAL**

- A. Purchaser shall specify differential ratios when order is submitted to chassis dealer.
- B.. Speed will not exceed 70 miles per hour.

### **EXHAUST SYSTEM**

- A. Exhaust pipe, After Treatment Device and tailpipe shall be outside the bus body and attached to the chassis, with hangers designed to accommodate expansion and contraction of the system without damage to the system or hanger(s).
- B. Tailpipe shall be constructed according to manufacturers' standard.

**FUEL, ALTERNATE**

- C. Compressed Natural Gas (CNG) or Propane

**HORN(S)**

- D. Covers shall be provided to keep moisture out of horns.

**INSTRUMENTS AND INSTRUMENT PANEL**

- A3. Voltmeter with graduated scale to 16 volts. EXCEPTION: Ammeter may be substituted on Type AI and B vehicles under 35 passengers.
- 10. Automatic transmission temperature gauge. EXCEPTION: Type AI and B vehicles under 35 passengers.
- 11. Tachometer. EXCEPTION: Type AI and B vehicles under 35 passengers.

**POWER AND GRADEABILITY**

**DIESEL POWER**

Passenger Capacity 84 - 90	Minimum Gross Horsepower/Torque 250HP/620
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- 5. Warranty for the engine shall be 5 years/100,000 miles. All available warranty information must be provided to the purchaser.
- 6. Noise acoustical abatement package is recommended. EXCEPTION: Rear engine vehicles.

**CONSTRUCTION**

- G. Bus body shall meet the Colorado Rack Test

**DOORS**

- A. Service Door
  - 3. Service door shall have minimum horizontal opening of 24" and minimum vertical opening of 68".

**EMERGENCY EXITS**

- E. Each emergency exit shall comply with FMVSS 217 and the present adopted version of the National School Transportation Specifications.

## **GLAZING**

Tinted glass may be installed in all doors, windows and windshield. Tinted plastic, which complies with all applicable standards, may be installed in windows to the rear of the operator's compartment.

## **HEATERS**

- K. There shall be a water flow control method to control temperature installed for convenient operation by the operator.

## **STEPS**

- D.2. The step tread shall have a 1.5" white, skid resistant, pebble type nosing that contrasts in color by at least 70% measured in accordance with the contrasting color specification in 36CFR, Part 1192, ADA of the current National School Transportation Specification and Procedure and is an integral piece without any joint extending to the leading edge of the nosing turndown. The vertical surface of the nose shall be smooth.

## **STORAGE COMPARTMENT**

Two metal compartments of adequate strength and capacity for storage of tire chains, tow chains, and such tools as may be necessary for minor repairs shall be provided. Such storage compartment shall be located outside passenger compartment. The dimensions of this compartment shall be approximately 25" long, 16" wide and 12" high, mounted below the floor.

EXCEPTION: Type AII vehicles are not required to meet this standard.

## **TRANSMISSION**

- A. Warranty for the transmission shall be 5 yrs. unlimited mileage.

## **WINDSHIELD AND WINDOWS**

- F. Latch shall be designed to latch positively and securely.

## **WIRING**

- I. There shall be a manual noise suppression switch installed in the control panel. The switch shall be labeled and alternately colored. This switch shall be an on/off type and shall not be momentary type that de-activates body equipment that produces noise, including at least, the AM/FM radio, heaters, air conditioners, fans and defrosters. This switch shall not de-activate safety systems, such as windshield wipers or lighting systems.

## **SPECIAL EDUCATION SCHOOL BUS**

### **FASTENING DEVICES**

A.9. The floor anchorage track system shall consist of 4 tracks and shall be “L” type.

### **FIRE BLANKET**

A fire blanket shall be provided with a storage pouch mounted to the wall conveniently located and identified as a fire blanket. The fire blanket shall meet CRR 16 part 1610 standard for flammability of clothing. Blanket shall be approximately 62 inches X 80 inches.