**Section 436.APPENDIX F Fuel Storage and Delivery System through Horn**

a) FUEL STORAGE AND DELIVERY SYSTEM

PROCEDURES/SPECIFICATIONS:

Entire fuel system, except extensions for driver control of air or fuel, must be outside passenger and driver compartment.

REJECT VEHICLE IF:

Any part of fuel system, except extensions for driver control of air or fuel, is within passenger/driver compartment.

1) Fuel Filler Cap

PROCEDURES/SPECIFICATIONS:

Meets manufacturer's specifications. Must be the same as or equivalent to original equipment.

REJECT VEHICLE IF:

Fuel filler cap is defective or missing.

2) Fuel Lines

PROCEDURES/SPECIFICATIONS:

Firmly attached. No leakage, seepage, abrasion, or chafing. Inside engine compartment, the chassis manufacturer's standard shall govern separation and shielding between parts designed by chassis manufacturer.

REJECT VEHICLE IF:

Fuel lines are cracked, leaking, insecure mounting, damaged, clamps missing, mount clips missing or not separated.

3) Fuel Filler Tube

PROCEDURES/SPECIFICATIONS:

Check condition.

REJECT VEHICLE IF:

Fuel filler tube leaks or is not secure.

4) Fuel Pump

PROCEDURES/SPECIFICATIONS:

Check condition.

REJECT VEHICLE IF:

Fuel pump leaks, is damaged or is not secure.

5) Fuel Tanks

PROCEDURES/SPECIFICATIONS:

Minimum capacity of 24 gallons, mounted, filled, and vented entirely outside body. Must meet manufacturer's specifications (49 CFR 571.301).

REJECT VEHICLE IF:

Fuel tanks have leakage, seepage, or abrasion; hole or crack that would leak or seep when tank is full.

6) Fuel Tank Mounts

PROCEDURES/SPECIFICATIONS:

Check condition.

REJECT VEHICLE IF:

Fuel tank mounts are cracked or loose or bolts are missing.

7) Fuel Tank Straps

PROCEDURES/SPECIFICATIONS:

Check condition.

REJECT VEHICLE IF:

Fuel tank straps are cracked, loose, or missing.

b) GRAB HANDLES

1) Exterior

Not required.

2) Interior

PROCEDURES/SPECIFICATIONS:

Stainless steel clad solidly attached on the left side of the entranceway as a person enters the bus and as long as practicable. An optional grab handle can also be located on the right side of the entranceway.

Draw a ½ inch hexagon nut attached to a string through the junction where the grab handle attaches to the lower step well.

REJECT VEHICLE IF:

Interior grab handles are missing or are not solidly attached.

Nut becomes lodged on the grab handle. (Retrofit kit is required.)

c) HEATERS

PROCEDURES/SPECIFICATIONS:

Nameplate must identify manufacturer and heater rating capacity. Must be capable of maintaining inside temperature of 50°. The heater hoses shall be supported to guard against excessive wear due to vibration and shall not interfere with or restrict the operation of any engine function. Any hose in the passenger compartment shall be protected to prevent injury from burns in the event of rupture. If heater is not protected by a seat, it must be padded.

Auxiliary fuel-fired heating systems are permitted, provided they comply with the following:

1) The auxiliary heating system fuel shall utilize the same type of fuel as specified for the vehicle engine;

2) The heater or heaters may be direct hot air or connected to the engine's coolant system;

3) An auxiliary heating system, when connected to the engine's coolant system, may be used to preheat the engine coolant or preheat and add supplementary heat to the bus' heating system;

4) Auxiliary heating systems must be installed pursuant to the manufacturer's recommendations and shall not direct exhaust in a manner that will endanger bus passengers;

5) Auxiliary heating systems that operate on diesel fuel shall be capable of operating on:

A) a hot water and/or combustion type heater; or

B) if only one heater is used, a fresh-air or combination fresh-air and recirculation type heater; or

C) blended diesel fuel without the need for system adjustment; and

6) The auxiliary heating system shall be low voltage.

REJECT VEHICLE IF:

Heater is missing; in poor working condition; defective hoses, supports or baffles; not firmly attached or not padded when required.

d) HOOD

PROCEDURES/SPECIFICATIONS:

Open hood and inspect safety catch and hinges for proper operation. Close hood and inspect for proper full closure. Manually inspect latches or remote control for proper operation.

REJECT VEHICLE IF:

Hood does not open or hood latches do not securely hold hood in its proper fully-closed position. Secondary or safety catch does not function properly. Hinge is broken, missing or not attached to body.

e) HORN

PROCEDURES/SPECIFICATIONS:

At least one horn shall be provided giving an audible warning at a distance of 200 feet and shall be conveniently controlled from the operator's seated position. (See Section 12-601 of the Illinois Vehicle Equipment Law.)

Optional exterior air horn is permitted.

REJECT VEHICLE IF:

Horn control is missing or defective or horn is not audible.