

YELLOW BUS/MFSAB PRE-USE INSPECTION FORM (TR-F-27B)

Revised 3/22

These Items To Be Inspected Before The Vehicle Goes Into Service!

ENTITY NAME _____ LICENSE PLATE # _____
 MAKE OF BODY _____ MAKE OF CHASSIS _____
 VEHICLE YEAR _____ BUS TYPE: TYPE: A ___ B ___ C ___ D ___ MFSAB ___
 FUEL TYPE: DIESEL ___ GAS ___ ALTERNATIVE FUEL ___ (SPECIFY ALT. FUEL TYPE) _____
 VEHICLE: RATED CAPACITY _____ GVWR _____ VIN _____

1. A/C UNIT PROPERLY INSTALLED (if equipped)	
2. AIR CLEANER - furnished & installed properly	
3. ALTERNATOR - A, B, C, & D buses – minimum 130 amps	
4. BACKUP ALARM (meeting SAE J994B) minimum 112dBA	
5. BATTERY SYSTEM: 12 volts tested at 0-degree F	
a. Gas Engine: (less than 10,000 lbs GVWR)	
125 Min Reserve & 450CCA. Capacity:	
b. Gas Engine: (greater than 10,000 lbs GVWR)	
150 Min Reserve & 500CCA. Capacity:	
c. Diesel Engine: (ALL)	
200 min reserve & 1000 CCA. Capacity	
d. Battery Hold Downs:	
e. Battery Compartment: top surface area non-conductive	
6. BRAKES:	
a. Service Brakes: functioning	
b. Booster (hydraulic brakes): functioning	
c. Parking Brakes: functioning	
d. All Brake Warning Lights & Alarms Operational	
e. Air Dryer: (when applicable) meets or exceeds Bendix Model AD9 with heater, self-purging	
f. Automatic Slack Adjusters: (all air systems)	
g. Air Compressor: (when applicable) min. 12.0 CFM/Minute	
7. BUMPER - front: installed	
8. BUMPER - rear: installed (ethanol sticker – gasoline buses)	
9. BUMPER: TOW HOOKS	
a. 14,501 lbs GVWR or greater (2-required-front)	
b. Rear tow hooks required-all models	
10. CHILD CHECK MONITOR: installed and operational	
11. CLUTCH: Starter interlock switch installed & working	
12. CROSSING GATE: (Not required on Type D)	
a. Operates with stop arm system	
b. Arm 70” when extended (minimum)	
c. Quick disconnect feature for removal	
d. Pressure sensitive reverse feature	
e. Single cycle interrupt switch at driver’s console	
13. DEFROSTERS	
14. DOCUMENT COMPARTMENT	
15. DRIVE SHAFT - One metal guard per section	
16. EMERGENCY EQUIPMENT:	
a-1. First aid kit a-2. Disposable body fluid kit	
b. Fire extinguisher (minimum 2A10BC rating; 5#)	
c. Triangular reflectors	
d. Webbing cutter (driver accessible)	
e. All emergency equipment secured	
17. EXHAUST:	
a. Exits at rear-flush with rear bumper	
b. Left side exit-18” or less fwd of wheel housing front edge	
c. Left side exit-does not extend beyond body side	
d. 15,000# & > GVWR-does not exit beneath fuel fill or doors	
18. FANS – AUXILIARY (2 mounted) type B, C, & D buses	
19. FUEL TANK - secure, crash barrier installed	
20. GAUGES & INDICATOR LIGHTS:	
a. Speedometer	
b. Odometer	
c. Air (air brakes)	
d. Vacuum (hydraulic brakes) or low vac. warning lights	
e. Voltmeter	
f. Oil pressure gauge	
g. Water temp. gauge	
h. Fuel gauge	
i. Turn signal indicators	
j. Headlamp-high beam indicator	
k. Glow plug indicator (diesel engine)	
21. HEAD LIGHTS - hi/low features	

22. HEATERS - (body manuf. installed with name/spec. plate)	
23. HEATERS - (Front & Rear)	
24. HEATER HOSES SECURED/GUARDED	
25. HORNS - dual horns, operating	
26. LD. SIGNS: a. school name, school bus (proper size)	
b. ‘No Smoking’ sticker per Iowa DPH administrative code	
27. LAMPS AND SIGNALS:	
a. Headlights (high/low beam) DRL system required	
b. Clearance lights (2 amber front/2 red rear)	
c. Intermediate side marker lamp (2-one on each side at mid-pt)	
d. ID lights (3 amber front, 3 red rear)	
e. Backup lights: (Type A=4” min, Types B,C,D=7” min)	
f. Stop/Tail Lights, rear (Service brake activated)	
2–7” inside turn signals (upper)	
2–4” between belt line & floor line on ea.side of emerg door	
Type A-II – manuf. standard stop/tail lamps	
g. License plate lamp	
h. Step well lights (services door operated switch)	
i. Supervisor’s light-rear-most ceiling light, separate switch	
j. Ceiling lights	
k. Driver’s dome light, separate switch	
l. Instrument panel lights, rheostat controlled	
m. Strobe light indicator	
n. turn signals- amber side mounted, type A, B, C,& D buses	
28. LAMPS - WARNING: a. 2 amber & 2 red front and rear	
b. pilot lights (1 amber, 1 red)	
29. MASTER WIRING DIAGRAM SUPPLIED	
30. MIRRORS: a. Interior	
b. Rear view (outside) (heated) (remote controlled)	
c. Cross over mirrors in place, secure (heated)	
31. MUD FLAPS (front & rear) Rubber	
32. REFLECTORS: a. Securely Attached 30”-42” from ground	
b. 2 amber--one back of door entrance rt.side, lt.side-same loc.	
c. Vehicles over 30 ft long-2 amber at mid-pt between f & r ref	
d. 2 red--one on each side of body	
e. 2 red--one on each side of rear	
33. ROOF HATCHES/EMERGENCY EXITS:	
a. 0 to 42 passenger: 1 exit per side & 1 roof hatch	
b. 43 to 78 passenger: 2 exits per side & 2 roof hatches	
c. 79 to 90 passenger: 3 exits per side & 2 roof hatches	
d. Alarms: (window & hatch), installed and operational	
34. RUB RAILS	
35. SEATS – PASSENGER: a. Secured properly	
b. Equipped with lap/shoulder belts (effective 10/2/19)	
36. SEAT – DRIVER’S:	
a. Secured with nuts, bolts & washers	
b. High back design – back adjusts minimum 15 degrees	
c. Multi-position adjustment by driver	
d. Lap belt/shoulder harness (high visibility effective 7/16/14)	
37. SERVICE DOORS/EMERGENCY EXITS	
38. SHOCK ABSORBERS - double acting front & rear	
39. SPRINGS/SUSPENSION:	
a. Rear Springs--Leaf Type progressive or multistage	
b. Front Springs--Leaf Type, wrapped, one stationary eye	
40. STOP ARM/STOP ARM LAMPS	
41. STROBE LIGHT	
42. SUN SHIELD	
43. THROTTLE Mechanical or Electric Locking (Type C & D)	
44. TIRES – tread depth and radial construction	
45. UNDERCOATING on underside of metal body panels	
46. VANDAL LOCKS – Optional, must work if so equipped	
47. WINDSHIELD WIPERS/WASHERS	

SIGNATURE _____
 INSPECTION DATE _____ LOCATION _____

PLEASE RETURN A PHOTOCOPY OF THE COMPLETED FORM TO: SCHOOL TRANSPORTATION, IOWA DEPT OF EDUCATION, GRIMES STATE OFFICE BLDG, 400 E 14th STREET, DES MOINES, IA 50319-0146 or SCAN/EMAIL A COPY TO YOUR INSPECTOR