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B. OUTSIDE BUS

1. Headlights, Turn Signals, Hazard, Side Marker, Brake Lights, Tail Lights, Backup Lights, Backup Alarm (if equipped), and Park Lights

Inspection Procedures:	Repair (or note) if:	Out of Service if:
a. Headlights		
Check both headlights for brightness, operation, condition of sealed beams, and visible misaiming. Check high beam indicator operation and headlight switch.	Left and right sealed beams are of different type (halogen vs. conventional; repair).	Either sealed beam does not light on low and high. Any sealed beam lens is fogged, cracked, or light is dim. High beam indicator doesn't light. Dimmer switch sticks, is hard to operate, or doesn't function. Headlight switch is damaged, not securely mounted, or knob is missing. Lights go out after being on a short time, or operation is intermittent. Upon visible inspection, there is any obvious misaiming of headlights.
b. Turn Signals		
Check turn signals (including bulbs and lenses) for operation, condition, and specifications (see Chart 6 and 7 on pages 83 and 84). Turn signals mounted on top of front fenders (Type C only) are not required starting September 1995.	Any front, rear, or side-mounted turn signal lens is cracked (repair). **(Continued on Next Page)**	Any front, top of fender (if equipped for buses built prior to September 1995), rear, or side-mounted turn signal does not flash or is dim.

B. OUTSIDE BUS

1. Headlights, Turn Signals, Hazard, Side Marker, Brake Lights, Tail Lights, Backup Lights, Backup Alarm (if equipped), and Park Lights

Inspection Procedures:	Repair (or note) if:	Out of Service if:
		Turn signal does not flash between 60 and 120 times per minute. Bus is manufactured since December 1990 (any Type C bus over 29 capacity or any Type D bus) and is not equipped with side-mounted turn signals. Turn signal indicator does not properly indicate right and left. Turn signal switch does not function properly or will not maintain set position. Turn signal switch does not cancel or return to neutral position. Any front, rear, or side-mounted turn signal lens on buses built since September 1985 is not amber. Any front, rear, or side-mounted turn signal lens is damaged, and white light is visible. Any turn signal lens has darkened, faded, or is dirty, significantly affecting visibility or color of the light.

B. OUTSIDE BUS

1. Headlights, Turn Signals, Hazard, Side Marker, Brake Lights, Tail Lights, Backup Lights, Backup Alarm (if equipped), and Park Lights

Inspection Procedures:	Repair (or note) if:	Out of Service if:
c. Hazard		
Check four-way hazard lights for operation and condition.	Any lens is cracked or dirty (repair).	Any four-way hazard light fails to function. Hazard lights do not flash between 60 and 120 times per minute. Switch does not function or will not maintain set position with steering wheel in the straight-ahead position.
d. Side Marker		
Check side marker lights (if installed) for operation and condition.	Any side marker light fails to function, is cracked or damaged (repair).	
e. Brake Lights		
Check brake lights and lens(es) for operation, condition, and specifications (see Chart 7, page 84).	One brake light on either or both sides fails to function (four (4) brake light systems only) (repair). **(Continued on Next Page)**	Both brake lights on one side fail to function when brake pedal is depressed (four (4) brake light system). For buses with only one brake light per side (buses built prior to November 1980), either brake light fails to function. After brake pedal is released, brake light switch sticks, or lights stay on.

B. OUTSIDE BUS

1. Headlights, Turn Signals, Hazard, Side Marker, Brake Lights Tail Lights, Backup Lights, Backup Alarm (if equipped), and Park Lights

Inspection Procedures:	Repair (or note) if:	Out of Service if:
		Any 19 capacity or larger bus built since November 1980 is not equipped with two (2) seven (7) inch and two (2) smaller brake lights.
	Any brake light lens is cracked (repair).	Any brake light lens is damaged and white light is visible.
		Any brake light lens is not red or is not proper type meeting SAE specification.
		Any brake light lens has darkened, faded, or is dirty, significantly affecting the visibility or color of the light.
f. Tail Lights		
Check tail light(s) and lens(es) for operation, condition, and specifications (see Chart 7, page 84).	One (1) tail light on either or both sides fails to function (four (4) tail light system only) (repair).	Both tail lights on one (1) side fail to function when headlight switch is in either the park or headlight positions (four (4) tail light system).
		One tail light on either side fails to function (two (2) tail light system).
		Any 19 capacity or larger bus built since November 1980 is not equipped with two (2) seven (7) inch and two (2) smaller tail lights.
	Any tail light lens is cracked (repair).	Any tail light lens is damaged and white light is visible.

(Continued on Next Page)

B. OUTSIDE BUS

1. Headlights, Turn Signals, Hazard, Side Marker, Brake Lights, Tail Lights, Backup Lights, Backup Alarm (if equipped), and Park Lights

Inspection Procedures:	Repair (or note) if:	Out of Service if:
		Any tail light lens is not red or is not proper type meeting SAE specifications. Any tail light lens has darkened, faded, or is dirty, significantly affecting the visibility or color of the light.
g. Backup Lights Check backup lights for proper operation and condition (see Chart 7, page 84).	One (1) of two (2) backup lights (if equipped) doesn't function (repair). Any backup lens is cracked (repair).	Any bus is not equipped with at least one (1) functional white backup light. Backup light(s) stays on all the time or stays on in any gear position other than reverse.
h. Backup Alarm Check for presence of back up alarm (buses manufactured starting November 1990) and dash sticker (starting November 1993). Check operation of alarm by placing transmission in reverse (engine running) and listening for alarm sound.	Dash sticker is not mounted on dash in plain view of the driver (repair). Dash sticker is not present (starting November 1993) (repair).	Backup alarm does not sound.
i. Park Lights Check park lights for proper operation and condition (see Chart 6 and 7, pages 83 and 84).	One (1) front park light does not function on either side (four (4) park light system) repair). Any park light lens is cracked or damaged (repair).	Both front parking lights on either side (four (4) park light system, if equipped) do not function in park or headlight positions. One park light fails to function (two (2) park light system, if equipped).

B. OUTSIDE BUS
2. Clearance & ID Lights, Reflectors Strobe Light (if equipped)

Inspection Procedures:	Repair (or note) if:	Out of Service if:
a. Clearance and ID lights		
Check light(s) and lens(es) for operation, condition, and location. Also check license plate light (see Chart 6 and 7 on pages 83 and 84).	Any clearance or ID light fails to function (repair).	All clearance lights on either side of the bus are inoperative.
	Any clearance light switch is hard to operate, sticks, or knob is missing (repair).	All clearance and ID lights on either the front or the rear of the bus are inoperative.
		Clearance lights on buses manufactured starting September 1985 do not operate off the headlight switch in “park” or “headlight” positions.
		Either rear corner-mounted clearance light is inoperative.
	Any clearance or ID light lens is damaged or white light is visible (repair).	Any rear clearance or ID light lens is not red, or any intermediate or front lens is not amber.
		Any clearance light lens has darkened, faded, or is dirty, significantly affecting the visibility or color of the light.

(Continued on Next Page)

B. OUTSIDE BUS
2. Clearance & ID Lights, Reflectors Strobe Light (if equipped)

Inspection Procedures:	Repair (or note) if:	Out of Service if:
		Any bus over 30' in length is not equipped with intermediate amber clearance light on the sides.
	License plate light is inoperative (repair).	
b. Reflectors		
Check reflectors for condition and location (see Chart 6 and 7 on pages 83 and 84).	Any reflector is damaged or cracked (repair).	Any required reflectors are missing. Reflectors are required as follows: 1) Buses over 30' in length: two (2) red on rear, one (1) red on each side at rear, one (1) intermediate amber on side, and one (1) amber at front and one (1) amber front of cowl on each side. 2) buses under 30' in length: same, except intermediate amber is not required.
		Any required red reflector is faded, significantly affecting its original color.
	(Continued on Next Page)	

B. OUTSIDE BUS
2. Clearance & ID Lights, Reflectors Strobe Light (if equipped)

Inspection Procedures:	Repair (or note) if:	Out of Service if:
c. Strobe Light Check roof mounted white flashing strobe light for operation, location, and condition.		Any bus manufactured starting December 1990 is not equipped with a roof mounted white flashing strobe light mounted in the center of the roof approximately 48 inches from the rear of the bus. The strobe light on any bus built prior to December 1990 is not mounted in the center of the rear part of the roof. Strobe light does not function.

B. OUTSIDE BUS
3. Pupil Warning Lights

Inspection Procedures:	Repair (or note) if:	Out of Service if:
Pupil Warning Lights		
Check pupil warning lights for operation and condition (see Chart 6 and 7 on pages 83 and 84).	Either pupil warning light pilot light fails to function (repair).	Any amber or red light does not function or is dim.
NOTE: See Chart 5, page 76, for function checks.	Any pupil warning light hood (if equipped) is damaged so that if obstructs visibility of the light (repair).	Amber/red lights (both front and rear) do not alternately flash (side to side).
NOTE: Pupil warning light hoods front and rear are not required starting September 1993.		Any pupil warning light is not red (outer) or amber (inner) or is not proper type meeting SAEJ760 (December 1974), SAE specifications (June 1976), and SAE specifications May 1982 (Revised May 1982).
		Any pupil warning light lens is damaged, and white light is visible.
		Any pupil warning light lens has darkened, faded, is misaimed, or is dirty, affecting the color of the light or reducing the visibility to less than 500 feet in bright sunlight.
		Pupil warning lights do not function according to all conditions in Chart 5, page 76.

CHART 5 EIGHT LIGHT WARNING SYSTEM

NOTE: **System may not be designed in such a way that the operator is required to actuate controls in a particular sequence to achieve the desired combination of conditions.**

EXAMPLE: If the driver places the three-position switch in the amber position with the master switch "ON," it must **not** be required that the three-position switch be moved to "RED" or that the service door be opened, in order to deactivate the "AMBERS." In this example, the driver must be able to deactivate "AMBERS" by going directly from the AMBER to the OFF position.

WITH MASTER SWITCH, CONTROL SWITCH, and SERVICE DOOR IN THE FOLLOWING POSITIONS:				CONDITION OF STOP ARM(S), STOP ARM LIGHTS, AMBER WARNING LIGHTS AND RED WARNING LIGHTS MUST BE:				
	MASTER SWITCH POSITION (ON or OFF)	CONTROL SWITCH POSITION (three-position: OFF, AMBER, OR RED)	SERVICE DOOR POSITION		STOP ARMS, STOP ARM LIGHTS	AMBER WARNING and PILOT LIGHTS	RED WARNING and PILOT LIGHTS	*AUDIBLE ALARM
1	ON	OFF	CLOSED	1	RETRACTED, OFF	OFF	OFF	OFF
2	ON	OFF	OPEN	2	RETRACTED, OFF**	OFF	ON	ON
3	ON	AMBER	CLOSED	3	RETRACTED, OFF	ON	OFF	OFF
4	ON	AMBER	OPEN	4	RETRACTED, OFF**	OFF	ON	ON
5	ON	RED	CLOSED	5	EXTENDED, ON	OFF	ON	OFF
6	ON	RED	OPEN	6	EXTENDED, ON	OFF	ON	OFF
7	OFF	ANY POSITION	ANY POSITION	7	RETRACTED, OFF	OFF	OFF	OFF

*** NOTE: Effective September 1, 1992**
****NOTE: The stop arm lights <u>may</u> flash when stop arm is retracted on buses built prior to November 1983.**

B. OUTSIDE BUS
4. Stop Arm(s)

Inspection Procedures:	Repair (or note) if:	Out of Service if:
a. Arm(s)		
Check stop arm(s) for specifications, operation (fully extends to 90 degrees), and condition (see Chart 7, page 84).	Wiring-ground strap is loose or not properly routed and secured (repair).	Wires or ground strap(s) is broken. Any stop arm light does not flash or does not flash between 60 and 120 times per minute.
	Hinge or bushing(s) is dry of lubrication (repair).	Stop arm does not fully extend or retract or is slow.
	Stop arm assembly or blade mounting is loose (repair).	Any stop arm has an air or vacuum leak.
	Stop arm extends more or less than 90° (degrees) (repair).	Any stop arm (paint or decal) is significantly faded or discolored. Stop arm does not operate according to all the conditions in Chart 5, page 76. Stop arm(s) not of proper type and specifications: 1) Webfoot, January 1965 to September 1985. 2) Octagonal, September 1, 1985. 3) Flashing red lights, all years. 4) Reflective white border and lettering, March 1, 1977.
	(Continued on Next Page)	

B. OUTSIDE BUS
4. Stop Arm(s)

Inspection Procedures:	Repair (or note) if:	Out of Service if:
		5) High intensity reflectivity, starting December 1990. 6) Dual stop arms required on all modified Type B and Type C 47 passenger capacity and up and all Type D starting December 1990.
Check that rear stop arm decal has been deleted on buses built after September 1, 1993.		A stop arm decal has been installed on the forward side of the rear stop arm for buses built after September 1, 1993.
b. Student Crossing Arm (if equipped)		
Check front bumper mounted student crossing arm for operation, condition, and mounting.		Not equipped with student crossing arm, starting December 1992. Does not fully extend 90° (degrees) from bumper. Does not deploy when stop arm switch is activated.

B. OUTSIDE BUS
5. General Condition, Bus Exterior

Inspection Procedures:	Repair (or note) if:	Out of Service if:
a. Mirrors Check all exterior mirror mounting and bracketry for tightness and condition.		Mirror brackets are bent or broken, or mounting is insecure.
b. Bumpers Check bumpers for mounting, condition, color, and body seal (rear bumper).	Bumper is not black (repair). Bumper is equipped with any unauthorized stickers or decals (repair).	Bumper is significantly bent or has protruding metal. Bumper mounting system has cracked, broken, or bent brackets, braces, welds, or missing or loose fasteners. Diagonal reflective striping (if equipped) is missing, significantly damaged, or not reflective. Front bumper on buses built starting October 1982 permanently deforms or is not of sufficient strength to allow lifting front of bus without permanent deformation.

B. OUTSIDE BUS
5. General Condition, Bus Exterior

Inspection Procedures:	Repair (or note) if:	Out of Service if:
c. Body Damage		
Check body exterior for accident damage, scratches, dents, etc.	Body has small dents, scratches, etc. (repair).	Any body part is damaged or dislocated creating a protrusion or sharp edge.
	Body has small rust spots or water leaks (repair).	Body panels, rivets, or other components are damaged or corroded to the point where joint strength or body structural integrity is compromised.
d. Paint		
Check paint on body trim and wheels for required coloration and condition.	Paint is faded, discolored, rusted, or damaged (repair).	Paint is not National School Bus Yellow (except white roof). Trim, rub rails, warning light hoods or background are not black. Stud piloted disk wheels or spoke wheels are not black, or hub piloted wheels are not National School Bus Yellow.
e. Reflective Markings (if equipped)		
Check reflective markings for coloration, reflectability and condition. Reflective markings required starting September 1995.	Reflective markings, other than those around any emergency exit door or roof hatch, as required by F.M.V.S.S. 217, are faded, discolored, damaged or peeling (repair).	
Check for presence of reflective markings around any emergency exit, door, window, or roof hatch as required by F.M.V.S.S. 217 (buses purchased after November 1993).	**(Continued on Next Page)**	Any required reflective markings are missing, or significantly faded or discolored, around any emergency exit, door, or roof hatch.

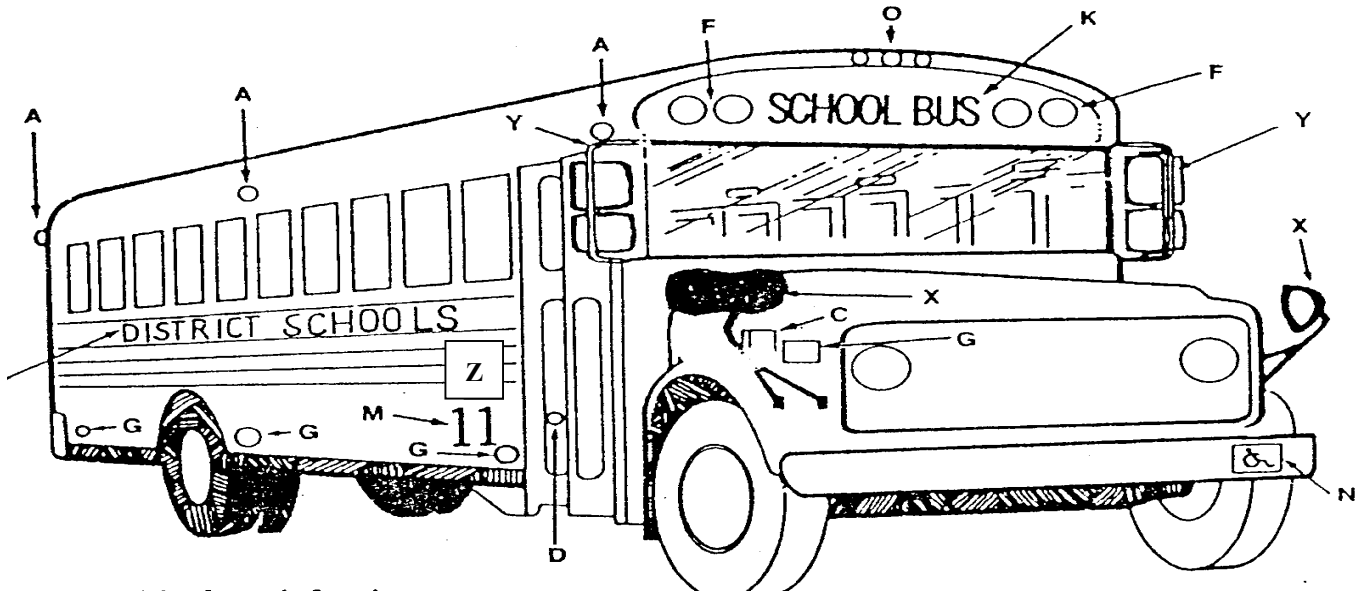
B. OUTSIDE BUS
5. General Condition, Bus Exterior

Inspection Procedures:	Repair (or note) if:	Out of Service if:
f. Lettering Check all lettering for required type, size, location, and color (see Chart 6 and 7 on pages 83 and 84).	Bus is not equipped with following lettering (repair): 1) Eight inch (8") "SCHOOL BUS" front and rear. 2) Four inch (4") (starting November 1978) and six inch (6") (revised 1992) minimum "_____ District Schools" left and right sides of body. 3) Local bus number: rear and both sides. (Front and rear and both sides starting 1998). Any required lettering, except handicapped symbol, (or local bus number if located on bumper) is not black (repair). Any required lettering is not readable (repair). **(Continued on Next Page)**	Bus is not equipped with following lettering: 1) Handicapped symbol (front and rear; buses built starting September 1984 if wheelchair lift equipped). 2) Minimum two inch (2") lettering "Emergency Door" at top or above door. 3) Emergency window(s) or hatch(es) labeled "Emergency Exit" from inside and outside (buses built starting December 1990). 4) Fuel type lettering is not present (buses built starting September 1985). There is not a minimum of at least one bus number or District Name present. Any handicapped symbol (if required) is not reflective white on blue background, minimum six inches by six inches (6"x6").

B. OUTSIDE BUS
5. General Condition, Bus Exterior

Inspection Procedures:	Repair (or note) if:	Out of Service if:
g. Emergency Door Operation		
Check emergency door for operation from exterior of bus.		Emergency door is hard to open fully from outside of bus. Emergency door latch mechanism requires more than 40 pounds to release. Emergency door handle is mounted (e.g. horizontally) to allow "hitching" onto the bus.
h. Engine Hood		
Check engine hood for operation, condition, and safety latch.	Hood is misaligned (repair). Hood hinges are not lubricated or are damaged (repair).	Hood cannot be opened as designed. Safety latch does not secure hood, is not lubricated, or is damaged. Hood prop rod(s) or hold-open feature does not function properly.
i. Cleanliness		
Check exterior of bus for cleanliness.	Exterior of bus is dirty (note).	Bus is dirty to the point visibility through any window or light lens is significantly reduced.

Chart 6 MINIMUM LETTERING AND LIGHTING REQUIREMENTS



A... Clearance lights

C... Front directional signals (double-faced, fender-mounted)

D... Stepwell light (located inside service door)

E... Adequate interior lights (not shown)
F... Warning lights--dual (side by side:)

G... Reflectors, one at rear side panel, one near front, one at front of cowl and one intermediate (only buses 30 feet or larger)

K... SCHOOL BUS--front and rear, 8-inch letters, Series B Standard Alphabet (see National Standards)

L... NAME OF DISTRICT SCHOOL--each side, belt line, 4-inch (starting November 1978) and 6-inch (Revised 1992) minimum letters.

M... NUMBERS--To be furnished by county; 6-inch numbers on each side and rear

N... (Universal Handicapped Symbol for lift buses)

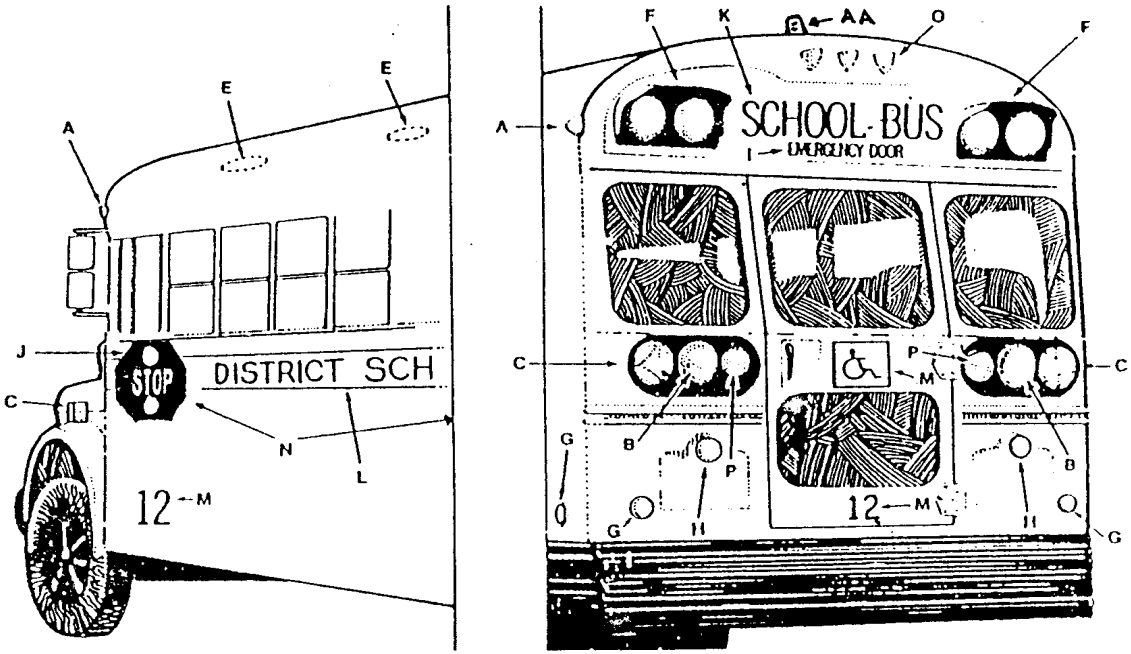
O... Identification lamps

X... Convex cross-view/side-view mirrors

Y... External rear-view mirrors

Z… Side Turn Signal

CHART 7 MINIMUM LETTERING AND LIGHTING REQUIREMENTS



A... Clearance lights

B... (Two) combination brake/tail lamps

C... Back directional signals (front double-faced, fender-mounted)

E... Adequate interior lights

F... Warning lights--dual (side by side)

G... Reflectors (red)

H... Two tail lamps (One lamp must illuminate license plate.)

I... EMERGENCY DOOR--2-inch letters inside and outside at top or directly above door

J... Double-face flashing red lights connected to roof-mounted flashing red lights

K... SCHOOL BUS--front and rear, 8-inch letters, Series B Standard Alphabet (see National Standards)

L... NAME OF DISTRICT SCHOOL--each side, belt line, 4-inch (starting November 1978) and 6-inch (Revised 1992) minimum letters

M... NUMBERS--To be furnished by county; 6-inch numbers on each side and rear (Universal Handicapped Symbol for lift buses)

N... Vacuum, air or electrically actuated octagonal front and rear stop arms, red background, 6-inch white reflective letters, border white reflective

O... Identification lamps

P... Back-up lights

AA.. Strobe Light