



BLUE BIRD EV VISION BUS DECALS

Service Update #23-0726revA



Blue Bird EV Unit Identification

With the increased presence of the Blue Bird EV product in service and the fact that the units' appearance do not clearly identify them as being an EV, we have come up with the decal which will be located at several points along with other important location identification points on our EV units as described here.

Required Decals:

1	-	#453	WAIT TO START
1	-	#454	WAIT TO START - DIRECTIONS
2	-	#461	ELECTRIC POWERED-LARGE
3	-	#460	ELECTRIC POWERED-SMALL
1	-	#455	12 VOLT BATTERY AND DISCONNECT SWITCH INSIDE
4	-	#458	HIGH VOLTAGE BATTERY
4	-	#34	BLACK ARROW
2	-	#462	HIGH VOLTAGE BATTERY DISCONNECT w/ARROWS
1	-	#463	EV DIAG PORT
2	-	#464	CHARGING PORT
1	-	#465	EV CLUSTER WARNING
1	-	#479	EV CLUSTER WARNING UPDATED 5/22/25

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In the driver's area we have #453 & #454 concerning the starting procedure as outlined in our Service Update #22-1129 – See Figure #1

Figure #1



2 Large “ELECTRIC POWERED” decals #461 are on the rear overhang behind the rear duals. Should be 1” below rivet line at floor level and placed so lettering starts at 3rd rivet from wheel well opening. Figures #2 & #3



Figure #2

Figure #3



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3 Small “ELECTRIC POWERED” decals #460.... 2 are on each side of the hood centered between the lollipop light and vent. Figures #4 & #5 1 placed in license plate indent of right rear tag panel. Figure #6



Figure #4



Figure #5



Figure #6

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#455, 12 VOLT BATTERY AND DISCONNECT SWITCH INSIDE is to be placed on battery box door, 1" from upper edge and centered vertically. Figure #7

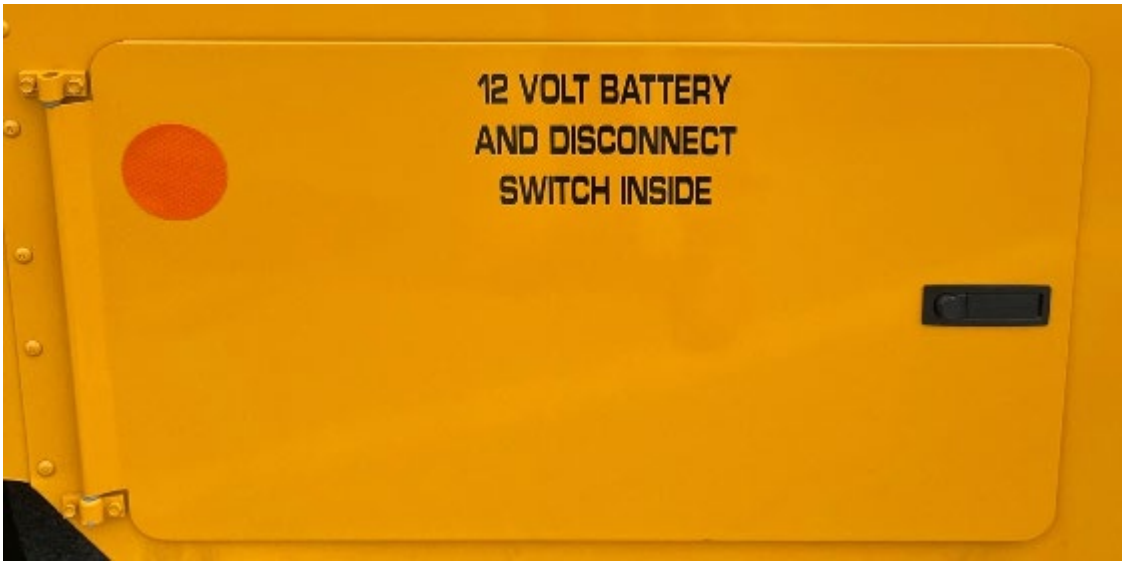


Figure #7

Access door in the left rear overhang is there to provide access to a diagnostic port for the high voltage system. This is labeled with #463. Figure #8



Figure #8



Figure #9

Depending on the option ordered, the charging port can be located just behind the entrance door or in the rear overhang. No matter which location, the access will be labeled with #464 CHARGING PORT Figure #9

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HIGH VOLTAGE BATTERY #458 are to be put on both sides of unit 1” below the rivet line at floor level in the center of each battery pack with black arrows, #34 pointed down halfway between the decal and the bottom of the skirt. (Figures #10 & #11)

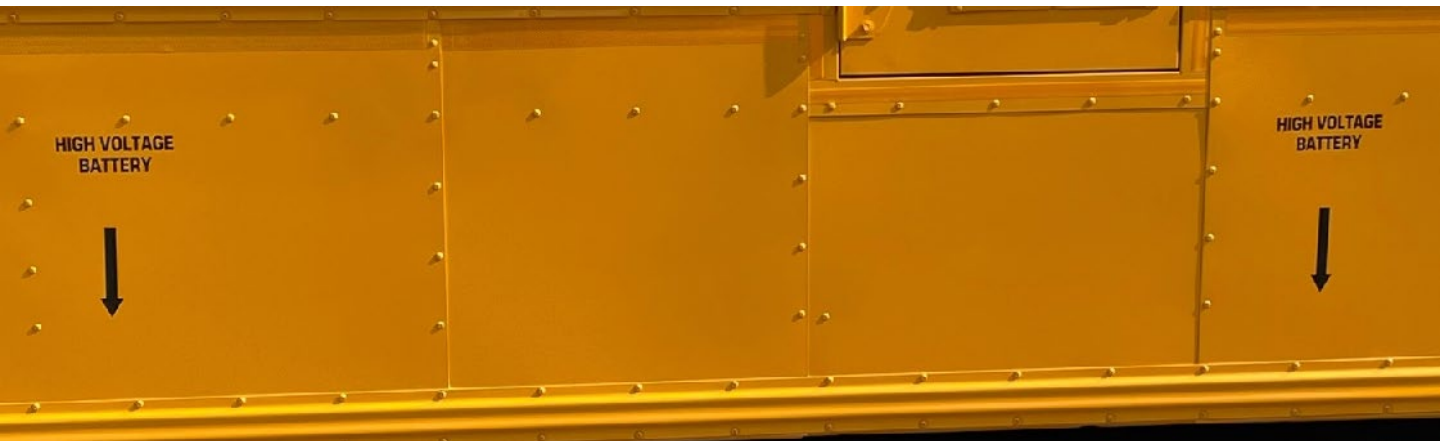


Figure #10

HIGH VOLTAGE BATTERY DISCONNECT w/ARROWS #462 are to be put on right side of unit exactly where disconnects are located on the battery packs and are to be on the skirts just above the lower rub rail. (Figure #11)



Figure #11

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EV CLUSTER WARNING DECAL #465 – The decal displays dash cluster warning icons with the referenced function. Decal is to be located on the bulkhead above the driver. (Figures #12 & #13)

UPDATED WITH DECAL #479
PLEASE SEE NEXT PAGE

EV Cluster Warning				
Electric Bus Warning Lamps				
Lamp Graphic	Function	Data Source	Trigger Logic	Alarm/Duration
	Vehicle Enabled	Flashing: PGN643635PN102585A91 Steady On: PGN647065PN73155A91	SPN10298 value changes from 0000 to 060010 begin flashing this lamp. SPN Location: 1.1 When SPN 7315 value changes from 0800 to 0801 this state has ended. SPN Location: 2.1	None
	MIL	PGN652265PN12135A91	on if 01 off if 00	Beep 1/ for 2 sec unless trigger is OFF
	High Battery Temp	PGN614945PN11055A91	Also used for warning at battery temperature gauge	Beep 1/ for 5 sec unless trigger is OFF
	Limited Performance Mode	PGN647745PN102955A91	ON with SPN is active SPN Position: 2.5 SPN=01b Same message used for low state of charge	6 Beeps
	Prohibition System Failure	PGN647065PN82675A91	When DTC, SPN is active SPN Position: 7.5 SPN: 03b	Continuous Beep
	Wait to Start (for EV)	PGN647065PN74535A91	if=01	None
	Electric motor Failure (Amber)	PGN652265PN12135A91	When DTC, SPN Active	6 Beeps
	Electric motor Failure (Red)	PGN652265PN12135A91	When DTC, SPN Active	Continuous Beep
	Regenerative Braking Disabled	PGN647065PN74525A91	See Regenerative Braking Disabled Logic Chart	6 Beeps
	High Voltage Warning	PGN657065PN74545A91 PGN652265PN12135A91	ON if DTC with SPN 1234 is active ON if SPN 7454 is active	Continuous Beep
	Battery Charging (Green)	PGN647065PN78965A91	ON if 0001, 1310	None
	Battery Charging (Amber)	PGN647065PN78965A91	Flashing if: 0010 ON steady if: 0011, 0100, 0101	None

Figure #12



Figure #13

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EV Cluster Warning

Electric Bus Warning Lamps

Lamp Graphic	Function	Data Source	Trigger Logic	Alarm/Duration	Lamp Graphic	Function	Data Source	Trigger Logic	Alarm/Duration
	Vehicle Enabled	Flashing: PGN643635PN102985A91 Steady On: PGN647065PN73155A91	SPN10298 value changes from 00000 to 00010 begin flashing this lamp SPN location: 1.1 When SPN 7315 value changes from 000 to 0001 this state has ended SPN Location: 2.1	None		Electric motor Failure (Amber)	PGN652265PN6245A91	When DTC, SPN Active	6 Beeps
	MIL	PGN652265PN12135A91	on if: 01 off if: 00	Beep 1/ for 2 sec unless trigger is OFF		Electric motor Failure (Red)	PGN652265PN6235A91	When DTC, SPN Active	Continuous Beep
	High Battery Temp	PGN614945PN81055A91	If SPN 01b Also used for warning at battery temperature gauge	Beep 1/ for 5 sec unless trigger is OFF		Regenerative Braking Disabled	PGN647065PN74525A91	See Regenerative Braking Disabled Logic Chart	6 Beeps
	Limited Performance Mode	PGN647745PN102955A91	ON with SPN is active SPN Position: 2.5 SPN-01b Same message used for low state of charge	6 Beeps		High Voltage Warning	PGN657065PN74545A91 PGN652265PN12145A91	ON if DTC with SPN 1214 is active ON if SPN 7454 is active	Continuous Beep
	Propulsion System Failure	PGN647065PN82675A91	When DTC, SPN is active SPN Position: 7.5 SPN: 01b	Continuous Beep		Battery Charging (red)	PGN647065PN78985A91	ON if 000L, 1110	None
	Wait to Start (for EV)	PGN647065PN74535A91	II-01	None		Battery Charging	PGN647065PN78985A91	Flashing if= 0010 ON steady if= 0011, 0100,0101	None

Figure #12

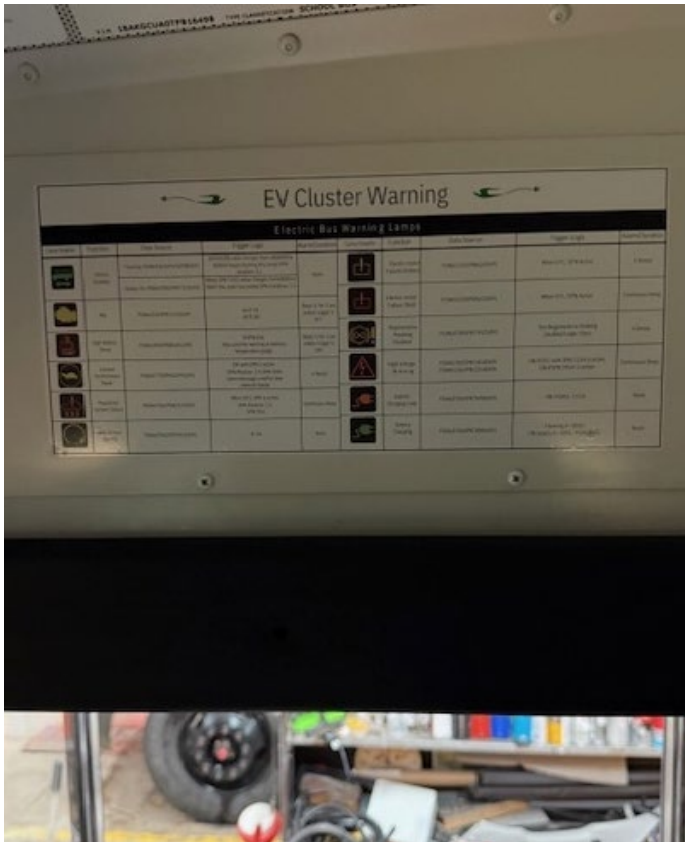


Figure #13

EV CLUSTER WARNING DECAL #479 – The decal displays dash cluster warning icons with the referenced function. Decal is to be located on the entrance door access panel above the entrance door. (Figures #12 & #13)

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