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**Subject:** FW: School Bus Order Update  
**Date:** Wednesday, February 9, 2022 at 9:06:12 AM Central Standard Time  
**From:** Tom Dostal <tdostal@badger.k12.mn.us>  
**To:** Kevin Ricke <kricke@badger.k12.mn.us>  
**Attachments:** Badger-orderreport.pdf

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**From:** Randy Johnson [mailto:randyjohnson@hoglundbus.com]  
**Sent:** Tuesday, February 8, 2022 3:28 PM  
**To:** Tom Dostal <tdostal@badger.k12.mn.us>  
**Subject:** School Bus Order Update

Hello Tom

*due*

Attached is a copy of the order change for your new bus order. We were able to change from the PSI gas powered motor to the Cummins diesel for no charge ~~do~~ to the total lack of engine blocks for the PSI gas powered blocks. Not only are you getting the Cummins motor for \$3,000.00 less the school will benefit from the fact the Cummins has better fuel economy, better longevity and better resell value!

Please look this information over and let me know if it was helpful.  
Also – if I can be helpful in any way – please let me know!!  
I'm available to come speak with folks if that's helpful

Thank you!!

**Randy Johnson**  
Northern MN School Bus Sales | Hoglund Bus Company INC  
C: 612.850.5839 | F: 763.295.4992 | [www.hoglundcompanies.com](http://www.hoglundcompanies.com)

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Board of Education:

**Recommendation from Transportation Director supported by Administration is either the**

**\$96,974 Gasoline Package E or  
\$101,060 Diesel Package G**

Please contact Tom Dostal at the Bus Garage 528-3201 ext. 211 if you have questions prior to the November 8, 2021 Badger School Board Meeting

Range from High to Low

	\$104,719	Package F: Diesel 77-Passenger IC, Cummins
	<b>\$101,060</b>	<b>Package G: Diesel 77-Passenger IC, Cummins</b>
	\$100,634	Package D: Gasoline 77-Passenger IC, General Motors Power Solutions
Median	\$ 97,700	Package B: Diesel 77/71-Passenger Blue Bird, Cummins
	<b>\$ 96,974</b>	<b>Package E: Gasoline 77-Passenger IC, General Motors Power Solutions</b>
	\$ 94,042	Package C: Diesel 77-Passenger Thomas, Cummins
	<u>+ \$ 93,806</u>	Package A: Gasoline 77/71-Passenger Blue Bird, Ford
	<u>\$688,935 divided by 7 buses =</u>	

\$98,419.29 Average mean estimate bid quotes

Gasoline:

	\$100,634	Package D: Gasoline 77-Passenger IC, General Motors Power Solutions
	<b>\$ 96,974</b>	<b>Package E: Gasoline 77-Passenger IC, General Motors Power Solutions</b>
	<u>+ \$ 93,806</u>	Package A: Gasoline 77/71-Passenger Blue Bird, Ford
	<u>\$291,414 divided by 3 buses =</u>	

\$ 97,138.00 Average mean of Gasoline estimate bid quotes

Diesel:

	\$104,719	Package F: Diesel 77-Passenger IC, Cummins
	<b>\$101,060</b>	<b>Package G: Diesel 77-Passenger IC, Cummins</b>
	\$ 97,700	Package B: Diesel 77/71-Passenger Blue Bird, Cummins
	<u>+ \$ 94,042</u>	Package C: Diesel 77-Passenger Thomas, Cummins
	<u>\$397,521 divided by 4 buses =</u>	

\$ 99,380 Average mean of Diesel estimate bid quotes

Courtesy Carbon Copy: Tom Dostal, Transportation Director  
Shena Brandt, Business Manager

Respectfully submitted,

Kevin Ricke, Superintendent & Principal K-12  
Badger ISD #676  
PO Box 68, 110 Carpenter Avenue East  
Badger, Minnesota 56714-0068  
Office: 218-528-3201 ext. 102  
[kricke@badger.k12.mn.us](mailto:kricke@badger.k12.mn.us)  
Personal cellphone: 218-849-6100

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Estimate  
 Q.D.  
 Quote  
 Package:

**These Quotes Do Not Include Title/Transfer/License**

Quote Package	Price	Year	Make/Model	Options	Seating	Drive	Sales Rep
<b>A</b>	\$93,806	2022	Blue Bird Vision BBCV-G 77 s 71 Passenger (77/71 Passenger W/Less Seats More Room)		RWD	North Central Bus & Equipment	
			Gasoline Engine 7.3 Ford V10 (350HP 468 Ftlbs Torque)			St. Cloud, MN	
			Ford 6R140 6 Speed Transmission	Mobile Radio Or Tow Package Not Included In Quote		Sales Rep Paul Fiereck	
<b>B</b>	\$97,700	2022	Blue Bird Vision BBCV-G 77 s 71 Passenger (77/71 Passenger W/Less Seats More Room)		RWD	North Central Bus & Equipment	
			Cummins ISB17 (220HP 520 Ftlbs Torque)			St. Cloud, MN	
			PTS Allison 2500 Transmission	Mobile Radio Not Included In Quote		Sales Rep Paul Fiereck	
<b>C</b>	\$94,042	2022	Thomas 77 Passenger Bus		RWD	Tellin Transportation Group, LLC	
			Diesel Cummins 86.7 (200 HP 520 Ftlbs Torque)			Farmingington, MN	
			PTS 2500 Allison Transmission	Mobile Radio Or Tow Package Not Included In Quote		Sales Rep Nick Spoden	
<b>D</b>	\$100,634	2022	IC 77 Passenger Bus		RWD	Hoglund Bus Co, INC	
			Gasoline Power Solutions 8.8L V8 (265HP 548 Ftlbs Torque)			Monticello, MN	
			PTS 2500 Allison Transmission	Mobile Radio Included In Quote		Sales Rep Randy Johnson	
<b>E</b>	\$96,974	2022	IC 77 Passenger Bus		RWD	Hoglund Bus Co, INC	
			Gasoline Power Solutions 8.8L V8 (265HP 548 Ftlbs Torque)			Monticello, MN	
			PTS 2500 Allison Transmission	Mobile Radio Included In Quote		Sales Rep Randy Johnson	
<b>F</b>	\$104,719	2022	IC 77 Passenger Bus		RWD	Hoglund Bus Co, INC	
			Diesel Cummins ISB 10 (260HP 660 Ftlbs Torque)			Monticello, MN	
			PTS 2500 Allison Transmission	Mobile Radio Included In Quote		Sales Rep Randy Johnson	
<b>G</b>	\$101,060	2022	IC 77 Passenger Bus		RWD	Hoglund Bus Co, INC	
			Diesel Cummins ISB 10 (260HP 660 Ftlbs Torque)			Monticello, MN	
			PTS 2500 Allison Transmission	Mobile Radio Included In Quote		Sales Rep Randy Johnson	

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<b>\$2,672</b>	<b>1-V8X3-3 Vulcan 3 Camera System</b>	<b>\$2,190</b>	<b>Hoglund Bus Co, INC</b>
	<b>1-HDPL5MP-R Stop Sign Camera</b>	<b>\$422</b>	<b>Monticello, MN</b>
			<b>Sales Rep Randy Johnson</b>
<b>\$1,475</b>	<b>Mobile Radio CM200d 136-174 45W Analog</b>	<b>\$560</b>	<b>Roger 's Two Way Radio</b>
	<b>Internal Speaker 7.5 Watt</b>	<b>\$48</b>	<b>Bemidji, MN</b>
	<b>Ignition Switch Cable</b>	<b>\$17</b>	<b>Sales Rep Cyrus Pansch</b>
	<b>152-162 MHZ Antenna</b>	<b>\$15</b>	
	<b>Coax Cable Kit</b>	<b>\$28</b>	
	<b>Program Radio Level 1</b>	<b>\$50</b>	
	<b>Install Dash Mount</b>	<b>\$185.00</b>	
	<b>Mileage For Tech</b>	<b>\$469</b>	
		<b>\$3.35/Mile</b>	
	<b>Total</b>	<b>\$1475</b>	

*Summary  
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# ORDER CONTENT

Print Date : 2/8/2022 15:20

HOGLUND BUS CO INC

Job Number : 279833

Order No.: 692557  
Dealer Account: 714998-000  
Telephone: 763-295-5119  
Type: SOLD  
Region: 231  
Vehicle ID:

Dealer Order No: 002466  
Customer Name: BADGER ISD 676  
Customer Alias: BADGER ISD 676  
Fleet Customer No: 607416  
Customer No: 0000735131  
Customer PO No: 28316

## Order Details

Model: PB105  
Proposal No: 010669-01  
Reference ID: 77PL/3411/MN  
SPA No.: 2585A  
Sales Program No:  
Order Date: 2/2/2022  
Rqst Delivery Date:  
Delivery Date: TBD

Description: INTEGRATED CE S BUS  
Order Qty: 1

Sales Person: DAWN KELLEY  
Build Date: TBD  
VIN: 4DRBUC8P0PB279833  
Plant: TULSA BUS PLANT  
Step: 05C CRC Work Required

## Shipping Information

Movement	Destination	At Carrier	Paired	Decked	Dispatched	Delivered
1st	BUS SPECIALTY CENTER					
Final	WILL CALL XXXX TULSA, OK 74116					

## Market/Application/Mission

Country Of Use: UNITED STATES  
Market: USA  
Vehicle Type: BUS  
Application Family: School

Application Name: School Transportation  
GVWR(Calc): 29800  
GCWR(Rqst): N/A GCWR(Calc): N/A  
Start/Grade Ability: 23.19% / 2.56% @ 55 MPH

## Dimensions

Wheelbase: 276.0  
Axle To Frame(AF): 166.0

Rear Axle Ratio(s): 5.29  
Front Axle Ratio(s):

## Feature Information

0001CAC FRAME RAILS , High Strength Low Alloy Steel (50,000 PSI Yield); 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm); 489.2" (12425mm) Maximum OAL  
0001LLE BUMPER, FRONT , Contoured, Steel, Severe Duty  
0001LMW CROSSING GATE, FRONT , Electric, Yellow Blade, Bumper Mounted  
0001SAM CROSSMEMBER, REAR, AF , (2)  
0001WJE WHEELBASE RANGE , 276" (700cm) Only  
0001WRP TOW HOOK, REAR , (2) Mounted on Lower Rail Flange  
0001570 TOW HOOK, FRONT , (2) Frame Mounted  
0002AYX AXLE, FRONT NON-DRIVING , {Dana Spicer E-1002IR} I-Beam Type, 10,000-lb Capacity  
0003ADB SUSPENSION, FRONT, SPRING , Parabolic Taper Leaf, Shackle Type, 10,000-lb Capacity, with Shock Absorbers  
0004EVD DUST SHIELDS, FRONT BRAKE , for Hydraulic Brakes  
0004EVE DUST SHIELDS, REAR BRAKE , for Hydraulic Brakes  
0004GBJ BRAKE, PARKING , {Bosch} DSSA Type, 12" x 3"; for Hydraulic Brake Chassis; Foot Operated in Cab;Differential Mounted  
0004JNX TRACTION CONTROL, HYDRAULIC , Automatic; Hydraulic Brake System, with Electronic Stability Control  
0004WGT PARKING BRAKE INTERLOCK , Parking Brake Cannot be Released Until Ignition Switch is in "ON" Position and Service Brake Pedal is Applied, Use with Hydraulic Brake Chassis Only  
0004WXP GVWR LIMITATION FOR BUS , with Hydraulic Brakes, Limited to 29,800-lbs Maximum to meet FMVSS 105 Requirements, for Conventional Bus

# ORDER CONTENT

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HOGLUND BUS CO INC

Job Number : 279833

0004XCW BRAKES, FRONT , {Meritor Quadraulic} Hydraulic Disc Type, with Four 70mm Diameter Pistons, 12,000-lb Capacity  
0004XCX BRAKES, REAR , {Meritor Quadraulic} Hydraulic Disc Type, with Four 70mm Diameter Pistons, 21,000-lb Capacity per Axle  
0004100 BRAKE SYSTEM, HYDRAULIC , {Wabco} Split System, with Automatic Adjustment and Four Channel ABS  
0005CAL STEERING WHEEL , 2-Spoke, 18" Dia., Black  
0005PSA STEERING GEAR , {Sheppard M100} Power  
0005708 STEERING COLUMN , Tilting  
0006DGA DRIVELINE SYSTEM , {Dana Spicer} SPL100, for 4x2/6x2  
0007BMK EXHAUST SYSTEM , Horizontal Aftertreatment System, Frame Mounted Under Right Rail, for Single Long Horizontal Tail Pipe  
0007SCP ENGINE EXHAUST BRAKE , for Cummins ISB/B6.7/ISL/L9 Engine with Variable Vane Turbo Charger  
0007WBM TAIL PIPE , (1) Horizontal, Long, Exits Left Side Ahead of Rear Wheels  
0008GXH ALTERNATOR , {Leece-Neville AV1160P2007} Brush Type, 12 Volt, 210 Amp Capacity, Pad Mount  
0008MSG BATTERY SYSTEM , {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud  
0008TTK BATTERY BOX , Steel, with Sliding Tray, 25.25" Wide, for Standard Batteries, 1-3 Battery Capacity, Mounted Left Side Behind Front Axle Perpendicular to Frame Rail  
0008TTN BATTERY BOX COVER , Plastic, Front Cover for Frame Mounted Battery Box Compartment  
0008TUT COLLISION MITIGATION SYSTEM , Omit  
0008VAZ HORN, ELECTRIC , (2) Trumpet Style, Mounted on Top of Mega-Bracket  
0008WPB HEADLIGHTS , Halogen, Composite Aero Design, with Daytime Running Lights  
0008WTK STARTING MOTOR , {Delco Remy 38MT Type 300} 12 Volt, Less Thermal Over-Crank Protection  
0008WWJ INDICATOR, LOW COOLANT LEVEL , with Audible Alarm  
0008WXB HEADLIGHT WARNING BUZZER , Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position  
0008WXC BRAKE WARNING INDICATOR , Light and Audible Alarm; Parking Brake/Motion Warning System for Engaged Parking Brake  
0008XAH CIRCUIT BREAKERS , Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses  
0008XDX BK WARN IND,PARK BK NOT SET , Visual and Audible Alarm, Active Upon Ignition Off and Parking Brake Not Set, Reminder to Set Parking Brake  
0008000 ELECTRICAL SYSTEM , 12-Volt, Standard Equipment  
0009AAE LOGOS EXTERIOR, ENGINE , Badges  
0009WAB HOOD TILT ASSIST , {EASY TILT} Mechanical  
0009WAY FRONT END , Tilting, Fiberglass, with Three Piece Construction  
0010AAJ OVER THE AIR PROGRAMMING , {Navistar} for Cummins Engines  
0010DAS PROMOTIONAL PKG, CORR RESIST , Corrosion Resistant Bus  
0010WHJ SPECIAL ROUTING CONTROL , To Bus Vehicle Modification Center  
0010XAJ PROMOTIONAL PACKAGE LED EXT , {Sound Off/OptiLuxx} LED Lights  
0010XAK PROMOTIONAL PACKAGE , 7 Year Unlimited Miles/km Warranty, Limited Time Program for Allison 2500 Series Transmission on School and Commercial Buses (Supplied directly through Allison)  
0010020 CHASSIS PAINT , Full Chassis  
0010063 PAINT SCHEMATIC, PT-1 , Two Tone, Design 101 for Non-Reflecting Schoolbus Hood  
0010661 PAINT, NON-REFLECTING , Non-Reflecting Paint  
0010788 PAINT TYPE , Urethane, One or Two Colors, Other than Imron or International.  
0011001 CLUTCH , Omit Item (Clutch & Control)  
0012ERT ENGINE, DIESEL , {Cummins B6.7 250} EPA 2021, 250HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600RPM Governed Speed, 250 Peak HP (Max), School Bus Only  
0012TJA FAN DRIVE , {Warner Electric FC550} On/Off Type, Electronically Activated and Controlled  
0012UGN THROTTLE, HAND CONTROL , Electronic  
0012UYE RADIATOR , Aluminum, 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, with 313 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler  
0012VBR AIR CLEANER , with Service Protection Element  
0012VJB EMISSION, CALENDAR YEAR , {Cummins B6.7} EPA, OBD and GHG Certified for Calendar Year 2022  
0012VVN CRUISE CONTROL , Electronic  
0012VWH GOVERNOR , Electronic Road Speed Type; for Electronic Engines and Bus Models; with 55 MPH Default  
0012WSY BLOCK HEATER, ENGINE , {Phillips} 120V/750W, for Cummins ISB/B6.7 Engines  
0012WZE CARB IDLE COMPLIANCE , Federal, Does Not Comply with California Clean Air Idle Regulations  
0012XCS CARB EMISSION WARR COMPLIANCE , Federal, Does Not Comply with CARB Emission Warranty

# ORDER CONTENT

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HOGLUND BUS CO INC

Job Number : 279833

0012703 ANTI-FREEZE , Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection  
0013ART TRANSMISSION, AUTOMATIC , {Allison 2500 PTS} 5th Generation Controls, Wide Ratio, 5-Speed with  
Overdrive, Less PTO Provision, Less Retarder, with 33,000-lb GVW and GCW Max, School Bus  
0013WLN TRANSMISSION OIL , Synthetic; 20 thru 28 Pints  
0013WWW NEUTRAL AT STOP , OMIT  
0013WYY SHIFT CONTROL PARAMETERS , {Allison} 1000 or 2000 Series Transmissions, Performance Programming  
0014AJJ AXLE, REAR, SINGLE , {Dana Spicer S140} Single Reduction, 19,800-lb Capacity, 190 Wheel Ends  
0014SBK SUSPENSION, REAR, SINGLE , 19,800-lb Capacity, Two Stage Vari-Rate Springs  
0014WAP SHOCK ABSORBERS, REAR , (2)  
0014WMN AXLE, REAR, LUBE , {EmGard FE-75W-90} Synthetic Oil; 1 thru 29.99 Pints  
0015SJT FUEL TANK , Top Draw, Steel, Rectangular, 100 US Gal (379L), Includes Protective Cage, with Low Profile Fuel  
Filler Assembly and Vent Hosing, Mounted Between Frame Rails and Behind Rear Axle  
0015WEP DEF TANK , 16.5 US Gal (62.5L) Capacity, Frame Mounted Outside Right Rail, Behind 0 Bow  
0016HBA GAUGE CLUSTER , English with English Electronic Speedometer  
0016HGH GAUGE, OIL TEMP, AUTO TRANS , for Allison Transmission  
0016HKT IP CLUSTER DISPLAY , On Board Diagnostics Display of Fault Codes in Gauge Cluster  
0016HLJ GAUGE, DEF FLUID LEVEL ,  
0016010 COWL , Flat Back  
0027DUW WHEELS, FRONT , {Accuride 51408} DISC; 22.5x8.25 Rims, Powder Coat Steel, 2-Hand Hole, 10-Stud, 285.75mm  
BC, Hub-Piloted, Flanged Nut, with Steel Hubs  
0028DUW WHEELS, REAR , {Accuride 51408} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 2-Hand Hole, 10-Stud,  
285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs  
0029WLK WHEEL BEARING, FRONT, LUBE , {EmGard FE-75W-90} Synthetic Oil  
0040126 WARRANTY , Standard for CE, RE, BE School Bus Models, Effective with Vehicles Built March 1, 2017 or Later,  
CTS-3304H  
0047AHU BODY RATING TAG , Metal; for State of Minnesota, Legal Rated Capacity and GVW, Aft of Entrance Door on Light  
Bar  
0047AJB BODY CERTIFICATION TAG , Mylar Label  
0047AJC BODY TAG, METAL , Capacity to Include the Total Number of Passengers  
0047AMG BODY, BUS , Conventional; 78" Headroom, 34'11" Body Length, +9 Section Rear, 78 Passenger, 276 WB  
0047APR HEADLINER, BODY , Conventional; 25'11"-34'11" Body Length, Perforated Full Length with Sound Insulation Full  
Length  
0047APW FASTENERS, HEADLINER , Rivets  
0047ARH BOWS, ROOF , 14 ga., One Piece Construction  
0047ARP LIGHT BARS , Plastic  
0047ATB SKIRT, BODY , Conventional, 20", 16ga., 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", 35'8" Body Lengths  
0047AUR TIE DOWNS, BODY , Grade 8 Bolts, Every Body Section  
0047AXT RUB RAILS, BODY , (4) Conventional; Steel, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", 35'8" Body Lengths, Includes  
Snow Rail  
0047AYB BODY, REAR , Includes Emergency Door  
0047AZE SIDE SHEET, BODY, EXTERIOR , Conventional, 16ga., Smooth, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", 35'8"  
Body Lengths  
0047AZL FLOOR, BODY , with Wheel Wells  
0047AZY RAILS, WRAP-AROUND, FLOOR , At Floor Level To Radium  
0047AZZ RAILS, WRAP-AROUND , Just Below Window Line  
0047BAK BUMPER, REAR , Painted, 12" High, 3/16" Thick  
0047BAR SUPPORTS, REAR BUMPER , Bolted to Frame  
0047BBH LINING, SIDE INTERIOR, LOWER , Embossed Steel, Clear Coated  
0047BBZ SEALER , Extra; Sidewall to Floor, In Wheel Pocket Area, and Rear Wall to Floor  
0047BDA FLOOR, COATING , , Chemguard Metal Coating, Applied to Main Floor and Intermediate Sills  
0047BKK LETTERS, SCHOOL BUS FRONT/REAR , Decal; "SCHOOL BUS"; with 8" Black Reflective Letters, 3M Fluorescent  
Diamond Grade, Yellow On Front and Rear Cap  
0047BLD STEP, FRONT ENTRANCE DOOR , 27 1/4" Depth; 14ga Steel, Formed Treads, Naviflex Finish  
0047BLU FASTENERS, EXTERIOR MOUNTED , Stainless Steel Screws; for All Exterior Body Lights, Fenders, Body Exterior  
Rear View Mirrors, Bumper Mounted Crossing Gate and Body Mounted Stop Arm  
0047DAE FASTENERS, REAR DOOR , Lag Screws, Rear Door To Body  
0047DAJ COVER, REAR DOOR INSIDE HANDLE , Partial Coverage

# ORDER CONTENT

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HOGLUND BUS CO INC

Job Number : 279833

0047DDE HANDLE, ASSIST, ENTRANCE DOOR , Outside Entrance  
0047DDH HOLD BACK, REAR DOOR , Stationary, No Cables, with Plastic Cover  
0047DDU LATCH, REAR DOOR , One Point Slide Bar, Cam Operated, with One Inch Stroke  
0047DEY HANDLE, EXTERIOR, REAR , Emergency Door; Yellow  
0047DNB DOOR, ENTRANCE, FRONT , Electric, Outward Opening, with Split Pane Glass  
0047DNR SWITCH, LOCATION , Left of Driver; Includes Master Flasher, Amber Flasher, and 3 Position Door Control with Red Override  
0047EBM HOLD DOWN, BATTERY , For (2) Standard Size Batteries  
0047KDC MONITOR, POST TRIP INSPECTION , {Leave No Student Behind} Accessory Controlled, with Push Button Alarm Disable at Rear of Bus in Light Bar Prompts Driver to Walk to Back of Bus to Disable Alarm  
0047LAB NOISE REDUCTION, DRIVER FLOOR , Insulation Covering Complete Driver Floor Area  
0047LAT NOISE REDUCTION, ROOF BOW , Conventional; Insulation, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", 35'8" BodyLengths  
0047LAU INSULATION, ROOF AND SIDES , 1.50", All Models  
0047MAC UNDERCOAT, FLOOR/STEPWLL/SIDES , for Engine Noise Reduction  
0047MBA UNDERCOAT, BODY , Fire Resistant, Water Based, TT-C-730 Spec  
0047MJR LETTERS, DOOR, REAR , Decals; "EMERGENCY DOOR", 2" Black Letters Inside and Outside  
0047MNJ LETTERS, SIGN, REAR , Decal, "UNLAWFUL TO PASS", Mounted on Rear of Bus, for State of Minnesota  
0047MNM LETTERS, BATTERY COMPARTMENT , (01) Decal; "Battery"; 2" Black Letters, Centered on Standard Battery Box  
0047MNT ARROW, RR DOOR, INSIDE , Decal; Red, .75" Stroke, Indicating Handle Direction  
0047MRN STRIPING, E/E WINDOW, LEFT , (02) Perimeter, Reflexite V82, 1" Yellow  
0047MRU LETTERS, E/E WINDOW, LEFT , (2) Decal Sets, "EMERGENCY EXIT", Black Inside and Outside  
0047MSA STRIPING, PERIMETER, REAR , Emergency Door, Reflexite 1" Yellow Reflective  
0047MSE STRIPING, REAR END , Reflexite 2" Yellow  
0047MSJ STRIPING, ROOF HATCH, FRONT , Reflexite Decal, Perimeter, 1" Yellow  
0047MSK STRIPING, ROOF HATCH, REAR , Reflexite Decal, Perimeter, 1" Yellow  
0047MSS STRIPING, SEATLINE , Reflexite V82, 2" Yellow  
0047MTY WIRING DIAGRAM , Schematic, Electrical  
0047MUP STRIPING, E/E WINDOW, RIGHT , (02) Perimeter, Reflexite V82, 1" Yellow  
0047MVA LETTERS, HEADER , Decal; "WATCH YOUR STEP", 1" Black, Above Windshield  
0047MVC LETTERS, STEPWELL , Decal, "WATCH YOUR STEP", 2.5" Black, Behind Door on Step Riser  
0047NAB PAINT COLOR, RUB RAILS , 0001 Canyon Black  
0047NGH LETTERS, CAPACITY , 2" Black Decals, Pupil Capacity, Fuel Capacity "\_\_\_GAL", for State of Minnesota  
0047NGS PAINT HOOD TOP , 0011 Non-Reflecting Black  
0047NGW SEAL, RUB RAILS , Top Edge, All Rails  
0047NHL LETTERS, E/E WINDOW, RIGHT , (2) Decal Sets, "EMERGENCY EXIT", Black, Inside and Outside  
0047NJA PAINT COLOR, BODY EXTERIOR , 4421 School Bus Yellow  
0047NJM PAINT FLASHER BACKGRD , 0001 Canyon Black  
0047NJS PAINT COLOR, BUMPER , Rear, 0001 Canyon Black  
0047NKL PAINT, RUB RAIL , Flange to Flange  
0047NKM PAINT COLOR, BODY INTERIOR , 9384 Spring White  
0047NMG OPERATING INSTR, REAR , Decal, Inside Rear Emergency Door  
0047NTE LOGO, ROOF LINE , Decal; Wing and Shield, First Body Section, Above Driver Window and Entrance Door Over Driver Window and Entrance Door  
0047PBZ HANDLE, ASSIST , Windshield Side Mounted, Left and Right, Body Color  
0047PLX LETTERS, DEF, I.D. , Decal; "DEF ONLY", 1" Black, on DEF Filler Door  
0047SBS SUB FLOOR, PLYWOOD , Conventional; B-C Exterior Grade, Less Sealed Edges, 5/8", 5 Ply, for 31'2",31'11", 32'8",33'5", 34'2", 34'11", 35'8" Body Lengths  
0048ACN SEAT BELT, DRIVER, COLOR , with Blaze Orange Seat Belt Webbing  
0048ANW WINDOW, DRIVER , Storm  
0048APL WINDOW, STOPS , 12" Opening, Only with 78" Headroom  
0048APW WINDOW, ENTRANCE DOOR, TOP , Storm, Laminated, Clear  
0048ARU WINDOW, SASH , (20) 27" Sections, 9"x 23" Opening  
0048ASP WINDOW, SASH +9 SECTIONS , (2) 9" x 32 1/4" Opening  
0048BAH WINDOW, E/E, LEFT , (2) Vertical Hinge  
0048BJA COLOR, WINDOW FRAME, PASS , Passenger Window, Natural Aluminum Finish



# ORDER CONTENT

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HOGLUND BUS CO INC

Job Number : 279833

0048BKP WINDOW, E/E, RIGHT , (2) Vertical Hinge  
0048BUB WINDOW, PASSENGER, TINT , Conventional; 28% Light, Tempered Glass, 78" Headroom, with 34'11", 31'2", 31'11", 32'8", 33'5", 34'2", 35'8" Body Lengths  
0048GHC HEATER, DRIVER , 90,000 BTU, with Defroster and without Rear Heat Duct  
0048PAM WINDSHIELD , 3 Flat Pieces, 73% Light, with Band  
0048PAV WHEEL POCKET COVER , Plastic, ABS  
0048PAY AISLE POSITION , Center, for balanced seating  
0048PBB FLOOR COVERING, COLOR , Black  
0048PKC HOSE CLAMPS, HEATER HOSE , Constant Torque for Heater System  
0048PKN FAN, DEFOG FAR RIGHT , (01) Black, Mounted Right Above Windshield, Forward Entrance Door, 2-Speed Switch in Panel  
0048PKR FAN, DEFOG LEFT CENTER , 6.50" Diameter, Black, Mounted Left of Center Post, 2-Speed Switch in Panel  
0048PMD HEATER, PASS, LT MIDSHIP 1ST , 84,500 BTU  
0048PMJ HEATER, PASS, LT REAR , 84,500 BTU  
0048PMS HEATER, STEPWELL , 50,000 BTU  
0048PNW HEATER, WATER PUMP , {2 MPU 12} Self Priming, with Plastic Housing  
0048PPB SWITCH, HTR FAN, MID, LT 1ST , with 84,500 BTU Heater Only  
0048PPC SWITCH, HTR FAN, REAR, LT , with 84,500 BTU Rear Heater Only  
0048PPM HEATER CUT OFF, VALVE , Ball, with Butterfly Handle  
0048PPS ROOF VENT, FRONT , Static  
0048PSH SEAT, DRIVER , {Magnum 200} Mechanical Suspension  
0048PTR ARM REST, DRIVER, RIGHT , for Magnum 200 Seat  
0048PUP FLOOR COVERING, TRIM , Omit  
0048PUT NUTS, BELT MOUNTING , Standard Nuts For Seat Belt Mounting  
0048PVA UPHOLSTERY, DRIVER SEAT, STYLE , Plain, with Cloth Insert  
0048PVN UPHOLSTERY, DRIVER SEAT, COLOR , Drivers Seat, Gray  
0048PWD UPHOLSTERY, PASS SEATS, COLOR , Gray, for Seats, Barriers and Head Bumpers  
0048PWN UPHOLSTERY, DRIVER SEAT, TYPE , Vinyl, 42 oz.  
0048PXA UPHOLSTERY, BARRIER, TYPE , (1-2) Vinyl, 42 oz.  
0048RAE BARRIER, CRASH, AFT ENTRY DOOR , 39", 1 Leg  
0048RAL BARRIER, CRASH, AFT DRIVER , 39", 1 Leg  
0048REP PANEL, MODESTY, AFT OF DRIVER , Mounted Under Barrier  
0048RET PANEL, MODESTY, AFT ENTR DOOR , Mounted Under Barrier  
0048RGE HAND RAIL, ENTRANCE DOOR, FWD , Stainless Steel; Curved  
0048RGR HAND RAIL, ENTRANCE DOOR, AFT , Stainless Steel, 4", Above Step  
0048RLX CUSHION, SEAT , 15" Depth  
0048RRA UPHOLSTERY, SEAT, STITCHING , Single  
0048SAD SEAT,PASS,LT,26",2 LEG , (01)  
0048SBG UPHOLSTERY, PASS SEATS, TYPE , Vinyl, 42 Ounce  
0048SDV SEAT,PASS,LT,39",2 LEG , (12)  
0048SKP SEAT,PASS,RT,39",2 LEG , (13)  
0048USV SEAT BACK, PASSENGER , High Back  
0048UWV FLOOR COVERING, TYPE , Koroseal, One Piece, Vinyl, All Body Lengths, Black  
0048UZN ROOF HATCH, FRONT , {Specialty Hybrid Adv H1975-025-191-0F} Emergency Exit with Outside Release, Alarm, English Decals  
0048UZT ROOF HATCH, REAR , {Specialty Hybrid Adv H1975-025-191-0F} Emergency Exit with Outside Release, Alarm, English Decals  
0048VVR STEP TREADS , {Koroseal} Pebble White Nosing Only, with Non-Metal Backing, used with Formed Treaded Steps  
0049AHV LIGHT, STROBE, STOP SIGN, FRT , In Lieu Of Flashing Lights Furnished with Stop Sign, Speciality  
0049AJH CONNECTION, LIGHTS , Cluster, Clearance and Side Marker To Tail Lights  
0049AMD SWITCH, DRIVER PANEL, TYPE , Rocker  
0049AMT CIRCUIT, PROTECTION , Breakers, Manual Reset in Lieu of Fuses  
0049AMV ALARM, BACKING , {Ecco #850} 112 db  
0049AMY SWITCH, REAR DOOR BUZZER , for Emergency Door  
0049ANH SWITCH, MAGNETIC, DISCONNECT , Master, Ignition Operated, All Body Circuits  
0049ANU SOURCE, POWER , 12 VDC, Mounted In Dash  
0049APB LIGHTS, DOME , Rectangular Recessed Type, Stagger Mounted in Light Bar

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- 0049APT LIGHT, DRIVER , Mounted in Wiring Access Panel in Ceiling in Light Bar, Left of Driver, Switch Located in Switch Panel
- 0049ARM SWITCH, DOME LIGHT, REAR , Separate, for Rear Row Dome Lights, Last Light on Each Side
- 0049ATV LIGHT, INDIC, WARNING LIGHTS , Red and Amber
- 0049AUM SWITCH, MASTER FLASHER , Omit Master Flasher Switch, 8-Lamp System
- 0049AVW SPEAKERS AND WIRING , (8) Flush Mounted In Light Bar
- 0049BCM FLASHER SYSTEM , (8) Warning Lights, 8-Lamp System, Electronic Relay Flasher, Sequential Operation, Red Lights Activate after Ambers Lights with Door Open
- 0049BCR LIGHT, EXTERIOR, CHECK , Automatically Activates Lights for Pre Trip Inspection
- 0049BVJ MIRROR, CROSS VIEW, EXTERIOR , (2) {Mirror Lite High Definition Busboy} Stainless Steel, Heated
- 0049BYT LIGHTS, STOP , (2) {Sound Off/OptiLuxx} and Tail; 7" Round LED, Red
- 0049BYV LIGHTS, MARKER, FRONT & REAR , (8) {Sound Off/OptiLuxx} LED, Rectangular, Armored, (4) Amber Front and (4) RedRear
- 0049BYY LIGHTS, DIRECTIONAL, FRONT , {Sound Off/OptiLuxx} with Park, 7" Round Amber LED, on Front Cowl
- 0049BYZ LIGHTS, DIRECTIONAL, REAR , (2) {Sound Off/OptiLuxx} LED, 7" Round Amber
- 0049BZG LIGHTS, BACK UP , (2) {Sound Off/OptiLuxx} LED, 7" Round Clear
- 0049CKT FUEL FILLER PIPE , Low Profile Neck Cap and Vent Hosing, for Use with Right Side Fill for Between the Rail Fuel Tanks, for Above the Floor Fuel Fill, for 25 GPM Fill Rate Only
- 0049CLM RADIO, ENTERTAINMENT , AM/FM/USB Input/Auxiliary Input, Includes Antenna and Cable, with Public AddressSystem
- 0049EAW LIGHTS, MARKER, SIDE, INTERMED , {Sound Off/OptiLuxx} LED, Amber, Rectangular, Armored, Intermediate, Centered, Required for Units 30 Foot or Longer
- 0049EAX LIGHTS, DIRECTIONAL, SIDE , (4) {Sound Off/OptiLuxx} Rectangular LED Armored, 2 Each Side First Section Aft Entrance Door & Forward Rear Wheel Pocket
- 0049EGC MIRROR, INSIDE , 6" x 30", Clear Safety Glass, Metal Back, Round Corners
- 0049EKT STOP ARM, FRONT , Electric, Metal Blade, 18" Octagon, Double Sided, 1/2" White Border, Hi Intensity Grade, Strobing LED Lights
- 0049ENK VISOR, INTERIOR, LEFT FRONT , 6" x 30", Transparent, For Left Windshield
- 0049EUB KIT, FIRST AID , Metal; 24 Unit, Spec State
- 0049EVL SWITCH, NOISE SUPPRESSION , Actuator Legend States, "NOISE SUPP " , for Separate Solenoid, with Red Switch inPanel
- 0049EXK MIRROR, REAR VIEW, EXTERIOR , {Rosco Open-View} Stainless Steel, Heated, Non-Detent
- 0049EYS LIGHT, STROBE , LED, White, Double Flash, 2.77" High
- 0049GAM KIT, BODY FLUID , Minnesota
- 0049GBV WINDSHIELD WIPERS , (2) Cowl Mounted
- 0049GBZ MIRROR HEATER SWITCH , {Rosco SW-5-HT} Momentary Type, with 12 Minute Timer Relay, 12 Volt
- 0049GCH LOCATION, FIRST AID KIT , Right Side Front Bulkhead with Screws
- 0049GDB LATCH, DOOR BULKHEAD , Lever Latch, for Bulkhead Mounted Safety Compartment or Destination Sign AccessDoors
- 0049GDD DOOR, REAR BULKHEAD , For Access to Rear Bulkhead
- 0049GEM SAFETY TRIANGLES , Warning Reflectors, Mounted on Front of Drivers Barrier 6" Below Top of ModestyShield
- 0049GGE FIRE EXTINGUISHER, DRIVER AREA , 5 lb 2A-40BC Minimum, with Flexible Hose and Metal Nozzle
- 0049GHN REFLECTORS, REAR , (2) 3", Red, Adhesive Back
- 0049GHR REFLECTORS, SIDE, REAR , (2) 3", Red, Adhesive Back
- 0049GHV REFLECTORS, SIDE, FRONT , (2) 3", Amber; Adhesive Back, 1 Aft Drivers Window Left, 1 Aft Entrance Door Right
- 0049GHX REFLECTORS, SIDE, INTERMEDIATE , (2) 3" Amber, 1 Each Side, Below The Third Rub Rail From the Top, Adhesive Back
- 0049GNJ FUEL FILLER DOOR , with Locking Latch
- 0049GUB CUTTER, SEAT BELT , {TIE TECH Safecut} for Cutting Seat Belts
- 0049GUM INSPECTION PLATE , Fuel Sending Unit 8" x 8" Steel
- 0049GUX MUD FLAPS, FRONT WHEELS , (2) Rubber
- 0049GVC MUD FLAPS, REAR WHEELS , (2) Rubber
- 0049GVN WARRANTY , 5-Year, Limited
- 0049GWW WINDSHIELD WASHER , Kit; 6 Quart Capacity, Bottle
- 0049JAD DEF FILLER DOOR , with Locking Latch
- 0049JBS LIGHTS, CLUSTER , {Sound Off/OptiLuxx} Oval, 4 Internal LEDs per Light; Amber Front and Red Rear

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0049JBU LIGHT, ENTRY DOOR , {Sound Off/OptiLuxx} LED; 4" Oval; Light Mounted in Skirt Behind Entrance Door,Wired To Step Light  
0049JBW LIGHT, STEP , {Sound Off/OptiLuxx} 4" Round LED, White, Wired to Clearance Lights, Operated by Entrance Door  
0049JGB COMPARTMENT, OVER WINDSHIELD , Centered, with Single Piece Panel and Door  
0049NGD LIGHTS, BACK UP, ADDITIONAL , (2) {Sound Off/OptiLuxx} 4" Oval LED Mounted on Left and Right Skirts, Aft of Rear Wheel Pocket Area, Below Seat Line Rub Rail, Illumination at Rear Tire, Wired to Reverse Light Signal  
0049NGG LIGHTS, TAIL, LICENSE PLATE , (2) {Sound Off/OptiLuxx} 4" Round LED, Red, Includes Stop & Light Window, Includes Mounting Gasket  
0049NGJ LIGHTS, WARNING , (8) {Sound Off/OptiLuxx} (4) 7" Round Red Strobing LED and (4) 7" Round Amber Strobing LED, 2 Front, 2 Rear Each Color  
0049UBB STATE OF OPERATION , Minnesota  
0049057 BODY PLAN, APPROVED VARIATION , Number 057  
0050ACW BODY PLAN, NON-SPECIAL NEEDS , Conventional; 34' 11" Body Length, +9 Section Rear, 77 Passenger, 276" WB, DX3071A000

## Tires

07372135809 (2) TIRES, FRONT 11R22.5 Load Range G AH37 (HANKOOK), 501 rev/mile, 75 MPH, All-Position  
07372135810 (4) TIRES, REAR 11R22.5 Load Range G DH37 (HANKOOK), 498 rev/mile, 75 MPH, Drive

## Paint

CAB Schematic: 101NB 1 4421 school bus yellow,2 0011 blk non ref

## Special Quotes (SQ)

714998-000 714998/7708W/2021

## Parameters

0012ERT ENGINE, DIESEL , {Cummins B6.7 250} EPA 2021, 250HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600RPM  
Governed Speed, 250 Peak HP (Max), School Bus Only

Max Accelerator Vehicle Speed	75 MPH
Road Speed Governor Upper Droop	3 MPH
Road Speed Governor Lower Droop	0 MPH
Max Engine Speed No Veh Speed Sensr	1755 RPM
Idle Speed Adjustment Enable	Y
Low Idle Speed	750 RPM
Idle Shutdown Enable	N
ISD Time Before Shutdown	60.0 MIN
ISD Percent Engine Loading	100 %
ISD In PTO	N
ISD Manual Override	N
ISD With Parking Brake Set	N
ISD Ambient Temperature Override	N
ISD Cold Ambient Air Temperature	30 F
ISD Intermediate Ambient Air Temp	40 F
ISD Hot Ambient Air Temperature	81 F
ISD Manual Override Inhibit Zone En	N
ISD Hot Ambient Automatic Override	N
ISD Engine Coolant Temp Threshold	53 F
Cruise Control Enable	Y
CC Maximum Vehicle Speed	75 MPH
CC Save Set Speed	Y
CC Upper Droop	3.0 MPH
CC Lower Droop	0.0 MPH
CC Auto Resume	Y
CC Ovrspd Retard Activation Enable	N

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CC Overspeed for Max Retarder	0.0 MPH
CC Overspeed for Min Retarder	0.0 MPH
Retarder - Min Vehicle Speed	10 MPH
Retarder - Delay Time	0.5 SEC
Retarder - Service Brake Activation	N
PTO Max Engine Speed	2600 RPM
PTO Max Engine Speed w/Auto SS	2600 RPM
PTO Max Vehicle Speed	5 MPH
PTO Service Brake Override	Y
PTO Resume Switch Speed	950 RPM
PTO Set Switch Speed	950 RPM
PTO Ramp Rate	250 RPM/SEC
Engine Protection Shutdown	N
Engine Protection Restart Inhibit	N
Engine Prot Coolant Level Shutdown	N
Trip Information Vehicle Ovrspeed1	62 MPH
Trip Information Vehicle Ovrspeed2	64 MPH
Maintenance Monitor Enable	N
Maintenance Monitor Operating Mode	0
Maintenance Monitor Alert Percent	90 %
Maintenance Monitor Distance	15000 MILES
Maintenance Monitor Fuel	2000 GALLONS
Maintenance Monitor Time	500 HOURS
Maintenance Monitor Interval Factor	1.00
Master Password	000000
Adjustment Password	000000
Reset Password	000000