



# BELLVILLE INDEPENDENT SCHOOL DISTRICT

## Meeting of the BISD Board of Trustees

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February 25, 2021

<b>Subject:</b>	Consider Recommendation to Purchase two Special Needs School Buses
<b>Presenter:</b>	Dennis Jurek
<b>Board Policy:</b>	
<b>BISD Goal:</b>	<ol style="list-style-type: none"><li>1. Develop and attain local standards for high levels of integrated learning and performance. [LEARNING]</li><li>2. Foster a connected, collaborative, and strategic approach to continuous improvement for the district. [LEADERSHIP]</li><li>3. Create a culture that attracts, develops, and retains exceptional individuals to be part of our district and community. [HUMAN CAPITAL]</li><li>4. Cultivate connections in our schools and community to ensure all feel safe, valued, and engaged in meaningful ways. [COMMUNITY]</li></ol>

<b>Summary:</b>	<p>In accordance with the Texas Education Code, Chapter 44, Subchapter B, Section 44.031, Bellville ISD has solicited proposals through inter-local governmental contracts to meet our purchasing requirements, regarding the purchase of a Special Needs School Bus.</p> <p>BISD currently is in need to two new specially adapted buses to replace two existing busses with high mileage, escalating repair cost and are not reliable for day to day routes. The new buses will be outfitted with higher rated wheel chair lifts capable of handling the heavier electric wheel chairs and integrated car seat belts.</p>
<b>Attachments:</b>	<ul style="list-style-type: none"><li>▪ Quoted Pricing</li></ul>
<b>Recommendation:</b>	<p>It is my recommendation the board approve, the following the purchase of two (2) special needs buses through the BuyBoard contract #630-20 from <b>Longhorn Bus Sales</b> for the quoted price of <b>\$215,198.00</b>.</p>

**BELLVILLE BRAHMAS**  
LEARNERS TODAY. LEADERS TOMORROW.





# **INTEGRATED CE S BUS**

**Sales Proposal For:  
Bellville ISD**

**Presented By:  
LONGHORN BUS SALES**

February 02, 2021

**Prepared For:**  
Bellville ISD  
Transportation Director  
518 S Mathews St.  
Bellville, TX 77418-1599  
(979)865 - 3672  
Reference ID: 54pDSL3wc3ptcrs

**Presented By:**  
LONGHORN BUS SALES  
LINDA BLUME  
9100 N LOOP E  
HOUSTON TX 77029 -  
(713)631-9306

Thank you for the opportunity to provide you with the following quotation on a new IC Corporation vehicle. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

**Model Profile**  
**2022 INTEGRATED CE S BUS (PB105)**

<b>APPLICATION:</b>	School Transportation, Special Needs
<b>MISSION:</b>	Requested GVWR: 29800. Calc. GVWR: 29800 Calc. Start / Grade Ability: 22.20% / 1.75% @ 55 MPH Calc. Geared Speed: 76.9 MPH
<b>DIMENSION:</b>	Wheelbase: 217.00, CA: N/A, Axle to Frame: 126.00
<b>ENGINE, DIESEL:</b>	{Cummins B6.7 220} EPA 2021, 220HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 220 Peak HP (Max), School Bus Only
<b>TRANSMISSION, AUTOMATIC:</b>	{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
<b>CLUTCH:</b>	Omit Item (Clutch & Control)
<b>AXLE, FRONT NON-DRIVING:</b>	{Meritor MFS-10-122A} I-Beam Type, 10,000-lb Capacity
<b>AXLE, REAR, SINGLE:</b>	{Dana Spicer 19060S} Single Reduction, 19,800-lb Capacity, 190 Wheel Ends Gear Ratio: 4.88
<b>TIRE, FRONT:</b>	(2) 255/70R22.5 Load Range H AH37 (HANKOOK), 562 rev/mile, 75 MPH, All-Position
<b>TIRE, REAR:</b>	(4) 255/70R22.5 Load Range H AH37 (HANKOOK), 562 rev/mile, 75 MPH, All-Position
<b>SUSPENSION, REAR, AIR, SINGLE:</b>	{International IROS} 21,000-lb Capacity, 9.25" Ride Height, with Shock Absorbers
<b>PAINT:</b>	Cab schematic 100NB Location 1: 4421, School Bus Yellow (Std) Chassis schematic N/A

**Vehicle Specifications**  
**2022 INTEGRATED CE S BUS (PB105)**

**February 02, 2021**

<b>Code</b>	<b>Description</b>
PB10500	Base Chassis, Model INTEGRATED CE S BUS with 217.00 Wheelbase, N/A CA, and 126.00 Axle to Frame.

**BODY PLANS**

47AEU	BODY, BUS Conventional; 78" Headroom, 26'8" Body Length, +9 Section Front and Rear, 54 Passenger, 217/218 WB
50WDG	BODY PLAN, SPECIAL NEEDS Conventional; 26' 08" Body Length, +9 Section Front & Rear, 44 Passenger, 218" WB, DJ0263A000
49001	BODY PLAN, APPROVED VARIATION Number 001

**ENGINE**

12ERP	ENGINE, DIESEL {Cummins B6.7 220} EPA 2021, 220HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 220 Peak HP (Max), School Bus Only
12UYE	RADIATOR Aluminum, 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, with 313 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler  <u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12TSY	FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On  <u>Includes</u> : FAN Nylon
12VBR	AIR CLEANER with Service Protection Element  <u>Includes</u> : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12VVN	CRUISE CONTROL Electronic  <u>Notes</u> : Cruise Control Switches Mounted on Steering Wheel are Non-Illuminated.
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations
12VHP	FEDERAL EMISSIONS {Cummins B6.7} EPA, OBD and GHG Certified for Calendar Year 2021
12VWH	GOVERNOR Electronic Road Speed Type; for Electronic Engines and Bus Models; with 55 MPH Default
12VYV	IDLE MANAGEMENT SYSTEM Ramp Engine Speed with Air Condition On, in Neutral and Parking Brake Set, Accommodation Package
12UGN	THROTTLE, HAND CONTROL Electronic  <u>Notes</u> : Cruise Control Switches Mounted on Steering Wheel are Non-Illuminated.

**TRANSMISSION**

13ART	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  <u>Includes</u> : OIL FILTER, TRANSMISSION Mounted on Transmission : TRANSMISSION OIL PAN Magnet in Oil Pan
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**February 02, 2021**

<b>Code</b>	<b>Description</b>
13WYY	SHIFT CONTROL PARAMETERS {Allison} 1000 or 2000 Series Transmissions, Performance Programming
13WLN	TRANSMISSION OIL Synthetic; 20 thru 28 Pints

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**CLUTCH**

11001	CLUTCH Omit Item (Clutch & Control)
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**REAR AXLES, SUSPENSIONS**

14AGM	AXLE, REAR, SINGLE {Dana Spicer 19060S} Single Reduction, 19,800-lb Capacity, 190 Wheel Ends . Gear Ratio: 4.88  <u>Includes</u> : REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle  <u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires. : When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and Performance
14TBS	SUSPENSION, REAR, AIR, SINGLE {International IROS} 21,000-lb Capacity, 9.25" Ride Height, with Shock Absorbers  <u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.
14WAW	FLAT FLOOR EFFECTS for Air Suspension; with Conventional Bus Models

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**FRONT AXLES**

2ASH	AXLE, FRONT NON-DRIVING {Meritor MFS-10-122A} I-Beam Type, 10,000-lb Capacity  <u>Includes</u> : AXLE, FRONT SQUARING to Plus or Minus .015 Inch, using a Special Fixture to Assure Parallelism of Springs  <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
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**FRONT SUSPENSIONS**

3ADB	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 10,000-lb Capacity, with Shock Absorbers  <u>Includes</u> : SPRING PINS Bolt and Nut Type : SPRING PINS Rubber Bushings, Maintenance-Free  <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
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**CABS, COWLS, BODIES**

16010	COWL Flat Back
16HBA	GAUGE CLUSTER English with English Electronic Speedometer  <u>Includes</u>

**Vehicle Specifications**  
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	: GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter : ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout : WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)
16HLJ	GAUGE, DEF FLUID LEVEL
16HGH	GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

**FRAMES**

1CAC	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); 480.1" (12195mm) Maximum OAL  <u>Includes</u> : CHASSIS PAINT Chassis Painted Prior to Body Mounting : FRAME RAILS All holes Laser Aligned and Machine Punched, Powder Coated Prior to Full Assembly, Assembled in Fixture using "Grade 8" Bolts : FRAME REINFORCEMENT, SPECIAL 3.30" x 1.80" x 0.312" x 31.50" Inverted "L" in Front Shock Absorber Mounting Area
1LTV	BUMPER, FRONT Contoured, Steel, Heavy Duty
1LNT	CROSSING GATE, FRONT Omit Item  <u>Includes</u> : CROSSING GATE, FRONT Matches Contour of Bumper
1SAM	CROSSMEMBER, REAR, AF (2)
1WHT	WHEELBASE RANGE 193" (490cm) Through and Including 217" (550cm)

**BRAKES**

4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications  <u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6  <u>Notes</u> : Rear Axle is Limited to 19,000-LB GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NDC BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered : Rear Axle is Limited to 20,000-LB GAWR with Code 04092 BRAKE SYSTEM, AIR and Code 04NCW BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered
4AZS	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Electronic Stability Program, with Automatic Traction Control
4XDD	BRAKES, FRONT {Meritor 15X5 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 15" X 5", 13,200-lb Capacity
4EXP	BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn
4LAG	SLACK ADJUSTERS, FRONT {Gunite} Automatic

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**2022 INTEGRATED CE S BUS (PB105)**

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<b>Code</b>	<b>Description</b>
4XDR	BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqIn Spring Brake
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM
4EBS	AIR DRYER {Bendix AD-9} with Heater
4VCY	AIR TANK LOCATION (1) Mounted Left Side to Provide Clearance for Larger Body Builder Supplied Battery Box
4722	DRAIN VALVE {Bendix DV-2} Automatic, with Heater, for Air Tank
4WZT	GVWR LIMITATION FOR BUS with Air Brakes, Limited to 33,000-lbs Maximum to meet FMVSS 121 Requirements, for Conventional Bus
4WEA	PARKING BRAKE INTERLOCK Parking Brake Cannot be Released until Ignition Switch is in the "ON" Position and the Service Brake Pedal is Applied, Use with air brake chassis only.
4LGG	SLACK ADJUSTERS, REAR {Gunitex} Automatic

**STEERING**

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5PSA	STEERING GEAR {Sheppard M100} Power
5708	STEERING COLUMN Tilting
5CAL	STEERING WHEEL 2-Spoke, 18" Dia., Black

**DRIVELINES**

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6DGA	DRIVELINE SYSTEM {Dana Spicer} SPL100, for 4x2/6x2
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**EXHAUST SYSTEMS**

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7BMK	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Under Right Rail, for Single Long Horizontal Tail Pipe
7SCP	ENGINE EXHAUST BRAKE for Cummins ISB/B6.7/ISL/L9 Engine with Variable Vane Turbo Charger
7WBL	TAIL PIPE (1) Horizontal, Long, Exits Left Side Through Bumper

**ELECTRICAL SYSTEMS**

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8000	<p>ELECTRICAL SYSTEM 12-Volt, Standard Equipment</p> <p><u>Includes</u></p> <ul style="list-style-type: none"> <li>: HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover</li> <li>: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever</li> <li>: MISCELLANEOUS FEATURES Modular, Loom Protected, Grommets in all Applicable Body Openings, Assembled in Computer Assisted Fixture which Verifies Continuity and Correct Assembly Prior to Installation</li> <li>: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light</li> <li>: STARTER SWITCH Electric, Key Operated</li> <li>: TURN SIGNAL FLASHER</li> <li>: TURN SIGNAL SWITCH Self-Cancelling with Lane Change Feature</li> <li>: TURN SIGNALS, FRONT Includes Reflectors; Flush Mounted</li> <li>: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever</li> <li>: WIRING, CHASSIS Color Coded and Continuously Numbered</li> </ul>
8GXK	ALTERNATOR {Leece-Neville BLP4006HN} Brushless, 12 Volt, 325 Amp Capacity, Pad Mount, with Remote Sense



**Vehicle Specifications**  
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<b>Code</b>	<b>Description</b>
8TTM	BATTERY BOX Steel, with Powder Coat Sliding Tray, 25.25" Wide, for Standard Batteries, 1-3 Battery Capacity, Mounted Left Side Behind Front Axle Perpendicular to Frame Rail
8MSG	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8TPL	COLLISION MITIGATION SYSTEM {Bendix Wingman Advanced} Adaptive Cruise Control with Collision Mitigation and Stationary Object Alert; Includes Front Radar, Driver Display
8WXB	HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position
8WPB	HEADLIGHTS Halogen, Composite Aero Design, with Daytime Running Lights
8VAZ	HORN, ELECTRIC (2) Trumpet Style, Mounted on Top of Mega-Bracket
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8XKL	STARTING MOTOR {Mitsubishi Electric Automotive America 90P47} 12-Volt, with Soft-Start

**FRONT END**

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9WAY	FRONT END Tilting, Fiberglass, with Three Piece Construction
	<u>Includes</u> : AIR INTAKE SYSTEM Integrated Pre-Cleaning System to Enhance Air Filter Life : GRILLE Removable; Fiberglass Painted Hood Color : SPLASH SHIELD Integral with Front End Assembly
9WAB	HOOD TILT ASSIST {EASY TILT} Mechanical
9AAE	LOGOS EXTERIOR, ENGINE Badges

**SPEEDOMETER, TOOLS, MISC**

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10020	CHASSIS PAINT Full Chassis
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
	<u>Includes</u> : PAINT SCHEMATIC ID LETTERS "NB"
10788	PAINT TYPE Urethane, One or Two Colors, Other than Imron or International.
10XAK	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)
10XAJ	PROMOTIONAL PACKAGE LED EXT {Sound Off/OptiLuxx} LED Lights

**FUEL TANKS**

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15SZM	FUEL TANK Top Draw, Steel, Rectangular, 65 US Gal (246L), Includes Protective Cage, for Low Profile Fuel Filler Assembly and Vent Hosing, Mounted Between Frame Rails and Behind Rear Axle
15WEP	DEF TANK 16.5 US Gal (62.5L) Capacity, Frame Mounted Outside Right Rail, Behind 0 Bow

**WHEELS, TIRES - FRONT**

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27DUW	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
7752525809	(2) TIRE, FRONT 255/70R22.5 Load Range H AH37 (HANKOOK), 562 rev/mile, 75 MPH, All-Position

**WHEELS, TIRES - REAR**

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**Vehicle Specifications**  
**2022 INTEGRATED CE S BUS (PB105)**

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<b>Code</b>	<b>Description</b>
28DUW	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
7752525809	(4) TIRE, REAR 255/70R22.5 Load Range H AH37 (HANKOOK), 562 rev/mile, 75 MPH, All-Position

**WHEELS MISC OPTIONS**

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29580	WHEEL SEALS, FRONT {International} Oil-Lubricated Wheel Bearings
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**BODY FEATURES**

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47BAK	BUMPER, REAR Painted, 12" High, 3/16" Thick
47BAR	SUPPORTS, REAR BUMPER Bolted to Frame
47AYB	BODY, REAR Includes Emergency Door  <u>Includes</u> : DOOR, REAR EMERGENCY with Concealed Hinges : HEADER BUMPER Padded, Mounted Over Rear Door; Upholstered to Match Passenger Seat Color
47ARH	BOWS, ROOF 14 ga., One Piece Construction  <u>Includes</u> : BOWS, ROOF Positioned Floor Line to Floor Line, Threaded Through Roof Strainers and Drip Rail
47AMA	FASTENERS, EXTERIOR MOUNTED Stainless Steel Screws; for Fender and Body Exterior Rear View Mirrors, Bumper Mounted Crossing Gate and Body Mounted Stop Arm
47DXG	FASTENERS, HANDRAIL Plusnuts & Screws
47APX	FASTENERS, HEADLINER Screws
47AZK	FLOOR, BODY Flat
47PBZ	HANDLE, ASSIST Windshield Side Mounted, Left and Right, Body Color
47APR	HEADLINER, BODY Conventional; 25'11"-34'11" Body Length, Perforated Full Length with Sound Insulation Full Length
47ARP	LIGHT BARS Plastic
47BBH	LINING, SIDE INTERIOR, LOWER Embossed Steel, Clear Coated
47AXR	RUB RAILS, BODY (4) Conventional; Steel, 25'2", 25'11", 26'8", 27'5" Body Length, Includes Snow Rail  <u>Includes</u> : RUB RAILS Full Length, Primer Coated (Both Sides), Attached to Body without Cuts or Splices
47BBZ	SEALER Extra; Sidewall to Floor, In Wheel Pocket Area, and Rear Wall to Floor
47AZC	SIDE SHEET, BODY, EXTERIOR Conventional, 16ga., Smooth, 25'2", 25'11", 26'8", 27'5", Body Length
47ASG	SKIRT, BODY for Conventional, 14 1/2", 16ga  <u>Includes</u> : SKIRT, BODY Extra Smooth Steel Supported by Floor Gussets
47AKK	STEP, FRONT ENTRANCE DOOR 25 3/4" Depth; 14ga Steel  <u>Includes</u> : STEP, FRONT ENTRANCE DOOR OPENING, 35 Inch Width; Continuous Bottom to Top
47AUR	TIE DOWNS, BODY Grade 8 Bolts, Every Body Section  <u>Includes</u>

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<b><u>Code</u></b>	<b><u>Description</u></b>
	: TIE DOWNS, BODY with Formed Tab that Fits into Floor Structure to Prevent Turning
47DAJ	COVER, REAR DOOR INSIDE HANDLE Partial Coverage
47DBP	DOOR, ENTRANCE, FRONT Air, Outward Opening, with Split Pane Glass
47DWP	DOOR, LIFT Single, 43" x 69.79", Mounted Aft of Rear Wheel Pocket, with 78" Headroom
47DAK	FASTENERS, REAR DOOR Bolts and Nutserts, Rear Door To Body
47DDE	HANDLE, ASSIST, ENTRANCE DOOR Outside Entrance
47DCW	HANDLE, EXTERIOR, LIFT DOOR Single Door, Yellow
47DEY	HANDLE, EXTERIOR, REAR Emergency Door; Yellow
47DDH	HOLD BACK, REAR DOOR Stationary, No Cables, with Plastic Cover
47DDR	LATCH, LIFT DOOR Single, Three Point Slide Bar
47DDU	LATCH, REAR DOOR One Point Slide Bar, Cam Operated, with One Inch Stroke
47EXK	LOCK, ENTRANCE DOOR Integrated Manual Control in Door, with Key
47DEK	LOCK, REAR DOOR with Ignition Starter Interlock
47DEV	LOCK, SINGLE LIFT DOOR with Ignition Starter Interlock
47EYB	COMPARTMENT, TOOLBOX, LT FWD 13" x 15" x 25.5", with Lock
47EBM	HOLD DOWN, BATTERY For (2) Standard Size Batteries
47LAU	INSULATION, ROOF AND SIDES 1.50", All Models
47MBC	INSULATION, STEPWELL
47LAR	NOISE REDUCTION, ROOF BOW Conventional; Insulation, 25'2", 25'11", 26'8", 27'5" Body Lengths
47MBA	UNDERCOAT, BODY Fire Resistant, Water Based, TT-C-730 Spec
	<b><u>Includes</u></b>
	: UNDERCOATING Performed Before and After Mounting on Chassis
47SPC	ALPHA/NUMERIC DECAL GUIDE Quantity 031-40
47MNT	ARROW, RR DOOR, INSIDE Decal; Red, .75" Stroke, Indicating Handle Direction
47MNV	ARROW, RR DOOR, OUTSIDE Decal; Black .75" Stroke, Indicating Handle Direction
47AJA	BODY CERTIFICATION TAG Metal
47APJ	BODY RATING TAG Metal; for State of Texas, Includes Design Capacity and Seat Capacity
47AJC	BODY TAG, METAL Capacity to Include the Total Number of Passengers
47AKZ	DECAL, HANDICAP (4) 6" x 6", 1 Mounted on Electrical Access Door, 1 Mounted on Lift Door Below Window Line, 1 on Left Bumper, 1 on Rear Door Between Top and Bottom Glass
47PLX	LETTERS, DEF, I.D. Decal; "DEF ONLY", 1" Black, on DEF Filler Door
47MJR	LETTERS, DOOR, REAR Decals; "EMERGENCY DOOR", 2" Black Letters Inside and Outside
47NGP	LETTERS, FUEL I.D. Paint; "DIESEL FUEL", 2" Black, Adjacent to Fuel Filler Door
47MVA	LETTERS, HEADER Decal; "WATCH YOUR STEP", 1" Black, Above Windshield
47MRU	LETTERS, E/E WINDOW, LEFT (2) Decal Sets, "EMERGENCY EXIT", Black Inside and Outside
47NHL	LETTERS, E/E WINDOW, RIGHT (2) Decal Sets, "EMERGENCY EXIT", Black, Inside and Outside

**Vehicle Specifications**  
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<b>Code</b>	<b>Description</b>
47MAV	LETTERS, SCHOOL BUS SIDE Decal; "SCHOOL BUS"; in 8" Reflective Black Letters, Each Side
47BKK	LETTERS, SCHOOL BUS FRONT/REAR Decal; "SCHOOL BUS"; with 8" Black Reflective Letters, 3M Fluorescent Diamond Grade, Yellow On Front and Rear Cap
47MVC	LETTERS, STEPWELL Decal, "WATCH YOUR STEP", 2.5" Black, Behind Door on Step Riser
47NTE	LOGO, ROOF LINE Decal; Wing and Shield, First Body Section, Above Driver Window and Entrance Door Over Driver Window and Entrance Door
47NMG	OPERATING INSTR, REAR Decal, Inside Rear Emergency Door
47NJA	PAINT COLOR, BODY EXTERIOR 4421 School Bus Yellow
47NKR	PAINT COLOR, BODY INTERIOR Light Gray
47NJS	PAINT COLOR, BUMPER Rear, 0001 Canyon Black
47NKC	PAINT COLOR, ROOF 9219 Winter White
47NAB	PAINT COLOR, RUB RAILS 0001 Canyon Black
47NJM	PAINT FLASHER BACKGRD 0001 Canyon Black
47NTY	PAINT HOOD AND FENDER To Match Body Exterior
47NKL	PAINT, RUB RAIL Flange to Flange
47NGW	SEAL, RUB RAILS Top Edge, All Rails
47NXH	STRIPING, E/E WINDOW, LEFT {3M} (02) Perimeter, 1" Yellow Fluorescent Diamond Grade
47NWU	STRIPING, E/E WINDOW, RIGHT {3M} (02) Perimeter, 1" Yellow Fluorescent Diamond Grade
47NXN	STRIPING, PERIMETER, REAR {3M} Emergency Door, 1" Yellow Fluorescent Diamond Grade
47NWR	STRIPING, REAR END {3M} 2" Yellow Fluorescent Diamond Grade
47NWT	STRIPING, ROOF HATCH, FRONT {3M} Decal, Perimeter, 1" Yellow Fluorescent Diamond Grade
47NWH	STRIPING, ROOF HATCH, REAR {3M} Decal, Perimeter, 1" Yellow Fluorescent Diamond Grade
47NWJ	STRIPING, SEATLINE {3M} 2" Yellow Fluorescent Diamond Grade
47MTY	WIRING DIAGRAM Schematic, Electrical
	<u>Includes</u> : ACCESS PANEL for Wiring Diagram Schematic Located on Body Exterior; Below Driver Window
47SAZ	SUB FLOOR, PLYWOOD Conventional; B-B Marine Grade, Less Sealed Edges, 5/8", 5 Ply, for 25'2", 25'11", 26'8" or 27'5" Body Lengths
47KDC	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
47DNK	SWITCH, LOCATION Steering Wheel; Includes Master Flasher, Flasher On/Off, Red Override, and Door Control
	<u>Includes</u> : SWITCH, STEERING WHEEL, LIGHT Includes Illuminated Switches

**BODY FEATURES**

48ANT	WINDOW, DRIVER Laminated, Clear
48ANM	WINDOW, ENTRANCE DOOR, BOTTOM Laminated, Clear
48ANE	WINDOW, ENTRANCE DOOR, TOP Laminated, Clear

**Vehicle Specifications**  
**2022 INTEGRATED CE S BUS (PB105)**

**February 02, 2021**

<b><u>Code</u></b>	<b><u>Description</u></b>
48BJA	COLOR, WINDOW FRAME, PASS Passenger Window, Natural Aluminum Finish
48BAH	WINDOW, E/E, LEFT (2) Vertical Hinge
48BKP	WINDOW, E/E, RIGHT (2) Vertical Hinge
48AUL	WINDOW, PASSENGER, TINT Conventional; 28% Light, Laminated Glass, 78" Headroom, with 25'2", 25'11", 26'8", 27'5" Body Lengths
48ARD	WINDOW, SASH (9) 27" Sections, 9"x 23" Opening
48ASR	WINDOW, SASH +9 SECTIONS (3) 9" x 32 1/4" Opening
48APL	WINDOW, STOPS 12" Opening, Only with 78" Headroom
48PAM	WINDSHIELD 3 Flat Pieces, 73% Light, with Band
48PAY	AISLE POSITION Center, for balanced seating
48PBE	FLOOR COVERING, COLOR Light Gray #788
48PJR	FLOOR COVERING, TRIM Aluminum
48PJZ	FLOOR COVERING, TYPE {Koroseal} All Body Lengths
48RZJ	STEP TREADS {Koroseal} Pebble Top with White Nosing, with Non-Metal Backing
48PKC	HOSE CLAMPS, HEATER HOSE Constant Torque for Heater System
48PKR	FAN, DEFOG LEFT CENTER 6.50" Diameter, Black, Mounted Left of Center Post, 2-Speed Switch in Panel
48PPM	HEATER CUT OFF, VALVE Ball, with Butterfly Handle
48PPP	HEATER CUT OFF, VALVE INSIDE Brass Ball, Inside Driver Area
48GHC	HEATER, DRIVER 90,000 BTU, with Defroster and without Rear Heat Duct
	<u>Includes</u>
	: AIR FILTER
	: HEATER HOSES Premium
	: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps
48UYC	HEATER, REAR WALL, RT SIDE 80,000 BTU, Bergstrom
48PNW	HEATER, WATER PUMP {2 MPU 12} Self Priming, with Plastic Housing
48PZP	ROOF HATCH, FRONT {Specialty 9245-0200} Emergency Exit with Alarm
48PZR	ROOF HATCH, REAR {Specialty 9245-0200} Emergency Exit with Alarm
48PPS	ROOF VENT, FRONT Static
48NAT	FITTINGS, AIR SEAT for Driver Seat
48PUT	NUTS, BELT MOUNTING Standard Nuts For Seat Belt Mounting
48RYW	SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Isolated, with 2 Position Front Cushion Adjustment, 6 to 17 Degree Seat Back Adjustment, Mechanical Lumbar Support, Includes Additional Back Padding
	<u>Includes</u>
	: SEAT BELT, DRIVER Adjustable D-Loop Seat Belt, Single Locking Retractor
48PXP	UPHOLSTERY, BARRIER, TYPE (1-2) Prevaill, 42 oz.
48PVN	UPHOLSTERY, DRIVER SEAT, COLOR Drivers Seat, Gray
48PVA	UPHOLSTERY, DRIVER SEAT, STYLE Plain, with Cloth Insert

**Vehicle Specifications**  
**2022 INTEGRATED CE S BUS (PB105)**

**February 02, 2021**

<b>Code</b>	<b>Description</b>
48PWR	UPHOLSTERY, DRIVER SEAT, TYPE Prevaill, 42 oz.
48RAE	BARRIER, CRASH, AFT ENTRY DOOR 39", 1 Leg
48RAL	BARRIER, CRASH, AFT DRIVER 39", 1 Leg
48UYW	HAND RAIL, ENTRANCE DOOR, AFT Stainless Steel, 28" Above Floor
48UXC	HAND RAIL, ENTRANCE DOOR, FWD Stainless Steel; 28" Above Floor
48ACN	SEAT BELT, DRIVER, COLOR with Blaze Orange Seat Belt Webbing
48USV	SEAT BACK, PASSENGER High Back
48WZV	SEAT,CHILD,LT,36",2 LEG {BTI Seating System} (02) High Back, with 3 Point Seat Belts, with Child Restraints
	<u>Notes</u> : BTI Seating System -Integrated Child Restraint. Retrofittable, Contact IC Bus Application Engineering for more information.
48XAE	SEAT,CHILD,RT,36",2 LEG {BTI Seating System} (02) High Back, with 3 Point Seat Belts and Child Restraint
	<u>Notes</u> : BTI Seating System -Integrated Child Restraint. Retrofittable, Contact IC Bus Application Engineering for more information.
48XZX	SEAT,PASS,3PT,LT,39",2 LEG {BTI Seating System} (3) High Back, with 3 Point Seat Belts
48YAL	SEAT,PASS,3PT,RT,39",2 LEG {BTI Seating System} (3) High Back, with 3 Point Seat Belts
48GJZ	SEAT,TRACK,LT,39",6 LEG {IMMI Seats} (04) High Back, with 3 Point Seat Belts
48GJN	SEAT,TRACK,RT,39",6 LEG {IMMI Seats} (02) High Back, with 3 Point Seat Belts
48PWD	UPHOLSTERY, PASS SEATS, COLOR Gray, for Seats, Barriers and Head Bumpers
48NCJ	UPHOLSTERY, PASS SEATS, TYPE Kevlar, 42 oz.; for (15-16) Seats
48RLX	CUSHION, SEAT 15" Depth
	<u>Includes</u> : WARRANTY Four Years
48RRA	UPHOLSTERY, SEAT, STITCHING Single
	<u>Includes</u> : WARRANTY Two Years

**BODY FEATURES**

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49HGA	TRACK, FLOOR LENGTHS 151"-200", with Full Shoulder Track
49HHB	TIE DOWN, TRACK (03) Retractable
49MJX	TIE DOWN, TRACK TYPE {QRT Q-8107-A1-L2} Retractable, with Track Fittings on Shoulder Belt
49JBG	TRACK, TYPE (BRAND) {OMNI L Track}
49AMJ	ALARM, BACKING {Ecco #575} 107 db
49AMT	CIRCUIT, PROTECTION Breakers, Manual Reset in Lieu of Fuses
	<u>Includes</u> : ACCESS PANEL for Body and Chassis Fuses/Circuit Breakers Located on Body Exterior; Below Driver Window
49AJH	CONNECTION, LIGHTS Cluster, Clearance and Side Marker To Tail Lights

**Vehicle Specifications**  
**2022 INTEGRATED CE S BUS (PB105)**

**February 02, 2021**

<b><u>Code</u></b>	<b><u>Description</u></b>
49BCN	FLASHER SYSTEM (8) Warning Lights, 8-Lamp System, Electronic Relay Flasher, Non-Sequential Operation, Red Lights Activate with Door Open
49DBR	HOOD, WARNING LAMP (4) Black, 8-Lamp System, One Hood Above Two Lights
49APA	LIGHT, DRIVER, CEILING Deluxe, with Separate Switch, Mounted in Light Bar
49JBU	LIGHT, ENTRY DOOR {Sound Off/OptiLuxx} LED; 4" Oval; Light Mounted in Skirt Behind Entrance Door, Wired To Step Light
49BCR	LIGHT, EXTERIOR, CHECK Automatically Activates Lights for Pre Trip Inspection
49ATJ	LIGHT, INDIC, LIFT DOOR Amber; Flashing, Located in Driver Area
49DAG	LIGHT, INDIC, WARNING LIGHTS LED Type; Red and Amber
49JBV	LIGHT, LICENSE PLATE {Sound Off/OptiLuxx} LED, with Mounting Gasket
49APV	LIGHT, LIFT DOOR, INTERIOR Above Lift Door, with Door Operated Switch (Functionality May Be Included in Existing Dome Light)
49JBW	LIGHT, STEP {Sound Off/OptiLuxx} 4" Round LED, White, Wired to Clearance Lights, Operated by Entrance Door
49EYH	LIGHT, STROBE LED, Specialty Man. Co. 845-4020-100, Low Profile, Double Flash, 4.50" High
49ZNC	LIGHTS, BACK UP (2) {Sound Off/OptiLuxx} 4" Round, White, LED, with Flange
49JBS	LIGHTS, CLUSTER {Sound Off/OptiLuxx} Oval, 4 Internal LEDs per Light; Amber Front and Red Rear
49BYZ	LIGHTS, DIRECTIONAL, REAR (2) {Sound Off/OptiLuxx} LED, 7" Round Amber
49PTB	LIGHTS, DIRECTIONAL, SIDE {Sound Off/OptiLuxx} Rectangular LED Armor Type, Amber, 1 Each Side, Second Bow Section Aft of Entrance Door Between 2nd & 3rd Rub Rail
49APB	LIGHTS, DOME Rectangular Recessed Type, Stagger Mounted in Light Bar
	<b><u>Includes</u></b> : WIRING HARNESS Main Body Wiring Harness Accessed by Removing Dome Light
49BYV	LIGHTS, MARKER, FRONT & REAR (8) {Sound Off/OptiLuxx} LED, Rectangular, Armored, (4) Amber Front and (4) Red Rear
49EAW	LIGHTS, MARKER, SIDE, INTERMED {Sound Off/OptiLuxx} LED, Amber, Rectangular, Armored, Intermediate, Centered, Required for Units 30 Foot or Longer
49BYT	LIGHTS, STOP (2) {Sound Off/OptiLuxx} and Tail; 7" Round LED, Red
49ZNG	LIGHTS, STOP & TAIL ADDITIONAL (2) {Sound Off/OptiLuxx} 4" Round LED, Red, with Flange
49NGH	LIGHTS, WARNING (8) {Sound Off/OptiLuxx} (4) 7" Round Red Flashing LED and (4) 7" Round Amber Flashing LED, 2 Front, 2 Rear Each Color
49ANU	SOURCE, POWER 12 VDC, Mounted In Dash
49EKP	STOP ARM, FRONT Electric, Metal Blade, 18" Octagon, Double Sided, 1/2" White Border, Hi Intensity Grade, Flashing Red Incandescent Lights
49EKW	STOP ARM, LEFT REAR Electric, Metal Blade, 18" Octagon, Single Sided, 1/2" White Border, Hi Intensity Grade, Flashing Red Incandescent Lights
49AMD	SWITCH, DRIVER PANEL, TYPE Rocker
49SAA	SWITCH, INSTRUMENT PANEL LIGHTS; Rheostat
49ANH	SWITCH, MAGNETIC, DISCONNECT Master, Ignition Operated, All Body Circuits

**Vehicle Specifications**  
**2022 INTEGRATED CE S BUS (PB105)**

**February 02, 2021**

<b>Code</b>	<b>Description</b>
49EVL	SWITCH, NOISE SUPPRESSION Actuator Legend States, "NOISE SUPP ", for Separate Solenoid, with Red Switch in Panel
49AMY	SWITCH, REAR DOOR BUZZER for Emergency Door
49BXN	SWITCH, RED, OVERRIDE WARNING Wired Hot, with ESC, Mounted Left of Driver
49BLM	WIRING, TWO WAY RADIO Power and Ground Connection Only; Connection in Flasher Plate Area with 20 Amp Fuse Protection
49BLL	WIRING, VIDEO SYSTEM Power and Ground Connection Only; Connection in Flasher Plate Area with 20 Amp Fuse Protection
49BUS	WIRING, WARNING LIGHTS (8) for 7" Red Warning Lights, Alternately Flashing, 2 Front, 2 Rear, Red Warning Lights to Operate When Lift Door is Open and Master Flasher Switch is "ON"
49HES	MIRROR, BRACE, EXTERIOR Telescoping for Breakaway Bracket
49BVE	MIRROR, CROSS VIEW, EXTERIOR (2) {Mirror Lite High Definition Busboy} Black
49EGC	MIRROR, INSIDE 6" x 30", Clear Safety Glass, Metal Back, Round Corners
49EJC	MIRROR, REAR VIEW, EXTERIOR {Rosco} Black, Motorized Head, Heated, Breakaway Bracket, 7" x 6" Lower Section
49ENK	VISOR, INTERIOR, LEFT FRONT 6" x 30", Transparent, For Left Windshield
49GGW	FIRE BLANKET Deist, in Storage Container, 1st Bow Section From Rear
49GGE	FIRE EXTINGUISHER, DRIVER AREA 5 lb 2A-40BC Minimum with Flexible Hose and Metal Nozzle
49GAY	KIT, BODY FLUID Texas
49EBA	KIT, FIRST AID Plastic; 24 Unit, Spec State
49GLP	REFLECTORS, REAR (2) 3", Red, Mounted with Screws
49GLM	REFLECTORS, SIDE, FRONT (2) 3", Amber; 1 Aft Drivers Window Left, 1 Aft Entrance Door Right, Mounted with Screws
49GLA	REFLECTORS, SIDE, INTERMEDIATE (2) 3" Amber, 1 Each Side, Mounted with Screws, Below The Third Rub Rail From the Top
49GLG	REFLECTORS, SIDE, REAR (2) 3", Red, Mounted with Screws
49GEH	SAFETY TRIANGLES Warning Reflectors, Mounted on Drivers Barrier 9.5" Above Floor
49HAJ	STORAGE COMPARTMENT, BELTS (3) for Q-Straint Wheelchair Belts, Mounted to Wall
49GMM	INTERLOCK, LIFT for FMVSS Wheel Chair Interlock Requirements; Key Off, Lift Door Must be Open before Lift can be Activated, w/ Key in "On or Accessory" Position, Park Brake Must be Applied, Transmission in Neutral, Lift Door Must be Open Before Lift Can be Activated, w/ Automatic or Precision Transmissions
49NAB	LIFT, WHEELCHAIR {Braun Model NCL1000FIB3451 Gen 2} Power Pack Mounted Forward of Lift
49EPY	CUTTER, SEAT BELT (2) {TIE TECH Safecut} for Cutting Seat Belts
49EYC	CUTTER, SEAT BELT, LOCATION (2) Centered on Inside of Driver Compartment Lid
49JAC	DEF FILLER DOOR with Non-Locking Latch
49MZS	FUEL FILLER DOOR Non-Locking, Lever Latch, Spring Loaded to Hold in Open Position
49CKT	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
49GUM	INSPECTION PLATE Fuel Sending Unit 8" x 8" Steel



**Vehicle Specifications**  
**2022 INTEGRATED CE S BUS (PB105)**

February 02, 2021

<b>Code</b>	<b>Description</b>
49GVA	MUD FLAPS, FRONT WHEELS (2) Anti-Sail and Anti-Spray
49GUY	MUD FLAPS, REAR WHEELS (2) Anti-Spray, Anti-Sail
49GWW	WINDSHIELD WASHER Kit; 6 Quart Capacity, Bottle  <u>Includes</u> : WINDSHIELD WASHER ELECTRICAL CONNECTIONS Sealed and Locking Type
49GBV	WINDSHIELD WIPERS (2) Cowl Mounted  <u>Includes</u> : WINDSHIELD WIPERS CONTROL Single Motor, Overlapping Wipe Pattern
49UBZ	STATE OF OPERATION Texas

**Services Section:**

**WARRANTY**

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40126	WARRANTY Standard for CE, RE, BE School Bus Models, Effective with Vehicles Built March 1, 2017 or Later, CTS-3304H
40RAP	SERVICES, TOWING {Navistar} Service Call to 24-Month/Unlimited Mileage to the Nearest IC Bus Dealer for Navistar Warrantable Failure as Contract Defined; Includes Engine Failure if Supplier Declines Tow Coverage & ESC Supplied thru Navistar; \$1100 (USA) Maximum Benefit per Incident
40PKZ	SRV CONTRACT, EXT VEH COVERAGE {Navistar} To 24-Month/50,000 Miles (80,000 km), Covers 100% Parts and Labor; Includes Body; Excludes Extending Warranty for Engine, Transmission, Perforation or Corrosion of Cab/Cowl Structure and Paint

**BODY FEATURES**

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49GVN	WARRANTY 5-Year, Limited  16 - 3 POINT SEAT INCENTIVE  SET GOVERN SPEED @ 65 MPH  126K BTU AIR CONDITIONING, FRONT/REAR/DASH, PRO AIR  DEFROST KIT - PRO AIR  DOT INSPECTION - PRO AIR  PRE DELIVERY INSPECTION - PRO AIR  WEIGHT SLIP - PRO AIR  FIVE CAMERA SYSTEM, INSTALLED LHB  TWO WAY RADIO, INSTALLED LHB  ADDITIONAL SPA INVOICE CREDIT
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**Financial Summary**  
**2022 INTEGRATED CE S BUS (PB105)**

**February 02, 2021**

<u>Description</u>	<u>(US DOLLAR)</u>	<u>Price</u>
Net Sales Price:		\$213,598.00

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an IC Corporation vehicle.

PRICE PER VEHICLE: \$106,799.00

TWO (2) VEHICLES: \$213,598.00

BUY BOARD: \$800.00

PRICE DOES NOT INCLUDE BUY BOARD FEE \$800 PER PURCHASE ORDER, PLEASE ADD IF APPLICABLE. BUY BOARD CONTRACT #630-20

40PKZ WARRANTY: LONGHORN BUS WILL COVER THE WARRANTY FOR 24 MONTHS/UNLIMITED MILEAGE, \$0.00. (NAVISTAR WILL COVER FIRST 50K MILES. 50K PLUS MILES UP TO THE 24 MONTH PERIOD ENDING WILL BE COVERED BY LONGHORN BUS PER TEXAS STATE SPECS.)

BY SIGNING THIS DOCUMENT IN ACCEPTANCE OF AN ORDER, CUSTOMER ACKNOWLEDGES THAT ALL EQUIPMENT LISTED WITHIN THIS DOCUMENT IS CORRECT; LONGHORN BUS SALES WILL NOT BE RESPONSIBLE FOR ANY MISBUILT UNITS. ANY CHANGES TO WHAT IS LISTED HEREIN, MAY RESULT IN ADDITIONAL CHARGES TO THE ORDER. THANK YOU.

**Approved by Seller:**

**Accepted by Purchaser:**

\_\_\_\_\_  
Official Title and Date

\_\_\_\_\_  
Firm or Business Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Authorized Signature and Date

**This proposal is not binding upon the seller without  
Seller's Authorized Signature**

\_\_\_\_\_  
Official Title and Date

**The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.**

**The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.**



### OBTAINING SERVICE

Return this vehicle to any IC Bus Dealer authorized to service this model vehicle and engine.

### DISCLAIMER

NO WARRANTIES ARE GIVEN BEYOND THOSE DESCRIBED HEREIN. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THE COMPANY SPECIFICALLY DISCLAIMS WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OTHER REPRESENTATIONS TO THE USER/PURCHASER, AND ALL OTHER OBLIGATIONS OR LIABILITIES. THE COMPANY FURTHER EXCLUDES LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES, ON THE PART OF THE COMPANY OR SELLER. No person is authorized to give any other warranties or to assume any liabilities on the Company's behalf unless made or assumed in writing by the Company; and no other person is authorized to give any warranties or to assume any liabilities on the seller's behalf unless made or assumed in writing by the seller.

**Remedies Under State or Provincial Law:** Any suit for breach of this Limited Warranty must be initiated within one year after breach. Some States and Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to the owner. This warranty gives the owner specific legal rights, and he may also have other legal rights which may vary by state or province.

### RECORD OF OWNERSHIP

Upon receipt of new vehicle by original owner, complete the following:  
I have read this Warranty Brochure and fully understand the warranty coverage, and the limitations and exclusions. I acknowledge that I have received a copy of the Owner's Limited Warranty and I accept the terms described herein.

Customer Signature	_____	Date	_____
Owner's Address	_____	City	_____
Bus Model	_____	State/Prov	_____
Engine Number	_____	Postal Code	_____
Date Delivered to User (DTU)	_____	Vehicle Identification Number	_____
	_____	Engine Serial Number	_____
	_____	Odometer Reading at Delivery	_____

**IMPORTANT:** The information contained in this Warranty Policy explains the coverage provided on your new IC Bus™ brand vehicle. This policy should be kept in the vehicle for presentation to the Dealer when you request warranty services.

Any provisions of this Limited Warranty that are prohibited or not enforceable in any jurisdiction shall be, as to such jurisdiction, ineffective to the extent of such prohibition or non-enforceability without invalidating the remaining provisions hereof, and any such prohibition or non-enforceability in any jurisdiction shall not invalidate or render non-enforceable any such provisions in any other jurisdiction.

All claims under this Limited Warranty must be submitted in writing to an authorized IC Bus dealer within the warranty period as stated herein. If you have questions regarding this Limited Warranty, contact IC Bus, LLC dealer. To locate nearest dealer, visit the IC Bus website [www.ICBus.com](http://www.ICBus.com).

## EFFECTIVE WITH VEHICLES BUILT MARCH 01, 2017 OR LATER LIMITED WARRANTY FOR SCHOOL BUS MODELS

### CE Series (PB105), RE Series (PB305), BE Series (PB405)

IC Bus, LLC warrants to the original purchaser (the "Purchaser") that IC Bus, LLC brand buses and component parts thereof are, at the time of purchase, free from defects in material and workmanship and will remain free from such defects under normal use after delivery to the Purchaser as provided herein. Warranty shall begin at the time of delivery unless otherwise approved by IC Bus, LLC. The delivery limitations as set forth herein shall run from the date of delivery to the Purchaser in the United States of America and Canada. The remedy available under this Limited Warranty is non-cumulative in nature and is limited to repair or replacement at IC Bus, LLC option of the bus or component parts thereof that are returned to locations approved by IC Bus, LLC transportation charges prepaid, and which IC Bus, LLC examination disclosed to its satisfaction to be defective. IC Bus, LLC, at its option, will repair or replace any part of this vehicle which proves defective in material and/or workmanship in normal use and service, with new or ReNEWed parts. Exceptions are listed below under *What Is Not Covered*.

*This warranty is automatically transferred to subsequent owners at no charge. Visit your local IC Bus Dealer for name and address change information.*

### COMPONENT COVERAGE

The components described below are given additional warranty coverage of variable time periods and distance traveled limitations, as shown in the *Warranty Coverage Schedule*.

1. Frame Rails and Crossmembers
2. Body/Cowl Structure
  - Body Structure defined as the steel body frame (which includes the roof, metal floor, sides and front and rear sections only).
  - As to items not considered Body Structure include but are not limited to the following:
    - doors, corner moldings, inner ABS panels, interior wall, plywood, floor covering, windows, and trim moldings.
3. The Body/Cowl is warranted against perforation due to corrosion, except for perforation caused by industrial chemicals and/or corrosion caused by use in a corrosive industrial environment.
4. Navistar Diesel Engine Coverage Includes: Navistar Diesel Engine block, cylinder heads, internally lubricated components fuel pump, high pressure pump, turbocharger, water pump, air compressor, injectors/nozzles, electronic engine modules, engine relays, engine sensors and regulators required for electronic engine operation, and certain aftertreatment components. Excluding: attaching accessories (e.g., fan clutch, alternator, starter, etc.), and externally mounted electrical and filtration systems.
5. Power Solutions International 8.8L Propane Engine Coverage Includes: Engine block, cylinder heads, internally lubricated components, water pump, air compressor, injectors/nozzles, fuel system components; electronic engine modules, engine relays, engine sensors and regulators required for electronic engine operation, exhaust catalyst. Excluding: attaching accessories (e.g., fan clutch, alternator, starter, etc.)
6. Spicer front & rear axles and propeller shaft, when used with Allison transmission; excluding brakes, wheel ends axle shafts, controls & attachments.

THE PROVISIONS HEREOF CONSTITUTE THE EXCLUSIVE AND COMPLETE WARRANTY BY IC BUS, LLC ON IC BUS™ BRAND BUSES AND COMPONENT PARTS THEREOF MANUFACTURED BY IT, OR APPROVED BUS BODY CONTRACT MANUFACTURERS AND IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES OF IC BUS, LLC WHETHER EXPRESS OR IMPLIED.

**Note:** The customer has 365 days and up to a maximum of 100,000 miles (160,000 km) from DTU (delivery to end user) to purchase an extended warranty on the unit. For extended warranty purchases between 181 and 365 days from DTU and <100,000 miles (160,000 km) an additional fee will be assessed. See your local IC Bus dealer for details.



Items Covered		Months	Miles/Km (000)	WHAT IS NOT COVERED AFTER THE FIRST 90 DAYS FROM DELIVERY TO USER (DTU):
BASIC VEHICLE COVERAGE				
Basic Vehicle Warranty		12	Unlimited	<ul style="list-style-type: none"> <li>Correction of loose fasteners, squeaks, rattles and unusual noises.</li> <li>Towing (vehicles with non-engine failures only)</li> <li>Adjustments (e.g., headlights, brake/clutch adjustments, steering system adjustments, coolant levels, doors).</li> </ul>
Towing (Chassis related issues)		3	Unlimited	
Towing (Vehicles with Navistar built engine failures only)		24	Unlimited	
Towing (Vehicles with Power Solutions International, Inc. 8.8L Propane engine failures only)		60	Unlimited	<b>COMPONENTS / ITEMS:</b> <ul style="list-style-type: none"> <li>Warranted by their respective manufacturers (e.g., non Navistar brand engines, tires &amp; tubes, Allison Transmissions, Hybrid electric, lubricants, etc.)</li> <li>Bodies, equipment and accessories installed by other than authorized IC Bus employees at IC Bus manufacturing plants.</li> <li>Front and rear axle alignment.</li> <li>Front &amp; Rear axle coverage excludes brakes, wheel ends, axle shafts, controls &amp; attachments.</li> </ul>
Towing (Vehicles with Power Solutions International, Inc. 8.8L Gasoline engine failures only)		60	Unlimited	
COMPONENTS				<b>REPAIRS:</b> <ul style="list-style-type: none"> <li>Maintenance-related items/repairs or those as a result of normal wear and tear, including tune-ups, brake/clutch lining, windshield wiper blades, tire balancing, lubrication and other similar procedures/parts required to keep vehicle in good working condition.</li> <li>To any part of the vehicle subjected to misuse, negligence, improper maintenance, improper operation, or which is the result of an accident.</li> <li>Fade, runs, mismatch or damage to paint, trim items, upholstery, chrome, polished surfaces, etc., resulting from environmental causes, improper polishes, cleaners or washing solutions, or chemical and industrial fallout.</li> <li>In which power train, propeller shaft and suspension sales guidelines (specifications) are not strictly adhered to by all owners and operators of this vehicle.</li> </ul>
Frame Rails and Crossmembers		60	Unlimited	
Body/Cowl Structure (Roof, Metal Floor, Sides and Front and Rear Sections)		60	Unlimited	<b>OTHER:</b> <ul style="list-style-type: none"> <li>Vehicles sold and/or operated outside the United States and Canada.</li> <li>Vehicles/components that have had unauthorized alterations or modifications.</li> <li>Vehicles on which the odometer reading has been altered.</li> <li>Loss of time or use of the vehicle, loss of profits, inconvenience, or other consequential or incidental damages or expenses.</li> <li>Replacement of defective parts with parts other than those provided by IC Bus, LLC.</li> </ul>
Body/Cowl Perforation Corrosion		60	Unlimited	
Bumper Corrosion and Paint Delamination		36	Unlimited	<b>This warranty does not apply, or include coverage for defects attributable to the following:</b> <ul style="list-style-type: none"> <li>(a) Damage resulting from: (i) misuse, abuse, accident, neglect, negligence, vandalism, fire, riot, war, or Acts of God;</li> <li>(b) (ii) Structural or other modifications or alteration without prior express written authorization by IC Bus, LLC; (iii) Repair or attempted repair by unauthorized persons; (iv) Replacement of original components with substitutes without prior express written authorization by IC Bus, LLC; (v) Failure to perform routine preventative maintenance as customarily accepted within the industry or failure to provide proof of such preventative maintenance having been performed; (vi) Exposure to corrosives, contaminants, chemicals, salt, irradiation or atmospheric or environmental conditions; (vii) Usage or loading in excess of recommended capacities or in non-standard applications, including off-road.</li> <li>(c) Fading or discoloration of paint, lettering or decals.</li> <li>(d) Effects of aftermarket installation and aftermarket parts installed by the dealer or customer.</li> </ul>
Body/Cowl/Hood Paint Delamination		60	Unlimited	
Brightwork, Chassis Paint and Corrosion		6	Unlimited	<b>COMPONENTS / ITEMS:</b> <ul style="list-style-type: none"> <li>Warranted by their respective manufacturers (e.g., non Navistar brand engines, tires &amp; tubes, Allison Transmissions, Hybrid electric, lubricants, etc.)</li> <li>Bodies, equipment and accessories installed by other than authorized IC Bus employees at IC Bus manufacturing plants.</li> <li>Front and rear axle alignment.</li> <li>Front &amp; Rear axle coverage excludes brakes, wheel ends, axle shafts, controls &amp; attachments.</li> </ul>
IC Bus, LLC Factory Installed Air-Conditioning (IC Air)		30	Unlimited	
SEATS***IC Bus manufactured Seats Only				<b>REPAIRS:</b> <ul style="list-style-type: none"> <li>Maintenance-related items/repairs or those as a result of normal wear and tear, including tune-ups, brake/clutch lining, windshield wiper blades, tire balancing, lubrication and other similar procedures/parts required to keep vehicle in good working condition.</li> <li>To any part of the vehicle subjected to misuse, negligence, improper maintenance, improper operation, or which is the result of an accident.</li> <li>Fade, runs, mismatch or damage to paint, trim items, upholstery, chrome, polished surfaces, etc., resulting from environmental causes, improper polishes, cleaners or washing solutions, or chemical and industrial fallout.</li> <li>In which power train, propeller shaft and suspension sales guidelines (specifications) are not strictly adhered to by all owners and operators of this vehicle.</li> </ul>
Foam		48	50/80	
Upholstery		24	24/40	<b>OTHER:</b> <ul style="list-style-type: none"> <li>Vehicles sold and/or operated outside the United States and Canada.</li> <li>Vehicles/components that have had unauthorized alterations or modifications.</li> <li>Vehicles on which the odometer reading has been altered.</li> <li>Loss of time or use of the vehicle, loss of profits, inconvenience, or other consequential or incidental damages or expenses.</li> <li>Replacement of defective parts with parts other than those provided by IC Bus, LLC.</li> </ul>
Frame and Barriers		60	Unlimited	
ENGINE*				<b>This warranty does not apply, or include coverage for defects attributable to the following:</b> <ul style="list-style-type: none"> <li>(a) Damage resulting from: (i) misuse, abuse, accident, neglect, negligence, vandalism, fire, riot, war, or Acts of God;</li> <li>(b) (ii) Structural or other modifications or alteration without prior express written authorization by IC Bus, LLC; (iii) Repair or attempted repair by unauthorized persons; (iv) Replacement of original components with substitutes without prior express written authorization by IC Bus, LLC; (v) Failure to perform routine preventative maintenance as customarily accepted within the industry or failure to provide proof of such preventative maintenance having been performed; (vi) Exposure to corrosives, contaminants, chemicals, salt, irradiation or atmospheric or environmental conditions; (vii) Usage or loading in excess of recommended capacities or in non-standard applications, including off-road.</li> <li>(c) Fading or discoloration of paint, lettering or decals.</li> <li>(d) Effects of aftermarket installation and aftermarket parts installed by the dealer or customer.</li> </ul>
Power Solutions International, Inc. 8.8L Propane Engine		60	Unlimited	
Power Solutions International, Inc. 8.8L Gasoline Engine		60	Unlimited	<b>COMPONENTS / ITEMS:</b> <ul style="list-style-type: none"> <li>Warranted by their respective manufacturers (e.g., non Navistar brand engines, tires &amp; tubes, Allison Transmissions, Hybrid electric, lubricants, etc.)</li> <li>Bodies, equipment and accessories installed by other than authorized IC Bus employees at IC Bus manufacturing plants.</li> <li>Front and rear axle alignment.</li> <li>Front &amp; Rear axle coverage excludes brakes, wheel ends, axle shafts, controls &amp; attachments.</li> </ul>
DRIVETRAIN**				
Eaton Precision Transmission		12	Unlimited	<b>REPAIRS:</b> <ul style="list-style-type: none"> <li>Maintenance-related items/repairs or those as a result of normal wear and tear, including tune-ups, brake/clutch lining, windshield wiper blades, tire balancing, lubrication and other similar procedures/parts required to keep vehicle in good working condition.</li> <li>To any part of the vehicle subjected to misuse, negligence, improper maintenance, improper operation, or which is the result of an accident.</li> <li>Fade, runs, mismatch or damage to paint, trim items, upholstery, chrome, polished surfaces, etc., resulting from environmental causes, improper polishes, cleaners or washing solutions, or chemical and industrial fallout.</li> <li>In which power train, propeller shaft and suspension sales guidelines (specifications) are not strictly adhered to by all owners and operators of this vehicle.</li> </ul>
Spicer - 3 Part Dana Drivetrain (Front & Rear Axles, Propeller Shaft, When Used With Allison Transmission Only)		48	50/80	
Meritor Axles		48	75/120	<b>OTHER:</b> <ul style="list-style-type: none"> <li>Vehicles sold and/or operated outside the United States and Canada.</li> <li>Vehicles/components that have had unauthorized alterations or modifications.</li> <li>Vehicles on which the odometer reading has been altered.</li> <li>Loss of time or use of the vehicle, loss of profits, inconvenience, or other consequential or incidental damages or expenses.</li> <li>Replacement of defective parts with parts other than those provided by IC Bus, LLC.</li> </ul>
Emission Coverage				
Refer to engine operator's manual for emission coverage.				<b>COMPONENTS / ITEMS:</b> <ul style="list-style-type: none"> <li>Warranted by their respective manufacturers (e.g., non Navistar brand engines, tires &amp; tubes, Allison Transmissions, Hybrid electric, lubricants, etc.)</li> <li>Bodies, equipment and accessories installed by other than authorized IC Bus employees at IC Bus manufacturing plants.</li> <li>Front and rear axle alignment.</li> <li>Front &amp; Rear axle coverage excludes brakes, wheel ends, axle shafts, controls &amp; attachments.</li> </ul>
DriveTrain				
Allison Transmissions products or Transynd lubricants and fluids are not covered under this warranty. For warranty information see: <a href="http://www.allisontransmission.com/publications/">www.allisontransmission.com/publications/</a>				<b>COMPONENTS / ITEMS:</b> <ul style="list-style-type: none"> <li>Warranted by their respective manufacturers (e.g., non Navistar brand engines, tires &amp; tubes, Allison Transmissions, Hybrid electric, lubricants, etc.)</li> <li>Bodies, equipment and accessories installed by other than authorized IC Bus employees at IC Bus manufacturing plants.</li> <li>Front and rear axle alignment.</li> <li>Front &amp; Rear axle coverage excludes brakes, wheel ends, axle shafts, controls &amp; attachments.</li> </ul>
For specific Eaton/Fuller Warranty coverage, see supplier information: <a href="http://www.roadrangerwarranty.com">www.roadrangerwarranty.com</a>				
For extended component warranty: <a href="http://www.roadranger.com/Roadranger/warranty/ExtendedWarrantyIndex.htm">www.roadranger.com/Roadranger/warranty/ExtendedWarrantyIndex.htm</a>				<b>COMPONENTS / ITEMS:</b> <ul style="list-style-type: none"> <li>Warranted by their respective manufacturers (e.g., non Navistar brand engines, tires &amp; tubes, Allison Transmissions, Hybrid electric, lubricants, etc.)</li> <li>Bodies, equipment and accessories installed by other than authorized IC Bus employees at IC Bus manufacturing plants.</li> <li>Front and rear axle alignment.</li> <li>Front &amp; Rear axle coverage excludes brakes, wheel ends, axle shafts, controls &amp; attachments.</li> </ul>
***For non IC Bus Manufactured seats, contact the seat supplier for their warranty coverage. For Enova charge sustaining and charge depleting standard warranty to: <a href="http://enovasytems.com/customer-support.html">http://enovasytems.com/customer-support.html</a>				

\*1/24/2019 removed MaxxFoam Engines from coverage as Buses built post March, 1, 2017 no longer offered this engine.



Revised 4/1/2019

**Telematics Data Disclosure**

***Your Navistar vehicle may include an activated telematics subscription service. By accepting this Limited Warranty you consent to our collection and use of data from your vehicle as set forth at [www.oncommandconnection.com](http://www.oncommandconnection.com) on behalf of yourself and any vehicle operators and passengers. Navistar, Inc. or its affiliates will collect and send diagnostic and system data from your vehicle and use it for various purposes as further set forth in our Privacy Policy, posted at [www.oncommandconnection.com](http://www.oncommandconnection.com), such as improving the uptime for your vehicle, improving our vehicles in the future, and reducing warranty events. If you choose not to allow Navistar to access your data, you may suspend your subscription at [www.InternationalTrucks.com/Opt-Out](http://www.InternationalTrucks.com/Opt-Out)***