

January 17, 2018

**Prepared For:**  
BEAVER LOCAL SCHOOLS  
Stacy Williams  
13093 State Route 7  
Lisbon, OH 44432-  
(330)385 - 6831  
Reference ID: 72Pass 100 ISB

**Presented By:**  
TRUCK SALES & SERVICE, INC.  
Jim Sokowoski  
3429 BRIGHTWOOD ROAD  
MIDVALE OH 44653 -  
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**Model Profile**  
**2019 INTEGRATED CE S BUS (PB105)**

**APPLICATION:** School Transportation  
**MISSION:** Requested GVWR: 29800. Calc. GVWR: 29800  
Calc. Start / Grade Ability: 23.63% / 1.94% @ 55 MPH  
Calc. Geared Speed: 77.1 MPH

**DIMENSION:** Wheelbase: 276.00, CA: N/A, Axle to Frame: 148.00  
**ENGINE, DIESEL:** {Cummins B6.7 240} EPA 2017, 240HP @ 2400 RPM, 560 lb-ft Torque @ 1600 RPM, 2600 RPM  
Governed Speed, 240 Peak HP (Max), School Bus Only  
**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  
Omit Item (Clutch & Control)

**CLUTCH:** {Navistar Select} I-Beam Type, 10,000-lb Capacity  
**AXLE, FRONT NON-DRIVING:** {Dana Spicer 19060S} Single Reduction, 19,800-lb Capacity, 190 Wheel Ends Gear Ratio: 5.57  
**AXLE, REAR, SINGLE:** (2) 11R22.5 Load Range G HSR2 (CONTINENTAL), 498 rev/mile, 75 MPH, All-Position  
**TIRE, FRONT:** (4) 11R22.5 Load Range G HDR2 (CONTINENTAL), 491 rev/mile, 75 MPH, Drive  
**TIRE, REAR:** {International} Ride Optimized Suspension (IROS); 21,000-lb Capacity, 9.25" Ride Height, with  
**SUSPENSION, REAR, AIR, SINGLE:** Shock Absorbers  
**PAINT:** Cab schematic 272NB  
Location 1: 4421, School Bus Yellow (Std)  
Location 2: 4422, School Bus Yellow Non Reflective (Nrf)  
Chassis schematic N/A

Vehicle Specifications  
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<u>Code</u>	<u>Description</u>
PB10500	Base Chassis, Model INTEGRATED CE S BUS with 276.00 Wheelbase, N/A CA, and 148.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
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
1LLE	BUMPER, FRONT Full Width, Aerodynamic, Heavy Duty, Steel  <u>Includes</u> : BUMPER, FRONT THICKNESS 1/4 Inch
1LNW	CROSSING GATE, FRONT Air, Yellow Blade, Bumper Mounted  <u>Includes</u> : CONTROL ASSEMBLY Located Rear of Front Bumper, Heater not Required : CONTROL ASSEMBLY Solid State, Located Rear of Front Bumper, Heater not Required : CROSSING GATE, FRONT Matches Contour of Bumper
1SAM	CROSSMEMBER, REAR, AF (2)
1WJE	WHEELBASE RANGE 276" (700cm) Only
2AUT	AXLE, FRONT NON-DRIVING (Navistar Select) I-Beam Type, 10,000-lb Capacity
3ADB	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 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.
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 : SLACK ADJUSTERS, FRONT Automatic (with Air Cam Brakes) : SLACK ADJUSTERS, REAR Automatic (with Air Cam Brakes) : 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
4AZA	AIR BRAKE ABS (Bendix AntiLock Brake System) Full Vehicle Wheel Control System (4-Channel)
4EBS	AIR DRYER (Bendix AD-9) with Heater

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4EXP	BRAKE CHAMBERS, FRONT AXLE (Bendix) 20 SqIn
4EXU	BRAKE CHAMBERS, REAR AXLE (Bendix EverSure) 30/30 Spring Brake
4JCG	BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers
	<b>Notes</b> : Front Axle with 14,000-lb GAWR is Limited to 13,200-lb GAWR when used in Conjunction with 15" BRAKES, FRONT, AIR CAM.
4NDB	BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
	<b>Notes</b> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
4SPA	AIR COMPRESSOR (Cummins) 18.7 CFM Capacity
4WBX	DUST SHIELDS, FRONT BRAKE for Air Brakes
4WDM	DUST SHIELDS, REAR BRAKE for Air Brakes
4WZT	GVWR LIMITATION FOR BUS with Air Brakes, Limited to 33,000-lbs Maximum to meet FMVSS 105 Requirements, for Conventional Bus
5708	STEERING COLUMN Tilting
5CAL	STEERING WHEEL 2-Spoke, 18" Dia., Black
5PRR	STEERING GEAR (TRW (Ross) TAS66) Power
7BLA	EXHAUST SYSTEM Single, Horizontal Aftertreatment Device, Frame Mounted Under Right Rail, for Long Horizontal Tail Pipe
	<b>Includes</b> : NOTE: The Horizontal Tailpipe Includes a Temperature Control Device
7SCP	ENGINE EXHAUST BRAKE for Cummins ISB/B6.7/ISL/L9 Engine with Variable Vane Turbo Charger
7WBL	TAIL PIPE Long Horizontal, Exits Left Side Through Bumper
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<b>Includes</b> : FUSES, ELECTRICAL SAE Blade-Type : HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : 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 : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : STARTER SWITCH Electric, Key Operated : TURN SIGNAL FLASHER : TURN SIGNAL SWITCH Self-Cancelling with Lane Change Feature : TURN SIGNALS, FRONT Includes Reflectors; Flush Mounted : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever : WIRING, CHASSIS Color Coded and Continuously Numbered
8GGR	ALTERNATOR (Bosch LH200) Brush Type, 12 Volt 200 Amp. Capacity, Pad Mount
8MKL	BATTERY SYSTEM (International) Maintenance-Free, (3) 12-Volt 1950CCA Total
8TTK	BATTERY BOX Steel, with Sliding Tray, 25.25" Wide, for Standard Batteries, Mounted Left Side Behind Front Axle Perpendicular to Frame Rail

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8VAZ	HORN, ELECTRIC (2) Trumpet Style, Mounted on Top of Mega-Bracket
8WPB	HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8WXB	HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
9WAB	HOOD TILT ASSIST {EASY TILT} Mechanical
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
10020	CHASSIS PAINT Full Chassis
10072	PAINT SCHEMATIC, PT-1 Two Tone, Design 272.
10661	PAINT, NON-REFLECTING Non-Reflecting Paint
10788	PAINT TYPE Urethane, One or Two Colors, Other than Imron or International.
10AAY	OVER THE AIR PROGRAMMING {Navistar} for Cummins Engines
10XAK	PROMOTIONAL PACKAGE 7 Year Unlimited Miles/km Warranty, Limited Time Program for Allison 2000 Series Transmission on School and Commercial Buses (Supplied directly through Allison)
11001	CLUTCH Omit Item (Clutch & Control)
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12EJP	ENGINE, DIESEL {Cummins B6.7 240} EPA 2017, 240HP @ 2400 RPM, 560 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 240 Peak HP (Max), School Bus Only
	<u>Includes</u> : FUEL FILTER Included with Cummins B6.7 Engines Engine Mounted : FUEL/WATER SEPARATOR Fuel/Water Separator; Heated; with Water-in-Fuel Sensor. Engine Mounted
12TSY	FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On
	<u>Includes</u> : FAN Nylon
12UGN	THROTTLE, HAND CONTROL Electronic
	<u>Notes</u> : Cruise Control Switches Mounted on Steering Wheel are Non-Illuminated.
12UYE	RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, with 313 SqIn Charge Air Cooler. with In-Tank Transmission 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
12VBR	AIR CLEANER with Service Protection Element
	<u>Includes</u> : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

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12VVN	CRUISE CONTROL Electronic  <u>Notes</u> : Cruise Control Switches Mounted on Steering Wheel are Non-Illuminated.
12VWH	GOVERNOR Electronic Road Speed Type; for Electronic Engines and Bus Models; with 55 MPH Default
12WAK	ENGINE SOUND ABATEMENT PACKAGE Exterior, for International Engines with Underhood Blanket and Foam Covered Splash Shields
12WSY	BLOCK HEATER, ENGINE {Phillips} 120 Volt/750 Watt, for Cummins ISB/B6.7 Engines
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations
12XZE	FEDERAL EMISSIONS {Cummins B6.7} EPA, OBD and GHG Certified for Calendar Year 2017
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
13WLN	TRANSMISSION OIL Synthetic; 20 thru 28 Pints
13WYY	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming
14AGM	AXLE, REAR, SINGLE {Dana Spicer 19080S} Single Reduction, 19,800-lb Capacity, 190 Wheel Ends . Gear Ratio: 5.57  <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} Ride Optimized Suspension (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.
15SHU	FUEL TANK Top Draw, Steel, Rectangular, 100 US Gal (379L), Includes Protective Cage, with Fuel Filler Assembly and Vent Hosing, Mounted Between Frame Rails and Behind Rear Axle  <u>Notes</u> : Requires 254" WB Minimum
15WDT	DEF TANK 12 U.S. Gal. 45.4L Capacity, Frame Mounted Outside Right Rail, Behind O Bow
16010	COWL Flat Back
16HBA	GAUGE CLUSTER English with English Electronic Speedometer  <u>Includes</u> : 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)
16HGH	GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission

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16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16HLJ	GAUGE, DEF FLUID LEVEL
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
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
29580	WHEEL SEALS, FRONT {International} Oil-Lubricated Wheel Bearings
47AGJ	BODY, BUS Conventional; 78" Headroom, 33'5" Body Length, +9 Section Front and Rear, 72 Passenger, 276 WB
47AJC	BODY TAG, METAL Capacity to Include the Total Number of Passengers
47AJR	BODY VIN TAG On Windshield Ledge, Visible From Outside
47APR	HEADLINER, BODY Conventional; 25'11"-34'11" Body Length, Perforated Full Length with Sound Insulation Full Length
47APX	FASTENERS, HEADLINER Screws
47ARH	BOWS, ROOF 14 ga., One Piece Construction
	<b><u>Includes</u></b> : BOWS, ROOF Positioned Floor Line to Floor Line, Threaded Through Roof Strainers and Drip Rail
47ARP	LIGHT BARS Plastic
47ASG	SKIRT, BODY for Conventional, 14 1/2", 16ga
	<b><u>Includes</u></b> : SKIRT, BODY Extra Smooth Steel Supported by Floor Gussets
47AUR	TIE DOWNS, BODY Grade 8 Bolts, Every Body Section
	<b><u>Includes</u></b> : TIE DOWNS, BODY with Formed Tab that Fits into Floor Structure to Prevent Turning
47AXT	RUB RAILS, BODY (4) Conventional; Steel, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Length, Includes Snow Rail
	<b><u>Includes</u></b> : RUB RAILS Full Length, Primer Coated (Both Sides), Attached to Body without Cuts or Splices
47AYB	BODY, REAR Includes Emergency Door
	<b><u>Includes</u></b> : DOOR, REAR EMERGENCY with Concealed Hinges : HEADER BUMPER Padded, Mounted Over Rear Door; Upholstered to Match Passenger Seat Color
47AZE	SIDE SHEET, BODY, EXTERIOR Conventional, 16ga., Smooth, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Length
47AZL	FLOOR, BODY with Wheel Wells
47BAR	SUPPORTS, REAR BUMPER Bolted to Frame
47BAU	BUMPER, REAR Painted; 12" High, 3/16" Thick, with 7" Hole for Exhaust
47BAW	TOW HOOK, LEFT REAR (01)
47BAX	TOW HOOK, RIGHT REAR (01)
47BBH	LINING, SIDE INTERIOR, LOWER Embossed Steel, Clear Coated

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47BBZ	SEALER Extra; Sidewall to Floor, In Wheel Pocket Area, and Rear Wall to Floor
47BKK	LETTERS, SCHOOL BUS FRONT/REAR Decal; "SCHOOL BUS"; with 8" Black Reflective Letters, 3M Fluorescent Diamond Grade, Yellow On Front and Rear Cap
47BLE	STEP, FRONT ENTRANCE DOOR 25 3/4" Depth; 14ga Steel, Formed Treads, Proflex Finish
47DAE	FASTENERS, REAR DOOR Lag Screws, Rear Door To Body
47DAJ	COVER, REAR DOOR INSIDE HANDLE Partial Coverage
47DBP	DOOR, ENTRANCE, FRONT Air, Outward Opening, with Split Pane Glass
	<u>Includes</u> : DOOR, ENTRANCE, FRONT Aluminum Frame with Pin Style Hinges, Ball Bearing Assisted, Interchangeable Top and Bottom Glass Vandal Lock
47DDE	HANDLE, ASSIST, ENTRANCE DOOR Outside Entrance
47DDH	HOLD BACK, REAR DOOR Stationary, No Cables, with Plastic Cover
47DDU	LATCH, REAR DOOR One Point Slide Bar, Cam Operated, with One Inch Stroke
47DEY	HANDLE, EXTERIOR, REAR Emergency Door; Yellow
47DNN	SWITCH, LOCATION Left of Driver; Includes Master Flasher, Amber Flasher, and 2 Position Door Control
47DZA	DUMP VALVE, AIR DOOR Interior, Above & Forward of Entrance Door, with Decals
47EBM	HOLD DOWN, BATTERY For (2) Standard Size Batteries
47KDC	MONITOR, POST TRIP INSPECTION {Leave No Student Behind} Accessory Controlled, with Push Button Alarm Disable at Rear of Bus Prompts Driver to Walk to Back of Bus and Push Button in Light Bar to Deactivate System
47LAB	NOISE REDUCTION, DRIVER FLOOR Insulation Covering Complete Driver Floor Area
47LAT	NOISE REDUCTION, ROOF BOW Conventional; Insulation, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Lengths
47LAU	INSULATION, ROOF AND SIDES 1.50", All Models
47MAC	UNDERCOAT, FLOOR/STEPWLL/SIDES for Engine Noise Reduction
47MBA	UNDERCOAT, BODY Fire Resistant, Water Based, TT-C-730 Spec
	<u>Includes</u> : UNDERCOATING Performed Before and After Mounting on Chassis
47MJR	LETTERS, DOOR, REAR Decals; "EMERGENCY DOOR", 2" Black Letters Inside and Outside
47MNL	LETTERS, SIGN, REAR Decal, "STOP", 10" Black Letters
47MNT	ARROW, RR DOOR, INSIDE Decal; Red, .75" Stroke, Indicating Handle Direction
47MRN	STRIPING, E/E WINDOW, LEFT (02) Perimeter, Reflexite V82
47MRU	LETTERS, E/E WINDOW, LEFT (2) Decal Sets, "EMERGENCY EXIT", Black Inside and Outside
47MSA	STRIPING, PERIMETER, REAR Emergency Door; Reflective, Yellow
47MSE	STRIPING, REAR END Reflexite 2"
47MSJ	STRIPING, ROOF HATCH, FRONT Yellow Decal, Perimeter, Reflexite
47MSK	STRIPING, ROOF HATCH, REAR Yellow Decal, Perimeter, Reflexite
47MSS	STRIPING, SEATLINE 2" Reflexite V82, Yellow

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<u>Code</u>	<u>Description</u>
47MTY	WIRING DIAGRAM Schematic, Electrical
	<u>Includes</u> : ACCESS PANEL for Wiring Diagram Schematic Located on Body Exterior; Below Driver Window
47MUP	STRIPING, E/E WINDOW, RIGHT (02) Perimeter, Reflexite V82
47MVA	LETTERS, HEADER Decal; "WATCH YOUR STEP", 1" Black, Above Windshield
47MVC	LETTERS, STEPWELL Decal, "WATCH YOUR STEP", 2.5" Black, Behind Door on Step Riser
47NAB	PAINT COLOR, RUB RAILS 0001 Canyon Black
47NGM	LETTERS, FUEL I.D. Paint; "DIESEL FUEL", 2" Black, on Fuel Filler Door
47NGT	PAINT HOOD TOP 4422 Yellow, Non-Reflecting
47NGW	SEAL, RUB RAILS Top Edge, All Rails
47NHL	LETTERS, E/E WINDOW, RIGHT (2) Decal Sets, "EMERGENCY EXIT", Black, Inside and Outside
47NJA	PAINT COLOR, BODY EXTERIOR 4421 Yellow, SBNS
47NJM	PAINT FLASHER BACKGRD 0001 Canyon Black
47NJS	PAINT COLOR, BUMPER Rear; 0001 Canyon Black
47NKL	PAINT, RUB RAIL Flange to Flange
47NKM	PAINT COLOR, BODY INTERIOR 9384 Spring White
47NMG	OPERATING INSTR, REAR Decal, Inside Rear Emergency Door
47NTH	LOGO, ROOF LINE Decal; Wing and Shield, Above First Passenger Window Both Sides
47NTR	DECAL SPECIAL SAFETY EQUIPMENT Mounted on Equipment Door
47NUR	REFLECTORS, PATCH (3) 7" x 14" Reflexite White and Silver Patches, (1) on Front Bumper Center, Mounted on 8"x15" Plate, (2) on Body Rear Below Standard Light Group
47PAR	BODY CERTIFICATION TAG Mylar Label, with Actual Tire Load Rating
47PBZ	HANDLE, ASSIST Windshield Side Mounted, Left and Right, Body Color
47PLX	LETTERS, DEF, I.D. Decal; "DEF ONLY", 1" Black, on DEF Filler Door
47SBS	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", Body Length
48ANE	WINDOW, ENTRANCE DOOR, TOP Laminated, Clear
48ANM	WINDOW, ENTRANCE DOOR, BOTTOM Laminated, Clear
48ANT	WINDOW, DRIVER Laminated, Clear
48APL	WINDOW, STOPS 12" Opening, Only with 78" Headroom
48ARP	WINDOW, SASH (16) 27" Sections, 9"x 23" Opening
48AST	WINDOW, SASH +9 SECTIONS (4) 9" x 32 1/4" Opening
48BAH	WINDOW, E/E, LEFT (2) Vertical Hinge
48BJA	COLOR, WINDOW FRAME, PASS Passenger Window, Natural Aluminum Finish
48BKP	WINDOW, E/E, RIGHT (2) Vertical Hinge
48CCJ	WINDOW, PASSENGER, TINT Clear, Tempered Glass



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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
48NAT	FITTINGS, AIR SEAT for Driver Seat
48PAM	WINDSHIELD 3 Flat Pieces, 73% Light, with Band
48PAV	WHEEL POCKET COVER Plastic, ABS
48PAY	AISLE POSITION Center, for balanced seating
48PBB	FLOOR COVERING, COLOR Black
48PHP	UPHOLSTERY, PASS SEATS, TYPE Prevail, 42 oz.; for (23-24) Seats
48PKC	HOSE CLAMPS, HEATER HOSE Constant Torque for Heater System
48PKN	FAN, DEFOG FAR RIGHT (01) Black, Mounted Right Above Windshield, Forward Entrance Door, 2-Speed Switch in Panel
48PKR	FAN, DEFOG LEFT CENTER 6.50" Diameter, Black, Mounted Left of Center Post, 2-Speed Switch in Panel
48PMJ	HEATER, PASS, LT REAR 84,500 BTU  <u>Includes</u> : AIR FILTER
48PMS	HEATER, STEPWELL 50,000 BTU  <u>Includes</u> : AIR FILTER
48PPM	HEATER CUT OFF, VALVE Ball, with Butterfly Handle
48PPS	ROOF VENT, FRONT Static
48PUP	FLOOR COVERING, TRIM Omit
48PUT	NUTS, BELT MOUNTING Standard Nuts For Seat Belt Mounting
48PVA	UPHOLSTERY, DRIVER SEAT, STYLE Plain, with Cloth Insert
48PVK	UPHOLSTERY, DRIVER SEAT, COLOR Drivers Seat, Brown
48PWA	UPHOLSTERY, PASS SEATS, COLOR Brown, for Seats, Barriers and Head Bumpers
48PWR	UPHOLSTERY, DRIVER SEAT, TYPE Prevail, 42 oz.
48PXP	UPHOLSTERY, BARRIER, TYPE (1-2) Prevail, 42 oz.
48PZP	ROOF HATCH, FRONT (Specialty 9245-0200) Emergency Exit with Alarm
48PZR	ROOF HATCH, REAR (Specialty 9245-0200) Emergency Exit with Alarm
48RAE	BARRIER, CRASH, AFT ENTRY DOOR 39", 1 Leg
48RAL	BARRIER, CRASH, AFT DRIVER 39", 1 Leg
48RET	PANEL, MODESTY, AFT ENTR DOOR Mounted Under Barrier
48RGE	HAND RAIL, ENTRANCE DOOR, FWD Stainless Steel; Curved
48RGR	HAND RAIL, ENTRANCE DOOR, AFT Stainless Steel, 4", Above Step
48RLX	CUSHION, SEAT 15" Depth

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	<u>Includes</u> : WARRANTY Four Years
48RRA	UPHOLSTERY, SEAT, STITCHING Single
	<u>Includes</u> : WARRANTY Two Years
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 For School Bus Use
	<u>Includes</u> : SEAT BELT, DRIVER Adjustable D-Loop Seat Belt, Single Locking Retractor
48SDV	SEAT,PASS,LT,39",2 LEG (12)
	<u>Notes</u> : BTI Seating System Base Seat. Retrofittable, Contact IC Bus Application Engineering for more information.
48SKN	SEAT,PASS,RT,39",2 LEG (12)
	<u>Notes</u> : BTI Seating System Base Seat. Retrofittable, Contact IC Bus Application Engineering for more information.
48USV	SEAT BACK, PASSENGER High Back
48UWV	FLOOR COVERING, TYPE Koroseal, One Piece, Vinyl, All Body Lengths, Black
48VVR	STEP TREADS {Koroseal} Pebble White Nosing Only, with Non-Metal Backing, used with Formed Treaded Steps
49086	BODY PLAN, APPROVED VARIATION Number 086
49AAW	LIGHT, ENTRY DOOR Light Mounted in Skirt Behind Entrance Door, Wired To Step Light
49ABB	LIGHTS, BACK UP (2) 7" Diameter, Clear
49ACU	LIGHTS, DIRECTIONAL, REAR (2) 7" Amber, without Arrow
49ADA	LIGHTS, DIRECTIONAL, SIDE (2) {Weldon} Armor Type, Amber, One Each Side First Section Behind Entrance Door
49ADC	LIGHTS, WARNING (8) Quartz Halogen Beams, 7", 2 Front, 2 Rear, Red and Amber Lights
49ADX	LIGHTS, TAIL, LICENSE PLATE (2) 4" Red with Light Window
49AEK	LIGHTS, MARKER, FRONT, REAR (4) Two Amber Front and Two Red Rear, Armor Type Single 1500 Hour 2cp Bulb Each Light
49AEU	LIGHTS, STOP (2) and Tail, 7" dia., Red
49AGE	STOP ARM, FRONT {Specialty 2900} Air, 18" Octagon, Flashing Red Lights, 1/2" White Border, High Intensity Scotchlite, Double Sided
49AJH	CONNECTION, LIGHTS Cluster, Clearance and Side Marker To Tail Lights
49AMB	WIRE, FEED 4 Gauge, Chassis To Body
	<u>Notes</u> : Terminals have heat shrink protection.
49AMD	SWITCH, DRIVER PANEL, TYPE Rocker
49AMJ	ALARM, BACKING {Ecco #575} 107 db
49AMT	CIRCUIT, PROTECTION Breakers, Manual Reset in Lieu of Fuses

Vehicle Specifications  
2019 INTEGRATED CE S BUS (PB105)

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<u>Code</u>	<u>Description</u>
	<u>Includes</u> : ACCESS PANEL for Body and Chassis Fuses/Circuit Breakers Located on Body Exterior; Below Driver Window
49AMY	SWITCH, REAR DOOR BUZZER for Emergency Door
49ANJ	SWITCH, MAGNETIC, DISCONNECT Master, Ignition Operated, All Body Circuits Except Dome and Clearance Lights
49ANU	SOURCE, POWER 12 VDC, Mounted On Dash
49APB	LIGHTS, DOME Rectangular Recessed Type; Stagger Mounted in Light Bars
	<u>Includes</u> : WIRING HARNESS Main Body Wiring Harness Accessed by Removing Dome Light
49APT	LIGHT, DRIVER Mounted in Wiring Access Panel Left of Driver, Switch Located in Switch Panel
49ARN	LIGHT, STEP Wired to Clearance Lights
49ASW	CONNECTION, DOME LIGHTS, BUZZER All Except Driver's Dome Lights Activated by Any Emergency Exit
49AWU	SPEAKERS AND WIRING (6) Flush Mounted in Light Bar
49BCM	FLASHER SYSTEM (8) Warning Lights, 8-Lamp System, Electronic Relay Flasher, Sequential Operation, Red Lights Activate after Ambers Lights with Door Open
49BCR	LIGHT, EXTERIOR, CHECK Automatically Activates Lights for Pre Trip Inspection
49BDL	MONITOR, LIGHT SYSTEM {Sound Off} with 16 LED or Incandescent Indicator Lights
49BEB	LIGHTS, CLUSTER Recessed in Cap; Amber in Front and Red in Rear
49BRD	LIGHTS, MARKER, SIDE Intermediate, Armored, Black Top Centered, Single Bulb, 3cp, 1500 HR Bulb, Centered; Required for Units 30 Foot or Longer
49BXN	SWITCH, RED, OVERRIDE WARNING Wired Hot, with ESC, Mounted Left of Driver
49BYD	RADIO, ENTERTAINMENT {Panasonic} AM/FM-MPLX Stereo, Includes Antenna and Cable, with Public Address System
49CKA	LIGHT, INDIC, WARNING LIGHTS Red and Amber, Located Right of Driver
49DBR	HOOD, WARNING LAMP (4) Black, 8-Lamp System, One Hood Above Two Lights
49DDD	WIRING, WARNING LIGHTS for Warning Lights, Lamp Position to Red & Amber Indicators
49EGC	MIRROR, INSIDE 6" x 30", Clear Safety Glass, Metal Back, Round Corners
49EGN	MIRROR, CROSS VIEW, EXTERIOR Heated, Stainless Steel, Rosco
	<u>Includes</u> : MIRROR MOUNT Attached to Body with Metal Backing Plates
49ENK	VISOR, INTERIOR, LEFT FRONT 6" x 30", Transparent, For Left Windshield
49ETN	KIT, FIRST AID No. 925, 24 UNIT, Ohio
49EWT	LIGHT, STROBE Specialty Man. Co. 515-400, Low Profile, Double Flash, 4.25" High
49EXL	MIRROR, REAR VIEW, EXTERIOR {Rosco} Open View, Stainless Steel, Heated, Motorized, Non-Detent
49GAU	KIT, BODY FLUID Ohio, Metal Box
49GBM	SAFETY EQUIPMENT LOCATION Located in Bulkhead Overhead Compartment, Centered Above Windshield
49GBV	WINDSHIELD WIPERS (2) Cowl Mounted

Vehicle Specifications  
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<u>Code</u>	<u>Description</u>
	<u>Includes</u> : WINDSHIELD WIPERS CONTROL Single Motor, Overlapping Wipe Pattern
49GCZ	COMPARTMENT, OVER WINDSHIELD with Latch, No Lock, No Buzzer, Centered Over Windshield
49GDA	LATCH, DOOR BULKHEAD Spring Latch, for Bulkhead Mounted Safety Compartment or Destination Sign Access Doors
49GED	SAFETY TRIANGLES Warning Reflectors, Mounted on Floor Between Driver Seat and Drivers Crash Barrier/ Stanchion/Partition
49GGH	FIRE EXTINGUISHER, DRIVER AREA Amerex, 6 lb 3A-40BC Minimum with Flexible Hose and Metal Nozzle
49GHN	REFLECTORS, REAR (2) 3", Red, Adhesive Back
49GHR	REFLECTORS, SIDE, REAR (2) 3", Red, Adhesive Back
49GHV	REFLECTORS, SIDE, FRONT (2) 3", Amber; Adhesive Back, 1 Aft Drivers Window Left, 1 Aft Entrance Door Right
49GHX	REFLECTORS, SIDE, INTERMEDIATE (2) 3" Amber, 1 Each Side, Below The Third Rub Rail From the Top, Adhesive Back
49GKC	FUSEES, DRIVER AREA Stand-Up Type, Two Sets of Three, 30 Min. in Red Metal Case
49GKZ	FUEL FILLER DOOR with Non-Locking Latch
49GUM	INSPECTION PLATE Fuel Sending Unit 8" x 8" Steel
49GUU	CHECK VALVE, WINDSHIELD WASHER Supply Line
49GUX	MUD FLAPS, FRONT WHEELS (2) Rubber
49GVC	MUD FLAPS, REAR WHEELS (2) Rubber; Behind Rear Wheels
49GWW	WINDSHIELD WASHER Kit; 6 Quart Capacity, Bottle <u>Includes</u> : WINDSHIELD WASHER ELECTRICAL CONNECTIONS Sealed and Locking Type
49GZT	FUEL FILLER PIPE Neck Cap and Vent Hosing for Use with Right Side Fill 100 Gal. Between the Rails Fuel Tanks
49JAC	DEF FILLER DOOR with Non-Locking Latch
49MZY	SWITCH, NOISE SUPPRESSION Actuator Legend States, "NOISE SUPP", for Separate Solenoid, with Black Switch in Panel
49TGC	BODY PLAN, NON-SPECIAL NEEDS Conventional; 33' 5" Body Length, +9 Section Front & Rear, 72 Passenger, 276" WB, DX0072A000
49UBR	STATE OF OPERATION Ohio
7372135415	(2) TIRE, FRONT 11R22.5 Load Range G HSR2 (CONTINENTAL), 498 rev/mile, 75 MPH, All-Position
7372135423	(4) TIRE, REAR 11R22.5 Load Range G HDR2 (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
OBD001	SEAT BELT, DRIVER, COLOR SEAT BELT, DRIVER, COLOR, Please use code # 48GHD ( Drivers seat belt w/ Black Webbing)
OBD002	MISCELLANEOUS PLEASE ADD CODE # 47BDA (Chemguard Floor Coating)
	<b>Services Section:</b>
40126	WARRANTY Standard for CE, RE, BE School Bus Models, Effective with Vehicles Built March 1, 2017 or Later, CTS-3304H

Vehicle Specifications  
2019 INTEGRATED CE S BUS (PB105)

January 17, 2018

Code  
49GVN

Description  
WARRANTY 5-Year, Limited  
247 Camera system w/3 cameras installed  
On-Spot Tire Chains installed

**Financial Summary**  
**2019 INTEGRATED CE S BUS (PB105)**

January 17, 2018

<u>Description</u>	<u>(US DOLLAR)</u>	<u>Price</u>
Factory List Prices:		
Product Items	\$181,532.00	
Service Items	\$0.00	
Total Factory List Price Including Options:		\$181,532.00
Total Goods Purchased:		\$4,032.00
Lettering	\$200.00	
Total Preparation And Delivery:		\$200.00
Freight Charge	\$2,400.00	
Total Freight:		\$2,400.00
Total Factory List Price Including Freight:		\$188,164.00
Less Customer Allowance:		(\$103,324.00)
Total Vehicle Price:		\$84,840.00
Total Sale Price:		\$84,840.00
Total Per Vehicle Sales Price:		\$84,840.00
Net Sales Price:		\$84,840.00

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.

**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.**