

Prepared For:
ALEXIS FIRE EQUIPMENT
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Reference ID: Demo 3000-7500



Diamond SPEC™

Presented By:
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Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile
2009 Diamond SPEC™ 7500 SBA 6X4 (SF637)

APPLICATION:	Fire/Pumper (Emergency)
MISSION:	Requested GVWR: 62000. Calc. GVWR: 62000 Calc. Start / Grade Ability: 17.70% / 2.16% @ 55 MPH Calc. Geared Speed: 66.0 MPH
FUEL ECONOMY:	6.76 MPG @ 55 MPH
DIMENSION:	Wheelbase: 242.00, CA: 174.90, Axle to Frame: 96.00
ENGINE, DIESEL:	{International MaxxForce 10} 350 HP, 1150 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, # 2 Bell Housing
TRANSMISSION, AUTOMATIC:	{Allison 3000EVS_P} 4th Generation Controls; Close Ratio, 5-Speed; With Overdrive, Includes Oil Level Sensor, With Provision for PTO, Less Retarder, Max. GVW N/A
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-16-143A} Wide Track, I-Beam Type, 16,000-lb Capacity
AXLE, REAR, TANDEM:	{Meritor RT-46-160} Single Reduction 46,000-lb Capacity With 200 Wheel Ends Gear Ratio: 5.38
CAB:	Conventional
TIRE, FRONT:	(2) 315/80R22.5 UNISTEEL G291 (GOODYEAR) 491 rev/mile, load range J, 18 ply
TIRE, REAR:	(8) 11R22.5 G182 RSD (GOODYEAR) 496 rev/mile, load range G, 14 ply
SUSPENSION, REAR, TANDEM:	{Hendrickson RT-463} Walking Beam Type 54" Axle Spacing; 46,000-lb Capacity With Bronze Center Bushings
FRAME REINFORCEMENT:	Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL
PAINT:	Cab schematic 100GN Location 1: 2303, Red (Std) Chassis schematic N/A

<u>Code</u>	<u>Description</u>
SF63700	Base Chassis, Model 7500 SBA 6X4 with 242.00 Wheelbase, 174.90 CA, and 96.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Inside Rail, Frame Mounted.
1CBU	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL
1GBP	FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL
1LMY	BUMPER, FRONT Full Width, Aerodynamic, Chrome Plated Steel; 0.189" Material Thickness
1WGY	WHEELBASE RANGE 221" (560cm) Through and Including 262" (665cm)
2ARU	AXLE, FRONT NON-DRIVING {Meritor MFS-16-143A} Wide Track, I-Beam Type, 16,000-lb Capacity
3ADE	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 16,000-lb Capacity; With Shock Absorbers
	<u>Includes</u>
	: SPRING PINS Rubber Bushings, Maintenance-Free
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u>
	: BRAKE CHAMBERS, SPRING (4) Rear Parking
	: BRAKE LINES Color and Size Coded Nylon
	: DRAIN VALVE Twist-Type
	: DUST SHIELDS, FRONT BRAKE
	: DUST SHIELDS, REAR BRAKE
	: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster
	: PARKING BRAKE VALVE Controlled by Yellow Knob, Located on Instrument Panel
	: QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4
	: SLACK ADJUSTERS, FRONT Automatic
	: SLACK ADJUSTERS, REAR Automatic
	: SPRING BRAKE MODULATOR VALVE
4193	BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 Sqn Long Stroke Chambers
4732	DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
4EBT	AIR DRYER {Bendix AD-IP} With Heater
4NCE	BRAKES, REAR, AIR CAM 16.5" x 7.0"; Includes MGM TR3030 Long Stroke Brake Chamber and Heavy Duty Spring Actuated Parking Brake
	<u>Includes</u>
	: BRAKE CHAMBERS, SPRING Inverted with ALL "Walking Beam" type Suspensions, Located on Rear Rear Axle
4SBC	AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity
4VBC	AIR DRYER LOCATION Mounted To Battery Box, Left side, Under Cab
5708	STEERING COLUMN Tilting
5CAL	STEERING WHEEL 2-Spoke, 18" Diam., Black
5PTB	STEERING GEAR (2) {Sheppard M-100/M-80} Dual Power
7BDC	EXHAUST SYSTEM Single Horizontal, Aftertreatment Device, Frame Mounted Right Side, for Use With Long Tail Pipes
	<u>Includes</u>
	: PLEASE NOTE: The Horizontal Tailpipe Includes a Temperature Control Device

<u>Code</u>	<u>Description</u>
7SCJ	EXHAUST BRAKE, DLOGIC {Diamond Logic} for MaxxFer 9 / DT570, MaxxFer 10 / HT570 Engines; Electronically Activated
7WBZ	TAIL PIPE Horizontal, Exits Right Side Outside of Body, At Rear Wheels
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment <u>Includes</u> : BATTERY BOX Steel with Fiberglass Cover; Mounted Right Side, Back of Cab : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : 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 : HEADLIGHTS (2) Sealed Beam Halogen, 5" X 7" Rectangular, with Chrome Plated Bezels : HORN, ELECTRIC Single : JUMP START STUD Located on Positive Terminal of Outermost Battery : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : RUNNING LIGHT (2) Daytime, Included With Headlights : STARTER SWITCH Electric, Key Operated : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted : WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER Includes Ash Cup
8GDY	ALTERNATOR {Leece-Neville 4949PA} Brush Type; 12 Volt 270 Amp. Capacity, Pad Mounted
8HAA	BODY BUILDER WIRING To Rear of Frame, With Stop, Tail, Turn, and Marker Lights Circuits, Ignition Controlled Auxiliary Feed and Ground, Less Trailer Socket
8MEZ	BATTERY SYSTEM {International} Maintenance-Free, (2) 12-Volt 1850CCA Total
8RJV	RADIO {International} AM/FM Stereo With Weatherband, Clock, Auxiliary Input, Includes Multiple Dual Cone Speakers <u>Includes</u> : SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior : SPEAKERS IN CAB (4) Coaxial with Premium Interior
8WCL	HORN, AIR Black, Single Trumpet, Air Solenoid Operated, Mounted Behind Bumper on Right Rail
8WML	HEADLIGHTS Long Life Halogen; for Two Light System
8WWJ	INDICATOR, LOW COOLANT LEVEL With Audible Alarm
8WYE	STARTING MOTOR {Leece-Neville M130D} 12 Volt; Less Thermal Over-Crank Protection
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
9HAN	INSULATION, UNDER HOOD for Sound Abatement
9HBM	GRILLE Stationary, Chrome
9HBN	INSULATION, SPLASH PANELS for Sound Abatement
9WBB	GRILLE EMBER SCREEN Mounted to Grille to Keep Hot Embers out of Engine Air Intake System
9WBC	FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 Emissions

<u>Code</u>	<u>Description</u>
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 <u>Includes</u> : PAINT SCHEMATIC ID LETTERS "GN"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
11001	CLUTCH Omit Item (Clutch & Control)
12851	PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted
12959	BLOCK HEATER, ENGINE {Phillips} 120 Volt/1250 Watt <u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12NSY	ENGINE, DIESEL {International MaxxForce 10} 350 HP, 1150 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, # 2 Bell Housing <u>Includes</u> : AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated : COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control : CRUISE CONTROL Electronic; Controls Integral to Steering Wheel : ENGINE OIL DRAIN PLUG Magnetic : ENGINE SHUTDOWN Electric, Key Operated : FUEL FILTER Included with Fuel/Water Separator : FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel Filter in a Single Assembly; With Water-in-Fuel Sensor; Engine Mounted : GOVERNOR Electronic : OIL FILTER, ENGINE Spin-On Type : WET TYPE CYLINDER SLEEVES
12THT	FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed <u>Includes</u> : FAN Nylon
12UWZ	RADIATOR Cross Flow, Series System; 1228 SqIn Aluminum Radiator Core With Internal Water to Oil Transmission Cooler and 1167 In Charge Air Cooler <u>Includes</u> : ANTI-FREEZE Red Shell Rotella Extended Life Coolant -40F (-40C) : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12UXW	FEDERAL EMISSIONS for 2004; for International HT570 Engines
12VBC	AIR CLEANER Single Element <u>Includes</u> : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
12VYW	FEDERAL EMISSIONS 2007 for International MaxxForce 9 & 10 Engines (DT570 & HT570)
12VZA	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for International post 2007 Emissions Electronic Engines
12WYS	EXPANDED ENGINE TEMP EFFECTS to Allow Higher Engine Operating Temperature Range; Includes Nylon Surge Tank and 15 psi Pressure Cap

<u>Code</u>	<u>Description</u>
12WZD	EMISSION COMPLIANCE Engine Shutdown System Exempt Vehicles, Complies With California Clean Air Regulations
13AJV	TRANSMISSION, AUTOMATIC {Allison 3000EVS_P} 4th Generation Controls; Close Ratio, 5-Speed; With Overdrive, Includes Oil Level Sensor, With Provision for PTO, Less Retarder, Max. GVW N/A <u>Includes</u> : OIL FILTER, TRANSMISSION Mounted on Transmission : TRANSMISSION OIL PAN Magnet in Oil Pan
13WBL	TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
13WDY	SHIFT CONTROL PARAMETERS WT-Allison S-1 Performance Programming in Primary and Allison S-4 Economy Programming in Secondary
13WUE	ALLISON SPARE INPUT/OUTPUT for Emergency Vehicle Series (EVS); Fire/Pumper, Tank, Aerial/Ladder
14GRD	AXLE, REAR, TANDEM {Meritor RT-46-160} Single Reduction 46,000-lb Capacity With 200 Wheel Ends . Gear Ratio: 5.38 <u>Includes</u> : POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light : REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle
14UHK	SUSPENSION, REAR, TANDEM {Hendrickson RT-463} Walking Beam Type 54" Axle Spacing; 46,000-lb Capacity With Bronze Center Bushings <u>Includes</u> : CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone
14WAL	SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions
15LKG	FUEL/WATER SEPARATOR With Thermostatic Fuel Temperature Controlled Electric Heater, and Filter Restriction/Change Indicator, Includes Standard Equipment Water-in-Fuel Sensor
15SCE	FUEL TANK Top Draw; D Style, Steel, 50 U.S. Gal., 189 L Capacity, With Quick Connect Outlet, 16" Tank Depth, Mounted Left Side Under Cab
16030	CAB Conventional <u>Includes</u> : ARM REST (2) Molded Plastic; One Each Door : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel : DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (2) "B" Pillar Mounted, One Each Side : INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color : STEP (4) Two Steps per Door
16HBA	GAUGE CLUSTER English With English Electronic Speedometer <u>Includes</u> : GAUGE CLUSTER (6) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter, Washer Fluid Level : 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)

<u>Code</u>	<u>Description</u>
16HCK	SEATBELT WARNING PREWIRE Includes Seat Belt Switches and Seat Sensors for all Belted Positions in the Cab and a Harness Routed to the Center of the Dash for the Aftermarket Installation of the Data Recorder and Seatbelt Indicator Systems, for 1 to 3 Seat Belts
16HGH	GAUGE, OIL TEMP, ALLISON TRAN
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JJE	SEAT, DRIVER {National 2000} NFPA Compliant, Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, -3 to +14 Degree Back Angle Adjust <u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16PJH	SEAT, PASSENGER {Gra-Mag} Non Suspension, High Back, Fixed Back, Integral Headrest, Vinyl <u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16SDC	GRAB HANDLE (2) Chrome Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry, Mounted Left and Right, Each Side at "B" Pillar
16SDU	MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatically Controlled, Power Both Sides, Clearance Lights LED, Bright Finish Heads & Brackets
16VBZ	SEAT BELT All Red; 1 to 3
16WJS	INSTRUMENT PANEL Center Section, Flat Panel
16WKB	AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster <u>Includes</u> : FRESH AIR FILTER : HEATER HOSES Premium : REFRIGERANT Hydrofluorocarbon HFC-134A
16WKY	FRESH AIR FILTER for HVAC
16WRX	CAB INTERIOR TRIM Deluxe <u>Includes</u> : "A" PILLAR COVER Molded Plastic : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket : DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors : FLOOR COVERING Rubber, Black : HEADLINER Soft Padded Cloth : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section : STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door : SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console
16WSK	CAB REAR SUSPENSION Air Bag Type
27DMW	WHEELS, FRONT DISC; 22.5" Painted Steel, 5 Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 9.00 DC Rims; With Steel Hubs. <u>Includes</u> : PAINT IDENTITY, FRONT WHEELS White : WHEEL SEALS, FRONT Oil Lubricated, Includes Wheel Bearings
28DMA	WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

<u>Code</u>	<u>Description</u>
	<u>Includes</u> : PAINT IDENTITY, REAR WHEELS White : WHEEL SEALS, REAR Oil Lubricated, Includes Wheel Bearings
7372130121	(8) TIRE, REAR 11R22.5 G182 RSD (GOODYEAR) 496 rev/mile, load range G, 14 ply
7702540190	(2) TIRE, FRONT 315/80R22.5 UNISTEEL G291 (GOODYEAR) 491 rev/mile, load range J, 18 ply
	Services Section:
40AMJ	WRTY,LTD, BASIC VEHICLE DSPEC {Diamond SPEC} To 12-Month/Unlimited Mileage; Includes Diamond Emergency Breakdown Service, With 90-Day Towing