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Diamond SPEC™

Presented By:
TX TRK CNTRS OF HOUS LTD
Todd Beard
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HOUSTON TX 77029
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Model Profile
2007 Diamond SPEC™ 7500 SBA 6X4 (SF637)

APPLICATION: Septic Pumper

MISSION: Requested GVWR: 64000. Calc. GVWR: 64000
Calc. Start / Grade Ability: 26.00% / 1.77% @ 55 MPH
Calc. Geared Speed: 79.7 MPH

FUEL ECONOMY: 7.71 MPG @ 55 MPH

DIMENSION: Wheelbase: 260.0, CA: 192.9, Axle to Frame: 96.0

ENGINE, DIESEL: {International HT570 High Torque} 50 State, 340 HP, 1150 lb-ft Torque @ 1100 RPM, 2100 RPM Governed Speed, # 1 Bell Housing

TRANSMISSION, MANUAL: {Fuller RTO(F)-14908LL} 10-Speed Manual; Double Lo With Overdrive and With Air Shift

CLUTCH: {Eaton Fuller EP1552} Easy-Pedal Plus, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, With Kwik-Adjust (Manual) Feature, With 3200 lb Plate Load, 1450 lb-ft Torque Capacity

AXLE, FRONT NON-DRIVING: {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity

AXLE, REAR, TANDEM: {Meritor RT-46-160} Single Reduction, 46,000-lb Capacity, With Driver Controlled Main Locking Differential in Rear-Rear Axle and 200 Wheel Ends Gear Ratio: 4.30

CAB: Conventional

TIRE, FRONT: (2) 425/65R22.5 UNISTEEL G286A (GOODYEAR) 470 rev/mile, load range L, 20 ply

TIRE, REAR: (8) 11R22.5 G244 MSD (GOODYEAR) 497 rev/mile, load range H, 16 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: 9219, Winter White
Chassis Schematic N/A

<u>Code</u>	<u>Description</u>
SF63700	Base Chassis, Model 7500 SBA 6X4 with 260.0 Wheelbase, 192.9 CA, and 96.0 Axle to Frame.
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
1LLK	BUMPER, FRONT Omit Item
1WBC	CROSSMEMBER, SUSPENSION (1) 7-Piece Steel Replacing (1) Double Dogbone, Forward
1WDS	FRAME EXTENSION, FRONT Integral; 20" In Front of Grille
1WDU	CROSSMEMBER, FRONT for Hydraulic Pump, Mounting Flange to Accomodate Pump
1WGY	WHEELBASE RANGE 221" (560cm) Through and Including 262" (665cm)
2ARZ	AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity
3ACR	SUSPENSION, FRONT, SPRING Multileaf, Shackle Type; 18,000-lb Capacity; Less Shock Absorbers
	<u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u> : AIR COMPRESSOR AIR SUPPLY LINE International Engines Naturally-Aspirated : BRAKE CHAMBERS, SPRING (4) Rear Parking : BRAKE LINES Color Coded Nylon : DRAIN VALVE Twist-Type : DUST SHIELDS, FRONT BRAKE : DUST SHIELDS, REAR BRAKE : GAUGE, AIR PRESSURE Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE VALVE Color-Coded Yellow Knob, Located on Instrument Panel : SLACK ADJUSTERS, FRONT Automatic : SLACK ADJUSTERS, REAR Automatic : SPRING BRAKE MODULATOR VALVE
4193	BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Chambers
	<u>Includes</u> : DUST SHIELDS, FRONT BRAKE
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
4SBD	AIR COMPRESSOR {Bendix Tu-Flo 750} 16.5 CFM
5708	STEERING COLUMN Tilting
5CAL	STEERING WHEEL 2-Spoke, 18" Diam., Black
5PTB	STEERING GEAR (2) {Sheppard M-100/M-80} Dual Power

<u>Code</u>	<u>Description</u>
7BBP	EXHAUST SYSTEM Single, Vertical, 10" Dia., Stainless Steel Muffler with Internal Catalytic Converter; Bright Chrome Tail Pipe, Bright Stainless Steel Muffler Guard; Frame Mounted Right Side; for 2004 Emissions Standards With International I6 Engines
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 : HEADLIGHTS (2) Sealed Beam Halogen, 5" X 7" Rectangular, with Chrome Plated Bezels : HORN, ELECTRIC Single : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : RUNNING LIGHT (2) Daytime : STARTER SWITCH Electric Key Operated : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector : TURN SIGNAL SWITCH Self-Cancelling, Headlight Dimmer (with Flash-To-Pass 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, Integral with Turn Signal Switch : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted : WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER
8GDx	ALTERNATOR {Leece-Neville BLP2309} Brushless, 12 Volt 160 Amp. Capacity, Pad Mounted
8HAB	BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
8MKL	BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
8REY	RADIO {Panasonic CQR-111} AM/FM, With Cassette Player, 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 {Grover} Black, Single Trumpet, Air Solenoid Operated, Mounted Behind Bumper on Right Rail
8WWM	STARTING MOTOR {Leece-Neville MS2} 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
9579	FENDER EXTENSIONS Injection Molded TPO
9HBM	GRILLE Stationary, Chrome
9WAY	FRONT END Tilting, Fiberglass, With Three Piece Construction
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
11MDX	CLUTCH {Eaton Fuller EP1552} Easy-Pedal Plus, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, With Kwik-Adjust(Manual) Feature, With 3200 lb Plate Load, 1450 lb-ft Torque Capacity <u>Includes</u> : CLUTCH RELEASE BEARING Greasable

<u>Code</u>	<u>Description</u>
12851	PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted
12NRZ	ENGINE, DIESEL {International HT570 High Torque} 50 State, 340 HP, 1150 lb-ft Torque @ 1100 RPM, 2100 RPM Governed Speed, # 1 Bell Housing <u>Includes</u> : CRUISE CONTROL Electronic; Controls Integral to Steering Wheel : ENGINE OIL DRAIN PLUG Magnetic : ENGINE SHUTDOWN Electric, Key Operated : FAN Optimized Position : FUEL/WATER SEPARATOR and FUEL FILTER in a Single Assembly, Mounted on Engine : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted : GOVERNOR Road Speed, Electronic : OIL FILTER, ENGINE Spin-On Type : WET TYPE CYLINDER SLEEVES
12THT	FAN DRIVE {Horton Drivemaster} "Two Speed" Direct Drive, With Residual Torque Device for Disengaged Fan Speed <u>Includes</u> : FAN Nylon
12UVW	RADIATOR Cross Flow, Series System; 940 SqIn Aluminum Radiator Core and 1025 SqIn Charge Air Cooler <u>Includes</u> : ANTI-FREEZE Shell Rotella Extended Life Coolant -40F (-40C) : DEAERATION SYSTEM with Surge Tank : RADIATOR HOSES Premium, Rubber
12UXW	FEDERAL EMISSIONS for 2004; for International HT570 Engines
12VBB	AIR CLEANER Dual Element
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
12VXY	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Module and Connector for Body Builder Installation of Remote Engine Speed Control, With SAE J1939 Communication
12WBR	FAN OVERRIDE Manual; With Electric Switch on Instrument Panel, (Fan On With Switch On)
12WYS	EXPANDED ENGINE TEMP EFFECTS to Allow Higher Engine Operating Temperature Range; Includes Nylon Surge Tank and 15 psi Pressure Cap
12WYT	CHARGE AIR COOLER Heavy Duty, for Increased Temperature and Pressure Capability, for International Engines
13GHW	TRANSMISSION, MANUAL {Fuller RTO(F)-14908LL} 10-Speed Manual; Double Lo With Overdrive and With Air Shift <u>Includes</u> : CLUTCH BRAKE Torque Limiting : FILL PLUG, MAGNETIC
13WAS	CLUTCH HOUSING Aluminum; Available With 1350 to 2050 lb-ft Capacity Fuller Transmissions
13WLB	TRANSMISSION OIL {EmGard 50W} Synthetic; 22 thru 33.99 Pints
14GRP	AXLE, REAR, TANDEM {Meritor RT-46-160} Single Reduction, 46,000-lb Capacity, With Driver Controlled Main Locking Differential in Rear-Rear Axle and 200 Wheel Ends <u>Includes</u> : POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light : REAR AXLE DRAIN PLUG (2) Magnetic

<u>Code</u>	<u>Description</u>
14UHK	SUSPENSION, REAR, TANDEM {Hendrickson RT-463} Walking Beam Type 54" Axle Spacing; 46,000-lb Capacity With Bronze Center Bushings
14WAL	SUSPENSION/REAR-AXLE IDENTITY for Meritor(Rockwell) Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions
15DMV	FUEL TANK (2) Top Draw; D Style, Non Polished Aluminum, 70 U.S. Gal., 265L, Total Capacity 140 U.S. Gal., 530L; 19" Tank Depth, Mounted Under Cab Left and Right Side <u>Includes</u> : FUEL LINES Nylon Tubing With O-Ring Snap-On Quick-Connect Fittings at Both Ends
16030	CAB Conventional <u>Includes</u> : ARM REST (2) Molded Plastic, Smoke Gray; One Each Door : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK Located on Rear Wall, Centered Above Rear Window : FLOOR COVERING Rubber, Black : 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 : STEP (2) 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)
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolated, With 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Adjustment, Single Chamber Air Lumbar Support <u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16RPV	SEAT, PASSENGER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolated, With 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Adjustment, Single Chamber Air Lumbar Support <u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16SDS	MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75", Brackets Breakaway Type, With 102" Wide Spacing, With Integral Convex Both Sides, With All Heated Heads, Thermostatically Controlled, With Clearance Lights LED, With Bright Finish Heads and Brackets
16SEE	GRAB HANDLE Chrome; Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry Mounted Left Side Only
16WBY	ARM REST, RIGHT, DRIVER SEAT
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

<u>Code</u>	<u>Description</u>
16WKY	FRESH AIR FILTER for HVAC
16WRX	CAB INTERIOR TRIM Deluxe <u>Includes</u> : "A" PILLAR COVER Molded Plastic, Smoke Gray : CAB INTERIOR TRIM PANELS Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat the Back Panel is Only Partially Covered and with a Full Bench Seat the Back Panel is : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets and Retainer Nets and CB Radio Pocket; Smoke Gray with Black Netting Over Storage Pockets : DOME LIGHT, CAB Rectangular, Door Activated, Timed Theater Dimming, Center Mounted, Integral to Console : DOOR TRIM PANELS (2) Molded Plastic; Driver and Passenger Doors : HEADLINER Printed Cloth : INSTRUMENT PANEL TRIM Molded Plastic, Drawbridge Gray with Black Center Section, Hidden Cup Holder and Ash Tray (Pull-Out) : STORAGE POCKET, DOOR (1) Molded Plastic, Smoke Gray, 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
27DHK	WHEELS, FRONT DISC; 22.5" Non-Polished Aluminum, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 12.25 DC Rims; With Steel Hubs <u>Includes</u> : WHEEL SEALS, FRONT Oil Lubricated, Includes Wheel Bearings
28DMB	WHEELS, REAR DUAL DISC; 22.5" Non-Polished Aluminum, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs <u>Includes</u> : WHEEL SEALS, REAR Oil Lubricated, Includes Wheel Bearings
7382130152	(8) TIRE, REAR 11R22.5 G244 MSD (GOODYEAR) 497 rev/mile, load range H, 16 ply
7752660164	(2) TIRE, FRONT 425/65R22.5 UNISTEEL G286A (GOODYEAR) 470 rev/mile, load range L, 20 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