

**Model Profile**  
**2010 4400 SBA 4X2 (MA035)**

**APPLICATION:** Fuel Oil (Tank)  
**MISSION:** Requested GVWR: 33000. Calc. GVWR: 33000  
Calc. Start / Grade Ability: 48.10% / 2.51% @ 55 MPH  
Calc. Geared Speed: 72.0 MPH  
**FUEL ECONOMY:** 7.67 MPG @ 55 MPH  
**DIMENSION:** Wheelbase: 205.00, CA: 137.90, Axle to Frame: 96.00  
**ENGINE, DIESEL:** {International MaxxForce DT} EPA 07, 260 HP 800 lb-ft Torque @ 1400 RPM, 2400 RPM  
Governed Speed, # 2 Bell Housing  
**TRANSMISSION, AUTOMATIC:** {Allison 3500\_RDS\_P} 4th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive;  
On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW  
& GCW Max.  
**CLUTCH:** Omit Item (Clutch & Control)  
**AXLE, FRONT NON-DRIVING:** {International I-100SG} I-Beam Type, 10,000-lb Capacity  
**AXLE, REAR, SINGLE:** {Dana Spicer S23-170} Single Reduction, 23,000-lb Capacity, With R Wheel Ends Gear Ratio:  
6.14  
**CAB:** Conventional  
**TIRE, FRONT:** (2) 11R22.5 G149 RSA/RH (GOODYEAR) 501 rev/mile, load range G, 14 ply  
**TIRE, REAR:** (4) 11R22.5 G149 RSA/RH (GOODYEAR) 501 rev/mile, load range G, 14 ply  
**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring  
**PAINT:** Cab schematic 100GA  
Location 1: 9219, Winter White (Std)  
Chassis schematic N/A

**Description**

Base Chassis, Model 4400 SBA 4X2 with 205.00 Wheelbase, 137.90 CA, and 96.00 Axle to Frame.

TOW HOOK, FRONT (2) Inside Rail, Frame Mounted.

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); 420.0" (10668mm) Maximum OAL

LICENSE PLATE HOLDER Includes Upper & Lower Mounting Plate Hardware, Mounted in Existing Holes in Front Bumper

BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness

**Includes**

: BUMPER, FRONT Powder Coated Gray (Argent) Color

CROSSMEMBER, REAR, AF (01)

WHEELBASE RANGE 199" (505cm) Through and Including 254" (645cm)

AXLE, FRONT NON-DRIVING {International I-100SG} I-Beam Type, 10,000-lb Capacity

**Notes**

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 10,000-lb Capacity; With Shock Absorbers

**Includes**

: SPRING PINS Rubber Bushings, Maintenance-Free

**Notes**

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

**Includes**

: BRAKE CHAMBERS, SPRING (2) Rear Parking

: 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 Bendix 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 R-7 for 4x2, SR-7 with relay valve for 6x4

**Notes**

: Front and Rear Dust Shields not Included

: Rear Axle is Limited to 19,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCL BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered.

: Rear Axle is Limited to 20,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCG BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered.

: Rear Axle is Limited to 23,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.

DRAIN VALVE, AUTOMATIC {Bendix DV-2} With Heater; for Air Tank

AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)

AIR DRYER {Bendix AD-9} With Heater

BRAKE CHAMBERS, FRONT AXLE {Haldex} 20 Sqn

BRAKE CHAMBERS, REAR AXLE {Haldex GC3030LHDHO} 30/30 Spring Brake

**Description**

BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

**Notes**

: Front Axle with 14,000-lb GAWR is Limited to 13,200-lb GAWR when used in Conjunction with 15" BRAKES, FRONT, AIR CAM.

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

**Notes**

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity

STEERING COLUMN Tilting

STEERING WHEEL 2-Spoke, 18" Diam., Black

STEERING GEAR {Sheppard M-100} Power

EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Outside Right Rail Under Cab; Includes Vertical Tail Pipe and Guard

**Includes**

: MUFFLER/TAIL PIPE GUARD Bright Finish

TAIL PIPE (1) Turnback Type, Bright, for Single Exhaust

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

**Includes**

: BATTERY BOX Steel

: 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

: HORN, ELECTRIC Single

: JUMP START STUD Located on Positive Terminal of Outermost Battery

: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light

: 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

CIGAR LIGHTER Includes Ash Cup

ALTERNATOR {Leece-Neville LBP2224H} Brush Type; 12 Volt 120 Amp. Capacity, Pad Mounted

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

BATTERY SYSTEM {International} Maintenance-Free (3) 12-Volt 2775CCA Total

RADIO {International} AM/FM Stereo With CD Player, Weatherband, Clock, Auxiliary Input, Includes Multiple Coaxial Speakers

**Includes**

: SPEAKERS IN CAB (2) Coaxial with Deluxe Interior

: SPEAKERS IN CAB (4) Coaxial with Premium Interior

BACK-UP ALARM Electric, 102 dBA

HORN, AIR Black, Single Trumpet, Air Solenoid Operated

**Description**

WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time

ENGINE SHUTDOWN Automatic; With 30 Second Delay, With International Engines

TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

INDICATOR, LOW COOLANT LEVEL With Audible Alarm

ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened

BATTERY BOX Steel; With Aluminum Cover, 3 Battery Capacity, Mounted Left Side Behind Fuel Tank

HEADLIGHTS Halogen; Composite Aero Design for Two Light System

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses

GRILLE Chrome

BUG SCREEN Front End; Mounted Behind Grille

FRONT END Tilting, Fiberglass, With Three Piece Construction

PAINT SCHEMATIC, PT-1 Single Color, Design 100

**Includes**

: PAINT SCHEMATIC ID LETTERS "GA"

LABEL Emissions, Fuel Economy and Noise.

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

CLUTCH Omit Item (Clutch & Control)

BLOCK HEATER, ENGINE {Phillips} 120 Volt/1250 Watt

**Includes**

: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door

ENGINE, DIESEL {International MaxxForce DT} EPA 07, 260 HP 800 lb-ft Torque @ 1400 RPM, 2400 RPM Governed Speed, # 2 Bell Housing

**Includes**

: 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

**Notes**

: Recommend Code 12THT when using front mount obstructions (winches, cones, reels, etc.) that restrict air flow through the radiator.

FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On

**Includes**

: FAN Nylon

**Description**

FEDERAL EMISSIONS for 2004; for International VT365, DT466 and DT570 Engines

RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 816 SqIn Louvered, With 313 SqIn Charge Air Cooler. With In-Tank Transmission Cooler

**Includes**

: 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

AIR CLEANER Single Element

**Includes**

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

OVER-TEMPERATURE PROTECTION (For Engine Coolant) Omit Item

THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control

FEDERAL EMISSIONS 2007 for International MaxxFace DT Engines (DT466)

EXPANDED ENGINE TEMP EFFECTS to Allow Higher Engine Operating Temperature Range; Includes Nylon Surge Tank and 15 psi Pressure Cap

EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Regulations

TRANSMISSION, AUTOMATIC {Allison 3500\_RDS\_P} 4th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.

**Includes**

: OIL FILTER, TRANSMISSION Mounted on Transmission  
: TRANSMISSION OIL PAN Magnet in Oil Pan

TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission

SHIFT CONTROL PARAMETERS WT-Allison S-1 Performance Programming in Primary and Allison S-4 Economy Programming in Secondary

TRANSMISSION OIL Synthetic; 29 thru 42 Pints

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction

AXLE, REAR, SINGLE {Dana Spicer S23-170} Single Reduction, 23,000-lb Capacity, With R Wheel Ends . Gear Ratio: 6.14

**Includes**

: REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle

**Notes**

: 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

SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring

**Notes**

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

SHOCK ABSORBERS, REAR (2)

AXLE, REAR, LUBE {EmGard 75W-90} Synthetic Oil; 30 thru 39.99 Pints

**Description**

FUEL/WATER SEPARATOR With Thermostatic Fuel Temperature Controlled Electric Heater, and Filter Restriction/Change Indicator, Includes Standard Equipment Water-in-Fuel Sensor

FUEL TANK Top Draw; D Style, Steel, 19" Deep, 50 U.S. Gal., 189 L Capacity, With Quick Connect Outlet, Mounted Left Side, Under Cab

**Notes**

: N/A with 19.5" Tires

FLOOR COVERING Transmission Cover, Floor Mats and Seal

CAB Conventional

**Includes**

: 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) Front of "B" Pillar Mounted, One Each Side

: INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color

: STEP (4) Two Steps per Door

GAUGE CLUSTER English With English Electronic Speedometer

**Includes**

: 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)

GAUGE, OIL TEMP, ALLISON TRAN

GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

**Includes**

: SEAT BELT 3-Point, Lap and Shoulder Belt Type

SEAT, PASSENGER {Gra-Mag} Non Suspension, High Back, Fixed Back, Integral Headrest, Vinyl

**Includes**

: SEAT BELT 3-Point, Lap and Shoulder Belt Type

MIRRORS (2) {Lang Mekra} Rectangular, 7.44" x 14.84" & 7.44" sq. Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatic Controlled, Black Heads, Brackets and Arms

CAB MOUNTING HEIGHT EFFECTS Mid Cab in Lieu of Low Cab Mounting Height (Approx. 4") for Increased Cooling System Requirements

ARM REST, RIGHT, DRIVER SEAT

INSTRUMENT PANEL Center Section, Flat Panel

AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster

**Includes**

: HEATER HOSES Premium

: REFRIGERANT Hydrofluorocarbon HFC-134A

**Description**

FRESH AIR FILTER for HVAC

CAB INTERIOR TRIM Premium

**Includes**

: "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  
: CAB SOUND INSULATION Includes Dash and Engine Cover Insulators  
: CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets, CB Radio Pocket, Speakers, and Reading Lights  
: COURTESY LIGHT (2) Mounted In Front Map Pocket Left and Right Side  
: DOOR TRIM PANELS with Cloth Insert on Bolster Driver and Passenger Doors  
: FLOOR COVERING Rubber, Black  
: GAUGE, TEMPERATURE, AMBIENT Includes Compass Readout and Wiring and Sensor With Display Unit Mounted in Cluster  
: HEADLINER Soft Padded Cloth  
: INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section  
: STORAGE POCKET, DOOR (2) Molded Plastic (Carpet Texture), Full-Length; Driver and Passenger Doors  
: SUN VISOR (3) Padded Vinyl: 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side

CAB REAR SUSPENSION Air Bag Type

WHEELS, FRONT 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.

**Includes**

: PAINT IDENTITY, FRONT WHEELS White  
: WHEEL SEALS, FRONT Grease Lubricated, Includes Wheel Bearings

**Notes**

: Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22,5

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

**Includes**

: PAINT IDENTITY, REAR WHEELS White  
: WHEEL SEALS, REAR Oil Lubricated, Includes Wheel Bearings

**Notes**

: Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22,5

WHEEL SEALS, FRONT {International} Oil-Lubricated Wheel Bearings

WHEEL BEARING, FRONT, LUBE {EmGard 50W} Synthetic Oil

WARRANTY Medium Duty Standard 24 Month

(2) TIRE, FRONT 11R22.5 G149 RSA/RH (GOODYEAR) 501 rev/mile, load range G, 14 ply

(4) TIRE, REAR 11R22.5 G149 RSA/RH (GOODYEAR) 501 rev/mile, load range G, 14 ply