

USDA FOREST SERVICE

4X4 CHASSIS ONLY

SPECIFICATION

FOR MODEL 448

JULY, 2009

CHASSIS SPECIFICATIONS

The apparatus chassis shall be an International 7400 SFA (set forward axle) with a four door crew cab and four wheel drive.

The chassis shall include the following features:

Wheelbase:

208"

Cab to Axle:

90"

Tow Hooks:

Front, two (2); inside rail; frame mounted

Frame Rails:

Heat treated alloy steel; 10.866" x 3.622" x 0.433"; 120,000 PSI yield

Bumper, Front:

Steel; swept back; powder coated Argent Gray

Axle, Front, Driving:

(Meritor MX-12-120); 14,000 lb. capacity

Suspension, Front:

Spring; taper leaf; parabolic; 14,000 lb. capacity; with shock absorbers

Brake System, Dual Air:

Includes:

Front brakes: 16.5" x 5"; S-Cam type; with 20 sq. in. MGM long stroke brake chambers

Rear brakes: 16.5" x 7"; with MGM TR3030 long stroke brake chamber and heavy duty spring actuated parking brake

Dust shields; front and rear axles

Slack adjusters; front and rear; automatic

Drain valve; twist type

Drain valve (Berg); manual; with chain

Gauges; located in cab instrument panel; "Air 1" and "Air 2"

Air dryer (Bendix AD-IP); with heater

Brake lines; color and size coded nylon

Parking brake valve; with yellow knob; located on cab instrument panel

Air Brake ABS: Full vehicle wheel control system (4-channel) (Bendix Antilock Brake System)

Air compressor (Bendix Tu-Flo 550); 13.2 CFM capacity

Spring brake modulator valve

Steering Column:

Tilting

Steering Wheel:

2-spoke, 18" diameter, black

Steering Gear:

Power (Sheppard M-100)

Exhaust System:

Single, horizontal; with aftertreatment device; frame mounted outside right framerail under cab, includes vertical tailpipe and guard

Electrical System:

12-volt

Includes:

Headlights; two (2); halogen

Horn; electric; single

Horn; air accommodation package; less horn

Starter switch; electric; key operated

Headlight dimmer switch integral with turn signal lever

Turn signal switch; self canceling

Windshield wiper; 2-speed; integral with turn signal switch; with wash/intermittent feature

Circuit breakers; manual reset; replaces all fuses except for 5A

Wiring; chassis; color coded and continuously numbered

Alternator:

12 VDC; 200 amp capacity (Leece-Neville 14951PA)

Battery System:

Three (3); 1950 CCA total batteries; maintenance-free; steel battery box

Jump start stud; remote mounted

Radio:

International AM/FM stereo with CD player and Weatherband; two (2) coaxial speakers

Starter:

12 VDC (Leece Neville M130D); with thermal over-crank protection

Grille:

Stationary; chrome

Front End:

Tilting, fiberglass; with rubber fender extensions

Engine:

Diesel; 50 State, 330 HP; 950 lb-ft torque @ 1200 rpm, 2200 RPM governed speed
(International Maxxforce 9)

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Includes:

Air cleaner; single element

Throttle; hand control; stationary; mounted on steering wheel

Fuel/water separator and fuel filter in a single assembly, with water-in-fuel sensor and heater

Block heater; 120 volt/1250 watt (Phillips)

Fan drive (Horton Drivemaster); two speed; direct-drive

Indicator, low coolant level with audible alarm

Grille; ember screen; engine air intake system; hood-mounted

Diamond Logic combined engine and exhaust brake, Latched Mode

Expanded engine temperature effects to allow higher engine temperature operating range

Radiator:

Aluminum; cross flow; 1228 sq-in area and 1167 sq-in charge air cooler

Transmission, Automatic:

Allison 3000 EVS; wide ratio; 5 speed; with overdrive; with oil level sensor; less retarder

Transmission Controls

T-bar type; for Allison 3000 and 4000 transmissions, cab dashboard mounted

Transfer Case

Two (2) speed (Meritor T-4210 2), 10,000 lb-ft capacity, without PTO provision

Includes:

Oil Cooler, remote mounted, back of cab

Electric over air control

Axle, Rear:

Single; 27,000 lb. capacity, (Meritor RS-23-160)

Includes:

Differential; locking (Detroit Locker); No-Spin

Drain plug, magnetic, for single rear axle

Suspension, Rear:

Spring; single; 31,000 lb. capacity; with 4,500 lb. auxiliary rubber spring; with shock absorbers

Fuel Tank:

Capacity: 70-gallons; steel; D style; top draw; mounted left side under cab

Cab:

Conventional 6 person crew cab

Includes:

Clearance lights; five (5); flush-mounted

Exterior grab handles; three (3); aft of cab doors; two (2) driver's side of cab; one (1) passenger's side of cab (due to exhaust pipe); with rubber insert

Interior grab handles; seven (7); passenger's side front and both rear cab doors
Exterior cab steps; eight (8); two (2) steps per cab door
Mirrors; exterior; two (2); rectangular; 15.75"x 7.09"; with integral convex; 102" wide spacing;
with breakaway type mounting brackets; with LED clearance lights
Gauge cluster English with electronic speedometer, tachometer, oil pressure, coolant
temperature, fuel level, voltmeter, washer fluid level
Warning system; low fuel level, low oil pressure, high coolant temperature, low voltage
Gauge, transmission temperature
Gauge, applied air
Gauge; air cleaner restriction
Seat, driver's and passenger's; National 2000; high back; vinyl; air suspension; air lumbar
Seat; rear bench; full width; vinyl; with fixed back and two outboard integral headrests
Red 3 point seat belts; driver's and passenger's and outboard rear cab seats (total of four)
Red 2 point seat belt; center rear seat (total of one)
Air conditioner (International Blend-Air); with integral heater and defroster
Fresh air filter for HVAC
Tinted glass
Dome light with automatic dimming, door activated and push ON/OFF
Overhead storage console with nets, CB pocket, Pearl Gray interior
Deluxe cab interior trim
Molded plastic door trim panels
Molded plastic storage pocket; driver's and passenger's front cab doors
Padded cloth headliner
Black rubber floor covering
Vinyl sun visors
Cab suspension; air bag type
Single color cab exterior finish paint

Tires And Wheels:

Steel disc wheels; painted white; with 10-stud pattern; 8.25" x 22.5" DC rims; hub piloted

Tires Front: 12R22.5 Unisteel G177 (Goodyear); load range H; 16 ply

Tires Rear: 12R22.5 Unisteel G177 (Goodyear); load range H; 16 ply

Included with chassis, one (1) spare wheel and one (1) spare tire matching the wheels and
tires, delivered affixed to the cab and chassis.