



**Model Profile**  
**2024 HV507 SFA (HV507)**

**AXLE CONFIG:** 4X2  
**APPLICATION:** Front Plow No Spreader  
**MISSION:** Requested GVWR: 36220. Calc. GVWR: 36220. Calc. GCWR: 80000  
Calc. Start / Grade Ability: 36.77% / 2.88% @ 55 MPH  
Calc. Geared Speed: 72.7 MPH

**DIMENSION:** Wheelbase: 203.00, CA: 84.10, Axle to Frame: 69.00  
**ENGINE, DIESEL:** {Cummins L9 300} EPA 2021, 300HP @ 2200 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 300 Peak HP (Max)

**TRANSMISSION, AUTOMATIC:** {Allison 3500 RDS} 6th Generation Controls, Wide Ratio, 5-Speed with Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway

**CLUTCH:** Omit Item (Clutch & Control)

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-14-143A} Wide Track, I-Beam Type, 14,000-lb Capacity  
**AXLE, REAR, SINGLE:** {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, 200 Wheel Ends Gear Ratio: 4.89  
**CAB:** Conventional 6-Man Crew Cab  
**TIRE, FRONT:** (2) 11R22.5 Load Range H ENDURANCE RSA (GOODYEAR), 496 rev/mile, 75 MPH, All-Position  
**TIRE, REAR:** (4) 11R22.5 Load Range H FUEL MAX RTD (GOODYEAR), 495 rev/mile, 75 MPH, Drive  
**SUSPENSION, REAR, SINGLE:** 23,500-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs  
**PAINT:** Cab schematic 100WK  
Location 1: 4214, Medium Lemon Yellow (Prem)  
Chassis schematic 932WK  
Wheel: 4214, Medium Lemon Yellow (Prem)

<u>Code</u>	<u>Description</u>
HV50700	Base Chassis, Model HV507 SFA with 203.00 Wheelbase, 84.10 CA, and 69.00 Axle to Frame.
1ANA	AXLE CONFIGURATION {Navistar} 4x2  <u>Notes</u> : Pricing may change if axle configuration is changed.
1CAG	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.250" x 3.610" x 0.375" (260.4mm x 91.7mm x 9.5mm); 456.0" (11582mm) Maximum OAL
1LLK	BUMPER, FRONT Omit Item
1WDS	FRAME EXTENSION, FRONT Integral; 20" In Front of Grille
1WEW	WHEELBASE RANGE 197" (500cm) Through and Including 264" (670cm)
2ARV	AXLE, FRONT NON-DRIVING {Meritor MFS-14-143A} Wide Track, I-Beam Type, 14,000-lb Capacity
3AGU	SUSPENSION, FRONT, SPRING Multileaf, Shackle Type, 14,000-lb Capacity, for Reduced Deflection Vocational Use, with Shock Absorbers
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 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System
4EBT	AIR DRYER {Bendix AD-IP} with Heater
4EVH	BRAKE CHAMBERS, REAR AXLE {MGM TR3030LP3TSHD} 30/30 SqIn Spring Brake
4EXP	BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn
4GBM	BRAKE, PARKING Manual Push-Pull Pneumatic Parking Brake
4LAA	SLACK ADJUSTERS, FRONT {Haldex} Automatic
4LGA	SLACK ADJUSTERS, REAR {Haldex} Automatic
4LGR	SLACK ADJUSTER PINS Stainless Steel Slack Adjuster Pins/Cotter Pins on Front and Rear
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM
4VDU	AIR TANK LOCATION (2) Mounted Left Side BOC Under Battery Box
4VKC	AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab
4WBX	DUST SHIELDS, FRONT BRAKE for Air Cam Brakes
4WDA	DRAIN VALVE (3) Petcocks, for Air Tanks
4WDM	DUST SHIELDS, REAR BRAKE for Air Cam Brakes
4XDP	BRAKES, FRONT {Meritor 16.5X5 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 5", 14,700-lb Capacity

<u>Code</u>	<u>Description</u>
4XDR	BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricate. Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle
5710	STEERING COLUMN Tilting and Telescoping
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black
5PSA	STEERING GEAR {Sheppard M100} Power
6DGG	DRIVELINE SYSTEM {Dana Spicer} 1710, for 4x2/6x2
7BEV	AFTERTREATMENT COVER Steel, Black
7BLV	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment  <u>Includes</u> : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : 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 : 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
8541	HORN, ELECTRIC (2) Disc Style
8GXD	ALTERNATOR {Leece-Neve AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense
8HAE	BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
8HAH	ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket
8MSG	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud
8REA	2-WAY RADIO Wiring Effects; Wiring with 20 Amp Fuse Protection, Includes Ignition Wire with 5 Amp Fuse, Wire Ends Heat Shrink and 10' Coil Taped to Base Harness
8RMZ	SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars
8RPR	ANTENNA for Increased Roof Clearance Applications
8RPS	RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input
8THJ	AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications
8TKK	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; with 30 Amp Fuse and Relay, Controlled by Ignition Switch

<u>Code</u>	<u>Description</u>
8WDB	BATTERY BOX Steel, with Plastic Cover, 30" Wide, 2-4 Battery Capacity, Mounted Left Side Back of Fuel Tank
8WDG	BACK-UP ALARM {Preco 1059} Electronic; Solid State, Dual Function, 112 dBA
8WGL	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights
8WRB	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt, Less Thermal Over-Crank Protection
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8WXD	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, with Ignition "OFF" and any Door Opened
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8XGT	TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender
8XHN	HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord
8XHR	POWER SOURCE, ADDITIONAL Auxiliary Power Outlet (APO) with USB Port, Located in the Instrument Panel
8XNY	HEADLIGHTS Halogen
9AAB	LOGOS EXTERIOR Model Badges
9AAE	LOGOS EXTERIOR, ENGINE Badges
9ANG	HOOD, HATCH (01) for Servicing
9HAN	INSULATION, UNDER HOOD for Sound Abatement
9HBM	GRILLE Stationary, Chrome
9HBN	INSULATION, SPLASH PANELS for Sound Abatement
9WBC	FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100  <u>Includes</u> : PAINT SCHEMATIC ID LETTERS "WK"
10632	PAINT IDENTITY, PT-2 Single Color, Instruction No. 932. Wheels
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
10769	PAINT CLASS Premium Color
10AGB	COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Five Year Data Plan and International 360
10BAE	LABEL, DEF "DEF ONLY"

<u>Code</u>	<u>Description</u>
10SLV	PROMOTIONAL PACKAGE Government Silver Package
10WCY	SAFETY TRIANGLES
10WKN	KEYS - ALL ALIKE, ID I-1624 Compatible with Z-250
10XAN	FIRE EXTINGUISHER 5 lb Class A B C
10XAP	FIRE EXTINGUISHER BRACKET Mounted Left Side Driver Seat
11001	CLUTCH Omit Item (Clutch & Control)
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12849	BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines <u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12851	PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted
12ESL	ENGINE, DIESEL {Cummins L9 300} EPA 2021, 300HP @ 2200 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 300 Peak HP (Max)
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed <u>Includes</u> : FAN Nylon
12UWZ	RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler, Includes In-Tank Oil 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
12VBC	AIR CLEANER Single Element
12VJH	EMISSION, CALENDAR YEAR {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2023
12VXU	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel
12VYL	ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer Use
12WCG	HOSE CLAMPS, RADIATOR HOSES {R.G. Ray Mini Flex Seal} Coil Spring/"T"-Bolt Constant Torque Type, for Radiator Hoses over 1" I.D.
12WZE	CARB IDLE COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations
12XBM	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls and Starter Lockout, with Ignition Switch Control, for Cummins B6.7 and L9 Engines
12XCS	CARB EMISSION WARR COMPLIANCE Federal, Does Not Comply with CARB Emission Warranty

<u>Code</u>	<u>Description</u>
13BDM	TRANSMISSION, AUTOMATIC {Allison 3500 RDS} 6th Generation Controls, Wide Ratio, 5-Speed with Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223
13WVV	NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released
13WYH	TRANSMISSION TCM LOCATION Located Inside Cab
13WYU	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming
13XAM	PTO LOCATION Dual, Customer Intends to Install PTO at Left and/or Right Side of Transmission
14051	AXLE, REAR, SINGLE {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, 200 Wheel Ends . Gear Ratio: 4.89
14VAH	SUSPENSION, REAR, SINGLE 23,500-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs
15LNS	FUEL/WATER SEPARATOR {Racor 400 Series} 12 VDC Electric Heater, Includes Pre-Heater, with Primer Pump, Includes Water-in-Fuel Sensor, Mounted on Engine
15SRE	FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 19" Tank Depth, 50 US Gal (189L), Mounted Left Side, Under Cab
15WDG	DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab
16196	CAB Conventional 6-Man Crew Cab
16BAM	AIR CONDITIONER with Integral Heater and Defroster
16GED	GAUGE CLUSTER Base Level; English with English Electronic Speedometer  <u>Includes</u> : GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for : GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure : WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)
16GHV	GRAB HANDLE, CAB INTERIOR (4) Safety Yellow, Crew Cab
16HGH	GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission
16HHE	GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} with Black Bezel, Mounted in Instrument Panel
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JNT	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

<u>Code</u>	<u>Description</u>
16RPV	SEAT, PASSENGER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Adjust
16SED	GRAB HANDLE, EXTERIOR (2) Black, Aluminum, for Cab Entry Mounted Left and Right Side at B-Pillar
16SET	GRAB HANDLE, ADDITIONAL EXT (2) Black Anodized Aluminum, Mounted Left and Right Side, Rear of Rear Doors, for Crew Cab
16SJX	MIRROR, CONVEX, HOOD MOUNTED {Lang Mekra} (2), Right and Left Sides, Bright, Heated, 7.5" Sq.
16SMT	SEAT, REAR {National} BENCH; Full Width; Vinyl, with Fixed Back and Two Integral Outboard Headrests
16SNR	MIRRORS (2) C-Loop, Power Adjust, Heated, LED Clearance Lights, Bright Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width
	<u>Notes</u> : Mirror Dimensions are Rounded to the Nearest 0.5"
16VCB	SEAT BELT All Orange; 4 to 6
16VKD	CAB INTERIOR TRIM Classic, for Crew Cab
	<u>Includes</u> : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted : SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap
16VLV	MONITOR, TIRE PRESSURE Omit
16WBY	ARM REST, RIGHT, DRIVER SEAT
16WHJ	HOSE CLAMPS, HEATER HOSE {Breeze} Belleville Washer Type
16WJV	WINDOW, POWER (4) And Power Door Locks, Front and Rear Doors, Left and Right, Includes Express Down Feature
16WSK	CAB REAR SUSPENSION Air Bag Type
16XJN	INSTRUMENT PANEL Flat Panel
16ZHY	ACCESS, CAB Aluminum, Self-Cleaning, Open and Serrated Design, Driver & Passenger Sides, Two Steps per Door, for use with Crew Cab
27DUK	WHEELS, FRONT {Accuride 29169} DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs
28DUK	WHEELS, REAR {Accuride 29169} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs
29WAP	WHEEL GUARDS, FRONT {Accuride} for Metric Hub Piloted Wheels with Flanged Mounting Nuts Mounted Between Hub and Wheel
29WAR	WHEEL GUARDS, REAR {Accuride} for Metric Hub Piloted Wheels with Flanged Mounting Nuts, Mounted Between Hub & Wheel and Between Dual Wheels

**INTERNATIONAL®**

Vehicle Specifications  
2024 HV507 SFA (HV507)

<u>Code</u>	<u>Description</u>
60AAG	BDY INTG, REMOTE POWER MODULE Mounted Inside Cab Behind Driver Seat, Up to 6 Outputs & 6 Inputs, Max 20 amp per Channel, Max 80 amp Total; Includes 1 Switch Pack with Latched Switches
7382138132	(2) TIRE, FRONT 11R22.5 Load Range H ENDURANCE RSA (GOODYEAR), 496 rev/mile, 75 MPH, All-Position
7382138137	(4) TIRE, REAR 11R22.5 Load Range H FUEL MAX RTD (GOODYEAR), 495 rev/mile, 75 MPH, Drive

**Total of Product Features**

**Services Section:**

40128	WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A
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**Total of Service Features**

**Total List Price Including Options:**

Body/Allied Equipment

Code Description

Goods Purchased

Code Description



**(US DOLLAR)**

**Description**

Factory List Prices:  
 Product Items  
 Service Items  
 Total Factory List Price Including Options:  
 Dealer: NY Inspection  
 Dealer: Additional fuel  
 Dealer: Special handling  
 TSC 112559B L08: 1371 - Comfort clips; Day cab  
 TSC 112559B L09: 1584 - Comfort clips; Crew cab  
 Dealer: Delivery  
 TSC 112559B L01: 1393 - Radiator  
 Petcock - small radiator  
 TSC 112559B L02: 1341 - Thermostatically controlled block heater  
 TSC 112559B L03: 2184 - Speedo  
 Signal Wire from Allison Xmsn  
 TSC 112559B L04: 508 - Schrader Valve With Air Ride Seat  
 TSC 112559B L05: 1369 - 5LB Fire Extinguisher Air Ride Seat (STSC)  
 TSC 112559B L06: 1370 - Visual Inspection  
 TSC 112559B L07: 512 - Diesel Fuel Only Decal  
 TSC 112559B L10: 1 - Misc. Handling per unit  
 TSC new quote inflation factor estimate  
 Total Preparation And Delivery:  
 Freight  
 Total Freight:  
 Total Factory List Price Including Freight:  
 Total Vehicle Price:  
 Total Sale Price:  
 Total Per Vehicle Sales Price:  
 Net Sales Price:

**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**