

# International Standard Features

## Bid Invitation #HT06-16

The following descriptions are the standard features, as pulled from the International dealer quote system price book. Offeror shall price these complete trucks in their entirety, on Form-D, reflecting the entire complement of the base vehicle specification's standard features listed herein, as well as all normal dealer make-ready and factory-to-dealer destination charges. Except as ordered by an H-GAC member (e.g. axle upgrade, longer wheelbase, et cetera), the base units described herein and priced on Form-D shall not require any additional compulsory components, fees, or services to render them complete, functional, and legal cab-chassis. All Form-D line items shall be priced inclusive of air conditioning.

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### **H-GAC Product Code: F1** **DuraStar 4300, Conv. Cab, SBFA, 4x2 (MA025)**

#### **Model Profile**

##### **2017 4300 SBA 4X2 (MA025)**

**MISSION:** Requested GVWR: 23500. Calc. GVWR: 23500

**DIMENSION:** Wheelbase: 152.00, CA: 84.90, Axle to Frame: 31.00

**ENGINE, DIESEL:** {Cummins ISB 200} EPA 2010, 200 HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 200 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FS-5406N} 6-Speed Manual; Fully Synchronized, Short Shift Stroke

**CLUTCH:** {Eaton Fuller SAS1401} Single Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 8-Spring Coaxial Free Travel Damper, Mechanical Pull-Type Control, With Kwik-Adjust(Manual) Feature; 620 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-08-153B} I-Beam Type, 8,000-lb Capacity

**AXLE, REAR, SINGLE:** {Meritor MS-17-14X-3DFL} Single Reduction, 15,500-lb Capacity, With 190 Wheel Ends Gear Ratio: 3.42

**CAB:** Conventional

**TIRE, FRONT:** (2) 245/75R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range G, 14 ply

**TIRE, REAR:** (4) 245/75R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range G, 14 ply

**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 15,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring

**PAINT:** Cab schematic 100GA

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

#### **Code Description**

MA02500 Base Chassis, Model 4300 SBA 4X2 with 152.00 Wheelbase, 84.90 CA, and 31.00 Axle to Frame.

1CAC FRAME RAILS High Strength Low Alloy Steel (50,000 PSI Yield); 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm); 480.1" (12195mm) Maximum OAL

1LLD BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WEH WHEELBASE RANGE 134" (340cm) Through and Including 197" (500cm)

2ATK AXLE, FRONT NON-DRIVING {Meritor MFS-08-153B} I-Beam Type, 8,000-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.

3ADA SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 8,000-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.

4085 BRAKE SYSTEM, HYDRAULIC {Meritor Wabco} Split System, Full Power, With Automatic Adjustment And With Four Channel ABS

4GAR BRAKE, PARKING {Bosch} DSSA Type, 12" x 3"; for Hydraulic Brake Chassis; Activated by Lever in Cab; Differential Mounted

Includes

: PARKING BRAKE CONTROL Lever, Floor Mounted, Located Right of Driver

4JNP BRAKES, FRONT, HYDRAULIC DISC Quadraulic; four 70mm Diameter Pistons

4NNL BRAKES, REAR, HYDRAULIC DISC Quadraulic; four 70mm Diameter Pistons

4SPK AIR COMPRESSOR {Cummins} 18.7 CFM Capacity, with Tank for Air Source on Hydraulic Chassis, without Gauge

5AAA STEERING COLUMN Stationary  
 5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black  
 5PRG STEERING GEAR {TRW (Ross) TAS-40} Power  
 7BEM EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;  
 Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab  
 8000 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  
 : 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  
**Code Description**  
 : 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  
 8GXD ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense  
 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  
 8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total  
 8VAY HORN, ELECTRIC Disc Style  
 8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection  
 8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm  
 8WZK HEADLIGHTS Halogen; Composite Aero Design for Two Light System  
 9HAD GRILLE Chrome  
 9WAY FRONT END Tilting, Fiberglass, With Three Piece Construction  
 10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100  
 Includes  
 : PAINT SCHEMATIC ID LETTERS "GA"  
 10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone  
 11LEG CLUTCH {Eaton Fuller SAS1401} Single Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 8-Spring Coaxial Free Travel Damper, Mechanical Pull-Type Control, With Kwik-Adjust(Manual) Feature; 620 lb-ft Torque Capacity  
 Includes  
 : CLUTCH RELEASE BEARING Greasable  
 12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection  
 12EEP ENGINE, DIESEL {Cummins ISB 200} EPA 2010, 200 HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 200 Peak HP (Max)  
 12TSY FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On  
 Includes  
 : FAN Nylon  
 12UPB FEDERAL EMISSIONS {Cummins ISB} EPA, OBD and GHG Certified for Calendar Year 2016  
 12UYB RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, With 313 SqIn Charge Air Cooler  
 Includes  
 : DEAERATION SYSTEM with Surge Tank  
 : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps  
 : RADIATOR HOSES Premium, Rubber  
 12VBR AIR CLEANER With Service Protection Element  
**Code Description**  
 Includes  
 : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted  
 12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel  
 12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control  
 12WPV OIL PAN 15 Quart Capacity, For Cummins ISB Engines  
 12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations  
 13GNG TRANSMISSION, MANUAL {Fuller FS-5406N} 6-Speed Manual; Fully Synchronized, Short Shift Stroke

Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

14APJ AXLE, REAR, SINGLE {Meritor MS-17-14X-3DFL} Single Reduction, 15,500-lb Capacity, With 190 Wheel Ends . Gear Ratio: 3.42

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

14VAC SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 15,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring

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.

15LMR FUEL/WATER SEPARATOR {Racor 400 Series,} Unheated, with Primer Pump, and WIF Sensor

15LMU LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail 8" Back of Cab

15SWU FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 40 U.S. Gal., 151 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

15WDG DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab

16030 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

16400 SEAT, PASSENGER Omit Item

16HBA GAUGE CLUSTER English With English Electronic Speedometer

Includes

: GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter

#### **Code Description**

: 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)

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16HLJ GAUGE, DEF FLUID LEVEL

16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back

16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

16WRX CAB INTERIOR TRIM Deluxe

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

: 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

27DNS WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs.

Includes

: PAINT IDENTITY, FRONT WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5  
28DNS WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs

Includes

: PAINT IDENTITY, REAR WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5  
7702608107 (2) TIRE, FRONT 245/75R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range G, 14 ply  
7702608107 (4) TIRE, REAR 245/75R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range G, 14 ply

**Code Description**

40116 WARRANTY Standard for Durastar 1000/4000 Series, Effective with Vehicles Built January 2, 2015 or Later, CTS-2475P

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**H-GAC Product Code: F2**  
**DuraStar 4400, Conv. Cab, SBFA, 4x2 (MA035)**

**Model Profile**

**2017 4400 SBA 4X2 (MA035)**

**MISSION:** Requested GVWR: 25500. Calc. GVWR: 25500

**DIMENSION:** Wheelbase: 152.00, CA: 84.90, Axle to Frame: 63.00

**ENGINE, DIESEL:** {Navistar N9} EPA 2010, SCR, 275 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 275 Peak HP (MAX)

**TRANSMISSION, MANUAL:** {Fuller FSO-8406A} 6-Speed Manual; Fully Synchronized, Short Shift Stroke, With Overdrive

**CLUTCH:** {Eaton Fuller Solo 1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and Adjustment Free, 860 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-08-153B} I-Beam Type, 8,000-lb Capacity

**AXLE, REAR, SINGLE:** {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends Gear Ratio: 4.33

**CAB:** Conventional

**TIRE, FRONT:** (2) 265/75R22.5 G661 HSA (GOODYEAR) 539 rev/mile, load range G, 14 ply

**TIRE, REAR:** (4) 245/75R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range G, 14 ply

**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 18,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring

**PAINT:** Cab schematic 100GA

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

MA03500 Base Chassis, Model 4400 SBA 4X2 with 152.00 Wheelbase, 84.90 CA, and 63.00 Axle to Frame.

1CAC FRAME RAILS High Strength Low Alloy Steel (50,000 PSI Yield); 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm); 480.1" (12195mm) Maximum OAL

1LLD BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WEH WHEELBASE RANGE 134" (340cm) Through and Including 197" (500cm)

2ATK AXLE, FRONT NON-DRIVING {Meritor MFS-08-153B} I-Beam Type, 8,000-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.

3ADA SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 8,000-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.

4085 BRAKE SYSTEM, HYDRAULIC {Meritor Wabco} Split System, Full Power, With Automatic Adjustment And With Four Channel ABS

4GAR BRAKE, PARKING {Bosch} DSSA Type, 12" x 3"; for Hydraulic Brake Chassis; Activated by Lever in Cab; Differential Mounted

Includes

: PARKING BRAKE CONTROL Lever, Floor Mounted, Located Right of Driver

4JNP BRAKES, FRONT, HYDRAULIC DISC Quadraulic; four 70mm Diameter Pistons

4NNL BRAKES, REAR, HYDRAULIC DISC Quadraulic; four 70mm Diameter Pistons

4SBL AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity; and Tank for Air Source on Hydraulic Chassis

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PRU STEERING GEAR {TRW (Ross) THP45} Power

7BEM EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;

Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

8000 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

: 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

### Code Description

: 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  
8GXD ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense  
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  
8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total  
8VAY HORN, ELECTRIC Disc Style  
8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection  
8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm  
8WZK HEADLIGHTS Halogen; Composite Aero Design for Two Light System  
9HAD GRILLE Chrome  
9WAY FRONT END Tilting, Fiberglass, With Three Piece Construction  
10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100  
Includes  
: PAINT SCHEMATIC ID LETTERS "GA"  
10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone  
10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California  
11LEV CLUTCH {Eaton Fuller Solo 1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and Adjustment Free, 860 lb-ft Torque Capacity  
Includes  
: CLUTCH RELEASE BEARING Greasable  
12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection  
12NWK ENGINE, DIESEL {Navistar N9} EPA 2010, SCR, 275 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 275 Peak HP (MAX)  
Includes  
: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)  
: 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  
Includes

### Code Description

: FAN Nylon

## Notes

: Recommend Code 12THT when using front mount obstructions (winches, cones, reels, etc.) that restrict air flow through the radiator.  
12UAV RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 1045 SqIn Louvered, With 373 SqIn CAC  
12UPA FEDERAL EMISSIONS {Navistar N9 & N10} EPA, OBD and GHG Certified for Calendar Year 2016  
12VBR AIR CLEANER With Service Protection Element  
Includes  
: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted  
12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel  
12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control  
12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations  
13GMJ TRANSMISSION, MANUAL {Fuller FSO-8406A} 6-Speed Manual; Fully Synchronized, Short Shift Stroke, With Overdrive  
Includes  
: CLUTCH BRAKE Torque Limiting  
: FILL PLUG, MAGNETIC  
14ANP AXLE, REAR, SINGLE {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends . Gear Ratio: 4.33  
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  
14VAD SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 18,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring  
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.  
15SWU FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 40 U.S. Gal., 151 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab  
15WDG DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab  
16030 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  
16400 SEAT, PASSENGER Omit Item  
**Code Description**  
16HBA 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)  
16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster  
16HLJ GAUGE, DEF FLUID LEVEL  
16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back  
16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing  
16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster  
Includes  
: HEATER HOSES Premium  
: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps  
: REFRIGERANT Hydrofluorocarbon HFC-134A  
16WJS INSTRUMENT PANEL Center Section, Flat Panel  
16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door  
16WRX CAB INTERIOR TRIM Deluxe  
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  
: 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  
27DNS WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs.  
Includes  
: PAINT IDENTITY, FRONT WHEELS White  
Notes  
: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5  
28DNS WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs  
Includes  
: PAINT IDENTITY, REAR WHEELS White

Notes

**Code Description**

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

7702608107 (4) TIRE, REAR 245/75R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range G, 14 ply  
7702618107 (2) TIRE, FRONT 265/75R22.5 G661 HSA (GOODYEAR) 539 rev/mile, load range G, 14 ply

**Services Section:**

40116 WARRANTY Standard for Durastar 1000/4000 Series, Effective with Vehicles Built January 2, 2015 or Later,

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**H-GAC Product Code: F3**  
**Durastar 4400, Conv. Cab, SBFA, 6X4 (MF035)**

**Model Profile**

**2017 4400 SBA 6X4 (MF035)**

**MISSION:** Requested GVWR: 52000. Calc. GVWR: 43350

**DIMENSION:** Wheelbase: 165.00, CA: 97.90, Axle to Frame: 65.00

**ENGINE, DIESEL:** {Navistar N9} EPA 2010, SCR, 275 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 275 Peak HP (MAX)

**TRANSMISSION, MANUAL:** {Fuller FSO-8406A} 6-Speed Manual; Fully Synchronized, Short Shift Stroke, With Overdrive

**CLUTCH:** {Eaton Fuller Solo 1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and Adjustment Free, 860 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-10-143A} Wide Track, I-Beam Type, 10,000-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends Gear Ratio: 4.11

**CAB:** Conventional

**TIRE, FRONT:** (2) 245/75R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 245/75R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {International} 4-Spring Type, Multileaf 52" Axle Spacing; 34,000-lb Capacity

**PAINT:** Cab schematic 100GA

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

MF03500 Base Chassis, Model 4400 SBA 6X4 with 165.00 Wheelbase, 97.90 CA, and 65.00 Axle to Frame.

1CAE 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

1LLD BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WEM WHEELBASE RANGE 152" (385cm) Through and Including 169" (430cm)

2ARX AXLE, FRONT NON-DRIVING {Meritor MFS-10-143A} Wide Track, 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.

3ADB 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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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

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

4EXP BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4JCJ BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

Notes

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

4NDB 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.

4SBC AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity

## 5AAA STEERING COLUMN Stationary

### Code Description

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSM STEERING GEAR {Sheppard HD94} Power

7BEP EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;

Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab

8000 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

: 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

8GXD ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

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

8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total

8VAY HORN, ELECTRIC Disc Style

8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm

8WZK HEADLIGHTS Halogen; Composite Aero Design for Two Light System

9HAD GRILLE Chrome

9WAY FRONT END Tilting, Fiberglass, With Three Piece Construction

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "GA"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California

11LEV CLUTCH {Eaton Fuller Solo 1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate

Damper, With 1.75" Spline, Mechanical Pull Type Control and Adjustment Free, 860 lb-ft Torque Capacity

Includes

: CLUTCH RELEASE BEARING Greasable

### Code Description

12NWK ENGINE, DIESEL {Navistar N9} EPA 2010, SCR, 275 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200

RPM Governed Speed, 275 Peak HP (MAX)

Includes

: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)

: 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

Includes

: FAN Nylon

Notes

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

12UAV RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 1045 SqIn Louvered, With 373 SqIn CAC

12UPA FEDERAL EMISSIONS {Navistar N9 & N10} EPA, OBD and GHG Certified for Calendar Year 2016

12VBR AIR CLEANER With Service Protection Element

Includes

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control

12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations

13GMJ TRANSMISSION, MANUAL {Fuller FSO-8406A} 6-Speed Manual; Fully Synchronized, Short Shift Stroke, With Overdrive

Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

14670 SUSPENSION, REAR, TANDEM {International} 4-Spring Type, Multileaf 52" Axle Spacing; 34,000-lb Capacity

Includes

: CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone

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.

14GVY AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends . Gear Ratio: 4.11

Includes

: POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light

: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem Rear Axle

### **Code Description**

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.

15SGJ FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 50 U.S. Gal., 189 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

15WDH DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Back of Cab

16030 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

16400 SEAT, PASSENGER Omit Item

16HBA 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)

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16HLJ GAUGE, DEF FLUID LEVEL

16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back

16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1"

Integral Convex Both Sides, 102" Inside Spacing

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

16WRX CAB INTERIOR TRIM Deluxe

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

: CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket

: DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors

**Code Description**

: 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

27DNS WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs.

Includes

: PAINT IDENTITY, FRONT WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

28DNS WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs

Includes

: PAINT IDENTITY, REAR WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

7702608107 (2) TIRE, FRONT 245/75R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range G, 14 ply

7702608107 (8) TIRE, REAR 245/75R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range G, 14 ply

**Services Section:**

40116 WARRANTY Standard for Durastar 1000/4000 Series, Effective with Vehicles Built January 2, 2015 or Later, CTS-2475P

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**H-GAC Product Code: F4**  
**WorkStar 7300, Conv. Cab, SBFA, 4x2 (SA615)**

**Model Profile**

**2017 7300 SBA 4X2 (SA615)**

**MISSION:** Requested GVWR: 25500. Calc. GVWR: 27500

**DIMENSION:** Wheelbase: 217.00, CA: 149.90, Axle to Frame: 96.00

**ENGINE, DIESEL:** {Cummins ISB 200} EPA 2010, 200 HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 200 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FS-5406N} 6-Speed Manual; Fully Synchronized, Short Shift Stroke

**CLUTCH:** {Eaton Fuller SAS1401} Single Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 8-Spring Coaxial Free Travel Damper, Mechanical Pull-Type Control, With Kwik-Adjust(Manual) Feature; 620 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-10-143A} Wide Track, I-Beam Type, 10,000-lb Capacity

**AXLE, REAR, SINGLE:** {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends Gear Ratio: 3.70

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**TIRE, REAR:** (4) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 18,500-lb Capacity

**PAINT:** Cab schematic 100GN

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

SA61500 Base Chassis, Model 7300 SBA 4X2 with 217.00 Wheelbase, 149.90 CA, and 96.00 Axle to Frame.

1CAD FRAME RAILS High Strength Low Alloy Steel (80,000 PSI Yield); 10.250" x 3.092" x 0.375" (260.4mm x 78.5mm x 9.5mm); 427.0" (10846mm) Maximum OAL

1LLA BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1SAL CROSSMEMBER, REAR, AF (1)

1WGS WHEELBASE RANGE 189" (480cm) Through and Including 256" (650cm)

2ARX AXLE, FRONT NON-DRIVING {Meritor MFS-10-143A} Wide Track, 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.

3ADB 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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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

: 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.

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank

Includes

: DRAIN VALVE Mounted in Wet Tank

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

4EXP BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 Sqn

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4JCG BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; 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.

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension;

Brake System; Brakes, Front Air Cam; Wheels; Tires.

**Code Description**

4NDB 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 Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.

4SPA AIR COMPRESSOR {Cummins} 18.7 CFM Capacity

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

7BJY EXHAUST SYSTEM Inline, Horizontal Aftertreatment Device Frame Mounted Right Side, Includes Short Horizontal Tail Pipe

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

**Includes**

: 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, Round, with Chrome Plated Bezels

: 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**

: 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

8GXD ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total

8VAY HORN, ELECTRIC Disc Style

8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm

8XGJ BATTERY BOX Steel with Plastic Cover, 30" Wide, 2, 3 or 4 Battery Capacity, Mounted Left Side Under Cab

8XGT TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

9HBM GRILLE Stationary, Chrome

9WBC FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 & 2010 Emissions

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

**Includes**

: PAINT SCHEMATIC ID LETTERS "GN"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

**Code Description**

11LEG CLUTCH {Eaton Fuller SAS1401} Single Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 8-Spring Coaxial Free Travel Damper, Mechanical Pull-Type Control, With Kwik-Adjust(Manual) Feature; 620 lb-ft Torque Capacity

**Includes**

: CLUTCH RELEASE BEARING Greasable

12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection

12EEP ENGINE, DIESEL {Cummins ISB 200} EPA 2010, 200 HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 200 Peak HP (Max)

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

**Includes**

: FAN Nylon

12UPB FEDERAL EMISSIONS {Cummins ISB} EPA, OBD and GHG Certified for Calendar Year 2016

12UWY RADIATOR Cross Flow, Series System; 1228 SqIn Aluminum Radiator Core and 1167 SqIn Charge Air Cooler

**Includes**

: 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

**Includes**

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on

#### Steering Wheel

12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control

12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations

13GNG TRANSMISSION, MANUAL {Fuller FS-5406N} 6-Speed Manual; Fully Synchronized, Short Shift Stroke

Includes

: FILL PLUG, MAGNETIC

14ANP AXLE, REAR, SINGLE {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel

Ends . Gear Ratio: 3.70

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.

14SAH SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 18,500-lb Capacity

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.

15LMA LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail 15" Back of Cab

15LMR FUEL/WATER SEPARATOR {Racor 400 Series,} Unheated, with Primer Pump, and WIF Sensor

15SGK FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 50 U.S. Gal., 189 L Capacity, with Quick Connect Outlet, Mounted Right Side, Under Cab

15WDH DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Back of Cab

#### Code Description

16030 CAB Conventional

Includes

: ARM REST (2) Molded Plastic; One Each Door

: 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

16400 SEAT, PASSENGER Omit Item

16HBA GAUGE CLUSTER English With English Electronic Speedometer

Includes

: 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)

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16HLJ GAUGE, DEF FLUID LEVEL

16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back

16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1"

Integral Convex Both Sides, 102" Inside Spacing

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

16WKY HVAC FRESH AIR FILTER

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

16WRX CAB INTERIOR TRIM Deluxe

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

: 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

#### Code Description

27DNS WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs.

Includes

: PAINT IDENTITY, FRONT WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

28DNS WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs

Includes

: PAINT IDENTITY, REAR WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

7372138107 (2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

7372138107 (4) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**Services Section:**

40115 WARRANTY Standard for WorkStar 7300/7400 (4x2, 4x4, 6x4, 6x6), Effective with Vehicles Built January 2, 2015 or Later, CTS-2002U

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**H-GAC Product Code: F5**  
**WorkStar 7300, Conv. Cab, SFFA, 4x4 (SR515)**

**Model Profile**

**2017 7300 SFA 4X4 (SR515)**

**MISSION:** Requested GVWR: 25500. Calc. GVWR: 27500

**DIMENSION:** Wheelbase: 183.00, CA: 108.00, Axle to Frame: 63.00

**ENGINE, DIESEL:** {Cummins ISB 200} EPA 2010, 200 HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 200 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FS-5406N} 6-Speed Manual; Fully Synchronized, Short Shift Stroke

**CLUTCH:** {Eaton Fuller SAS1401} Single Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 8-Spring Coaxial Free Travel Damper, Mechanical Pull-Type Control, With Kwik-Adjust(Manual) Feature; 620 lb-ft Torque Capacity

**AXLE, FRONT DRIVING:** {Fabco FSD-10A} Single Reduction, 10,000 lb Capacity

**AXLE, REAR, SINGLE:** {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends Gear Ratio: 4.88

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**TIRE, REAR:** (4) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 18,500-lb Capacity

**PAINT:** Cab schematic 100GM

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

SR51500 Base Chassis, Model 7300 SFA 4X4 with 183.00 Wheelbase, 108.00 CA, and 63.00 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

1LLA BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WGG WHEELBASE RANGE 181" (460cm) Through and Including 205" (520cm)

2EZJ AXLE, FRONT DRIVING {Fabco FSD-10A} Single Reduction, 10,000 lb Capacity

Notes

: Axle Lead Time is 60 Days

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

3ADB 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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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 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

: 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.

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank

Includes

: DRAIN VALVE Mounted in Wet Tank

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

4ETD BRAKE CHAMBERS, FRONT AXLE {MGM} 20 SqIn

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4JCJ BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension;

Brake System; Brakes, Front Air Cam; Wheels; Tires.

**Code Description**

4NDB 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 Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.

4SPA AIR COMPRESSOR {Cummins} 18.7 CFM Capacity

4WEV BRAKE PACKAGE, REAR {Bendix Spicer ES-165-7} Air, Cam Type, Extended Service; Size 16.5" x 7", Includes Gunitite Slack Adjusters

4WEX BRAKE PACKAGE, FRONT {Bendix Spicer ES-165-5} Air, Cam Type, Extended Service; Size 16.5" x 5", Includes Gunitite Slack Adjusters

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

7BKD EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab Outside of Frame Rail; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab, for All-Wheel Drive or Applications Requiring Exhaust Mounted Outside of Frame Rail

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

**Includes**

: 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, Round, with Chrome Plated Bezels

: 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**

: 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

8GXD ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total

8VAY HORN, ELECTRIC Disc Style

8WEJ BATTERY BOX Steel, With Fiberglass Cover, 35" Back of Cab, Mounted Left Side Perpendicular to Frame Rail

8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm

8XGT TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

9585 FENDER EXTENSIONS Rubber

**Code Description**

9HBM GRILLE Stationary, Chrome

9WBC FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 & 2010 Emissions

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

**Includes**

: PAINT SCHEMATIC ID LETTERS "GM"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

11LEG CLUTCH {Eaton Fuller SAS1401} Single Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 8-Spring Coaxial Free Travel Damper, Mechanical Pull-Type Control, With Kwik-Adjust(Manual) Feature; 620 lb-ft

Torque Capacity

**Includes**

: CLUTCH RELEASE BEARING Greasable

12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection

12EEP ENGINE, DIESEL {Cummins ISB 200} EPA 2010, 200 HP @ 2400 RPM, 520 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 200 Peak HP (Max)

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

**Includes**

: FAN Nylon

12UPB FEDERAL EMISSIONS {Cummins ISB} EPA, OBD and GHG Certified for Calendar Year 2016

12UWY RADIATOR Cross Flow, Series System; 1228 SqIn Aluminum Radiator Core and 1167 SqIn Charge Air Cooler

**Includes**

: 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  
 Includes  
 : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted  
 12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel  
 12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control  
 12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations  
 13GNG TRANSMISSION, MANUAL {Fuller FS-5406N} 6-Speed Manual; Fully Synchronized, Short Shift Stroke  
 Includes  
 : FILL PLUG, MAGNETIC  
 13TKH TRANSFER CASE {Fabco TC-38} Two-Speed, 8,500 lb-ft Capacity with Air Control, With PTO Provision, With Reworked Air Ports  
 Includes  
 : LIGHT, INDIC, ALL-WHEEL DRIVE Illuminates With All Wheel Drive Engaged, Located on Instrument Panel  
 13WDB TRANSFER CASE LUBE {EmGard 50W} Synthetic; 1 thru 14.99 Pints  
 14ANP AXLE, REAR, SINGLE {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends . Gear Ratio: 4.88

#### Notes

#### Code Description

: 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.

14SAH SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 18,500-lb Capacity

#### 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.

15LMA LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail 15" Back of Cab

15LMR FUEL/WATER SEPARATOR {Racor 400 Series,} Unheated, with Primer Pump, and WIF Sensor

15SWU FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 40 U.S. Gal., 151 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

15WDG DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab

16030 CAB Conventional

#### Includes

: ARM REST (2) Molded Plastic; One Each Door

: 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

16400 SEAT, PASSENGER Omit Item

16HBA GAUGE CLUSTER English With English Electronic Speedometer

#### Includes

: 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)

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16HLJ GAUGE, DEF FLUID LEVEL

16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back

16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

#### Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

16WKY HVAC FRESH AIR FILTER

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

#### Code Description

16WRX CAB INTERIOR TRIM Deluxe

#### 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  
: 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  
27DMA WHEELS, FRONT {Accuride} 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  
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  
28DMA WHEELS, REAR {Accuride} 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  
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  
: 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.  
7372138107 (2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply  
7372138107 (4) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply  
**Services Section:**  
40115 WARRANTY Standard for WorkStar 7300/7400 (4x2, 4x4, 6x4, 6x6), Effective with Vehicles Built January 2,

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**H-GAC Product Code: F6**  
**WorkStar 7400, Conv. Cab, SBFA, 4x2 (SA625)**

**Model Profile**

**2017 7400 SBA 4X2 (SA625)**

**MISSION:** Requested GVWR: 25500. Calc. GVWR: 27500

**DIMENSION:** Wheelbase: 175.00, CA: 107.90, Axle to Frame: 63.00

**ENGINE, DIESEL:** {Navistar N9} EPA 2010, SCR, 275 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 275 Peak HP (MAX)

**TRANSMISSION, MANUAL:** {Fuller FSO-8406A} 6-Speed Manual; Fully Synchronized, Short Shift Stroke, With Overdrive

**CLUTCH:** {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and With Kwik-Adjust(Manual) Feature  
860 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-10-143A} Wide Track, I-Beam Type, 10,000-lb Capacity

**AXLE, REAR, SINGLE:** {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends Gear Ratio: 4.33

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**TIRE, REAR:** (4) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 18,500-lb Capacity

**PAINT:** Cab schematic 100GN

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

SA62500 Base Chassis, Model 7400 SBA 4X2 with 175.00 Wheelbase, 107.90 CA, and 63.00 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

1LLA BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WGR WHEELBASE RANGE 138" (350cm) Through and Including 187" (475cm)

2ARX AXLE, FRONT NON-DRIVING {Meritor MFS-10-143A} Wide Track, 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.

3ADB 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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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

: 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.

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank

Includes

: DRAIN VALVE Mounted in Wet Tank

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

4EXP BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4JCG BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; 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.

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension;

Brake System; Brakes, Front Air Cam; Wheels; Tires.

4NDB 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

#### **Code Description**

##### **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.

4SBC AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

7BEM EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;

Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

##### **Includes**

: 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, Round, with Chrome Plated Bezels

: 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**

: 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

8GXD ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total

8VAY HORN, ELECTRIC Disc Style

8VUL BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Left Side Back of Cab

8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm

8XGT TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

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 2007 & 2010 Emissions

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

##### **Includes**

: PAINT SCHEMATIC ID LETTERS "GN"

#### **Code Description**

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California

11LEY CLUTCH {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and With Kwik-Adjust(Manual) Feature 860 lb-ft

Torque Capacity

##### **Includes**

: CLUTCH RELEASE BEARING Greasable

12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection

12NWK ENGINE, DIESEL {Navistar N9} EPA 2010, SCR, 275 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 275 Peak HP (MAX)

##### **Includes**

: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)

: 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  
12THZ FAN DRIVE {Horton Drivemaster Polar Extreme} Direct Drive Type, Two Speed, With Residual Torque Device for Disengaged Fan Speed  
Includes  
: FAN Nylon  
12UCV RADIATOR Aluminum, Cross Flow, Series System; 1228 SqIn Core and 648 SqIn Charge Air Cooler  
12UPA FEDERAL EMISSIONS {Navistar N9 & N10} EPA, OBD and GHG Certified for Calendar Year 2016  
12VBC AIR CLEANER Single Element  
Includes  
: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted  
12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel  
12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control  
12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations  
13GMJ TRANSMISSION, MANUAL {Fuller FSO-8406A} 6-Speed Manual; Fully Synchronized, Short Shift Stroke, With Overdrive  
Includes  
: FILL PLUG, MAGNETIC  
14ANP AXLE, REAR, SINGLE {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends . Gear Ratio: 4.33  
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  
**Code Description**  
14SAH SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 18,500-lb Capacity  
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.  
15SWU FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 40 U.S. Gal., 151 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab  
15WDG DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab  
16030 CAB Conventional  
Includes  
: ARM REST (2) Molded Plastic; One Each Door  
: 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  
16400 SEAT, PASSENGER Omit Item  
16HBA GAUGE CLUSTER English With English Electronic Speedometer  
Includes  
: 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)  
16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster  
16HLJ GAUGE, DEF FLUID LEVEL  
16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back  
16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing  
16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster  
Includes  
: HEATER HOSES Premium  
: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps  
: REFRIGERANT Hydrofluorocarbon HFC-134A  
16WJS INSTRUMENT PANEL Center Section, Flat Panel  
16WKY HVAC FRESH AIR FILTER  
16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door  
16WRX CAB INTERIOR TRIM Deluxe  
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

**Code Description**

: 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

27DNS WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs.

Includes

: PAINT IDENTITY, FRONT WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

28DNS WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs

Includes

: PAINT IDENTITY, REAR WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

7372138107 (2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

7372138107 (4) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**Services Section:**

40115 WARRANTY Standard for WorkStar 7300/7400 (4x2, 4x4, 6x4, 6x6), Effective with Vehicles Built January 2,

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**H-GAC Product Code: F7**  
**WorkStar 7400, Conv. Cab, SFFA, 4x4 (SR525)**

**Model Profile**

**2017 7400 SFA 4X4 (SR525)**

**MISSION:** Requested GVWR: 33000. Calc. GVWR: 27500

**DIMENSION:** Wheelbase: 185.00, CA: 110.00, Axle to Frame: 39.00

**ENGINE, DIESEL:** {Navistar N9} EPA 2010, SCR, 275 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM  
Governed Speed, 275 Peak HP (MAX)

**TRANSMISSION, MANUAL:** {Fuller FSO-8406A} 6-Speed Manual; Fully Synchronized, Short Shift Stroke, With Overdrive

**CLUTCH:** {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate  
Damper, With 1.75" Spline, Mechanical Pull Type Control and With Kwik-Adjust(Manual) Feature  
860 lb-ft Torque Capacity

**AXLE, FRONT DRIVING:** {Fabco FSD-10A} Single Reduction, 10,000 lb Capacity

**AXLE, REAR, SINGLE:** {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends Gear  
Ratio: 5.13

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**TIRE, REAR:** (4) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 18,500-lb Capacity

**PAINT:** Cab schematic 100GM

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

SR52500 Base Chassis, Model 7400 SFA 4X4 with 185.00 Wheelbase, 110.00 CA, and 39.00 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

1LLA BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WGG WHEELBASE RANGE 181" (460cm) Through and Including 205" (520cm)

2EZJ AXLE, FRONT DRIVING {Fabco FSD-10A} Single Reduction, 10,000 lb Capacity

Notes

: Axle Lead Time is 60 Days

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

3ADB 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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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 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

: 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.

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank

Includes

: DRAIN VALVE Mounted in Wet Tank

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

4ETD BRAKE CHAMBERS, FRONT AXLE {MGM} 20 SqIn

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4JCJ BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension;

Brake System; Brakes, Front Air Cam; Wheels; Tires.

**Code Description**

4NDB 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 Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.

4SBC AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity

4WEV BRAKE PACKAGE, REAR {Bendix Spicer ES-165-7} Air, Cam Type, Extended Service; Size 16.5" x 7", Includes Gunite Slack Adjusters

4WEX BRAKE PACKAGE, FRONT {Bendix Spicer ES-165-5} Air, Cam Type, Extended Service; Size 16.5" x 5", Includes Gunite Slack Adjusters

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

7BKC EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Outside of Frame Rail; Includes Single Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab, for All-Wheel Drive or Applications Requiring Exhaust Mounted Outside of Frame Rail

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

**Includes**

: 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, Round, with Chrome Plated Bezels

: 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**

: 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

8GXD ALTERNATOR {Leece-Neville AV160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total

8VAY HORN, ELECTRIC Disc Style

8WEJ BATTERY BOX Steel, With Fiberglass Cover, 35" Back of Cab, Mounted Left Side Perpendicular to Frame Rail

8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm

8XGT TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

9585 FENDER EXTENSIONS Rubber

**Code Description**

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 2007 & 2010 Emissions

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

**Includes**

: PAINT SCHEMATIC ID LETTERS "GM"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California

11LEY CLUTCH {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and With Kwik-Adjust(Manual) Feature 860 lb-ft

Torque Capacity

**Includes**

: CLUTCH RELEASE BEARING Greasable

12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection

12NWK ENGINE, DIESEL {Navistar N9} EPA 2010, SCR, 275 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 275 Peak HP (MAX)

**Includes**

: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)

: 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
- 12THZ FAN DRIVE {Horton Drivemaster Polar Extreme} Direct Drive Type, Two Speed, With Residual Torque Device for Disengaged Fan Speed
- Includes
- : FAN Nylon
- 12UCV RADIATOR Aluminum, Cross Flow, Series System; 1228 SqIn Core and 648 SqIn Charge Air Cooler
- 12UPA FEDERAL EMISSIONS {Navistar N9 & N10} EPA, OBD and GHG Certified for Calendar Year 2016
- 12VBC AIR CLEANER Single Element
- Includes
- : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
- 12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
- 12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control
- 12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations
- 13GMJ TRANSMISSION, MANUAL {Fuller FSO-8406A} 6-Speed Manual; Fully Synchronized, Short Shift Stroke, With Overdrive
- Code Description**
- Includes
- : FILL PLUG, MAGNETIC
- 13TKH TRANSFER CASE {Fabco TC-38} Two-Speed, 8,500 lb-ft Capacity with Air Control, With PTO Provision, With Reworked Air Ports
- 13WDB TRANSFER CASE LUBE {EmGard 50W} Synthetic; 1 thru 14.99 Pints
- 14ANP AXLE, REAR, SINGLE {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends . Gear Ratio: 5.13
- 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.
- 14SAH SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 18,500-lb Capacity
- 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.
- 15SWU FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 40 U.S. Gal., 151 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab
- 15WDG DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab
- 16030 CAB Conventional
- Includes
- : ARM REST (2) Molded Plastic; One Each Door
- : 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
- 16400 SEAT, PASSENGER Omit Item
- 16HBA GAUGE CLUSTER English With English Electronic Speedometer
- Includes
- : 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)
- 16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- 16HLJ GAUGE, DEF FLUID LEVEL
- 16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back
- 16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing
- 16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
- Includes
- : HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

**Code Description**

: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

16WKY HVAC FRESH AIR FILTER

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

16WRX CAB INTERIOR TRIM Deluxe

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

: 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

27DMA WHEELS, FRONT {Accuride} 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

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

28DMA WHEELS, REAR {Accuride} 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

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

: 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.

7372138107 (2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

7372138107 (4) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**Services Section:**

40115 WARRANTY Standard for WorkStar 7300/7400 (4x2, 4x4, 6x4, 6x6), Effective with Vehicles Built January 2,

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**H-GAC Product Code: F8**  
**WorkStar 7400, Conv. Cab, SBFA, 6x4**

**Model Profile**

**2017 7400 SBA 6X4 (SF625)**

**MISSION:** Requested GVWR: 25500. Calc. GVWR: 46000

**DIMENSION:** Wheelbase: 195.00, CA: 127.90, Axle to Frame: 65.00

**ENGINE, DIESEL:** {Navistar N9} EPA 2010, SCR, 275 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 275 Peak HP (MAX)

**TRANSMISSION, MANUAL:** {Fuller FR-9210B} 10-Speed Manual; With Air Shift

**CLUTCH:** {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and With Kwik-Adjust(Manual) Feature  
860 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-34-14X-3DFR} Single Reduction, 0.375" (9.5mm) Wall Housing Thickness, 34,000-lb Capacity, R Wheel Ends Gear Ratio: 3.90

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {International} 4-Spring Type, Multileaf, 52" Axle Spacing; 40,000-lb Capacity

**PAINT:** Cab schematic 100GN

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

SF62500 Base Chassis, Model 7400 SBA 6X4 with 195.00 Wheelbase, 127.90 CA, and 65.00 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

1LLA BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WGX WHEELBASE RANGE 169" (430cm) Through and Including 219" (555cm)

2ARW AXLE, FRONT NON-DRIVING {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-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.

3ADC SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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

: Rear Axle is Limited to 46,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle /Suspension Ordered.

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank

Includes

: DRAIN VALVE Mounted in Wet Tank

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

4EXP BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4JCJ BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

Notes

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

4NDB 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

### Code Description

: 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.

4SBC AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

7BEM EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;

Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Includes

: 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, Round, with Chrome Plated Bezels

: 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

: 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

8GXD ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total

8VAY HORN, ELECTRIC Disc Style

8VUL BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Left Side Back of Cab

8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm

8XGT TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

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 2007 & 2010 Emissions

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "GN"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

### Code Description

10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California

11LEY CLUTCH {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and With Kwik-Adjust(Manual) Feature 860 lb-ft

Torque Capacity

Includes

: CLUTCH RELEASE BEARING Greasable

12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection

12NWK ENGINE, DIESEL {Navistar N9} EPA 2010, SCR, 275 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 275 Peak HP (MAX)

Includes

: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)

: 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

12THZ FAN DRIVE {Horton Drivemaster Polar Extreme} Direct Drive Type, Two Speed, With Residual Torque Device

for Disengaged Fan Speed

Includes

: FAN Nylon

12UCV RADIATOR Aluminum, Cross Flow, Series System; 1228 SqIn Core and 648 SqIn Charge Air Cooler

12UPA FEDERAL EMISSIONS {Navistar N9 & N10} EPA, OBD and GHG Certified for Calendar Year 2016

12VBC AIR CLEANER Single Element

Includes

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control

12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations

13GJT TRANSMISSION, MANUAL {Fuller FR-9210B} 10-Speed Manual; With Air Shift

Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

14GXC AXLE, REAR, TANDEM {Meritor MT-34-14X-3DFR} Single Reduction, 0.375" (9.5mm) Wall Housing

Thickness, 34,000-lb Capacity, R Wheel Ends . Gear Ratio: 3.90

Includes

: POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light

: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem 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.

#### **Code Description**

14UNA SUSPENSION, REAR, TANDEM {International} 4-Spring Type, Multileaf, 52" Axle Spacing; 40,000-lb Capacity

Includes

: CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone

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.

15SWU FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 40 U.S. Gal., 151 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

15WDG DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab

16030 CAB Conventional

Includes

: ARM REST (2) Molded Plastic; One Each Door

: 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

16400 SEAT, PASSENGER Omit Item

16HBA GAUGE CLUSTER English With English Electronic Speedometer

Includes

: 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)

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16HLJ GAUGE, DEF FLUID LEVEL

16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back

16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

16WKY HVAC FRESH AIR FILTER

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

16WRX CAB INTERIOR TRIM Deluxe

Includes

: "A" PILLAR COVER Molded Plastic

**Code Description**

: 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

27DMA WHEELS, FRONT {Accuride} 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

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

28DMA WHEELS, REAR {Accuride} 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

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

: 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.

7372138107 (2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

7372138107 (8) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**Services Section:**

40115 WARRANTY Standard for WorkStar 7300/7400 (4x2, 4x4, 6x4, 6x6), Effective with Vehicles Built January 2,

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**H-GAC Product Code: F9**  
**WorkStar 7500, Conv. Cab, SBFA, 4x2 (SA637)**

**Model Profile**

**2017 7500 SBA 4X2 (SA637)**

**MISSION:** Requested GVWR: 25500. Calc. GVWR: 31000

**DIMENSION:** Wheelbase: 175.00, CA: 107.90, Axle to Frame: 63.00

**ENGINE, DIESEL:** {Navistar N10} EPA 2010, SCR, 310 HP @ 2000 RPM, 1050 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 310 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 8-Spring Low Rate Damper, with 2" Spline, Mechanical Pull Type Control and with Kwik-Adjust (Manual)  
Feature, 1150 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-10-143A} Wide Track, I-Beam Type, 10,000-lb Capacity

**AXLE, REAR, SINGLE:** {Meritor RS-21-160} Single Reduction, 21,000-lb Capacity, 200 Wheel Ends Gear Ratio: 3.91

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**TIRE, REAR:** (4) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 23,500-lb Capacity

**PAINT:** Cab schematic 100GN

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

SA63700 Base Chassis, Model 7500 SBA 4X2 with 175.00 Wheelbase, 107.90 CA, and 63.00 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

1LLA BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WGR WHEELBASE RANGE 138" (350cm) Through and Including 187" (475cm)

2ARX AXLE, FRONT NON-DRIVING {Meritor MFS-10-143A} Wide Track, 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.

3ADB 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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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

: 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.

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank

Includes

: DRAIN VALVE Mounted in Wet Tank

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

4EXP BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4JCG BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; 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.

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

4NDB 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

**Code Description**

**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.

4SBC AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

7BEM EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;

Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

**Includes**

: 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, Round, with Chrome Plated Bezels

: 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**

: 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

8GXD ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total

8VAY HORN, ELECTRIC Disc Style

8VUL BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Left Side Back of Cab

8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm

8XGT TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

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 2007 & 2010 Emissions

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

**Includes**

: PAINT SCHEMATIC ID LETTERS "GN"

**Code Description**

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California

11LGN CLUTCH {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 8-Spring Low Rate Damper, with 2" Spline, Mechanical Pull Type Control and with Kwik-Adjust (Manual) Feature, 1150 lb-ft Torque Capacity

12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection

12NWG ENGINE, DIESEL {Navistar N10} EPA 2010, SCR, 310 HP @ 2000 RPM, 1050 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 310 Peak HP (Max)

**Includes**

: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)

: 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

12THZ FAN DRIVE {Horton Drivemaster Polar Extreme} Direct Drive Type, Two Speed, With Residual Torque Device for Disengaged Fan Speed

Includes

: FAN Nylon

12UCV RADIATOR Aluminum, Cross Flow, Series System; 1228 SqIn Core and 648 SqIn Charge Air Cooler

12UPA FEDERAL EMISSIONS {Navistar N9 & N10} EPA, OBD and GHG Certified for Calendar Year 2016

12VBC AIR CLEANER Single Element

Includes

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control

12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations

13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift

14ATE AXLE, REAR, SINGLE {Meritor RS-21-160} Single Reduction, 21,000-lb Capacity, 200 Wheel Ends . Gear Ratio: 3.91

Includes

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

Notes

: Axle Lead Time is 30 Days Standard, 90 Days w/no Spin Option

: 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

14SAN SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity

Notes

#### **Code Description**

: 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.

15SWU FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 40 U.S. Gal., 151 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

15WDG DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab

16030 CAB Conventional

Includes

: ARM REST (2) Molded Plastic; One Each Door

: 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

16HBA GAUGE CLUSTER English With English Electronic Speedometer

Includes

: 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)

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16HLJ GAUGE, DEF FLUID LEVEL

16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back

16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

16WKY HVAC FRESH AIR FILTER

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

16WRX CAB INTERIOR TRIM Deluxe

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

: 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

**Code Description**

: 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

27DNS WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs.

Includes

: PAINT IDENTITY, FRONT WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

28DNS WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 10-Stud (285.75MM BC) Hub Piloted, 5 Hand Hole, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs

Includes

: PAINT IDENTITY, REAR WHEELS White

Notes

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

7372138107 (2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

7372138107 (4) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**Services Section:**

40118 WARRANTY Standard for Paystar 5000, and Workstar 7500/7600, Effective with Vehicles Built January 2, 2015 or Later, CTS-2003Z

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**H-GAC Product Code: F10**  
**WorkStar 7500, Conv. Cab, SFFA, 4x4 (SR537)**

**Model Profile**

**2017 7500 SFA 4X4 (SR537)**

**MISSION:** Requested GVWR: 33000. Calc. GVWR: 33000

**DIMENSION:** Wheelbase: 195.00, CA: 120.00, Axle to Frame: 75.00

**ENGINE, DIESEL:** {Navistar N10} EPA 2010, SCR, 310 HP @ 2000 RPM, 1050 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 310 Peak HP (Max)

**TRANSMISSION, AUTOMATIC:** {Allison 3000\_HS} 5th Generation Controls; Close Ratio, 6-Speed, With Double Overdrive; Includes Oil Level Sensor, Less PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.

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

**AXLE, FRONT DRIVING:** {Meritor MX-10-120} Single Reduction, 10,000-lb Capacity

**AXLE, REAR, SINGLE:** {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, With 200 Wheel Ends Gear Ratio: 6.14

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**TIRE, REAR:** (4) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 23,500-lb Capacity

**PAINT:** Cab schematic 100GM

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

SR53700 Base Chassis, Model 7500 SFA 4X4 with 195.00 Wheelbase, 120.00 CA, and 75.00 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

1LLA BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WAC BUMPER EXTENSION, FRONT 4.0"

1WGG WHEELBASE RANGE 181" (460cm) Through and Including 205" (520cm)

2ESC AXLE, FRONT DRIVING {Meritor MX-10-120} Single Reduction, 10,000-lb Capacity

Includes

: DRAIN PLUG, DRIVING FRONT AXLE Magnetic

Notes

: Axle Lead Time is 90 Days

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

3ADB 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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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 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

: 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.

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank

Includes

: DRAIN VALVE Mounted in Wet Tank

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

4EBS AIR DRYER {Bendix AD-9} With Heater

Includes

: AIR DRYER LOCATION Outside Left Rail, Back of Cab  
4ETD BRAKE CHAMBERS, FRONT AXLE {MGM} 20 SqIn

**Code Description**

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake  
4JCJ BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers  
Notes

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

4NDB 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 Rear GAWR: Rear Axles; Rear Suspension;  
Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.

4SBC AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity

4VGG AIR DRYER LOCATION Mounted Inside Left Rail, Behind Transfer Case Mounting

4WZJ AIR TANK LOCATION (2) : One Mounted Under Each Frame Rail, Front of Rear Suspension, Parallel to Rail

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

7BKD EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab  
Outside of Frame Rail; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab, for All-Wheel  
Drive or Applications Requiring Exhaust Mounted Outside of Frame Rail

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

**Includes**

: 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, Round, with Chrome Plated Bezels

: 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**

: 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

8GXD ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With  
Remote Sense

8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total

8VAY HORN, ELECTRIC Disc Style

8VUL BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Left Side Back of  
Cab

8WML HEADLIGHTS Long Life Halogen; for Two Light System

8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

**Code Description**

8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm

8XGT TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

9585 FENDER EXTENSIONS Rubber

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 2007 & 2010 Emissions

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

**Includes**

: PAINT SCHEMATIC ID LETTERS "GM"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California

11001 CLUTCH Omit Item (Clutch & Control)

12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection

12NWG ENGINE, DIESEL {Navistar N10} EPA 2010, SCR, 310 HP @ 2000 RPM, 1050 lb-ft Torque @ 1200 RPM,  
2200 RPM Governed Speed, 310 Peak HP (Max)

**Includes**

: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)

: 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
- 12THZ FAN DRIVE {Horton Drivemaster Polar Extreme} Direct Drive Type, Two Speed, With Residual Torque Device for Disengaged Fan Speed
- Includes
- : FAN Nylon
- 12UCV RADIATOR Aluminum, Cross Flow, Series System; 1228 SqIn Core and 648 SqIn Charge Air Cooler
- 12UPA FEDERAL EMISSIONS {Navistar N9 & N10} EPA, OBD and GHG Certified for Calendar Year 2016
- 12VBC AIR CLEANER Single Element
- Includes
- : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
- 12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
- 12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control
- 12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations
- Code Description**
- 13AVE TRANSMISSION, AUTOMATIC {Allison 3000\_HS} 5th Generation Controls; Close Ratio, 6-Speed, With Double Overdrive; Includes Oil Level Sensor, Less PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.
- 13TKB TRANSFER CASE {Meritor T-4213 2} 2-Spd, 13000 lb-ft Total Capacity, With Electric Over Air Control
- Includes
- : LIGHT, INDIC, ALL-WHEEL DRIVE Illuminates With All Wheel Drive Engaged, Located on Instrument Panel
- 13WDB TRANSFER CASE LUBE {EmGard 50W} Synthetic; 1 thru 14.99 Pints
- 13WDV OIL COOLER, TRANSFER CASE Remote Mounted Back of Cab
- 13WYU SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, Performance Programming
- 14051 AXLE, REAR, SINGLE {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, With 200 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
- 14SAN SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity
- 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.
- 15SGJ FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 50 U.S. Gal., 189 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab
- 15WDG DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab
- 16030 CAB Conventional
- Includes
- : ARM REST (2) Molded Plastic; One Each Door
- : 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
- 16HBA GAUGE CLUSTER English With English Electronic Speedometer
- Includes
- : 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)
- 16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- 16HLJ GAUGE, DEF FLUID LEVEL

**Code Description**

16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back  
16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1"  
Integral Convex Both Sides, 102" Inside Spacing  
16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster  
Includes  
: HEATER HOSES Premium  
: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps  
: REFRIGERANT Hydrofluorocarbon HFC-134A  
16WJS INSTRUMENT PANEL Center Section, Flat Panel  
16WKY HVAC FRESH AIR FILTER  
16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door  
16WRX CAB INTERIOR TRIM Deluxe  
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  
: 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  
27DMA WHEELS, FRONT {Accuride} 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  
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  
28DMA WHEELS, REAR {Accuride} 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  
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  
: 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.  
7372138107 (2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply  
7372138107 (4) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply  
**Code Description**  
40118 WARRANTY Standard for Paystar 5000, and Workstar 7500/7600, Effective with Vehicles Built January 2,

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**H-GAC Product Code: F11**  
**WorkStar 7500, Conv. Cab, SBFA, 6x4 (SF637)**

**Model Profile**

**2017 7500 SBA 6X4 (SF637)**

**MISSION:** Requested GVWR: 52000. Calc. GVWR: 52000

**DIMENSION:** Wheelbase: 195.00, CA: 127.90, Axle to Frame: 75.00

**ENGINE, DIESEL:** {Navistar N10} EPA 2010, SCR, 310 HP @ 2000 RPM, 1050 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 310 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 8-Spring Low Rate Damper, with 2" Spline, Mechanical Pull Type Control and with Kwik-Adjust (Manual)  
Feature, 1150 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends Gear Ratio: 3.70

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {International} 4-Spring Type, Multileaf, 52" Axle Spacing; 40,000-lb Capacity

**PAINT:** Cab schematic 100GN

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

SF63700 Base Chassis, Model 7500 SBA 6X4 with 195.00 Wheelbase, 127.90 CA, and 75.00 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

1LLA BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WGX WHEELBASE RANGE 169" (430cm) Through and Including 219" (555cm)

2ARW AXLE, FRONT NON-DRIVING {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-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.

3ADC SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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

: Rear Axle is Limited to 46,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle /Suspension Ordered.

4732 DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank

Includes

: DRAIN VALVE Mounted in Wet Tank

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

4EXP BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4JCJ BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

Notes

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

4NDB 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

### Code Description

: 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.

4SBC AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

7BEM EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;

Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Includes

: 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, Round, with Chrome Plated Bezels

: 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

: 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

8GXD ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense

8MEP BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total

8VAY HORN, ELECTRIC Disc Style

8VUL BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Left Side Back of Cab

8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm

8XGT TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

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 2007 & 2010 Emissions

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "GN"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

### Code Description

10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California

11LGN CLUTCH {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 8-Spring Low Rate Damper, with 2" Spline, Mechanical Pull Type Control and with Kwik-Adjust (Manual) Feature, 1150 lb-ft Torque Capacity

12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection

12NWG ENGINE, DIESEL {Navistar N10} EPA 2010, SCR, 310 HP @ 2000 RPM, 1050 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 310 Peak HP (Max)

Includes

: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)

: 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

12THZ FAN DRIVE {Horton Drivemaster Polar Extreme} Direct Drive Type, Two Speed, With Residual Torque Device for Disengaged Fan Speed

Includes

: FAN Nylon

12UCV RADIATOR Aluminum, Cross Flow, Series System; 1228 SqIn Core and 648 SqIn Charge Air Cooler

12UPA FEDERAL EMISSIONS {Navistar N9 & N10} EPA, OBD and GHG Certified for Calendar Year 2016

12VBC AIR CLEANER Single Element

Includes

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

12VYP ENGINE CONTROL, REMOTE MOUNTED - No Provision Furnished for Remote Mounted Engine Control

12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations

13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift

14GVY AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends . Gear Ratio: 3.70

Includes

: POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light

: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem 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.

14UNA SUSPENSION, REAR, TANDEM {International} 4-Spring Type, Multileaf, 52" Axle Spacing; 40,000-lb Capacity

Includes

: CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone

Notes

#### **Code Description**

: 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.

15SWU FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 16" Tank Depth, 40 U.S. Gal., 151 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

15WDG DEF TANK 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab

16030 CAB Conventional

Includes

: ARM REST (2) Molded Plastic; One Each Door

: 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

16HBA GAUGE CLUSTER English With English Electronic Speedometer

Includes

: 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)

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16HLJ GAUGE, DEF FLUID LEVEL

16JXG SEAT, FRONT BENCH {National} Full Width; Vinyl, With Fixed Mid Back

16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

16WKY HVAC FRESH AIR FILTER

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

16WRX CAB INTERIOR TRIM Deluxe

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

: 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

**Code Description**

: 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

27DMA WHEELS, FRONT {Accuride} 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

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

28DMA WHEELS, REAR {Accuride} 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

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

: 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.

7372138107 (2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

7372138107 (8) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**Services Section:**

40118 WARRANTY Standard for Paystar 5000, and Workstar 7500/7600, Effective with Vehicles Built January 2, 2015 or Later, CTS-2003Z

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**H-GAC Product Code: F12**  
**WorkStar 7600, Conv. Cab, SBFA, 4x2 (SA667)**

**Model Profile**

**2017 7600 SBA 4X2 2010 (SA667)**

**MISSION:** Requested GVWR: 33000. Calc. GVWR: 33000

**DIMENSION:** Wheelbase: 148.00, CA: 80.90, Axle to Frame: 63.00

**ENGINE, DIESEL:** {Navistar N13} EPA 2010, SCR, 365 HP @ 1700 RPM, 1250 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 365 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, 1450 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity

**AXLE, REAR, SINGLE:** {Meritor RS-21-160} Single Reduction, 21,000-lb Capacity, 200 Wheel Ends Gear Ratio: 2.93

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**TIRE, REAR:** (4) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 23,500-lb Capacity

**PAINT:** Cab schematic 100GS

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

SA66700 Base Chassis, Model 7600 SBA 4X2 2010 with 148.00 Wheelbase, 80.90 CA, and 63.00 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

1LLA BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WHK WHEELBASE RANGE 148" (375cm) Through and Including 193" (490cm)

2ARW AXLE, FRONT NON-DRIVING {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-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.

3ADC SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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

: 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.

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)

4EBS AIR DRYER {Bendix AD-9} With Heater

Includes

: AIR DRYER LOCATION Inside Left Rail, Back of Cab

4EXP BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4JCG BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

Notes

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

4NDB 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

## Code Description

### 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.  
4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder  
5AAA STEERING COLUMN Stationary  
5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black  
5PSA STEERING GEAR {Sheppard M-100} Power  
7BEM EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;  
Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab  
8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

### Includes

: 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, Round, with Chrome Plated Bezels  
: 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

: 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  
8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount  
8MKL BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total  
8VAY HORN, ELECTRIC Disc Style  
8VUL BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Left Side Back of Cab  
8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade  
8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

### Notes

: This starter is designed to work reliably without the need for thermal overcrank protection and provides the same warranty coverage as starters with thermal overcrank protection.  
8XGT TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender  
9585 FENDER EXTENSIONS Rubber  
9HAN INSULATION, UNDER HOOD for Sound Abatement  
9HBM GRILLE Stationary, Chrome  
9HBN INSULATION, SPLASH PANELS for Sound Abatement  
9WBK FRONT END Tilting, Fiberglass, With Three Piece Construction Includes Long Hood  
10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

## Code Description

### Includes

: PAINT SCHEMATIC ID LETTERS "GS"  
10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone  
10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California  
11MHD CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, 1450 lb-ft Torque Capacity

### Includes

: CLUTCH RELEASE BEARING Greasable  
12772 ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection, for N13 Engines  
12BDD ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 365 HP @ 1700 RPM, 1250 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 365 Peak HP (Max)  
12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

### Includes

: FAN Nylon  
12UNX FEDERAL EMISSIONS {Navistar N13} EPA, OBD and GHG Certified for Calendar Year 2016  
12VBC AIR CLEANER Single Element

### Includes

: AIR CLEANER with Vacuator  
: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted  
12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control  
12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations

12XAW RADIATOR Aluminum; Welded, Front to Back CrossFlow System, 1593 SqIn, 1012 SqIn CAC, 1543 SqIn 3

Core LTR

13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift

Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

14ATE AXLE, REAR, SINGLE {Meritor RS-21-160} Single Reduction, 21,000-lb Capacity, 200 Wheel Ends . Gear Ratio: 2.93

Includes

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

Notes

: Axle Lead Time is 30 Days Standard, 90 Days w/no Spin Option

: When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and Performance

14SAN SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity

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.

15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor

#### **Code Description**

15SRE FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 19" Deep, 50 U.S. Gal., 189 L Capacity, with Quick Connect Outlet, Mounted Left Side, Under Cab

16030 CAB Conventional

Includes

: ARM REST (2) Molded Plastic; One Each Door

: 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

16HBA GAUGE CLUSTER English With English Electronic Speedometer

Includes

: 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)

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16HLJ GAUGE, DEF FLUID LEVEL

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

Includes

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

16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

16WKY HVAC FRESH AIR FILTER

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

16WRX CAB INTERIOR TRIM Deluxe

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, INTERIOR TRIM, CLOSEOUT Lower Dash Closeout Panel; Molded Plastic; Under Instrument Panel Driver Side

: 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

#### **Code Description**

: 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  
27DMA WHEELS, FRONT {Accuride} 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

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  
28DMA WHEELS, REAR {Accuride} 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

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  
7372138107 (2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply  
7372138107 (4) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**Services Section:**

40118 WARRANTY Standard for Paystar 5000, and Workstar 7500/7600, Effective with Vehicles Built January 2,

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**H-GAC Product Code: F13**  
**WorkStar 7600, Conv. Cab, SBFA, 6x4 (SF667)**

**Model Profile**

**2017 7600 SBA 6X4 2010 (SF667)**

**MISSION:** Requested GVWR: 52000. Calc. GVWR: 52000

**DIMENSION:** Wheelbase: 179.00, CA: 111.90, Axle to Frame: 75.00

**ENGINE, DIESEL:** {Navistar N13} EPA 2010, SCR, 365 HP @ 1700 RPM, 1250 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 365 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, 1450 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends Gear Ratio: 2.64

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {International} 4-Spring Type, Multileaf, 52" Axle Spacing; 40,000-lb Capacity

**PAINT:** Cab schematic 100GS

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

SF66700 Base Chassis, Model 7600 SBA 6X4 2010 with 179.00 Wheelbase, 111.90 CA, and 75.00 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

1LLA BUMPER, FRONT Steel, Swept Back

Includes

: BUMPER, FRONT Powder Coated Gray (Argent) Color

1WHN WHEELBASE RANGE 152" (385cm) Through and Including 181" (460cm)

2ARW AXLE, FRONT NON-DRIVING {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-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.

3ADC SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-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.

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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

: Rear Axle is Limited to 46,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle /Suspension Ordered.

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)

4EBS AIR DRYER {Bendix AD-9} With Heater

Includes

: AIR DRYER LOCATION Inside Left Rail, Back of Cab

4EXP BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqIn

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4JCJ BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

Notes

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

4NDB 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

### Code Description

#### 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.

4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

6DDC DRIVESHAFT SYSTEM SPL250XL Driveshaft and SPL170XL Inneraxle Shaft in lieu of 1810 Driveshaft and 1710 Inneraxle Shaft

7BEM EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;

Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

#### Includes

: 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, Round, with Chrome Plated Bezels

: 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

: 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

8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount

8MKL BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

8VAY HORN, ELECTRIC Disc Style

8VUL BATTERY BOX Steel With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Left Side Back of Cab

8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

#### Notes

: This starter is designed to work reliably without the need for thermal overcrank protection and provides the same warranty coverage as starters with thermal overcrank protection.

8XGT TURN SIGNALS, FRONT LED, Includes LED Side Marker Lights, Mounted on Fender

9585 FENDER EXTENSIONS Rubber

9HAN INSULATION, UNDER HOOD for Sound Abatement

9HBM GRILLE Stationary, Chrome

9HBN INSULATION, SPLASH PANELS for Sound Abatement

### Code Description

9WBK FRONT END Tilting, Fiberglass, With Three Piece Construction Includes Long Hood

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

#### Includes

: PAINT SCHEMATIC ID LETTERS "GS"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California

11MHD CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, 1450 lb-ft Torque Capacity

#### Includes

: CLUTCH RELEASE BEARING Greasable

12772 ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection, for N13 Engines

12BDD ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 365 HP @ 1700 RPM, 1250 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 365 Peak HP (Max)

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

#### Includes

: FAN Nylon

12UNX FEDERAL EMISSIONS {Navistar N13} EPA, OBD and GHG Certified for Calendar Year 2016

12VBC AIR CLEANER Single Element

#### Includes

: AIR CLEANER with Vacuator

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted  
12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control  
12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations  
12XAW RADIATOR Aluminum; Welded, Front to Back CrossFlow System, 1593 SqIn, 1012 SqIn CAC, 1543 SqIn 3  
Core LTR  
13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift  
Includes  
: CLUTCH BRAKE Torque Limiting  
: FILL PLUG, MAGNETIC  
14GVY AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR} Single Reduction, 0.433"(11mm) Wall Housing Thickness,  
40,000-lb Capacity, R Wheel Ends . Gear Ratio: 2.64  
Includes  
: POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light  
: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem 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.  
14UNA SUSPENSION, REAR, TANDEM {International} 4-Spring Type, Multileaf, 52" Axle Spacing; 40,000-lb Capacity  
Includes  
: CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone

#### **Code Description**

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.  
15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab  
15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor  
15SRE FUEL TANK Top Draw; D-Style, Non-Polished Aluminum, 19" Deep, 50 U.S. Gal., 189 L Capacity, with Quick  
Connect Outlet, Mounted Left Side, Under Cab  
16030 CAB Conventional

Includes  
: ARM REST (2) Molded Plastic; One Each Door  
: 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  
16HBA GAUGE CLUSTER English With English Electronic Speedometer

Includes  
: 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)

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16HLJ GAUGE, DEF FLUID LEVEL

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

Includes  
: SEAT BELT 3-Point, Lap and Shoulder Belt Type  
16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1"  
Integral Convex Both Sides, 102" Inside Spacing  
16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes  
: HEATER HOSES Premium  
: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps  
: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

16WKY HVAC FRESH AIR FILTER

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

16WRX CAB INTERIOR TRIM Deluxe

Includes  
: "A" PILLAR COVER Molded Plastic

#### **Code Description**

: 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, INTERIOR TRIM, CLOSEOUT Lower Dash Closeout Panel; Molded Plastic; Under Instrument Panel Driver Side

: 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

27DMA WHEELS, FRONT {Accuride} 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

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

28DMA WHEELS, REAR {Accuride} 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

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

7372138107 (2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

7372138107 (8) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply

**Services Section:**

40118 WARRANTY Standard for Paystar 5000, and Workstar 7500/7600, Effective with Vehicles Built January 2,

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**H-GAC Product Code: H14**  
**HX615, 6X4 (HX61F)**

**Model Profile**

**2017 HX615 6x4 (HX61F)**

**MISSION:** Requested GVWR: 52000. Calc. GVWR: 52350

**DIMENSION:** Wheelbase: 169.00, CA: 103.90, Axle to Frame: 73.00

**ENGINE, DIESEL:** {Navistar N13} EPA 2010, SCR, 370 HP @ 1700 RPM, 1350 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Solo Advantage} Self-Adjusting, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 2.64

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

**PAINT:** Cab schematic 100LW

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

HX61F00 Base Chassis, Model HX615 6x4 with 169.00 Wheelbase, 103.90 CA, and 73.00 Axle to Frame.

1CGC FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 550.0" (13970mm) Maximum OAL

1LRB BUMPER, FRONT Full Width, Aerodynamic, Painted Steel

1WXG WHEELBASE RANGE 144" (365cm) Through and Including 185" (470cm)

2ASG AXLE, FRONT NON-DRIVING {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

3ACH SUSPENSION, FRONT, SPRING Multileaf, Shackle Type; 14,000-lb Capacity; With Shock Absorbers

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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

: INVERSION VALVE Bendix SR-1 and Double Check Valve

: 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

: SWITCH, AUXILIARY Interrupter for Cab Clearance/Marker Lights (Blinks Lights with Headlight Switch in "ON" Position); Instrument Panel Mounted

4196 BRAKES, FRONT, AIR CAM 16.5" x 5", Includes 24 SqIn Long Stroke Brake 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)

4EBS AIR DRYER {Bendix AD-9} With Heater

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

4NDB 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

4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder

5710 STEERING COLUMN Tilting and Telescoping

5CAW STEERING WHEEL 4-Spoke; 18" Dia., Black

5PSA STEERING GEAR {Sheppard M-100} Power

7BJU EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;

Includes Single Vertical Tail Pipe & Guard, Right Side, Cab Mounted

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Includes

: FUSES, ELECTRICAL SAE Blade-Type

: HAZARD SWITCH Integral with Turn Signal Switch

: 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

**Code Description**

: TURN SIGNAL FLASHER

: TURN SIGNAL SWITCH Manual Cancelling with Lane Change Feature

: TURN SIGNALS, FRONT Includes Integral Reflectors and Side Marker Lights; Fender Mounted

: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermitent Feature, Steering Column Mounted

: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted

: WIRING, CHASSIS Color Coded and Continuously Numbered

8653 HORN, AIR Single, Located Under Cab

8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord

8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount

8MKL BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

8RBN RADIO Omit Item; With Wiring and Antenna, Includes Multiple Speakers

8VAY HORN, ELECTRIC Disc Style

8VUK BATTERY BOX Aluminum With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab

8WCK POWER SOURCE, TERMINAL TYPE 2-Post

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

8XHT HEADLIGHTS Halogen, Composite Combination

9AAB LOGOS EXTERIOR Door Badges

9ASE FRONT END Tilting Composite

9HCL GRILLE , Black Vertical Accent Bars with Black Mesh

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

10UAD VEHICLE REGISTRATION IDENTITY ID for 49 States, Excluding California

11MGR CLUTCH {Eaton Fuller Solo Advantage} Self-Adjusting, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

11WAK CLUTCH EFFECTS Hydraulic Clutch Actuation System, with Air Assist

12641 ANTI-FREEZE Red, Extended Life Coolant; with Conditioner; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection

12BCN ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 370 HP @ 1700 RPM, 1350 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

12UBE RADIATOR Aluminum; Single Row, Down Flow System, 1429 SqIn, Front to Back, 764.1 SqIn CAC, 1123.3 SqIn LTR

12UNX FEDERAL EMISSIONS {Navistar N13} EPA, OBD and GHG Certified for Calendar Year 2016

12VBC AIR CLEANER Single Element

12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type

12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control

12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted

12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations

**Code Description**

13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift

13WAS CLUTCH HOUSING Aluminum; Available With 1350 to 2050 lb-ft Capacity Fuller Transmissions

14GVU AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump . Gear Ratio: 2.64

14ULX SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

14WAL SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions

15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor

15SSN FUEL TANK Non-Polished Aluminum, 24" Diam., 60 U.S. Gal., 227 L Capacity Mounted Left Side Under Cab

16031 CAB Conventional

Includes

: CLEARANCE/MARKER LIGHTS (5) Roof Mounted

: COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window

: CONSOLE, CENTER Plastic, Driver Convenience with a Cup and Change Holder, Ash Tray and Lower Storage Area. NOTE: Ash Tray not included with automatic transmission

: GLASS, ALL WINDOWS Tinted

: GRAB HANDLE, CAB INTERIOR (2) One Each Side

: GRAB HANDLE, EXTERIOR (2) Mounted Behind Driver and Passenger Doors

: STEP (4) Two Steps Per Door

16400 SEAT, PASSENGER Omit Item

16HBA GAUGE CLUSTER English With English Electronic Speedometer

16JPC SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All Vinyl, 2 Arm Rests, Isolator, 7" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 3 Position Rear Cushion, 2-15 Degree Back Angle Adjust, Vinyl Suspension Cover

16SNL MIRRORS (2) Black Heads, Brackets and Arms, 7.55" x 14.1" Flat Glass, 7.48" x 6.77" Convex Glass Both Sides

16VJZ CAB INTERIOR TRIM Classic Level, for Day Cab

Includes

: CONSOLE, OVERHEAD Molded Plastic with Three Storage Pockets; One with Velcro Strap for CB Radio Mounting; Two with Netting; Light Switches for Dome and Courtesy Lights

: FLOOR COVERING Rubber, Black

: SUN VISOR (2) Vinyl with Toll Ticket Strap

16VRT HEATER, ENHANCED CIRCULATION {Bergstrom} Control, for Extreme Cold Weather Climates

16VZA WINDOW, REAR 52.25" Wide

16WAK WINDOW, POWER (2) in Left and Right Doors

16WJG CAB DOOR LOCKS Power

16WKB AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster

16WKR WINDSHIELD Single Piece

16WLD CAB REAR SUSPENSION Dual Frame Mounted Cab Rear Air Suspension; Includes Special Crossmember Assembly

**Code Description**

27DMA WHEELS, FRONT {Accuride} 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

28DMA WHEELS, REAR {Accuride} 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

7372135415 (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

7372135415 (8) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**Services Section:**

40124 WARRANTY Standard for HX Series, Effective with Vehicles Built January 2, 2016 or Later, CTS-2015A

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**H-GAC Product Code: F15**  
**HX620, 6X4 (HX62F)**

**Model Profile**

**2017 HX620 6x4 (HX62F)**

**MISSION:** Requested GVWR: 52000. Calc. GVWR: 52350

**DIMENSION:** Wheelbase: 171.00, CA: 102.00, Axle to Frame: 77.00

**ENGINE, DIESEL:** {Cummins ISX 15 455 V} EPA 2010 455 HP @ 1800 RPM, 1650 lb-ft Torque @ 1200 RPM, 2000 RPM Governed Speed, 455 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FRO-16210C} 10-Speed Manual, With Overdrive, With Air Shift, With Internal Lube Oil Pump

**CLUTCH:** {Eaton Fuller Solo Advantage} Self-Adjusting, Two-Plate, Cast Angle Spring; Ceramic, 15.5"

Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 3.25

**CAB:** Conventional

**TIRE, FRONT:** (2) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

**PAINT:** Cab schematic 100LX

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

HX62F00 Base Chassis, Model HX620 6x4 with 171.00 Wheelbase, 102.00 CA, and 77.00 Axle to Frame.

1CGC FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 550.0" (13970mm) Maximum OAL

1LRB BUMPER, FRONT Full Width, Aerodynamic, Painted Steel

1WXK WHEELBASE RANGE 148" (375cm) Through and Including 189" (480cm)

2ASG AXLE, FRONT NON-DRIVING {Meritor MFS-13-143A} Wide Track, I-Beam Type, 13,200-lb Capacity

3ACH SUSPENSION, FRONT, SPRING Multileaf, Shackle Type; 14,000-lb Capacity; With Shock Absorbers

4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: 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

: INVERSION VALVE Bendix SR-1 and Double Check Valve

: 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

: SWITCH, AUXILIARY Interrupter for Cab Clearance/Marker Lights (Blinks Lights with Headlight Switch in "ON" Position); Instrument Panel Mounted

4196 BRAKES, FRONT, AIR CAM 16.5" x 5", Includes 24 SqIn Long Stroke Brake 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)

4EBS AIR DRYER {Bendix AD-9} With Heater

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

4NDB 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

4SPA AIR COMPRESSOR {Cummins} 18.7 CFM Capacity

5710 STEERING COLUMN Tilting and Telescoping

5CAW STEERING WHEEL 4-Spoke; 18" Dia., Black

5PSA STEERING GEAR {Sheppard M-100} Power

7BJU EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe & Guard, Right Side, Cab Mounted

7SAP ENGINE COMPRESSION BRAKE {Cummins} Interbrake For Cummins Signature or ISX Engines; Furnished with Engine

8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Includes

: FUSES, ELECTRICAL SAE Blade-Type

: HAZARD SWITCH Integral with Turn Signal Switch



: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever  
: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light

**Code Description**

: STARTER SWITCH Electric, Key Operated  
: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector  
: TURN SIGNAL FLASHER  
: TURN SIGNAL SWITCH Manual Cancelling with Lane Change Feature  
: TURN SIGNALS, FRONT Includes Integral Reflectors and Side Marker Lights; Fender Mounted  
: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature, Steering Column Mounted  
: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted  
: WIRING, CHASSIS Color Coded and Continuously Numbered  
8653 HORN, AIR Single, Located Under Cab  
8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord  
8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount  
8MKL BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total  
8RBN RADIO Omit Item; With Wiring and Antenna, Includes Multiple Speakers  
8VAY HORN, ELECTRIC Disc Style  
8VUK BATTERY BOX Aluminum With Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab  
8WCK POWER SOURCE, TERMINAL TYPE 2-Post  
8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start  
8XHT HEADLIGHTS Halogen, Composite Combination  
9AAB LOGOS EXTERIOR Door Badges  
9ASE FRONT END Tilting Composite  
9HCL GRILLE , Black Vertical Accent Bars with Black Mesh  
10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100  
10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone  
11MGR CLUTCH {Eaton Fuller Solo Advantage} Self-Adjusting, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, Soft Clutch 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity  
11WAK CLUTCH EFFECTS Hydraulic Clutch Actuation System, with Air Assist  
12640 ANTI-FREEZE Red, Extended Life Coolant; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection  
12EDW ENGINE, DIESEL {Cummins ISX 15 455 V} EPA 2010 455 HP @ 1800 RPM, 1650 lb-ft Torque @ 1200 RPM, 2000 RPM Governed Speed, 455 Peak HP (Max)  
12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed  
12UCU RADIATOR Aluminum; Front to Back, Down Flow System, 1564.8 SqIn, 556.8 SqIn CAC  
12UNZ FEDERAL EMISSIONS {Cummins ISX} EPA, OBD and GHG Certified for Calendar Year 2016  
12VBC AIR CLEANER Single Element  
12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type  
12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted  
12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations  
13GHS TRANSMISSION, MANUAL {Fuller FRO-16210C} 10-Speed Manual, With Overdrive, With Air Shift, With Internal Lube Oil Pump

**Code Description**

13WAS CLUTCH HOUSING Aluminum; Available With 1350 to 2050 lb-ft Capacity Fuller Transmissions  
13WGJ OIL COOLER, MANUAL TRANSMISSION Water to Oil Type Included in Radiator End Tank (REQUIRES TRANSMISSION LUBE PUMP)  
14GVU AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump . Gear Ratio: 3.25  
14ULX SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers  
14WAL SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions  
15DYP DEF TANK 9.5 U.S. Gal. 36.0L Capacity, Frame Mounted Outside Left Rail, Under Cab  
15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor  
15SSN FUEL TANK Non-Polished Aluminum, 24" Diam., 60 U.S. Gal., 227 L Capacity Mounted Left Side Under Cab  
16031 CAB Conventional  
Includes  
: CLEARANCE/MARKER LIGHTS (5) Roof Mounted  
: COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window  
: CONSOLE, CENTER Plastic, Driver Convenience with a Cup and Change Holder, Ash Tray and Lower Storage Area. NOTE: Ash Tray not included with automatic transmission  
: GLASS, ALL WINDOWS Tinted  
: GRAB HANDLE, CAB INTERIOR (2) One Each Side  
: GRAB HANDLE, EXTERIOR (2) Mounted Behind Driver and Passenger Doors  
: STEP (4) Two Steps Per Door  
16400 SEAT, PASSENGER Omit Item  
16HBA GAUGE CLUSTER English With English Electronic Speedometer  
16JPC SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All Vinyl, 2 Arm Rests, Isolator,

7" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 3 Position Rear Cushion, 2-15 Degree Back Angle Adjust, Vinyl Suspension Cover  
16SNL MIRRORS (2) Black Heads, Brackets and Arms, 7.55" x 14.1" Flat Glass, 7.48" x 6.77" Convex Glass Both Sides  
16VJZ CAB INTERIOR TRIM Classic Level, for Day Cab  
Includes  
: CONSOLE, OVERHEAD Molded Plastic with Three Storage Pockets; One with Velcro Strap for CB Radio Mounting; Two with Netting; Light Switches for Dome and Courtesy Lights  
: FLOOR COVERING Rubber, Black  
: SUN VISOR (2) Vinyl with Toll Ticket Strap  
16VRT HEATER, ENHANCED CIRCULATION {Bergstrom} Control, for Extreme Cold Weather Climates  
16VZA WINDOW, REAR 52.25" Wide  
16WAK WINDOW, POWER (2) in Left and Right Doors  
16WJG CAB DOOR LOCKS Power  
16WKB AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster  
16WKR WINDSHIELD Single Piece  
16WLD CAB REAR SUSPENSION Dual Frame Mounted Cab Rear Air Suspension; Includes Special Crossmember Assembly  
**Code Description**  
27DMA WHEELS, FRONT {Accuride} 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  
28DMA WHEELS, REAR {Accuride} 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  
7372135415 (2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply  
7372135415 (8) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range G, 14 ply  
**Services Section:**  
40124 WARRANTY Standard for HX Series, Effective with Vehicles Built January 2, 2016 or Later, CTS-2015A

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**H-GAC Product Code: F16**  
**TransStar 8600, Conv. Cab, SBFA, 4x2 (RA027)**

**Model Profile**

**2017 8600 SBA 4X2 (RA027)**

**MISSION:** Requested GCWR: 55000. Calc. GVWR: 32000

**DIMENSION:** Wheelbase: 148.00, CA: 87.00, Axle to Frame: 35.00

**ENGINE, DIESEL:** {Navistar N13} EPA 2010, SCR, 370 HP @ 1700 RPM, 1350 lb-ft Torque @ 1000 RPM, 1900 RPM Governed Speed, 370 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Hendrickson Steertek NXT} Wide Track, Fabricated Type, 12,000-lb Capacity

**AXLE, REAR, SINGLE:** {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, With 200 Wheel Ends Gear Ratio: 3.07

**CAB:** Conventional

**TIRE, FRONT:** (2) 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

**TIRE, REAR:** (4) 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 20,000-lb Capacity

**PAINT:** Cab schematic 100GH

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

RA02700 Base Chassis, Model 8600 SBA 4X2 with 148.00 Wheelbase, 87.00 CA, and 35.00 Axle to Frame.

1616 FRAME RAILS WITH TAPERED REAR

1CAE 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

1LLD BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness

1WKB WHEELBASE RANGE 142" (360cm) Through and Including 187" (475cm)

2AUB AXLE, FRONT NON-DRIVING {Hendrickson Steertek NXT} Wide Track, Fabricated Type, 12,000-lb Capacity

3ADC SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-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.

4092 BRAKE SYSTEM, AIR Dual System for Tractor Applications

Includes

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Manually Cable Operated (On Wet Tank Only)

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: GLAD HANDS (2) One for Service and One for Emergency; Trailer Hoses from Cab

: HAND CONTROL VALVE, AIR Mounted on Steering Column

: HOSE TENDER Back of Cab Mounted

: PARKING BRAKE CONTROL Yellow and Red Knobs, Located on Instrument Panel

: PARKING BRAKE VALVE Combination Valve for Tractor and Trailer

: QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for Forward Rear Axle

: SLACK ADJUSTERS, FRONT Automatic

: SLACK ADJUSTERS, REAR Automatic

: SWITCH, AUXILIARY Interrupter for Cab and Trailer Clearance/Marker Lights (Blinks Lights with Headlight Switch in "OFF" or "ON" Position) Instrument Panel Mounted

: TRACTOR PROTECTION VALVE

Notes

: Front and Rear Dust Shields not Included

: Rear Axle is Limited to 20,000-lb GAWR with Code 04092 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.

: Rear Axle is Limited to 40,000-lb GAWR with Code 04092 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.

4196 BRAKES, FRONT, AIR CAM 16.5" x 5", Includes 24 SqIn Long Stroke Brake Chambers

Notes

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

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

4ECC AIR DRYER {Bendix AD-IS} With Heater, Includes Pressure Protection Circuits, Safety Valve, and Purge Tank

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

4NDB 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

### Code Description

: 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.  
4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder  
4VHW AIR TANK LOCATION (2) : Two Mounted Under Battery Box, Outside Left Rail, Under Cab; Perpendicular to Rail

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

5WAJ POWER STEERING OIL COOLER Remote Mounted

7BEM EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;

Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

8000 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

: 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

8518 CIGAR LIGHTER Includes Ash Cup

8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount

8MKL BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

8RBN RADIO Omit Item; With Wiring and Antenna, Includes Multiple Speakers

Includes

: SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior

: SPEAKERS IN CAB (4) Coaxial with Premium Interior

8VAY HORN, ELECTRIC Disc Style

8WCL HORN, AIR Black, Single Trumpet, Air Solenoid Operated

8WGL WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and

Wipers Left on for a Predetermined Time

8WGU BATTERY BOX COVER Anodized Aluminum

8WPB HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights

8WPZ TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

### Code Description

8WRB HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

8WXD ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT"

Set, With Ignition "OFF" and any Door Opened

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

## Notes

: This starter is designed to work reliably without the need for thermal overcrank protection and provides the same warranty coverage as starters with thermal overcrank protection.

8XGJ BATTERY BOX Steel with Plastic Cover, 30" Wide, 2, 3 or 4 Battery Capacity, Mounted Left Side Under Cab

9HAD GRILLE Chrome

9HAN INSULATION, UNDER HOOD for Sound Abatement

9HBN INSULATION, SPLASH PANELS for Sound Abatement

9WAY FRONT END Tilting, Fiberglass, With Three Piece Construction

Includes

: BUG SCREEN Front End; Mounted Behind Grille

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "GH"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

10EWW FIFTH WHEEL, STATIONARY {Fontaine SL6FMA-D64-2} 7.69" Above Top of Frame; Left Hand Roadside Release

10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California

10WPR MUD FLAP HOLDER Spring Loaded, Painted Black; With Red and White Reflective Tape; Less Flaps  
10WSX MUD FLAPS, REAR Black Poly, With International Logo; Less Holders  
11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

Includes

: CLUTCH RELEASE BEARING Greasable

12772 ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection, for N13 Engines

12BCV ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 370 HP @ 1700 RPM, 1350 lb-ft Torque @ 1000 RPM, 1900 RPM Governed Speed, 370 Peak HP (Max)

12THX FAN DRIVE {Horton V-Master-Ultra} Viscous

Includes

: FAN Nylon

12UBE RADIATOR Aluminum; Single Row, Down Flow System, 1429 SqIn, Front to Back, 764.1 SqIn CAC, 1123.3 SqIn LTR

Includes

: DEAERATION SYSTEM Opaque Remote Mounted Coolant Reservoir/Surge Tank With Pressure Rated Cap

: RADIATOR HOSES Premium, Rubber

12UNX FEDERAL EMISSIONS {Navistar N13} EPA, OBD and GHG Certified for Calendar Year 2016

12VBC AIR CLEANER Single Element

#### **Code Description**

Includes

: AIR CLEANER with Vacuator

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type

12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control

12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations

13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift

Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

13WAP TRANSMISSION LUBE PUMP for International, Fuller, Meritor or Spicer Transmissions; USE ONLY WHEN PUMP IS NOT INCLUDED STANDARD IN TRANSMISSION

13WAS CLUTCH HOUSING Aluminum; Available With 1350 to 2050 lb-ft Capacity Fuller Transmissions

13WGJ OIL COOLER, MANUAL TRANSMISSION Water to Oil Type Included in Radiator End Tank (REQUIRES TRANSMISSION LUBE PUMP)

14051 AXLE, REAR, SINGLE {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, With 200 Wheel Ends . Gear Ratio: 3.07

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

14SAM SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 20,000-lb Capacity

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.

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor

Includes

: LOCATION FUEL/WATER SEPARATOR Mounted Left Rail in Wheel Well

15SVN FUEL TANK Top Draw; Non-Polished Aluminum, 26" Diam., 70 U.S. Gal., 265L Capacity Mounted Left Side, Back of Cab

15WDE DEF TANK 16 U.S. Gal. 60.6L Capacity, Frame Mounted Outside Left Rail, Under Cab

16030 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

#### **Code Description**

16400 SEAT, PASSENGER Omit Item

## 16HBA GAUGE CLUSTER English With English Electronic Speedometer

### Includes

: 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)

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16HLJ GAUGE, DEF FLUID LEVEL

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

### Includes

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

16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

### Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16WJT INSTRUMENT PANEL Center Section, Ergonomic Panel

16WKY HVAC FRESH AIR FILTER

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

16WRX CAB INTERIOR TRIM Deluxe

### 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

: 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

27DRK WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 5-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

### 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

### Code Description

: 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.

28DRK WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 5-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

### 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

7702498116 (2) TIRE, FRONT 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

7702498116 (4) TIRE, REAR 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

810002 FIFTH WHEEL LOCATION 02.0" Ahead of Rear Axle Centerline

### Services Section:

40113 WARRANTY Standard for TranStar, 9900i, ProStar and LoneStar, Effective with Vehicles Built January 2, 2015 or Later, CTS-2004V

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**H-GAC Product Code: F17**  
**TransStar 8600, Conv. Cab, SBFA, 6x4 (RF027)**

**Model Profile**

**2017 8600 SBA 6X4 (RF027)**

**MISSION:** Requested GCWR: 80000. Calc. GVWR: 46000

**DIMENSION:** Wheelbase: 183.00, CA: 122.00, Axle to Frame: 57.00

**ENGINE, DIESEL:** {Navistar N13} EPA 2010, SCR, 370 HP @ 1700 RPM, 1350 lb-ft Torque @ 1000 RPM, 1900 RPM Governed Speed, 370 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FRO-14210C} 10-Speed Manual, With Overdrive, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Hendrickson Steertek NXT} Wide Track, Fabricated Type, 12,000-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-4DFR} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends Gear Ratio: 3.55

**CAB:** Conventional

**TIRE, FRONT:** (2) 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:** {International} 4-Spring Type, Multileaf, 52" Axle Spacing; 40,000-lb Capacity

**PAINT:** Cab schematic 100GH

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

RF02700 Base Chassis, Model 8600 SBA 6X4 with 183.00 Wheelbase, 122.00 CA, and 57.00 Axle to Frame.

1616 FRAME RAILS WITH TAPERED REAR

1CAE 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

1LLD BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness

1WKD WHEELBASE RANGE 173" (440cm) Through and Including 230" (585cm)

2AUB AXLE, FRONT NON-DRIVING {Hendrickson Steertek NXT} Wide Track, Fabricated Type, 12,000-lb Capacity

3ADC SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-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.

4092 BRAKE SYSTEM, AIR Dual System for Tractor Applications

Includes

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Manually Cable Operated (On Wet Tank Only)

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: GLAD HANDS (2) One for Service and One for Emergency; Trailer Hoses from Cab

: HAND CONTROL VALVE, AIR Mounted on Steering Column

: HOSE TENDER Back of Cab Mounted

: PARKING BRAKE CONTROL Yellow and Red Knobs, Located on Instrument Panel

: PARKING BRAKE VALVE Combination Valve for Tractor and Trailer

: QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for Forward Rear Axle

: SLACK ADJUSTERS, FRONT Automatic

: SLACK ADJUSTERS, REAR Automatic

: SWITCH, AUXILIARY Interrupter for Cab and Trailer Clearance/Marker Lights (Blinks Lights with Headlight Switch in "OFF" or "ON" Position) Instrument Panel Mounted

: TRACTOR PROTECTION VALVE

Notes

: Front and Rear Dust Shields not Included

: Rear Axle is Limited to 40,000-lb GAWR with Code 04092 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.

4196 BRAKES, FRONT, AIR CAM 16.5" x 5", Includes 24 SqIn Long Stroke Brake Chambers

Notes

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

4795 SPECIAL RATING, GAWR WARNING; Rear Axle Limited to 34,000 lb 6x4 Tandem Tractor

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

4ECC AIR DRYER {Bendix AD-IS} With Heater, Includes Pressure Protection Circuits, Safety Valve, and Purge Tank

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

4NDB 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

### Code Description

: 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.  
4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder  
4VHW AIR TANK LOCATION (2) : Two Mounted Under Battery Box, Outside Left Rail, Under Cab; Perpendicular to Rail

5AAA STEERING COLUMN Stationary

5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black

5PSA STEERING GEAR {Sheppard M-100} Power

5WAJ POWER STEERING OIL COOLER Remote Mounted

7BEM EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;

Includes Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab

8000 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

: 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

8518 CIGAR LIGHTER Includes Ash Cup

8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount

8MKL BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

8RBN RADIO Omit Item; With Wiring and Antenna, Includes Multiple Speakers

Includes

: SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior

: SPEAKERS IN CAB (4) Coaxial with Premium Interior

8VAY HORN, ELECTRIC Disc Style

8WCL HORN, AIR Black, Single Trumpet, Air Solenoid Operated

8WGL WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and

Wipers Left on for a Predetermined Time

8WGU BATTERY BOX COVER Anodized Aluminum

8WPB HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights

8WPZ TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

### Code Description

8WRB HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

8WXD ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT"

Set, With Ignition "OFF" and any Door Opened

8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

## Notes

: This starter is designed to work reliably without the need for thermal overcrank protection and provides the same warranty coverage as starters with thermal overcrank protection.

8XGJ BATTERY BOX Steel with Plastic Cover, 30" Wide, 2, 3 or 4 Battery Capacity, Mounted Left Side Under Cab

9HAD GRILLE Chrome

9HAN INSULATION, UNDER HOOD for Sound Abatement

9HBN INSULATION, SPLASH PANELS for Sound Abatement

9WAY FRONT END Tilting, Fiberglass, With Three Piece Construction

Includes

: BUG SCREEN Front End; Mounted Behind Grille

10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "GH"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

10EWW FIFTH WHEEL, STATIONARY {Fontaine SL6FMA-D64-2} 7.69" Above Top of Frame; Left Hand Roadside

Release

10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California

10WPR MUD FLAP HOLDER Spring Loaded, Painted Black; With Red and White Reflective Tape; Less Flaps



10WSX MUD FLAPS, REAR Black Poly, With International Logo; Less Holders  
11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

Includes

: CLUTCH RELEASE BEARING Greasable

12641 ANTI-FREEZE Red, Extended Life Coolant; with Conditioner; To -34 Degrees F/ -36.7 Degrees C, Freeze Protection

12BCV ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 370 HP @ 1700 RPM, 1350 lb-ft Torque @ 1000 RPM, 1900 RPM Governed Speed, 370 Peak HP (Max)

12THX FAN DRIVE {Horton V-Master-Ultra} Viscous

Includes

: FAN Nylon

12UBE RADIATOR Aluminum; Single Row, Down Flow System, 1429 SqIn, Front to Back, 764.1 SqIn CAC, 1123.3 SqIn LTR

Includes

: DEAERATION SYSTEM Opaque Remote Mounted Coolant Reservoir/Surge Tank With Pressure Rated Cap

: RADIATOR HOSES Premium, Rubber

12UNX FEDERAL EMISSIONS {Navistar N13} EPA, OBD and GHG Certified for Calendar Year 2016

12VBC AIR CLEANER Single Element

#### **Code Description**

Includes

: AIR CLEANER with Vacuator

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type

12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control

12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations

13GHL TRANSMISSION, MANUAL {Fuller FRO-14210C} 10-Speed Manual, With Overdrive, With Air Shift

Includes

: CLUTCH BRAKE Torque Limiting

: FILL PLUG, MAGNETIC

13WAP TRANSMISSION LUBE PUMP for International, Fuller, Meritor or Spicer Transmissions; USE ONLY WHEN PUMP IS NOT INCLUDED STANDARD IN TRANSMISSION

13WAS CLUTCH HOUSING Aluminum; Available With 1350 to 2050 lb-ft Capacity Fuller Transmissions

13WGJ OIL COOLER,MANUAL TRANSMISSION Water to Oil Type Included in Radiator End Tank (REQUIRES TRANSMISSION LUBE PUMP)

14GVY AXLE, REAR, TANDEM {Meritor MT-40-14X-4DFR} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends . Gear Ratio: 3.55

Includes

: POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light

: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem 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

14UNA SUSPENSION, REAR, TANDEM {International} 4-Spring Type, Multileaf, 52" Axle Spacing; 40,000-lb Capacity

Includes

: CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone

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.

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor

Includes

: LOCATION FUEL/WATER SEPARATOR Mounted Left Rail in Wheel Well

15SVN FUEL TANK Top Draw; Non-Polished Aluminum, 26" Diam., 70 U.S. Gal., 265L Capacity Mounted Left Side, Back of Cab

15WDE DEF TANK 16 U.S. Gal. 60.6L Capacity, Frame Mounted Outside Left Rail, Under Cab

16030 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

#### **Code Description**

: 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  
 16400 SEAT, PASSENGER Omit Item  
 16HBA GAUGE CLUSTER English With English Electronic Speedometer  
 Includes  
 : 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)  
 16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster  
 16HLJ GAUGE, DEF FLUID LEVEL  
 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  
 Includes  
 : SEAT BELT 3-Point, Lap and Shoulder Belt Type  
 16SNA MIRRORS (2) {Lang Mekra} Rectangular, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing  
 16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster  
 Includes  
 : HEATER HOSES Premium  
 : HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps  
 : REFRIGERANT Hydrofluorocarbon HFC-134A  
 16WJT INSTRUMENT PANEL Center Section, Ergonomic Panel  
 16WKY HVAC FRESH AIR FILTER  
 16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door  
 16WRX CAB INTERIOR TRIM Deluxe  
 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  
 : 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  
 27DRK WHEELS, FRONT {Accuride} DISC; 22.5" Painted Steel, 5-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

#### **Code Description**

##### **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

: 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.

28DRK WHEELS, REAR {Accuride} DUAL DISC; 22.5" Painted Steel, 5-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

##### **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

7702498116 (2) TIRE, FRONT 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply  
 7702498116 (8) TIRE, REAR 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply  
 810002 FIFTH WHEEL LOCATION 02.0" Ahead of Rear Axle Centerline

#### **Services Section:**

40113 WARRANTY Standard for TranStar, 9900i, ProStar and LoneStar, Effective with Vehicles Built January 2, 2015

**H-GAC Product Code: F18**  
**ProStar+ 113, Conv. Cab, 6x4 (LF677)**

**Model Profile**

**2017 PROSTAR+ 113 6x4 (LF677)**

**MISSION:** Requested GCWR: 80000. Calc. GVWR: 46000

**DIMENSION:** Wheelbase: 171.00, CA: 108.20, Axle to Frame: 53.00

**ENGINE, DIESEL:** {Navistar N13} EPA 2010, SCR, 370 HP @ 1700 RPM, 1350 lb-ft Torque @ 1000 RPM, 1900 RPM Governed Speed, 370 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Hendrickson Steertek NXT} Wide Track, Fabricated Type, 12,000-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-3CFR} Single Reduction, 0.374"(9.5mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, Amboid Gearing in Rear-Rear Axle Gear Ratio: 3.36

**CAB:** Conventional

**TIRE, FRONT:** (2) 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, AIR, TANDEM:** {International} Ride Optimized Suspension (IROS) Heavy Duty; 52" Axle Spacing; 40,000-lb Capacity, 9.25" Ride Height, Includes Heavy Duty Spring Hangers, Crossmembers and Fasteners,

With Shock Absorbers

**PAINT:** Cab schematic 100HT

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

LF67700 Base Chassis, Model PROSTAR+ 113 6x4 with 171.00 Wheelbase, 108.20 CA, and 53.00 Axle to Frame.

1616 FRAME RAILS WITH TAPERED REAR

1CBV 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); 367.4" (9333mm) Maximum OAL

1LRL BUMPER, FRONT 3-Piece, Plastic, Aero, Molded Dark Gray Color

1WKJ WHEELBASE RANGE 160" (405cm) Through and Including 185" (470cm)

2AUB AXLE, FRONT NON-DRIVING {Hendrickson Steertek NXT} Wide Track, Fabricated Type, 12,000-lb Capacity

3ADC SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-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.

4092 BRAKE SYSTEM, AIR Dual System for Tractor Applications

Includes

: BRAKE LINES Color and Size Coded Nylon

: BRAKE PRESSURE INDICATOR Low Air Pressure Warning Light and Audible Alarm

: DRAIN VALVE Manually Operated (On Wet Tank Only)

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: GLAD HANDS (2) One for Service and One for Emergency; Trailer Hoses from Cab

: HAND CONTROL VALVE, AIR Mounted on Steering Column

: HOSE TENDER Back of Cab Mounted

: PARKING BRAKE CONTROL Yellow and Red Knobs, Located on Instrument Panel

: PARKING BRAKE VALVE Combination Valve for Tractor and Trailer

: QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for Forward Rear Axle

: SLACK ADJUSTERS, FRONT Automatic

: SLACK ADJUSTERS, REAR Automatic

: SWITCH, AUXILIARY Interrupter for Cab and Trailer Clearance/Marker Lights (Blinks Lights with Headlight Switch in "ON" Position); Steering Wheel Mounted

: TRACTOR PROTECTION VALVE

: TRAILER HOSES AND CABLES 15' Coiled Lighting Cable with 7-Way Connector and with 15' Coiled Nylon Brake Hose

Notes

: Front and Rear Dust Shields not Included

: Rear Axle is Limited to 40,000-lb GAWR with Code 04092 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.

4196 BRAKES, FRONT, AIR CAM 16.5" x 5", Includes 24 SqIn Long Stroke Brake Chambers

4795 SPECIAL RATING, GAWR WARNING; Rear Axle Limited to 34,000 lb 6x4 Tandem Tractor

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

4ECC AIR DRYER {Bendix AD-IS} With Heater, Includes Pressure Protection Circuits, Safety Valve, and Purge Tank

Includes

: AIR DRYER LOCATION Inside Left Rail, Aft of Transmission

4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake  
4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn  
4NDB 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

#### **Code Description**

##### **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.  
4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder  
4VHW AIR TANK LOCATION (2) : Two Mounted Under Battery Box, Outside Left Rail, Under Cab; Perpendicular to Rail  
5708 STEERING COLUMN Tilting  
5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black  
5PSM STEERING GEAR {Sheppard HD94} Power  
5WAJ POWER STEERING OIL COOLER Remote Mounted  
7BEP EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab  
7BEU AFTERTREATMENT COVER Non-Bright  
8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment  
Includes  
: CIGAR LIGHTER Includes Ash Cup, Center Console Mounted  
: 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  
: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light  
: STARTER SWITCH Electric, Key Operated  
: TURN SIGNAL SWITCH Manual Cancelling 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  
8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount  
8MKL BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total  
8RBN RADIO Omit Item; With Wiring and Antenna, Includes Multiple Speakers  
Includes  
: SPEAKERS IN CAB (4) Coaxial  
8RBZ SPEAKER, AUXILIARY, CB RADIO With Jack for CB; Mounted Left Side Above Driver's Door  
8RNB CB RADIO Accommodation Package; Header Mounted; Feeds From Accessory Side of Ignition Switch; Includes Power Source and One (1) Antenna, Antenna Base With Wiring on Left Side Mirror  
8TPP STOP, TURN, TAIL & B/U LIGHTS LED Multi-Function Lamp with LED Bulbs for Stop, Turn, Tail, Backup and License Plate Lights  
8WCL HORN, AIR Black, Single Trumpet, Air Solenoid Operated  
8WJN BATTERY BOX Aluminum With Plastic Cover, 30" Wide, 2, 3 or 4 Battery Capacity, Mounted Left Side Under Cab  
8WLL LIGHT, WORK (1) Pedestal Mounted BOC With Switch on Instrument Panel

#### **Code Description**

##### **Notes**

: Feature Included with Sleeper Cab or Frame Access Packages.  
8WNH RUNNING LIGHT (2) Daytime  
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  
8WXB HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position  
8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start  
Notes  
: This starter is designed to work reliably without the need for thermal overcrank protection and provides the same warranty coverage as starters with thermal overcrank protection.  
8XAH CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses  
8XDP HEADLIGHTS Halogen, with Park Lights and Daytime Running Lights  
9HAN INSULATION, UNDER HOOD for Sound Abatement  
9WAY FRONT END Tilting, Fiberglass, With Three Piece Construction  
Includes  
: BUG SCREEN Front End; Mounted Behind Grille  
: GRILLE Chrome  
: HOOD TILT ASSIST Includes Torsion Bar Spring System

9WBP FENDER EXTENSIONS Molded in Gray  
10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100  
Includes  
: PAINT SCHEMATIC ID LETTERS "HT"  
10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone  
10EYD FIFTH WHEEL, STATIONARY {Fontaine SL7FMA-D69-2} Cast Top Plate; 7.69" Above Top of Frame; Left Hand Roadside Release  
10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California  
10WPU MUD FLAP HOLDER Spring Loaded, Bright Finish; With 45-Degree End, With Red and White Reflective Tape; Less Flaps  
10WPZ MUD FLAPS, REAR Black Poly, Anti-Sail, Anti Spray, Less Logo; Less Holders  
11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity  
Includes  
: CLUTCH RELEASE BEARING Greasable  
11WAJ CLUTCH EFFECTS Hydraulic Clutch Actuation System  
12772 ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection, for N13 Engines  
12BCV ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 370 HP @ 1700 RPM, 1350 lb-ft Torque @ 1000 RPM, 1900 RPM Governed Speed, 370 Peak HP (Max)  
12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

**Code Description**

12UBE RADIATOR Aluminum; Single Row, Down Flow System, 1429 SqIn, Front to Back, 764.1 SqIn CAC, 1123.3 SqIn LTR

Includes  
: DEAERATION SYSTEM with Sight Glass and Remote Mounted Coolant Reservoir  
: RADIATOR HOSES Premium, Rubber  
12UNX FEDERAL EMISSIONS {Navistar N13} EPA, OBD and GHG Certified for Calendar Year 2016  
12VBC AIR CLEANER Single Element

Includes  
: AIR CLEANER with Vacuator  
: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted  
12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type  
12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control  
12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations  
13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift

Includes  
: CLUTCH BRAKE Torque Limiting  
: FILL PLUG, MAGNETIC  
13WAP TRANSMISSION LUBE PUMP for International, Fuller, Meritor or Spicer Transmissions; USE ONLY WHEN PUMP IS NOT INCLUDED STANDARD IN TRANSMISSION

13WAS CLUTCH HOUSING Aluminum; Available With 1350 to 2050 lb-ft Capacity Fuller Transmissions  
13WGJ OIL COOLER, MANUAL TRANSMISSION Water to Oil Type Included in Radiator End Tank (REQUIRES TRANSMISSION LUBE PUMP)

14GVD AXLE, REAR, TANDEM {Meritor MT-40-14X-3CFR} Single Reduction, 0.374"(9.5mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, Amboid Gearing in Rear-Rear Axle . Gear Ratio: 3.36

Includes  
: POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light  
: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem 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  
14UNU SUSPENSION, REAR, AIR, TANDEM {International} Ride Optimized Suspension (IROS) Heavy Duty; 52" Axle Spacing; 40,000-lb Capacity, 9.25" Ride Height, Includes Heavy Duty Spring Hangers, Crossmembers and Fasteners, With Shock Absorbers

Includes  
: CROSSMEMBER, SUSPENSION 3-Piece with Steel C-Channel and Cast Iron Ends

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.  
14WMJ AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints  
15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor

Includes  
: LOCATION FUEL/WATER SEPARATOR Mounted Left Rail in Wheel Well  
**Code Description**

15SVN FUEL TANK Top Draw; Non-Polished Aluminum, 26" Diam., 70 U.S. Gal., 265L Capacity Mounted Left Side, Back of Cab

15WDE DEF TANK 16 U.S. Gal. 60.6L Capacity, Frame Mounted Outside Left Rail, Under Cab

16030 CAB Conventional

Includes

: CLEARANCE/MARKER LIGHTS (5) Flush Mounted

: COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window

: CONSOLE, CENTER Includes Three Cup Holders and One Additional Storage Area (One Cup Holder Omitted when Automatic Transmission Push-Button Shifter Included), Located in the Lower Dash Console

: DOME LIGHT, CAB Rectangular, Door and Instrument Panel Mounted Switch Activated, Timed Theater Dimming, Center Mounted, Integral to Console

: GLASS, ALL WINDOWS Tinted

: GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side

: GRAB HANDLE, CAB INTERIOR (4) "B" Pillar and Door Mounted, Two Each Side

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

: READING LIGHT, CAB Located in Overhead Console

: STEP (4) Two Steps Per Door

16400 SEAT, PASSENGER Omit Item

16DAB CAB INTERIOR TRIM ACCENT Dark Neutral

16GCT GAUGE CLUSTER {Black Bezel} Black Face; English with English Electronic Speedometer and Tachometer for Air Brake Chassis, Includes Voltmeter, Engine Coolant Temp & Oil Pressure, Prim & Sec Air Pressure, Fuel w/Warning Ind. & Alarm; Odometer, Trip, Engine Hr., Trip Hr, Fuel Econ, Trip Average Fuel Econ

Includes

: 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)

16HKL WINDOW, WING VENT (2) Fixed

16HLJ GAUGE, DEF FLUID LEVEL

16KAM SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All Vinyl, 2 Arm Rests, Isolator, 7" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 3-14 Degree Back Angle Adjust

16SNB MIRRORS (2) {Lang Mekra} Rectangular, Thermostatically Controlled Heated Heads, Black Heads, Brackets and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing

16VUA CAB INTERIOR TRIM ; ProStar Deluxe, for Day Cab

Includes

: "A" PILLAR COVER Molded Plastic

: CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger Sun Visors

: COURTESY LIGHT (2) Driver and Passenger Door Mounted

: DOOR TRIM, EXTERIOR Black Handle

: DOOR TRIM, INTERIOR Black Handle

: FLOOR COVERING Rubber, Black

: HEADLINER Soft Padded Cloth

: INSTRUMENT PANEL TRIM Black

: STORAGE POCKET, DOOR (2) Full Length, Driver and Passenger Door

: SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console

: WINDOW CONTROLS, MANUAL Manual

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

#### **Code Description**

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16XTM ACCESS, CAB Non-Bright Aluminum; Driver & Passenger Sides, Two Steps Per Door, for use with Daycab or Sleeper Cabs

27DMA WHEELS, FRONT {Accuride} 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

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

28DMA WHEELS, REAR {Accuride} 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

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

7702498116 (2) TIRE, FRONT 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

7702498116 (8) TIRE, REAR 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply  
810004 FIFTH WHEEL LOCATION 04.0" Ahead of Rear Axle Centerline

**Services Section:**

40113 WARRANTY Standard for TranStar, 9900i, ProStar and LoneStar, Effective with Vehicles Built January 2, 2015

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**H-GAC Product Code: F19**  
**ProStar+ 122, Conv. Cab, 6x4 (LF687)**

**Model Profile**

**2017 PROSTAR+ 122 6x4 (LF687)**

**MISSION:** Requested GCWR: 80000. Calc. GVWR: 46000

**DIMENSION:** Wheelbase: 171.00, CA: 99.35, Axle to Frame: 53.00

**ENGINE, DIESEL:** {Navistar N13} EPA 2010, SCR, 410 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 1900 RPM Governed Speed, 410 Peak HP (Max)

**TRANSMISSION, MANUAL:** {Fuller FR-14210B} 10-Speed Manual, With Air Shift

**CLUTCH:** {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:** {Hendrickson Steertek NXT} Wide Track, Fabricated Type, 12,000-lb Capacity

**AXLE, REAR, TANDEM:** {Meritor MT-40-14X-3CFR} Single Reduction, 0.374"(9.5mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, Amboid Gearing in Rear-Rear Axle Gear Ratio: 3.36

**CAB:** Conventional

**TIRE, FRONT:** (2) 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

**TIRE, REAR:** (8) 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, AIR, TANDEM:** {International} Ride Optimized Suspension (IROS) Heavy Duty; 52" Axle Spacing; 40,000-lb Capacity, 9.25" Ride Height, Includes Heavy Duty Spring Hangers, Crossmembers and Fasteners,

With Shock Absorbers

**PAINT:** Cab schematic 100HR

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Code Description**

LF68700 Base Chassis, Model PROSTAR+ 122 6x4 with 171.00 Wheelbase, 99.35 CA, and 53.00 Axle to Frame.

1616 FRAME RAILS WITH TAPERED REAR

1CBV 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); 367.4" (9333mm) Maximum OAL

1LRL BUMPER, FRONT 3-Piece, Plastic, Aero, Molded Dark Gray Color

1WKJ WHEELBASE RANGE 160" (405cm) Through and Including 185" (470cm)

2AUB AXLE, FRONT NON-DRIVING {Hendrickson Steertek NXT} Wide Track, Fabricated Type, 12,000-lb Capacity

3ADC SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-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.

4092 BRAKE SYSTEM, AIR Dual System for Tractor Applications

Includes

: BRAKE LINES Color and Size Coded Nylon

: BRAKE PRESSURE INDICATOR Low Air Pressure Warning Light and Audible Alarm

: DRAIN VALVE Manually Operated (On Wet Tank Only)

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: GLAD HANDS (2) One for Service and One for Emergency; Trailer Hoses from Cab

: HAND CONTROL VALVE, AIR Mounted on Steering Column

: HOSE TENDER Back of Cab Mounted

: PARKING BRAKE CONTROL Yellow and Red Knobs, Located on Instrument Panel

: PARKING BRAKE VALVE Combination Valve for Tractor and Trailer

: QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for Forward Rear Axle

: SLACK ADJUSTERS, FRONT Automatic

: SLACK ADJUSTERS, REAR Automatic

: SWITCH, AUXILIARY Interrupter for Cab and Trailer Clearance/Marker Lights (Blinks Lights with Headlight Switch in "ON" Position); Steering Wheel Mounted

: TRACTOR PROTECTION VALVE

: TRAILER HOSES AND CABLES 15' Coiled Lighting Cable with 7-Way Connector and with 15' Coiled Nylon Brake Hose

Notes

: Front and Rear Dust Shields not Included

: Rear Axle is Limited to 40,000-lb GAWR with Code 04092 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.

4196 BRAKES, FRONT, AIR CAM 16.5" x 5", Includes 24 SqIn Long Stroke Brake Chambers

4795 SPECIAL RATING, GAWR WARNING; Rear Axle Limited to 34,000 lb 6x4 Tandem Tractor

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

4ECC AIR DRYER {Bendix AD-IS} With Heater, Includes Pressure Protection Circuits, Safety Valve, and Purge Tank

Includes

: AIR DRYER LOCATION Inside Left Rail, Aft of Transmission



4EXU BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake  
4EXV BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn  
4NDB 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

#### **Code Description**

##### **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.  
4SPM AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM Capacity, Single Cylinder  
4VHW AIR TANK LOCATION (2) : Two Mounted Under Battery Box, Outside Left Rail, Under Cab; Perpendicular to  
Rail  
5708 STEERING COLUMN Tilting  
5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black  
5PSM STEERING GEAR {Sheppard HD94} Power  
5WAJ POWER STEERING OIL COOLER Remote Mounted  
6812 INNER-AXLE SHAFT 1710 Series in lieu of 1610 Series  
7BEP EXHAUST SYSTEM Switchback Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab;  
Includes Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab  
7BEU AFTERTREATMENT COVER Non-Bright  
8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment  
Includes  
: CIGAR LIGHTER Includes Ash Cup, Center Console Mounted  
: 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  
: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light  
: STARTER SWITCH Electric, Key Operated  
: TURN SIGNAL SWITCH Manual Cancelling 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  
8GGN ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount  
8MKL BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total  
8RBN RADIO Omit Item; With Wiring and Antenna, Includes Multiple Speakers  
Includes  
: SPEAKERS IN CAB (4) Coaxial  
8RBZ SPEAKER, AUXILIARY, CB RADIO With Jack for CB; Mounted Left Side Above Driver's Door  
8RNB CB RADIO Accommodation Package; Header Mounted; Feeds From Accessory Side of Ignition Switch;  
Includes Power Source and One (1) Antenna, Antenna Base With Wiring on Left Side Mirror  
8TPP STOP, TURN, TAIL & B/U LIGHTS LED Multi-Function Lamp with LED Bulbs for Stop, Turn, Tail, Backup and  
License Plate Lights  
8WCL HORN, AIR Black, Single Trumpet, Air Solenoid Operated  
8WJN BATTERY BOX Aluminum With Plastic Cover, 30" Wide, 2, 3 or 4 Battery Capacity, Mounted Left Side Under  
Cab

#### **Code Description**

8WLL LIGHT, WORK (1) Pedestal Mounted BOC With Switch on Instrument Panel

##### **Notes**

: Feature Included with Sleeper Cab or Frame Access Packages.  
8WNH RUNNING LIGHT (2) Daytime  
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  
8WXB HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position  
8WXG STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start  
Notes  
: This starter is designed to work reliably without the need for thermal overcrank protection and provides the  
same warranty coverage as starters with thermal overcrank protection.  
8XAH CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses  
Except For 5-Amp Fuses  
8XDP HEADLIGHTS Halogen, with Park Lights and Daytime Running Lights  
9HAN INSULATION, UNDER HOOD for Sound Abatement  
9WAY FRONT END Tilting, Fiberglass, With Three Piece Construction  
Includes  
: BUG SCREEN Front End; Mounted Behind Grille  
: GRILLE Chrome

: HOOD TILT ASSIST Includes Torsion Bar Spring System  
9WBP FENDER EXTENSIONS Molded in Gray  
10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100  
Includes  
: PAINT SCHEMATIC ID LETTERS "HR"  
10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone  
10EYD FIFTH WHEEL, STATIONARY {Fontaine SL7FMA-D69-2} Cast Top Plate; 7.69" Above Top of Frame; Left Hand Roadside Release  
10UAC VEHICLE REGISTRATION IDENTITY ID for the State of California  
10WPU MUD FLAP HOLDER Spring Loaded, Bright Finish; With 45-Degree End, With Red and White Reflective Tape; Less Flaps  
10WPZ MUD FLAPS, REAR Black Poly, Anti-Sail, Anti Spray, Less Logo; Less Holders  
11MGZ CLUTCH {Eaton Fuller Easy-Pedal Advantage} Manual Adjust, Two-Plate, Cast Angle Spring; Ceramic, 15.5" Diameter, 7-Spring Damper, Mechanical Pull-Type Control, 1700 lb-ft Torque Capacity  
Includes  
: CLUTCH RELEASE BEARING Greasable  
11WAJ CLUTCH EFFECTS Hydraulic Clutch Actuation System  
12772 ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection, for N13 Engines  
12BCX ENGINE, DIESEL {Navistar N13} EPA 2010, SCR, 410 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 1900 RPM Governed Speed, 410 Peak HP (Max)

#### **Code Description**

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed  
12UBE RADIATOR Aluminum; Single Row, Down Flow System, 1429 SqIn, Front to Back, 764.1 SqIn CAC, 1123.3 SqIn LTR  
Includes  
: DEAERATION SYSTEM with Sight Glass and Remote Mounted Coolant Reservoir  
: RADIATOR HOSES Premium, Rubber  
12UNX FEDERAL EMISSIONS {Navistar N13} EPA, OBD and GHG Certified for Calendar Year 2016  
12VBC AIR CLEANER Single Element  
Includes  
: AIR CLEANER with Vacuator  
: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted  
12WCX HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type  
12WEG COLD STARTING EQUIPMENT Automatic; With Engine ECM Control  
12WZE EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations  
13GHJ TRANSMISSION, MANUAL {Fuller FR-14210B} 10-Speed Manual, With Air Shift  
Includes  
: CLUTCH BRAKE Torque Limiting  
: FILL PLUG, MAGNETIC  
13WAP TRANSMISSION LUBE PUMP for International, Fuller, Meritor or Spicer Transmissions; USE ONLY WHEN PUMP IS NOT INCLUDED STANDARD IN TRANSMISSION  
13WAS CLUTCH HOUSING Aluminum; Available With 1350 to 2050 lb-ft Capacity Fuller Transmissions  
13WGJ OIL COOLER, MANUAL TRANSMISSION Water to Oil Type Included in Radiator End Tank (REQUIRES TRANSMISSION LUBE PUMP)  
14GVD AXLE, REAR, TANDEM {Meritor MT-40-14X-3CFR} Single Reduction, 0.374"(9.5mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, Amboid Gearing in Rear-Rear Axle . Gear Ratio: 3.36  
Includes  
: POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light  
: REAR AXLE DRAIN PLUG (2) Magnetic, For Tandem 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  
14UNU SUSPENSION, REAR, AIR, TANDEM {International} Ride Optimized Suspension (IROS) Heavy Duty; 52" Axle Spacing; 40,000-lb Capacity, 9.25" Ride Height, Includes Heavy Duty Spring Hangers, Crossmembers and Fasteners, With Shock Absorbers

#### **Includes**

: CROSSMEMBER, SUSPENSION 3-Piece with Steel C-Channel and Cast Iron Ends

#### **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.

14WMJ AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints

15LKU FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In-Fuel Sensor

#### **Includes**

#### **Code Description**

: LOCATION FUEL/WATER SEPARATOR Mounted Left Rail in Wheel Well

15SVN FUEL TANK Top Draw; Non-Polished Aluminum, 26" Diam., 70 U.S. Gal., 265L Capacity Mounted Left Side,

## Back of Cab

15WDE DEF TANK 16 U.S. Gal. 60.6L Capacity, Frame Mounted Outside Left Rail, Under Cab

16030 CAB Conventional

Includes

: CLEARANCE/MARKER LIGHTS (5) Flush Mounted

: COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window

: CONSOLE, CENTER Includes Three Cup Holders and One Additional Storage Area (One Cup Holder Omitted when Automatic Transmission Push-Button Shifter Included), Located in the Lower Dash Console

: DOME LIGHT, CAB Rectangular, Door and Instrument Panel Mounted Switch Activated, Timed Theater

Dimming, Center Mounted, Integral to Console

: GLASS, ALL WINDOWS Tinted

: GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side

: GRAB HANDLE, CAB INTERIOR (4) "B" Pillar and Door Mounted, Two Each Side

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

: READING LIGHT, CAB Located in Overhead Console

: STEP (4) Two Steps Per Door

16400 SEAT, PASSENGER Omit Item

16DAB CAB INTERIOR TRIM ACCENT Dark Neutral

16GCT GAUGE CLUSTER {Black Bezel} Black Face; English with English Electronic Speedometer and Tachometer

for Air Brake Chassis, Includes Voltmeter, Engine Coolant Temp & Oil Pressure, Prim & Sec Air Pressure, Fuel

w/Warning Ind. & Alarm; Odometer, Trip, Engine Hr., Trip Hr, Fuel Econ, Trip Average Fuel Econ

Includes

: 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)

16HKR WINDOW, WING VENT (2) Fixed

16HLJ GAUGE, DEF FLUID LEVEL

16KAM SEAT, DRIVER {National 2000 Model 295} Air Suspension, Intermediate Back, All Vinyl, 2 Arm Rests, Isolator,

7" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 3-14 Degree Back Angle Adjust

16SNB MIRRORS (2) {Lang Mekra} Rectangular, Thermostatically Controlled Heated Heads, Black Heads, Brackets

and Arms, Breakaway Type, 7.55" x 14.1" Integral Convex Both Sides, 102" Inside Spacing

16VUA CAB INTERIOR TRIM ; ProStar Deluxe, for Day Cab

Includes

: "A" PILLAR COVER Molded Plastic

: CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket;

Located Above Driver and Passenger Sun Visors

: COURTESY LIGHT (2) Driver and Passenger Door Mounted

: DOOR TRIM, EXTERIOR Black Handle

: DOOR TRIM, INTERIOR Black Handle

: FLOOR COVERING Rubber, Black

: HEADLINER Soft Padded Cloth

: INSTRUMENT PANEL TRIM Black

: STORAGE POCKET, DOOR (2) Full Length, Driver and Passenger Door

: SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console

: WINDOW CONTROLS, MANUAL Manual

## Code Description

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

16XTM ACCESS, CAB Non-Bright Aluminum; Driver & Passenger Sides, Two Steps Per Door, for use with Daycab or Sleeper Cabs

27DMA WHEELS, FRONT {Accuride} 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

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

28DMA WHEELS, REAR {Accuride} 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

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

7702498116 (2) TIRE, FRONT 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply  
7702498116 (8) TIRE, REAR 295/75R22.5 G399A LHS FUEL MAX (GOODYEAR) 517 rev/mile, load range G, 14 ply  
810004 FIFTH WHEEL LOCATION 04.0" Ahead of Rear Axle Centerline

**Services Section:**

40113 WARRANTY Standard for TranStar, 9900i, ProStar and LoneStar, Effective with Vehicles Built January 2, 2015  
or Later, CTS-2004V

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