

Cattaraugus County Department of Public Works, Highway Division
 303 Court Street
 Little Valley, NY 14755

Specifications for (3) 2017 tandem axle trucks with snowfighting equipment

Vehicle Configuration
4700 SET-FORWARD FRONT AXLE CHASSIS
2017 MODEL YEAR
SET FORWARD AXLE - TRUCK
TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK
LH PRIMARY STEERING LOCATION
DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)
CONSTRUCTION SERVICE
GOVERNMENT BUSINESS SEGMENT
DIRT/SAND/ROCK COMMODITY
TERRAIN/DUTY: 10% (SOME) OF THE TIME, IN TRANSIT, IS SPENT ON NON-PAVED ROADS
MAXIMUM 8% EXPECTED GRADE
MAINTAINED GRAVEL OR CRUSHED ROCK - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
EXPECTED FRONT AXLE(S) LOAD : 22000.0 lbs
EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs
EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 68000.0 lbs
EXPECTED GROSS COMBINATION WEIGHT : 68000.0 lbs
FRONT PLOW/END DUMP BODY
EXPECTED TRUCK BODY LENGTH : 14.0 ft
EXPECTED TRUCK BODY WIDTH : 96.0 in
Engine and Equipment
DETROIT DD13 12.8L 450 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB/FT @ 975 RPM
ENABLE AUTO ENGINE RPM ELEVATE FOR EXTENDED IDLE
2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17
2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)
STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND FILL
ONE PIECE VALVE COVER
SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE
(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 3375 CCA THREADED STUD BATTERIES
BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL
SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
NON-POLISHED BATTERY BOX COVER
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT
BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE
AIR COMPRESSOR DISCHARGE LINE

ELECTRONIC ENGINE INTEGRAL WARNING AND DERATE PROTECTION SYSTEM
JACOBS COMPRESSION BRAKE
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP
13 GALLON DIESEL EXHAUST FLUID TANK
100 PERCENT DIESEL EXHAUST FLUID FILL
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
NON-POLISHED ALUMINUM DIESEL EXHAUST FLUID TANK COVER
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD
BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH
AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED
DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR
FULL FLOW OIL FILTER
1500 SQUARE INCH ALUMINUM RADIATOR
MOUNTING FOR FIREWALL MOUNTED SURGE TANK
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE
1350 ADAPTER FLANGE FOR FRONT PTO PROVISION
PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER
NO OIL PREHEATER
CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR
ALUMINUM FLYWHEEL HOUSING
DELCO 12V MOD 3.175-39MT+ OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH
Transmission and Equipment
ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV
ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 3, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR, BLUNT CUT, MOUNTED BETWEEN DRIVER AND PASSENGER SEATS
CUSTOMER INSTALLED CHELSEA 277 SERIES PTO
PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED
TRANSMISSION PROGNOSTICS - ENABLED 2013
WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

MFS-20-133A 22,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE
MERITOR 16.5X6 Q+ 22,000# CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
NON-ASBESTOS FRONT BRAKE LINING
CONMET CAST IRON FRONT BRAKE DRUMS
FRONT BRAKE DUST SHIELDS
SKF SCOTSEAL PLUS XL FRONT OIL SEALS
VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL
STANDARD SPINDLE NUTS FOR ALL AXLES
HALDEX AUTOMATIC FRONT SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS
STANDARD KING PIN BUSHINGS
TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR
POWER STEERING PUMP
4 QUART POWER STEERING RESERVOIR
OIL/AIR POWER STEERING COOLER
SYNTHETIC 75W-90 FRONT AXLE LUBE
23,000# FLAT LEAF FRONT SUSPENSION
THREADED SPRING PINS AND BUSHINGS - FRONT SUSPENSION
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE
4.89 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES
MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES
DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES
(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AXLE VALVE AND (1) REAR-REAR AXLE VALVE
INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH
INDICATOR LIGHT FOR EACH DRIVER CONTROLLED TRACTION DEVICE SWITCH
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
NON-ASBESTOS REAR BRAKE LINING
ASPHALT SPREADER CLEARANCE REAR BRAKE GEOMETRY
CONMET CAST IRON REAR BRAKE DRUMS
REAR BRAKE DUST SHIELDS
SKF SCOTSEAL PLUS XL REAR OIL SEALS
HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS
HALDEX AUTOMATIC REAR SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS
SYNTHETIC 75W-90 REAR AXLE LUBE
HENDRICKSON HAULMAAX REAR SUSPENSION @ 46,000#
HENDRICKSON HAULMAAX/ULTIMAAX - 10.50" RIDE HEIGHT
54 INCH AXLE SPACING
HENDRICKSON HN, HAULMAAX AND ULTIMAAX SERIES STEEL BEAMS WITH BAR PIN
FORE/AFT AND TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - TWO AXLES (TANDEM)

Brake System

WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES

FIBER BRAID PARKING BRAKE HOSE
STANDARD BRAKE SYSTEM VALVES
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
BW AD-9SI BRAKE LINE AIR DRYER WITH HEATER
BENDIX OIL COALESCING FILTER FOR AIR DRYER
AIR DRYER MOUNTED OUTBOARD ON LH RAIL
STEEL AIR TANKS MOUNTED AFT INSIDE AND/OR BELOW FRAME JUST FORWARD OF REAR SUSPENSION
CLEAR FRAME RAIL 36 INCHES FROM BACK OF CAB INSIDE/OUTBOARD AND BELOW RH FRAME RAIL
BW DV-2 AUTO DRAIN VALVE WITH HEATER TO WET TANK; DRAIN VALVE CABLES ON ALL OTHER TANKS
Trailer Connections
AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS
PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION
SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME
Wheelbase & Frame
5225MM (206 INCH) WHEELBASE
1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI
PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION
BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
1525MM (60 INCH) REAR FRAME OVERHANG
FRAME OVERHANG RANGE: 51 INCH TO 60 INCH
24 INCH INTEGRAL FRONT FRAME EXTENSION
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 124.78 in
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 116.78 in
CALC'D FRAME LENGTH - OVERALL : 317.69
CALC'D SPACE AVAILABLE FOR DECKPLATE : 124.78 in
CALCULATED FRAME SPACE LH SIDE : 29.66 in
CALCULATED FRAME SPACE RH SIDE : 74.54 in
SQUARE END OF FRAME
STANDARD WEIGHT ENGINE CROSSMEMBER
STANDARD CROSSMEMBER BACK OF TRANSMISSION
STANDARD MIDSHIP #1 CROSSMEMBER(S)
STANDARD REARMOST CROSSMEMBER
HEAVY DUTY SUSPENSION CROSSMEMBER
STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER
Chassis Equipment
14 INCH PAINTED STEEL BUMPER
FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS
GRADE 8 THREADED HEX HEADED FRAME FASTENERS
100 GALLON/378 LITER ALUMINUM FUEL TANK - LH
25 INCH DIAMETER FUEL TANK(S)
PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH POLISHED STAINLESS STEEL BANDS
FUEL TANK(S) FORWARD
PLAIN STEP FINISH
FUEL TANK CAP(S)
EQUIFLO INBOARD FUEL SYSTEM
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

Tires / Hubs / Wheels

MICHELIN XZY-3 425/65R22.5 20 PLY RADIAL FRONT TIRES

MICHELIN XDE M/S 11R24.5 16 PLY RADIAL REAR TIRES

CONMET PRESET PLUS IRON FRONT HUBS

CONMET PRESET PLUS IRON REAR HUBS

ACCURIDE 29374A 22.5X12.25 10-HUB PILOT 4.75 INSET 10-HAND ALUMINUM DISC FRONT WHEELS

ACCURIDE 28827 24.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS

POLISHED FRONT WHEELS; OUTSIDE ONLY

ACCURIDE 28827 24.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC SPARE WHEEL

NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES

Cab Exterior

110 INCH BBC STEEL CONVENTIONAL CAB

WESTERN STAR PAINTED ALUMINUM CAB SKIRT

AIR CAB MOUNTS WITH CHECK VALVE

STAINLESS STEEL SILL PLATES

NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE

FRONT FENDERS

2 INCH FENDER EXTENSIONS

LH AND RH EXTERIOR GRAB HANDLES WITH RUBBER INSERTS AND RH INTERIOR GRAB HANDLE MOUNTED TO A POST

STATIONARY BRIGHT FINISH GRILLE

CHROME HOOD MOUNTED AIR INTAKE GRILLE

GALVANEAELED STEEL SEVERE SERVICE CAB

FIBERGLASS HOOD WITH ACCESS HATCHES

TUNNEL/FIREWALL LINER

DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS

SINGLE ELECTRIC HORN

DUAL HORN SHIELDS

ALL UNITS KEYED THE SAME WITH (3) KEYS, KEY CODE TO BE D540

REAR LICENSE PLATE MOUNT END OF FRAME

SWITCH AND WIRING WITH STAINLESS STEEL BRACKETS MOUNTED OUTBOARD ROOF FOR (2) CUSTOMER FURNISHED BEACONS

SINGLE RECTANGULAR SEALED BEAM HEADLIGHTS WITH BRIGHT BEZELS

(5) AMBER MARKER LIGHTS

WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER

INTEGRAL STOP/TAIL/BACKUP LIGHTS

STANDARD FRONT TURN SIGNAL LAMPS

DUAL MEKRA AERO BRIGHT FINISH HEATED DUAL AXIS 1-PIECE MOTORIZED MIRRORS WITH LIGHTS, LH AND RH REMOTE AND INTEGRAL CONVEX MIRRORS

CAB MOUNTED MIRRORS

102 INCH EQUIPMENT WIDTH

DUAL MEKRA BRIGHT FINISH HEATED CONVEX MIRRORS WITH MANUAL ADJUSTMENT AND DUAL AXIS FOR 1-PIECE PRIMARY MIRRORS

RH DOWN VIEW MIRROR

STANDARD SIDE/REAR REFLECTORS

RH AFTERTREATMENT SYSTEM CAB ACCESS WITH PLAIN DIAMOND PLATE COVER

17.5X35 INCH TINTED REAR WINDOW

TINTED DOOR GLASS

RH AND LH ELECTRIC POWERED WINDOWS

2-PIECE TINTED CURVED GASKET MOUNTED WINDSHIELD

2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL

Cab Interior

SMOKY MOUNTAIN GRAY VINYL PREMIUM INTERIOR

BLACK HARD TRIM

PREMIUM LEFT HAND DOOR TRIM WITH CHERRY ACCENT

PREMIUM RIGHT HAND DOOR TRIM WITH CHERRY ACCENT

BLACK MATS WITH DOUBLE INSULATION

DASH MOUNTED ASH TRAY AND LIGHTER, DRIVER SIDE

FORWARD ROOF MOUNTED CONSOLE

PASSENGER SIDE WING DASH MOUNTED GLOVE BOX WITH LOCKING DOOR

14"X7.75" DOCUMENT POUCH MOUNTED ON BACK WALL BETWEEN SEATS

LH AND RH DOOR MAP POCKETS

COAT HOOK ON RH BACKWALL OF CAB

(1) DOUBLE CUP HOLDER WITH CELL PHONE HOLDER LH OR RH DASH

TWO-TONE CHARCOAL UPPER/COOL GRAY LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER

STANDARD WIRING

2-1/2 LB. FIRE EXTINGUISHER MOUNTED OUTBOARD OF DRIVER SEAT

HEATER, DEFROSTER AND AIR CONDITIONER WITH COSMETIC COVER

HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER AND OUTSIDE PRE-FILTER

MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH

STANDARD HEATER PLUMBING

DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR

RADIATOR MOUNTED AIR CONDITIONER CONDENSER

BINARY CONTROL, R-134A

ADDITIONAL CAB SIDEWALL INSULATION

AUTOMATIC SELF-RESET CIRCUIT BREAKER IN MAIN DASH POWER DISTRIBUTION BOX AND CIRCUIT BREAKER/FUSE IN AUXILIARY POWER DISTRIBUTION BOXES

DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT WITH LH AND RH DOOR MOUNTED COURTESY LIGHTS AND LH AND RH READING LIGHTS

CAB DOOR LATCHES WITH MANUAL DOOR LOCKS

(1) 12 VOLT POWER SUPPLY IN DASH

TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB

PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER

PREMIUM HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER

INBOARD DRIVER AND PASSENGER SEAT ARMRESTS

BLACK MORDURA CLOTH DRIVER SEAT COVER

BLACK MORDURA CLOTH PASSENGER SEAT COVER

3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS

ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN

2-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL(S)

DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

NON-ADJUSTABLE SUSPENDED PEDALS

STAR GAUGES WITH BRIGHT BEZELS

FIGURED CHERRY WOODGRAIN ULTRA GLOSS FINISH DRIVER INSTRUMENT PANEL

FIGURED CHERRY WOODGRAIN ULTRA GLOSS FINISH CENTER INSTRUMENT PANEL
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
(1) SINGLE BRAKE APPLICATION AIR GAUGE
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS
87 DB TO 112 DB SELF-ADJUSTING BACKUP ALARM
CRUISE CONTROL SWITCHES IN THE CENTER PANEL
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
WARNING LAMP/LIGHT BAR DISPLAY, NON-DATA LINKED
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH
2 INCH ELECTRIC FUEL GAUGE
FUEL FILTER RESTRICTION INDICATOR
EMISSIONS LIMITED IDLE ADJUST
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP
ELECTRIC ENGINE OIL PRESSURE GAUGE
AM/FM/WB RADIO WITH BLUETOOTH AND MICROPHONE, FRONT USB PORT, FRONT AND REAR AUXILIARY INPUTS AND J1939
ROOF/OVERHEAD CONSOLE MOUNTED RADIO
(4) RADIO SPEAKERS IN CAB
AM/FM ANTENNA MOUNTED ON LH FRONT A-PILLAR
POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE
NO CB ANTENNA, BRACKET OR LEAD
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER
STANDARD VEHICLE SPEED SENSOR WITH ADDITIONAL SIGNAL FOR CUSTOMER USE LOCATED BETWEEN DRIVER AND PASSENGER SEATS
ELECTRONIC 3000 RPM TACHOMETER WITH HOUR METER
DETROIT CONNECT VIRTUAL TECHNICIAN CONNECTIVITY PACKAGE (DETROIT ENGINES ONLY)
2 YEARS DETROIT CONNECT VIRTUAL TECHNICIAN REMOTE DIAGNOSTICS SERVICE
IGNITION SWITCH CONTROLLED ENGINE STOP
SIX IGNITION CONTROLLED EXTRA SWITCHES WITH INDICATOR LIGHT, 20 AMPS, WIRED BEHIND PASSENGER SEAT
BW TRACTOR PROTECTION VALVE
TRAILER HAND CONTROL BRAKE VALVE
2 INCH VOLTMETER
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES
CAB MARKER LIGHT AND HEADLIGHT SWITCH WITH SEPARATE SWITCH AND TERMINALS FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS AND TURN SIGNALS
TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR
VSM NON CANCELING TURN SIGNAL SWITCH WITH INTEGRAL HEADLAMP DIMMER WITH BRAKE OVERRIDE
PACIFIC INSIGHT ELECTRONIC FLASHER
Design / Color
PAINT: ONE SOLID COLOR
CAB COLOR A: L0824EB YELLOW ELITE BC (TOP OF HOOD FLAT BLACK)
CAB INTERIOR PAINTED SAME AS CAB COLOR
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
POWDER WHITE (N0006EA) SPARE WHEEL/RIM (PKWHT21, TKWHT21, W, TW)

BUMPER PAINTED SAME AS CHASSIS
FENDER, UNDER CAB AND INTERIOR CAB FLOOR UNDERCOATING
Certification / Compliance
U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS
Secondary Factory Options
CORPORATE PDI CENTER OPTION INSTALLATION/MODIFICATION ONLY
Extended Warranty
EW4 DD13 VOC \$0 DEDUCTIBLE 7 YEAR/250000 MILES FULL COVERAGE
Dealer Installed Options
ENGINE DIAGNOSTICS PROVIDE CONNECTIONS AND SOFTWARE AT NO CHARGE FOR DETROIT DD13 ENGINE
RF AIR BAG FOR WING PLOW APPLICATION TO MEET COUNTYS SPECIFICATIONS (LOADSHARE)
FILTERS PROVIDE (1) SET OF FILTERS PER UNIT TO MEET COUNTY REQUEST

QTY	Description / Dump Body and Snowfighting Equipment
1	Custom Hitch with mtg. bolts nuts and pins (P10)
1	S10500F - Custom Hitch Plow & Wing Mount-Power Tilt (incl. yoke) NOTE FULL BUMPER FOR TO BE MADE FOR SUMMER USE NOTE USE DOUBLE CHAIN LOOP>< CATT COUNTY STYLE WORK LIGHT MOUNTED ONTO FRONT HITCH - own switch
1	S10951F - Tail Plate Kit for Univ. Tilt Hitch with frame ext. ADDED THIS BECAUSE THE CHASSIS WILL BE A WESTERN STAR
1	S11010 - 4" x 10" DA Cylinder (cannot be used with Husting Hitches)
1	S12000 - No Pump Bracket - AUTOMATIC TRANSMISSION
1	S13010 - Push Center, 30-1/2"
1	S15100F - Quick Disconnects for Lift Cylinder
1	S31500F - FAH48 All Hydraulic Assembly w/mtg. brk't (3 x 48 cyl.) MIRROR MOUNTED ON BACKSIDE - SPOT LIGHT MOUNTED FACING FRONT - own switch
1	S33300F - Full Trip Hinge (not to be used with trip edge wing)
1	S34000F - Quick Disconnects for Front Wing Cylinder (1 per front mast)
1	S60040 - 144WHD RH WING WELDMENT - Standard RH Wing
1	S60300 - 10 deg. Fabricated Shoe CAST WING SHOES
1	S60420 - Steel Blade 12" punching - for 144 Wing
1	S60746 - Rubber Blade Option (in addition to steel blade option) -For 144 Wing
1	S61076F - Full Trip HD Hydraulic Arms (cushion spring lower)
1	S72104F - Transmission Mounted PTO - hot shift EXTENDED SHAFT MODEL CHELSEA 890 SERIES
1	S22030F - 40 Gallon (RH) Cabinet Mount (for H600 & H700 Series Rear Mast)
1	S22100F - Oil Filter Condition Indicator
1	S22111 - Hyd Oil Line Shut Off (each) 2" (must use with load sense systems)
1	S22116F - Low Oil Sensor (for frame tank)
1	S20001F - CUSTOMIZED HYDRAULIC PACKAGE - REXROTH QUOTE OPTION "B" TRANSMISSION MOUNT PUMP - WET SPLINE WITH LOW OIL SHUT DOWN BLOCK

QTY	Description / Dump Body and Snowfighting Equipment
1	S26430F - Full Mount with tandem pump and power reverse
1	Include work Light mounted onto front hitch, mirror onto front post, wing light, spinner light
1	S79117F - Factory Install - Revolving Light or Strobe Light
1	S79200F - Factory Install - Dump Body - Contractor Style & ELP
1	S79310F - Factory Install - Tarp System, semi-automatic or electric
1	S79400F - Factory Install - Sander - V Box (dump body mtd.)
1	S79180F - Factory Install - Electric Spreader control (piped to rear of cab)
1	S79010F - Factory Install - Full Mount
1	S79100F - Factory Install - Plow Lights
1	S70010F - Plow Lights (Truck Lite) (for use with one way plows)
1	S70121F - LED Lights Stop/Tail/Turn - back of body (pair)
1	S70388F - LED Strobe Amber Flashing Lights - back of body (pair)
1	S70386F - LED Back Up Lights - back of body (pair)
4	S70100F - Wing or Auxiliary Light (Truck Lite) WORK LIGHT MOUNTED ONTO FRONT HITCH - WORK LIGHT MOUNTED ONTO FRONT OF FRONT POST - WING LIGHT MONTED ONTO PATROL MOUNT - SANDER LIGHT LEFT LOOSE WITH WEATHERPAK CONNECTION
1	LIGHT BAR MOUNTED ONTO FACTORY ROOF LIGHT MOUNTS - ROOF STROBE TO BE MOUNTED ONTO LIGHT BAR
1	S70398F - Strobe Light - LED9016LEDV-AA-C - Magnetic Roof Mount
1	S70351F - Pintle Hook 25 Mount and Plate - CHASSIS LIGHTS MOUNTED INTO PLATE WITH TRAILER PLUG GLAD HANDS AND "D" RINGS NEED TO PREVIEW NEW LATOUT OF PINTLE PLATE
1	S70360F - 7 Way Trailer Plug
1	S89319F - Glad Hands
1	S70149F - Hardwood Sideboards (set)
1	S70154F - Viking Folding Ladder
1	S70303F - Tarp Rods TWO ON EACH SIDE - BEAU ROC
1	S70304F - Mud Flaps, rear rubber (std. with dump body)
1	S70338F - Shovel Holder for Dump Body
1	S70376F - Mud Flaps, front rubber (std. with dump body)
1	S70147F - Poly Fenders for Tandem Axle Trucks
1	S70500 - Dump Body - BEAU ROC STAINLESS 14 X 42 X 54 - 10" LONG MEMNERS, TWO TARP RAILS EACH SIDE, SHOVEL HOLDER, CENTER COAL DOOR WITH EXTENDED HANDLE to driver side, "D" RINGS WELDED FRONT OF BODY FOR SANDER TIE DOWN, ONE TOP OF TAILGATE, FOUR INSIDE BODY FOR HANDLEING - FOUR BANJO EYES(TWO SETS) NOTE 112" CT 40FT OVERALL FROM TIP OF PLOW TO BACK OF SANDER NOTE: OVERHANG FROM CENTER OF HINGE PIN TO END OF FLOOR TO BE 18" STEPS INSIDE CORNERS - 8" APRON Estimated 24 - 26" from center of Hinge to end of Apron, Center of Hinge to be at rear of wheels
1	S71000 - Tarp System Electric TBD current model a Role Rite, possible Change to Donovan because of Height situations
1	S71500 - V Box Sander SMITH SSV 13, Same as 2014 Models, Have Smith Mount Light Boxes and install "feet" on lower crossmembers to sit on bed of truck Stainless Steel Lines Run along sander to connect @ front of Body
1	ONE WAY PLOWS, HIGH SPEED COMPRESSION SPRING One Way Moldboard, Compression Spring (no shoes or blades)
1	S50101 - 2654HS9 Moldboard (RH) - One Way, Compression Spring (no shoes or blades)
1	S50210 - Fabricated Nose Piece - 3/4" thick (must use with 60 deg. mold shoe)

QTY	Description / Dump Body and Snowfighting Equipment
1	S50360 - Carbide Blade 12" punching, with steel cover blade - for 9' Moldboard
1	S50502 - Compression Spring One Way Pushframe (includes inner arm)
1	S50510 - 30-1/2" pushlug swivel (cannot be used with 2 stage or 4572 one way)
1	S50550 - #65 Adj. Pushframe Shoes, Alloy (pair)
1	S50610 - Moldboard Shoe 60 degree (1 pc.) (for use with carbide blades)
1	S50685 - Plow Marker for One Way Moldboard, flexible fluorescent orange, 36" high
1	Rear Mast Weldment - includes slides, cylinders, mounting brackets - no tank)
1	S40504F - Hydraulic Lift H1096 (RH) Rear Mast Assembly (includes poly valve box cover)
1	S40390 - Polymer Valve Box Cover - black only (for single rear mast)