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A proposal for

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Jul 14, 2021

Western Star 4700SF

Components shown may not reflect all spec'd options and are not to scale

S P E C I F I C A T I O N P R O P O S A L

Description	Weight Front	Weight Rear
Price Level		
WESTERN STAR 4700 PRL-26T (EFF:7/26/21)		
Data Version		
SPECPRO21 DATA RELEASE VER 006		
Vehicle Configuration		
4700 SET-FORWARD FRONT AXLE CHASSIS	9,100	6,570
2023 MODEL YEAR SPECIFIED		
SET FORWARD AXLE - TRUCK		
STRAIGHT TRUCK PROVISION, NON-TOWING		
LH PRIMARY STEERING LOCATION		
General Service		
TRUCK CONFIGURATION		
DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
CONSTRUCTION SERVICE		
CONSTRUCTION BUSINESS SEGMENT		
DRY BULK COMMODITY		
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
MAXIMUM 8% EXPECTED GRADE		
SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
WESTERN STAR VOCATIONAL WARRANTY		
EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs		
EXPECTED REAR DRIVE AXLE(S) LOAD : 17500.0 lbs		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 29500.0 lbs		
Truck Service		
FLATBED/PLATFORM/STAKE BODY		
GODWIN MANUFACTURING COMPANY		

Description	Weight Front	Weight Rear
Engine		
CUM L9 260 HP @ 2200 RPM; 2200 GOV RPM, 860 LB-FT @ 1200 RPM	-850	-70
Electronic Parameters		
75 MPH ROAD SPEED LIMIT CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED PTO MODE CLUTCH OVERRIDE - CLUTCH ENABLED REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
Engine Equipment		
2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG21 CONFIGURATION 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 SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE (3) DTNA GENUINE, AGM STARTING AND CYCLING, MIN 2190CCA, 570RC, THREADED STUD BATTERIES PASSENGER SEAT BATTERY BOX VENTED TO OUTSIDE OF CAB BATTERY BOX MOUNTED UNDER PASSENGER SEAT WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN PLASTIC BATTERY BOX COVER LOW VOLTAGE BATTERY DISCONNECT AT 12.3 VOLTS FOR ISOLATED CIRCUITS WITH LOCAL ALARM EATON ADVANTAGE 15-1/2 INCH SELF ADJUSTING CLUTCH BABCOCK 2-PIECE CLUTCH BRAKE ZERK FITTING WITH EXTENSION HOSE AT CLUTCH RELEASE BEARING	-5	

Description	Weight Front	Weight Rear
HYDRAULIC CLUTCH CONTROL		
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
AIR COMPRESSOR DISCHARGE LINE		
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
NO RETARDER/ENGINE BRAKE		
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE	-30	-20
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
STANDARD EXHAUST SYSTEM LENGTH		
RH STANDARD HORIZONTAL TAILPIPE		
6 GALLON DIESEL EXHAUST FLUID TANK		
100 PERCENT DIESEL EXHAUST FLUID FILL		
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
NO MUFFLER/TAILOPIPE SHIELD	-10	
HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
CUMMINS SPIN ON FUEL FILTER		
COMBINATION FULL FLOW/BYPASS OIL FILTER		
1300 SQUARE INCH ALUMINUM RADIATOR	-20	
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		
RADIATOR DRAIN VALVE		
NO RADIATOR/OIL PAN GUARD	-5	
NO BLOCK HEATER		
NO OIL PREHEATER		
ALUMINUM FLYWHEEL HOUSING		

Description	Weight Front	Weight Rear
ELECTRIC GRID AIR INTAKE WARMER		
DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH	-35	
Transmission		
EATON FULLER FR-14210B TRANSMISSION	-180	-100
Transmission Equipment		
ALUMINUM CLUTCH HOUSING	-50	
CUSTOMER INSTALLED CHELSEA 870 SERIES PTO		
PTO MOUNTING, RH SIDE OF MAIN TRANSMISSION		
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION FILL AND DRAIN, AXLE(S) FILL AND DRAIN		
PAINTED SHIFT LEVER, SOLID LINKAGE		
NO TRANSMISSION OIL COOLER	-15	
SYNTHETIC TRANSMISSION LUBE		
Front Axle and Equipment		
DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	-190	
MERITOR 15X4 Q+ CAM FRONT BRAKES	-10	
NON-ASBESTOS FRONT BRAKE LINING		
CONMET CAST IRON FRONT BRAKE DRUMS		
FRONT OIL SEALS		
VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
STANDARD SPINDLE NUTS FOR ALL AXLES		
MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
STANDARD KING PIN BUSHINGS		
TRW THP-60 POWER STEERING	-40	
POWER STEERING PUMP		
2 QUART SEE THROUGH POWER STEERING RESERVOIR		
SYNTHETIC 40/50W FRONT AXLE LUBE		
Front Suspension		
12,000# DUAL TAPERLEAF FRONT SUSPENSION	-188	
MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		

Description	Weight Front	Weight Rear
Rear Axle and Equipment		
RS-21-160 21,000# R-SERIES SINGLE REAR AXLE		-2,300
3.58 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-25	-25
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
NON-ASBESTOS REAR BRAKE LINING		
BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)		
GUNITE CAST IRON REAR BRAKE DRUMS		-10
REAR OIL SEALS		
WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		-20
MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
MINERAL SAE 80/90 REAR AXLE LUBE		
Rear Suspension		
23,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		30
SPRING SUSPENSION - NO AXLE SPACERS		
STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
FORE/AFT CONTROL RODS		
Brake System		
WABCO 4S/4M ABS		
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-9 BRAKE LINE AIR DRYER WITH HEATER	20	
AIR DRYER MOUNTED OUTBOARD ON LH RAIL		
STEEL AIR BRAKE RESERVOIRS; CUSTOMER ACCEPTS TANKS MOUNTED PERPENDICULAR TO RAIL	10	10

Description	Weight Front	Weight Rear
PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
Wheelbase & Frame		
4200MM (165 INCH) WHEELBASE		
11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	-80	40
1600MM (63 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 84.13 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 81.13 in		
CALC'D FRAME LENGTH - OVERALL : 245.31		
FRAME HEIGHT TOP FRONT UNLADEN : 39.96 in		
FRAME HEIGHT TOP FRONT LADEN : 37.62 in		
FRAME HEIGHT TOP REAR UNLADEN : 41.0 in		
FRAME HEIGHT TOP REAR LADEN : 37.73 in		
CALCULATED FRAME SPACE LH SIDE : 45.13 in		
CALCULATED FRAME SPACE RH SIDE : 127.76 in		
CALC'D SPACE AVAILABLE FOR DECKPLATE : 77.78 in		
SQUARE END OF FRAME		
STANDARD WEIGHT ENGINE CROSSMEMBER		
STANDARD CROSSMEMBER BACK OF TRANSMISSION		
STANDARD MIDSHIP #1 CROSSMEMBER(S)		
STANDARD REAR MOST CROSSMEMBER		
HEAVY DUTY SUSPENSION CROSSMEMBER		10
STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER		
Chassis Equipment		
16 INCH PAINTED STEEL BUMPER		
NO LICENSE PLATE MOUNTING		
FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS		
GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
EXTERIOR HARNESSSES WRAPPED IN ABRASION TAPE		
Fuel Tanks		

Description	Weight Front	Weight Rear
60 GALLON/227 LITER ALUMINUM FUEL TANK - LH 25 INCH DIAMETER FUEL TANK(S) PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS FUEL TANK(S) FORWARD PLAIN STEP FINISH FUEL TANK CAP(S) DAVCO 245 FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR EQUIFLO INBOARD FUEL SYSTEM HIGH TEMPERATURE REINFORCED NYLON FUEL LINE	20	
Tires		
CONTINENTAL HSR2 11R22.5 14 PLY RADIAL FRONT TIRES	16	
CONTINENTAL HSR2 11R22.5 14 PLY RADIAL REAR TIRES		32
Hubs		
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels		
ACCURIDE 28828 22.5X8.25 10-HUB PILOT 6.18 INSET 2-HAND HD STEEL DISC FRONT WHEELS	26	
MAXION WHEELS 90262 22.5X8.25 10-HUB PILOT 5-HAND STEEL DISC REAR WHEELS FRONT WHEEL MOUNTING NUTS REAR WHEEL MOUNTING NUTS NO PUSHER/TAG WHEEL MOUNTING NUTS		36
Cab Exterior		
110 INCH BBC STEEL CONVENTIONAL CAB WESTERN STAR PAINTED ALUMINUM CAB SKIRT AIR CAB MOUNTS WITH CHECK VALVE NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE FRONT FENDERS		

Description	Weight Front	Weight Rear
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		
HEAVY DUTY STEEL CAB FLOOR		
FIBERGLASS HOOD		
HOOD OPENING ASSIST		
SINGLE HADLEY SD-978 26 INCH RECTANGULAR AIR HORN	-4	
SINGLE ELECTRIC HORN		
SINGLE HORN SHIELD		
DOORS AND IGNITION KEYED THE SAME		
REAR LICENSE PLATE MOUNT END OF FRAME		
SINGLE RECTANGULAR H4 HALOGEN HEADLIGHTS WITH BRIGHT BEZELS		
(5) AMBER MARKER LIGHTS		
INTEGRAL STOP/TAIL/BACKUP LIGHTS		
STANDARD FRONT TURN SIGNAL LAMPS		
DUAL WEST COAST STAINLESS STEEL MIRRORS		
DOOR MOUNTED MIRRORS		
102 INCH EQUIPMENT WIDTH		
LH AND RH 8 INCH STAINLESS STEEL CONVEX MIRRORS MOUNTED BELOW PRIMARY MIRRORS		
NO AUXILIARY MIRROR		
STANDARD SIDE/REAR REFLECTORS		
17.5X35 INCH TINTED REAR WINDOW		
TINTED DOOR GLASS		
MANUAL DOOR WINDOW REGULATORS		
2-PIECE TINTED CURVED BONDED WINDSHIELD		
2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL		

Cab Interior

- GRAY VINYL BASE INTERIOR
- BLACK HARD TRIM
- BASE LEFT HAND DOOR TRIM
- BASE RIGHT HAND DOOR TRIM
- BLACK MATS WITH SINGLE INSULATION

Description	Weight Front	Weight Rear
NO DASH MOUNTED ASH TRAY, POWER RECEPTACLE IN LIEU OF LIGHTER		
FORWARD ROOF MOUNTED CONSOLE		
LH AND RH DOOR MAP POCKETS		
(2) COAT HOOKS ON BACKWALL OF CAB		
NO CUP/THERMOS HOLDER		
TWO-TONE CHARCOAL UPPER/COOL GRAY LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER		
HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER		
HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER		
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
STANDARD HEATER PLUMBING		
VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
BINARY CONTROL, R-134A		
CAB INSULATION		
AUTOMATIC SELF-RESET CIRCUIT BREAKERS/FUSES IN DASH POWER DISTRIBUTION BOXES AND FUSES IN AUXILIARY POWER DISTRIBUTION BOXES		
DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS		
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT		
BATTERY BOX MID BACK NON SUSPENSION PASSENGER SEAT		
GRAY VINYL DRIVER SEAT COVER		
GRAY VINYL PASSENGER SEAT COVER		
3 POINT HIGH VISIBILITY ORANGE RETRACTOR DRIVER AND PASSENGER SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		

Description	Weight Front	Weight Rear
4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES DRIVER AND PASSENGER INTERIOR SUN VISORS		
Instruments & Controls		
NON-ADJUSTABLE SUSPENDED PEDALS ELECTRONIC ACCELERATOR CONTROL BRIGHT ARGENT FINISH GAUGE BEZELS BLACK VINYL DRIVER INSTRUMENT PANEL BLACK VINYL CENTER INSTRUMENT PANEL LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM 2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY ICU4ME DRIVER MESSAGE CENTER WITH GRAPHICAL DISPLAY, BLACK FACE GAUGES, DIAGNOSTICS AND DATA LINKED HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH 2 INCH ELECTRIC FUEL GAUGE EMISSIONS LIMITED IDLE ADJUST ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE NO TRANSMISSION TEMPERATURE GAUGE ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER ELECTRIC ENGINE OIL PRESSURE GAUGE POWER AND GROUND STUDS TOP OF DASH AND COBRA 29WX NW ST FACTORY INSTALLED CB RADIO IN OVERHEAD CONSOLE ROOF/OVERHEAD CONSOLE CB RADIO PROVISION NO CB ANTENNA, BRACKET OR LEAD ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER	5	

Description	Weight Front	Weight Rear
STANDARD VEHICLE SPEED SENSOR		
ELECTRONIC 3000 RPM TACHOMETER		
NO VEHICLE PERFORMANCE MONITOR	-5	
IGNITION SWITCH CONTROLLED ENGINE STOP		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
CAB/TRAILER MARKER LIGHT SWITCH WITH SEPARATE HEADLIGHT SWITCH WITH HEADLIGHT/MARKER LIGHT INTERRUPTER SWITCHES ON STEERING WHEEL		
ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
MANUAL TURN SIGNAL SWITCH, HEADLAMP HIGH/LOW AND FLASH, WASH/WIPE/INTERMITTENT		
PACIFIC INSIGHT ELECTRONIC FLASHER		

Design

PAINT: ONE SOLID COLOR

Color

CAB COLOR A: L0006EY WHITE ELITE EY
 CAB INTERIOR PAINTED SAME AS CAB COLOR
 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
 POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
 POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
 BUMPER PAINTED SAME AS CHASSIS

Certification / Compliance

U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS

Secondary Factory Options

DEALER HAS BEEN ADVISED OF AND ACCEPTED RESPONSIBILITY FOR MODIFICATIONS DUE TO POSSIBLE PTO/CHASSIS INTERFERENCE

Raw Performance Data

CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 81.13 in

Description	Weight Front	Weight Rear
CALC'D SPACE AVAILABLE FOR DECKPLATE : 77.78 in		

Sales Programs

STARQUOTE STOCK TRUCK SALES PROGRAM

T O T A L V E H I C L E S U M M A R Y

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	7455 lbs	4183 lbs	11638 lbs
Total Weight⁺	7455 lbs	4183 lbs	11638 lbs

(+) Weights shown are estimates only.
 If weight is critical, contact Customer Application Engineering.

(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.