

Prepared for:
 NC SHERIFFS ASSOCIATION
 PO BOX 20049
 RALEIGH, NC 27619

Prepared by:
 Terry Keith
 Excel Truck Group
 4633 Equipment Drive
 Charlotte, NC 28269

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

Data Code	Description	Weight Front	Weight Rear
Price Level			
PRL-27M	M2 PRL-27M (EFF:MY24 ORDERS)		
Data Version			
DRL-016	SPECPRO21 DATA RELEASE VER 016		
Vehicle Configuration			
001-172	M2 106 CONVENTIONAL CHASSIS	5,709	3,450
004-224	2024 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-002	STRAIGHT TRUCK PROVISION		
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-002	TRUCK CONFIGURATION		
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-006	RESCUE AND EMERGENCY SERVICE		
A84-1EV	EMERGENCY VEHICLES BUSINESS SEGMENT		
AA4-011	FIXED LOAD COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-002	ROUGH, MAINTAINED, CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-091	MEDIUM TRUCK WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 8000.0 lbs.		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 15000.0 lbs.		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 23000.0 lbs.		
Truck Service			
AA3-024	AMBULANCE BODY		
A89-99D	BRAKING-EXPECTED CAB TO BODY CLEARANCE : 3.0 in		
AF3-2EJ	TBD		

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RTK-1AA	APPROVAL TO SHARE SPEC WITH TEM		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine			
101-22C	CUMMINS B6.7 300EV HP @ 2600 RPM, 2600 GOV, 660 LB-FT @ 1600 RPM, R/F/E		
Electronic Parameters			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-014	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT AND SET SPEED SAVE		
79F-004	CUMMINS TRIP INFORMATION REPORTS ENABLED; LEVEL 1: 4 MPH, LEVEL 2: 7 MPH ABOVE ROAD SPEED LIMIT		
80C-004	ENGINE BRAKE WITH CRUISE CONTROL ENABLED AT 2 MPH ABOVE SET SPEED, 1 MPH INCREMENT BETWEEN BRAKING LEVELS		
80F-001	AUTOMATIC MAINTENANCE MONITOR WITH ALERT AT 5% OF INTERVAL REMAINING		
EA8-010	ENG PROT ON LOW COOLANT LEVEL - ENABLE		
Engine Equipment			
99C-021	2010 EPA/CARB/GHG21 CONFIGURATION		
99D-010	NO 2008 CARB EMISSION CERTIFICATION		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER		
124-1E7	DR 12V 275 AMP 40-SI BRUSHLESS PAD ALTERNATOR WITH REMOTE BATTERY VOLTAGE SENSE	10	
292-221	(2) DTNA GENUINE, HIGH TEMP AGM STARTING AND CYCLING, MIN 1850CCA,380RC, THREADED STUD BATTERIES	10	
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-060	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH WITH LOCKING PROVISION MOUNTED OUTBOARD DRIVER SEAT	2	

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295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-039	GVG, FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING		
128-1AR	CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF WITH BRAKE LAMPS	20	
016-106	RH INBOARD FRAME MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH LH HORIZONTAL TAILPIPE EXITING FORWARD OF REAR TIRES	-30	-30
28F-007	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND DASH MOUNTED SINGLE REGENERATION REQUEST/INHIBIT SWITCH		
239-001	STANDARD EXHAUST SYSTEM LENGTH		
237-027	LH HORIZONTAL TAILPIPE, EXIT FORWARD OF REAR TIRES	20	20
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
273-004	BORG WARNER VISCOUS FAN DRIVE		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-001	FULL FLOW OIL FILTER		
266-100	700 SQUARE INCH ALUMINUM RADIATOR		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-007	GATES POWERGRIP SHRINK BAND HOSE CLAMPS WHERE POSSIBLE		
270-016	RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD		
134-001	ALUMINUM FLYWHEEL HOUSING		
132-004	ELECTRIC GRID AIR INTAKE WARMER		

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Data Code	Description	Weight Front	Weight Rear
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		
Transmission			
342-1MT	ALLISON 2500 EVS AUTOMATIC TRANSMISSION WITH PTO PROVISION		
Transmission Equipment			
343-301	ALLISON VOCATIONAL PACKAGE 354 - AVAILABLE ON 1000/2000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, EVS, HS, MH, PTS AND SPS		
84B-003	ALLISON VOCATIONAL RATING FOR FIRE TRUCK/EMERGENCY VEHICLE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-007	PRIMARY MODE GEARS, 6 FORWARD GEARS WITH MANUAL SELECTION FOR 3, 2 AND 1, AVAILABLE FOR 1000/2000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84N-200	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
353-066	VEHICLE INTERFACE WIRING CONNECTOR WITH BLUNT CUTS, AT END OF FRAME		
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		



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345-073	DASH MOUNTED T-HANDLE CABLE SHIFT CONTROL WITH PARK BRAKE POSITION		
97G-006	TRANSMISSION PROGNOSTICS - DISABLED (N/A) 2013, FOR USE IN 1000/2000 ONLY		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
346-001	TRANSMISSION OIL CHECK AND FILL		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

400-1EW	DETROIT DA-F-8.0-3 8,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE		
402-021	MERITOR 15X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
403-026	FIRE AND EMERGENCY SEVERE SERVICE, NON-ASBESTOS FRONT LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
409-006	FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER, AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-031	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
536-050	TRW THP-60 POWER STEERING		
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
40T-004	GUARANTEED NAME BRAND "ROADRANGER SYNTHETIC" FE 75W-90 FRONT AXLE LUBE		

Front Suspension

620-032	8,000# TAPERLEAF FRONT SUSPENSION	-30	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
629-007	HEAVY DUTY FRONT STABILIZER BAR		
410-001	FRONT SHOCK ABSORBERS		

Rear Axle and Equipment

420-1M3	MERITOR MS-17-14X 17,500# R-SERIES QUIET RIDE SINGLE REAR AXLE		-30
421-463	4.63 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		

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386-093	RPL10 MERITOR SERVICE-FREE MAIN DRIVELINE WITH HALF ROUND (16T) YOKES	-20	-20
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
87B-001	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH, DEACTIVATE >25 MPH		
423-028	MERITOR 15X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		-20
433-025	FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR BRAKE LINING		
434-005	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS		
451-001	CAST IRON OUTBOARD REAR BRAKE DRUMS		20
440-006	REAR OIL SEALS		
426-1B2	BENDIX EVERSURE LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
428-031	HALDEX AUTOMATIC REAR SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
41T-003	GUARANTEED NAME BRAND "ROADRANGER SYNTHETIC" FE 75W-90 REAR AXLE LUBE		

Rear Suspension

622-1CY	LIQUIDSPRING CONVERSION AT FREIGHTLINER CTC; COMPONENTS WARRANTIED BY LIQUIDSPRING		-40
623-002	TRANSVERSE CONTROL RODS		

Brake System

018-002	AIR BRAKE PACKAGE		
490-121	WABCO 4S/4M ABS WITH TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-001	STANDARD AIR SYSTEM PRESSURE PROTECTION AND 85 PSI PRESSURE PROTECTION FOR AIR HORN(S)		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-047	BW AD-IS (DRM) BRAKE LINE AIR DRYER WITH SHIELD, HEATER, AND INTEGRAL RESERVOIR		

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479-014	AIR DRYER RESERVOIR MOUNTED		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-006	BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER ON ALL TANK(S)		
Trailer Connections			
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT		
Wheelbase & Frame			
545-442	4425MM (174 INCH) WHEELBASE		
546-101	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	10	120
552-030	1600MM (63 INCH) REAR FRAME OVERHANG		
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 108.66 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 105.66 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 276.18 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 83.06 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 84.13 in		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment			
556-1CN	THREE-PIECE 14 INCH CHROME STEEL BUMPER WITH COLLAPSIBLE ENDS AND LH AND RH WING CUTOUTS FOR FEDERAL MS100/ES100/ES100C SPEAKERS	30	
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15	
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
551-002	HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		

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489-032	FACTORY INSTALLED BENDIX SMARTIRE TPMS WITH WHEEL RIM MOUNTED SENSORS & STANDARD GAUGE MOUNTED IN DASH ON J1939 500K.	6	6
605-103	D15-28195-000 CENTER PUNCH TO MARK CENTERLINE OF REAR SUSPENSION ON TOP FLANGE OF FRAME		
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
Fuel Tanks			
206-190	40 GALLON/151 LITER RECTANGULAR ALUMINUM FUEL TANK - RH	70	20
204-217	34 GALLON/128 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH		
218-005	RECTANGULAR FUEL TANK(S)		
215-004	POLISHING OF FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-004	POLISHED STAINLESS STEEL STEP FINISH		
207-005	FUEL TANK FILLER NECK ANTI-SIPHON INSERT		
205-002	CHROME FUEL TANK CAP(S)		
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			
093-1TM	MICHELIN X MULTI Z 285/70R19.5 16 PLY RADIAL FRONT TIRES	-64	
094-1TN	MICHELIN X MULTI D 285/70R19.5 16 PLY RADIAL REAR TIRES		-64
Hubs			
418-058	CONMET PRESET PLUS PREMIUM ALUMINUM FRONT HUBS	-30	
450-058	CONMET PRESET PLUS PREMIUM ALUMINUM REAR HUBS		-30
Wheels			
502-1E5	ALCOA 77362X 19.5X7.50 10-HUB PILOT 5.23 INSET ALUMINUM DISC FRONT WHEELS	-64	
505-1E5	ALCOA 77362X 19.5X7.50 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-128
524-001	POLISHED FRONT WHEELS; OUTSIDE ONLY		

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525-001	POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY		
50W-005	BENDIX SMARTIRE TIRE PRESSURE MONITORING SYSTEM WHEEL/RIM MOUNTED SENSORS, FRONT AND REAR AXLES		8
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
498-019	ALLIGATOR/V2B DUAL SEAL INFLATOR CAPS, FRONT AND REAR		
Cab Exterior			
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-009	RUBBER CAB MOUNTS		
705-012	CAB ROOF REINFORCEMENTS FOR ROOF MOUNTED COMPONENTS	2	
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
678-067	SAFETY YELLOW LH AND RH INTERIOR GRAB HANDLES AND LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT		
646-023	HOOD MOUNTED CHROMED PLASTIC GRILLE		
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
690-017	HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION	5	
727-1B0	DUAL 25 INCH ROUND STUTTER TONE HOOD MOUNTED AIR HORNS	8	
726-001	SINGLE ELECTRIC HORN		
728-002	DUAL HORN SHIELDS		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-088	LED HEADLIGHT ASSEMBLY AND INCANDESCENT MARKER/TURN LAMP WITH CHROME BEZEL		
302-047	LED AERODYNAMIC MARKER LIGHTS		
311-019	HEADLIGHTS ON WITH WIPERS, WITH DAYTIME RUNNING LIGHTS		
294-094	OMIT STOP/TAIL/BACKUP LIGHTS AND PROVIDE WIRING WITH SEPARATE STOP/TAIL WIRES TO 7 FEET BEYOND END OF FRAME		-5
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
469-014	AUTOMATIC ON/OFF, ENGINE COMPARTMENT, HOOD ACTIVATED WORK LIGHT WITH MANUAL OVERRIDE	1	



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744-103	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LED LIGHTS AND LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
74B-1A4	RH AND LH ROSCO EYE-MAX UPPER LP BALL STUD MOUNT CROSSVIEW HEATED MIRRORS (5365IH) WITH TRIPOD BRACKETS	4	
729-001	STANDARD SIDE/REAR REFLECTORS		
677-016	DUAL LEVEL CAB ENTRY STEPS ON BOTH SIDES		
275-061	PARK BRAKE REMINDER WARNING SYSTEM		
764-010	COMPOSITE EXTERIOR SUN VISOR	10	
768-998	NO REAR WINDOW	-20	
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
654-027	RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4	
663-013	1-PIECE SOLAR GREEN GLASS WINDSHIELD		
659-020	2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL INDICATOR, FRAME MOUNTED		

Cab Interior

707-1AK	OPAL GRAY VINYL INTERIOR		
706-026	MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
708-026	MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
772-006	BLACK MATS WITH SINGLE INSULATION		
691-014	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS AND ADDITIONAL CENTER COMPARTMENT WITHOUT NETTING		
694-010	IN DASH STORAGE BIN		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-006	GRAY/CHARCOAL FLAT DASH		
860-004	SMART SWITCH EXPANSION MODULE		
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		

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701-013	STANDARD HVAC DUCTING WITH PRE-FILTER FOR OUTSIDE AIR INTAKE		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-045	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY		
130-043	(1) VALEO HEAVY DUTY AND (1) SANDEN COMPACT REFRIGERANT COMPRESSORS	20	
702-002	BINARY CONTROL, R-134A		
739-034	PREMIUM INSULATION		
285-027	SOLID-STATE CIRCUIT PROTECTION AND FUSES WITH SPARE FUSE KIT		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-011	DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
78G-006	KEY QUANTITY OF 6		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-101	(1) 12V POWER SUPPLY (1) DUAL 2.1 AMP USB CHARGER IN DASH		
756-339	PREMIUM ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	70	
760-339	PREMIUM ISRINGHAUSEN HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	60	20
759-002	INBOARD DRIVER AND PASSENGER SEAT ARMRESTS	4	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-014	BLACK CORDURA PLUS CLOTH DRIVER SEAT COVER		
761-014	BLACK CORDURA PLUS CLOTH PASSENGER SEAT COVER		
763-104	HIGH VISIBILITY ORANGE SEAT BELTS WITH DRIVER INDICATOR LIGHT AND AUDIBLE ALARM		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		
67E-006	INTERFACE CONNECTORS AND WIRING FOR CUSTOMER PROVIDED LED STEP LIGHTING		

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 LiquidSpring



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Prepared for:
 NC SHERIFFS ASSOCIATION
 PO BOX 20049
 RALEIGH, NC 27619

Prepared by:
 Terry Keith
 Excel Truck Group
 4633 Equipment Drive
 Charlotte, NC 28269

Data Code	Description	Weight Front	Weight Rear
Instruments & Controls			
732-003	WOODGRAIN DRIVER INSTRUMENT PANEL		
734-003	WOODGRAIN CENTER INSTRUMENT PANEL		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-034	INTAKE MOUNTED AIR RESTRICTION INDICATOR W/ COLOR LED WARNING LIGHT, 18 INCH AND 20 INCH LIMITS		
721-003	87 DECIBELS TO 112 DECIBELS AUTOMATIC SELF-ADJUSTING BACKUP ALARM		3
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
33A-051	WIRING PROVISION FOR CUSTOMER FURNISHED ROOF MOUNTED LIGHTBAR WITH 2 WIRES HANDLE UP TO 30 AMPS OF CURRENT		
72J-998	NO DR ASSIST SYSTEM		
49B-004	ELECTRONIC STABILITY CONTROL		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-998	NO OVERHEAD INSTRUMENT PANEL		
746-136	AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT, J1939	10	
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-040	24 INCH AM/FM ANTENNA MOUNTED ON LH SIDE MIRROR, RG-62		
74D-002	RADIO WIRING WITH POWER CUTOFF WHEN VEHICLE IN REVERSE GEAR		

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810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
162-011	IDLE LIMITER, ELECTRONIC ENGINE		
81Y-001	PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH		
264-028	(2) LH AND RH FOOT SWITCHES WITH DASH SWITCH FOR HORN BUTTON TO CONTROL AIR HORN, DEFAULT TO ELECTRIC <85 PSI		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-025	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY PROGRAMMED TO SLOWEST SPEED WITH PARK BRAKE SET		
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
27D-004	ALTERNATING FLASHING HEADLAMP SYSTEM WITH BODY BUILDER CONTROLLED ENGAGEMENT		
882-017	ONE VALVE PARKING BRAKE SYSTEM WITH SHIFTER CONTROLLED AUTOPARK AND WARNING INDICATOR		
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER, AND HAZARD IN HANDLE		
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		

Design

065-000 PAINT: ONE SOLID COLOR

Color

980-5F6 CAB COLOR A: L0006EY WHITE ELITE EY
 986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
 976-995 SUNVISOR PAINTED SAME AS CAB COLOR A
 963-003 STANDARD E COAT/UNDERCOATING

Extended Front Axle Coverage

WA4-047 AXLE: DETROIT FRONT ONLY: MD MODERATE 5 YEARS/100,000 MILES/161,000 KM EXTENDED AXLE COVERAGE

Certification / Compliance

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996-009	U.S. AND CANADA (DUAL CERTIFICATION), EXCEPT SALES CABS AND GLIDER KITS		

Secondary Factory Options

998-032	CORPORATE PDI CENTER OPTION INSTALLATION/MODIFICATION ONLY		
99B-001	SHIP TO FONTAINE (MOUNT HOLLY, NC) PRIOR TO DELIVERY		

Extended Warranty

WBB-344	TC4: MD MODERATE 5 YEARS/100,000 MILES / 161,000 KM EXTENDED TRUCK COVERAGE. FEX APPLIES		
WAL-231	AXLE: NON-DETROIT SINGLE REAR ONLY: MD MODERATE 5 YEARS/100,000 MILES/161,000 KM EXTENDED COVERAGE		
WAG-078	TOWING: 5 YEARS/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$750 CAP FEX APPLIES		

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D I M E N S I O N S

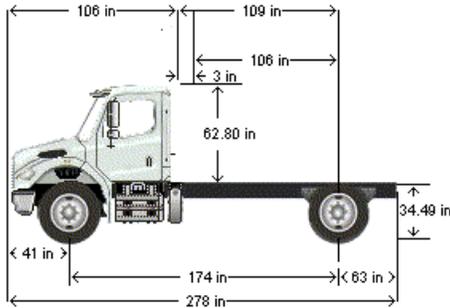


TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	106.3
Bumper to Centerline of Front Axle (BA)	40.7
Front Axle to Back of Cab (AC)	65.6
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	108.7
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	105.7
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	171.7
Cab Height (CH)	62.8
Wheelbase (WB)	174.2
Frame Overhang (OH)	63.0
Overall Frame Length	276.2
Overall Length (OAL)	278.0
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	34.5

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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