



## Shop Order

Fredericton Regional Centre  
 Suite 2300  
 300 St. Mary's Street  
 Fredericton, NB E3A 2S4

Harcourt Fire Department

<b>Sales Rep:</b> Gordon Green Metalfab Ltd.	<b>Terms:</b> Chassis, body and equipment NET 30 days
<b>Drawing #:</b> FT-11113 (generic)	
<b>Est. Delivery Date:</b> / /	
<b>Customer PO #:</b> P106901819	<b>Penalty:</b> \$100.00 per working day after 12 months of the Pre-construction meeting(January 12.2019)
<b>Customer #:</b>	
<b>QPF #:</b>	

**Quote No:** PNB - Harcourt-0511  
**Job/Order No:** WO # 20872  
 06/08/2020

PART NO	QTY	DESCRIPTION
	1	== Metalfab Tanker - ULC 05/13 - 0.000 ==
	1	CHANGE ORDER E
00-10-1000	1	Metalfab Tanker E
00-20-1000	1	Company Profile E
00-20-1501	1	<b>One year base warranty</b> <b>If the vehicle requires repairs at the Manufacturers facility or their Authorized Repair Facility, all costs including transportation costs to and from that facility, shall be the responsibility of the Manufacturer (for the warranty period).</b>
00-20-1550	1	Metalfab Limited Ten (10) Year Paint and Corrosion Warranty
00-20-1700	1	Hale Pump Warranty - 5 years
00-20-1800	1	Polypropylene Tank Lifetime Warranty
00-20-2100	1	<b>Plant Inspection Visits - five inspection visits for three representatives</b> <b>Up to five visits for three representatives - times and dates to be determined.</b>
00-20-3000	1	No Bonding Required
00-20-3500	1	Certification for Fusion Welding of Aluminum
00-20-4000	1	<b>Quality System registered to ISO 9001:2015</b>
00-20-4500	1	Fire Apparatus Manufacturers' Association Membership
	1	<b>GENERAL INFORMATION</b>
10-11-0000	1	Intent E
10-11-0110	1	<b>Vehicle data recorder included with chassis</b>
10-11-1101	1	<b>ULC S515-13 and NFPA 1901-2016 Compliance</b>
10-11-1600	1	ULC Testing - Tanker
10-11-2100	1	<b>Maximum length - 330" (May vary among the six units)</b>
10-11-2200	1	<b>Maximum height - 114-1/4"</b> <b>The maximum height will be 114-1/4"</b>
10-11-2300	1	Overall length is less than 30'
10-11-2500	1	General Construction
10-11-2600	1	<b>Preconstruction Meeting</b> <b>Held January 12.2019 in Fredericton, NB</b>
10-11-3000	1	<b>Manuals - three copies (2 hard copies, 1 electronic)</b> <b>Two (2) copies and one (1) electronic copy of complete operation and service manuals will be provided covering the completed apparatus (body and equipment) as delivered and</b>

PART NO	QTY	DESCRIPTION
		accepted, including the pump, wiring diagrams, lubrication charts, and fire fighting equipment delivered with the apparatus. Chassis manuals are those supplied by the chassis manufacturer. Body manuals are to include a parts list and a recommended service and maintenance schedule. Body manuals shall also contain the following drawings: <ul style="list-style-type: none"> <li>• All electrical drawings;</li> <li>• Accessory mounting;</li> <li>• All drawings shall be ledger size - 11" x 17".</li> </ul>
10-11-3600	1	<b>Delivery - FOB Fire Department - minimum eight hours training</b> The completed unit is to only be delivered in 2020 for the department's new budget.
10-11-4300	1	<b>Payment Terms - Chassis and Body NET 30</b>
10-20-1200	1	Hose bed capacity - standard ULC Tanker
10-20-2200	1	<b>Equipment carrying capacity - standard ULC Tanker</b> This vehicle is designed to carry the standard ULC miscellaneous equipment load of 1000 pounds for a Tanker.
	1	<b>CHASSIS INFORMATION</b>
20-11-1000	1	<b>Chassis supplied by Metalfab - International HV607 450 HP</b> International HV607 2 door 44,000 lb GVW 14,000 lb front axle 30,000 lb rear axle 207" wheelbase 139.90" cab to axle Cummins L9 450 HP @ 2100 rpm 2200 governed rpm 1250 lb-ft torque @ 1400 rpm Maximum speed 110 km/hr Allison 3000 EVS automatic transmission, 5 speed, LH side opening for PTO installation 325 Amp alternator 189 litre fuel tank, 24" diameter, left side under cab Electronic stability program Tires to be dated within six (6) months preceding chassis manufacture date. Two 12 volt power points and one USB power point Flashing headlights Polished aluminum wheels c/w stainless nut covers, hub caps, high hats Single color - 2303 Red ***May require extension cables/harness' so the switch packs and indicator light packs for Diamond Logic can be relocated to the center console 20-31-7500.*** Chassis will not have a sun visor due to the overall height restriction as approved 04.16.2019 by the province and the Fire department.
20-11-1500	1	2013 Emission chassis modifications
20-11-1700	1	<b>Chassis Motor Vehicle Inspection required - NB E</b> Chassis is provided with a New Brunswick Motor Vehicle Inspection dated the month of delivery.
20-21-0500	1	<b>Fluid capacity plate</b>
20-21-0600	1	<b>Pumping test plate</b>
20-21-1000	1	<b>Maximum riders sign - 2 persons</b>
20-21-1500	1	<b>Seat belt warning labels - 2 door chassis</b>
20-21-1520	1	<b>Helmet warning label - do not wear helmet</b>
20-21-1530	1	<b>Tire Pressure Indicators - Single Axle</b>
20-21-1600	1	<b>Apparatus Information Label</b> An information label is provided in the chassis cab, visible to the driver, stating: "When manufactured, this vehicle was: ** m high ** m long ** kg GVW Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"

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20-21-2000	1	Non removable key
20-21-2500	1	Shifter lock not required E
20-21-3500	1	Rear step warning label
<b>20-21-3810</b>	<b>1</b>	<b>Front mudflaps provided with chassis E</b>
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only
<b>20-31-0500</b>	<b>1</b>	<b>Alum tread fuel tank trim, Conv - 2 door</b> Vertical trim only, OEM cab steps remain
<b>20-31-1900</b>	<b>1</b>	<b>Chassis cab painted single color by chassis OEM</b>
<b>20-31-7500</b>	<b>1</b>	<b>Console in cab</b> Install switch panel (50-11-0900), siren (50-11-14AA), door ajar light (Diamond Logic with chassis), Equipment rack not stowed warning light (Diamond Logic with chassis), switch for On Spot chains (20-41-5500), Signal Master control (50-11-7600), radio provisions (50-35-0500), Velcro strip for the wireless Visibeam control (50-21-3088), PTO hour meter (70-20-2100), and pump PTO shift (30-51-1500) in console. Storage area with hinged cover and lift and turn latch provided at rear of console. Gray Zolatone finish ***Layout to be confirmed at the Pre-construction meeting***
<b>20-41-0600</b>	<b>1</b>	<b>No intake air shutoff for engine</b>
<b>20-41-0900</b>	<b>1</b>	<b>Auxiliary braking system disabled when pumping</b>
20-41-1100	1	Transmission programming - Allison WT ***Includes "Pump Engaged" light next to pump shift on chassis instrument panel.
20-41-1500	1	Extend exhaust pipe - RS front of rear wheels E Engineering to specify exhaust pipe material as required by the chassis manufacturer. Engineering to sign off on the exhaust configuration to make sure it meets the chassis manufacturer's emission specifications.
<b>20-41-1801</b>	<b>1</b>	<b>Battery boost terminals not required - batteries accessible</b>
20-41-2000	1	Chassis batteries remain in OEM location
20-41-2510	1	Fuel fill at step fuel tank under cab
20-41-2600	1	Chassis fuel tank remains in OEM location
<b>20-41-5100</b>	<b>1</b>	<b>Rear Tow Hook - pintle hook E</b> On rear of body under dump line
<b>20-41-5500</b>	<b>1</b>	<b>ON SPOT Automatic traction chains</b> Control to be on the 20-31-7500 console within easy reach of the driver.
<b>20-51-0700</b>	<b>1</b>	<b>Master Battery Disconnect included with chassis</b>
<b>20-51-2500</b>	<b>1</b>	<b>Back up alarm included with chassis</b>
20-51-3400	1	Protection valve installed for air operated accessories
<b>20-51-3500</b>	<b>1</b>	<b>Air outlet</b> Located on left side pump panel
<b>20-51-4000</b>	<b>1</b>	<b>Auto eject for air inlet - LS</b> Located on left side pump panel
<b>20-51-6502</b>	<b>1</b>	<b>Kussmaul Battery Conditioner 1200 with Auto Eject and readout</b> Battery conditioner mounted behind console/drivers seat. Auto Eject and readout located on left side pump panel
<b>20-51-7101</b>	<b>1</b>	<b>Electric System Management - Diamond Logic</b>
<b>20-51-7300</b>	<b>1</b>	<b>Low Voltage Alarm in cab - Diamond Logic</b>
<b>20-51-8510</b>	<b>1</b>	<b>Engine compartment light - LED</b> Switched by the park brake to match the Pumpers and as discussed at the 01.12.2019 meeting
<b>20-51-9000</b>	<b>1</b>	<b>Air horns on hood, driver lanyard and officer momentary switch</b> Chassis OEM controls for air horns will be acceptable - a lanyard for driver and a

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		momentary dash mounted switch for the Officer.
20-52-3000	1	<b>Chassis steering wheel lined up by Richwil</b> The chassis steering wheel will be straightened after the body and load is applied - prior to delivery to the customer.
20-52-4009	1	<b>Pro-Vision Video System - Front, right, left, and rear view camera system - DVR</b> Monitor to be mounted on dash inside cab Cameras mounted similar to Bath, NB M18-20025 Metalfab p/n 1530928 (ref PO #64470) SOPT #1247 - truck specific
20-60-0400	1	Chassis wheelbase does not change
20-90-1500	1	<b>12 volt power point E</b> Install on dash next to the two supplied with the chassis.
	1	<b>PUMP AND PLUMBING</b>
30-11-1000	1	Hale AP PTO pump - 420 IGPM
30-15-0304	1	<b>Plumbing - non manifold pump SM SS E</b>
30-20-0500	1	Valves and controls - side mount panel
30-20-1003	1	<b>Elkhart valves</b> Suction and discharge valves are Elkhart brand.
30-20-1610	1	<b>Piping stainless steel - non manifold Tanker</b> Schedule 10 stainless pipe is acceptable.
30-20-1700	1	<b>1-1/2" thread specifications - NPSH</b> All 1 1/2" threads shall be NPSH with Red Head Storz adapter
30-20-1800	1	<b>2-1/2" thread specifications - 2.960x8 BCT</b> Both 2-1/2" suction and discharge threads shall be 2.960x8 BCT with Red Head Storz adapter supplied.
30-20-18AA	1	<b>Red Head Storz adapters to Customer's threads</b> Adapters shall be supplied for all 2 1/2" discharges and 2 1/2" suction inlets including the SSRV discharge to adapt from dept thread to Red Head Storz . (ref SOPT #46 - truck specific) Department shall supply thread specification of their existing hoses. NPSH for 1.5" and 2.960x8 BCT for 2.5"
30-20-2000	1	<b>Piping hydrostatic test</b>
30-20-2510	1	<b>Anodes in suction and discharge piping - non manifold pump</b> Install one anode on discharge side of pump, one anode on suction side of pump - do not use teflon tape or thread sealant. Paint flange silver and mask brass anode before painting for visibility.
30-21-5520	1	<b>Tank to Pump SS 3" w/ check valve non manifold pump</b> 4" piping and check valve
30-31-4020	1	<b>Suction - 6" not gated each side SS non manifold pump 6" header</b>
30-32-7550	1	<b>Suction - 2-1/2" left side SS, bleeder, non manifold pump</b>
30-41-2040	1	<b>2-1/2" RS discharge SS, bleeder, non manifold pump</b>
30-41-2540	1	<b>2-1/2" LS discharge SS, bleeder, non manifold pump</b>
30-43-1520	2	<b>2-1/2" rear discharge SS, plumbed 2-1/2", bleeder</b>
30-44-0520	2	<b>1-1/2" crosslay (each) SS, 2" valve, bleeder</b> The transverse hose bed is equipped with stainless steel rollers on each end for easier hose removal, the hose rollers shall be vertical and horizontal around the hose opening. The bottom of the crosslay area is lined with black turtle tile. The crosslay area shall be 14" wide with one (1) divider. This allows for each lay to carry

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		two (2) stacks of 1¾" hose without overlap.
30-51-0400	1	<b>Pump shift - PTO Pump and Roll</b> ***Includes "Pump Engaged" indicator lights in cab and on the pump panel. ***Includes "Throttle Ready" indicator light on Pump operating panel Includes indicator light in cab showing "OK TO PUMP" when transmission is in neutral, park brake is set, and PTO control energized. The remote electronic throttle will be energized in this mode. Includes indicator light in cab showing "OK TO PUMP AND ROLL" when the transmission is not in neutral, the park brake is not set, and the PTO control is energized. The remote electronic throttle will not be energized in this mode.
30-51-1500	1	<b>Power shift PTO - Automatic transmission</b> To drive the pump 30-11-1000.
30-51-1501	1	PTO driveshaft E
30-51-6640	1	<b>Class One "TPG Plus" Governor/Throttle</b>
30-51-7002	1	<b>Suction side relief V/V, non manifold pump</b> Requires 2-1/2" Red Head Storz adapter.
30-51-7718	1	<b>Trident Automatic Air Primer 3 barrel 1 location with gauge</b>
30-51-7720	1	<b>Additional air tank for air primer system</b> An additional air tank is provided to improve air primer capacity
30-51-8100	1	<b>Heat exchanger included with chassis</b>
30-52-1000	1	Master drain V/V, 12 port
30-52-3001	1	Foam system not requested E
30-99-15AA	1	<b>3" Tank fill</b> The tank fill valve will be 3" SOPT 240
	1	<b>WATER AND FOAM TANKS</b>
40-11-2100	1	Polypropylene water tank (Imperial gallons)
40-11-2200	1	Water tank capacity certification (tank manufacturer)
40-11-6500	1	<b>Tank capacity 1500 Imperial Gallons</b>
40-21-1000	1	<b>4" tank to pump connection</b>
40-22-1000	1	<b>3" tank fill connection</b>
40-23-0500	1	1" water level gauge connection
40-23-1060	1	<b>10" Newton dump connection</b>
40-30-0500	1	<b>Sump drain valve (3" gate valve) with linkage E</b> Located left side of tank so no interference with drive line or exhaust.
40-30-1200	1	<b>Water Fill Box - middle left side</b> The fill box will be on the left side 40" from the front of the tank to limit water spillage as discussed with Roland Caissie and the Fire Department on 08.21.2019.
40-31-3500	1	<b>10" rear Newton dump, stainless steel</b>
40-31-5500	1	<b>Electric operator for Newton dump, top mount</b> Switch is located on the left rear above the tail lights and flashing warning light. Provisions are made to allow manual operation of the dump line in the event of an emergency.
40-31-5610	1	<b>Stainless Steel dump with rotating chute and telechute</b> SOPT #2
40-31-9010	1	<b>4" Red Head Storz rear fill, Fireman's Friend</b> Right of dump line on rear, bleeder required.

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
	<b>1</b>	<b>ELECTRICAL</b>
<b>50-11-0450</b>	<b>1</b>	<b>Base electrical system - International Diamond Logic multiplex</b> The instrument panel lights, engine compartment lights, rear step lights, ground lights, work lights, hose bed cover lights will be switched by the park brake to match the Pumpers and as discussed at the 01.12.2019 meeting
<b>50-11-0600</b>	<b>1</b>	<b>Warning Light Certification</b>
<b>50-11-0700</b>	<b>1</b>	<b>Low Voltage Electrical system test</b>
<b>50-11-0800</b>	<b>1</b>	<b>Low Voltage Electrical System Documents</b> As required by ULC and NFPA standards
<b>50-11-0900</b>	<b>1</b>	<b>Rocker switch panel with master warning switch</b> ***Rocker switch assignments: MASTER -LIGHT BAR RED -REAR BEACONS -FLASHING WARNING -REAR FLOODS
<b>50-11-1470</b>	<b>1</b>	<b>Whelen 200 Watt Siren - Model 295SLSC1</b> P/N 1570997 SOPT #954a
<b>50-11-1630</b>	<b>1</b>	<b>Siren speaker, 200 Watt, in front bumper</b>
<b>50-11-2600</b>	<b>1</b>	<b>Siren to be accessible to driver and officer</b>
<b>50-11-5000</b>	<b>1</b>	<b>Code 3 LED 21TR47 light bar NFPA</b> The light bar will be a Code 3 21TR47 to meet the height restriction.
<b>50-11-58AA</b>	<b>1</b>	<b>Code 3 lighting package</b>
<b>50-11-7600</b>	<b>1</b>	<b>Rear LED Signal Master warning lights</b> Model SL8. Control will be located in the 20-31-7500 console.
<b>50-11-8000</b>	<b>1</b>	<b>Rear beacons-Code 3 550 red (pr)</b> The rear beacons will be from Code 3 to match the remaining emergency light package.
<b>50-12-0400</b>	<b>1</b>	<b>Front flashers (pr)-red Code 3 45R LED</b> The front flashers will be from Code 3 to match the remaining emergency light package.
<b>50-12-1100</b>	<b>1</b>	<b>Front side inter lts (pr)-red Code 3 45R LED</b> The front side flashers will be from Code 3 to match the remaining emergency light package.
<b>50-12-1200</b>	<b>1</b>	<b>Body side inter lts (pr)-red Code 3 45R LED</b> The body side flashers will be from Code 3 to match the remaining emergency light package.
<b>50-12-1300</b>	<b>1</b>	<b>Rear flashers (pr)-red Code 3 45R LED</b> The rear flashers will be from Code 3 to match the remaining emergency light package.
<b>50-21-1505</b>	<b>1</b>	<b>Unity LED Rear Floods (pr)</b> These lights cannot be managed as they are required for ULC. SOPT #255a
<b>50-21-2535</b>	<b>2</b>	<b>FRC telescoping Spectra LED 12-Volt flood (ea)</b> SPA530-Q15-SW-ON-NS-H One each side on front of front end. Lights are switched on the light head. These lights can be managed to shed. Hazard switch wired to the equipment not stowed warning light in cab.
<b>50-21-3088</b>	<b>1</b>	<b>Federal Signal Wireless Visibeam</b> P/N 1031564

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		The rear portion of the light shall be shielded to avoid potential of light shining in driver's eyes. Shield is to be painted to match cab. The wireless control will be located on the console with a Velcro strip.
50-21-5110	1	<b>Compartment lighting - LED tube lights in each compartment (flush doors)</b> Switched with the doors to match the Pumpers and as discussed at meeting of 01.12.2019
50-21-5500	1	<b>Door Ajar warning light</b> Included with the Diamond Logic indicator lights. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-5550	1	<b>Equipment rack not stowed warning light</b> For the PTS and the two Teelights Included with the Diamond Logic indicator lights. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-8001	1	<b>Step lights for body steps - 4" LED</b> Switched with the park brake to match the Pumpers and as discussed at meeting of 01.12.2019
50-21-8200	1	<b>Step lights for chassis steps - LED</b> Switched with the park brake to match the Pumpers and as discussed at meeting of 01.12.2019
50-21-83AA	1	<b>LED lighting for rear step/platform</b> Switched with the park brake to match the Pumpers and as discussed at meeting of 01.12.2019
50-21-8600	1	LED clearance lts and reflectors
50-22-0700	1	<b>Whelen 64 LED tail/brake-turn-backup module (pr)</b>
50-31-6550	1	<b>Ground lighting (LED Lumabar) - 2 door chassis</b> Switched with the park brake to match the Pumpers and as discussed at meeting of 01.12.2019
50-31-6570	1	<b>Ground lighting (LED Lumabar) - side mount body</b> Switched with the park brake to match the Pumpers and as discussed at meeting of 01.12.2019
50-31-65AA	1	<b>Hose bed lighting - LED on front partition</b> Switched with the park brake to match the Pumpers and as discussed at meeting of 01.12.2019
50-35-0510	2	<b>Provisions for Customer's mobile radio</b> Provision for two (2) customer radios is provided in the chassis console 20317500. 12-Volt power and ground is provided for these radios, powered directly from the battery, not through the master switch and fused for 30A. Customer to provide make, model and dimensions of the radio's so proper cutouts can be made. Radio #1 - Motorola CDM1250 Radio #2 - Motorola APX 4500 TMR The radio will be powered from the ignition
50-35-0600	2	<b>Antenna base only for commercial chassis complete with chrome raincap</b> Cable will be routed to the 20-31-7500 console and properly labeled. Customer to specify any special mounting location or spacing requirements, otherwise antenna base will be installed behind the lightbar one left and one right side. The standard location has been approved by the fire department.

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
	<b>1</b>	<b>BODY</b>
60-10-1400	1	Single axle extruded aluminum body
60-10-4100	1	No "beavertail" rear step supports
60-10-4600	1	Painted fender surround E
60-10-4700	1	Integral aluminum fender trim
60-10-5400	1	Diamondback pumphouse steps
60-10-5430	1	Diamondback 19" rear step
60-10-6000	1	Extruded rub rail
60-11-0100	1	Front left side compartment to top of wheel well
60-11-0500	1	Front right side compartment to top of wheel well
60-11-0800	1	Rear left side compartment to top of wheel well
60-11-1100	1	Rear right side compartment to top of wheel well
<b>60-11-3100</b>	<b>1</b>	<b>No rear compartment E</b>
<b>60-11-4500</b>	<b>2</b>	<b>Flush mount aluminum door - single with "D" handle</b>
<b>60-11-4510</b>	<b>1</b>	<b>Flush mount aluminum door - double with "D" handle - Right side</b>
<b>60-11-4520</b>	<b>1</b>	<b>Flush mount aluminum door - double with "D" handle - Left side</b>
60-31-4100	1	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface
<b>60-31-5500</b>	<b>1</b>	<b>Steps at rear of body (folding) with LED lights</b> Maximum height between steps is 18"
<b>60-31-5600</b>	<b>1</b>	<b>Steps and grab handles at front of body next to pump panel</b> Maximum height between steps is 18" There shall be two (2) hand rails each side, one (1) on the side of the pump house aft of the crosslays and one (1) vertical at the front edge of the body. The Metalfab standard has been approved by the fire department.
60-31-6500	1	Compartment matting-Turtle tile
<b>60-31-8650</b>	<b>4</b>	<b>Sliding tray (ea) - 500 lb capacity - lock in - lock out type</b> Slide out trays are installed in the following compartments at floor level; Tray #1 - Left side front compartment Tray #2 - Left side rear compartment Tray #3 - Right side front compartment Tray #4 - Right side rear compartment Reflective stripe is applied on the exposed edge for visibility when the compartment door is open The largest item carried in a tray measures 26.5" long x 24" high x 21.25" deep.
<b>60-31-9600</b>	<b>2</b>	<b>Adjustable shelf (ea)</b> Shelves are installed in the following compartments; Shelf #1 - Left side front compartment - full depth Shelf #2 - Left side rear compartment - full depth ***All four (4) compartments to have vertical unistrut tracking*** Reflective stripe is applied on the exposed edge for visibility when the compartment door is open.
<b>60-32-3550</b>	<b>1</b>	<b>Two adjustable hose divider (each)</b> Hand hold required in end
<b>60-32-7500</b>	<b>1</b>	<b>Hose bed - aluminum</b> The aluminum slats shall also be included in the area around the water and foam fill towers and the front storage area ahead of the front partition.
<b>60-33-0000</b>	<b>1</b>	<b>Paint exterior - Imron Elite</b> *** Paint code and colour to match red on cab (2303) Total paint and primer thickness shall be a minimum of 5.0 mil.
60-33-0200	1	Undercoat vehicle with KROWN rust protection
<b>60-33-0600</b>	<b>1</b>	<b>Chassis wheels not painted</b> Polished Aluminum wheels



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60-33-1000	1	Paint pump and plumbing job colour
60-33-1600	1	<b>Special paint compartment interior - gray zolatone E</b> The compartment interiors are finished with a gray textured paint for chip resistance. Shelves, trays, unistruts and hardware are left natural aluminum.
60-33-2200	1	<b>Lettering - 80 letters up to 3" tall - 3 colour</b> *** Vinyl letters, Fire Department to provide details on location and text. "911" shall be installed in 12" high red reflective on each rear side compartment doors.  Trim striping shall also be provided around the rear fender area of the body and the front fender area of the chassis. Lettering to match M16-18239 - pictures on file Lettering layout drawing approved
60-33-3000	1	<b>Reflective stripe - 4" white</b> 50% of perimeter each side and 25% of perimeter front. 3M Scotchlite material
60-33-3310	1	<b>Reflective stripe - red and yellow chevron at rear</b> Minimum 50% of rear vertical surface. Printed on 3m Scotchlite material.
60-33-3500	1	Tarp over hose bed - black
60-33-4600	1	<b>Aluminum cover over crosslays - with end tarps (black)</b>
60-40-5500	2	<b>Suction hose tube (each) with door</b> To store the 6" x 10' suction hoses 80-11-5000. Located under the tee of the water tank with rear access doors with lift and turn latches. Door ajar switch required.
60-41-1000	1	<b>Pike Pole tube with door - storage for two pike poles</b> To store the 10' pike pole 80-13-2500 and the 6' pike pole 80-13-2510. Located under the right side fender top with a rear access stainless steel door with lift and turn latch.
60-41-6001	1	<b>Zico hydraulic portable tank rack</b> Left side - for the storage of the 2000 Imperial gallon portable tank 80-15-1000. To be wired so only operable when park brake is engaged. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.
60-41-6010	1	<b>ZICO PTS switched at rear above tail light</b> Switch is located on same side as electric rack - left side.
60-41-6090	1	<b>No tread plate on exterior of ZICO PTS</b>
60-41-7090	1	<b>No tread plate on body behind porta tank rack</b>
60-41-8500	1	<b>Ladder rack side - 2 sect and roof</b> Right side for the 24' two section ladder 80-14-0500 and the 14' roof ladder 80-14-5500.
	1	<b>INSTRUMENTATION</b>
70-11-0000	1	<b>Warning Label on Pump Operator's Panel</b>
70-11-0500	1	<b>Side mount instrument panel</b> No gauge or visual display can be higher than 84" above the operator's standing position Midpoint of any control cannot be higher than 72" above the operator's standing position The instrument panel lights will be switched with the park brake to match the Pumps and as discussed at meeting of 01.12.2019
70-11-1500	1	Stainless steel instrument panels No gauge or visual display can be higher than 84" above the operator's standing position Midpoint of any control cannot be higher than 72" above the operator's standing position

PART NO	QTY	DESCRIPTION
70-11-3200	1	<b>Colour coded tags</b> Language to be determined - English
70-11-4100	1	Stainless steel side panel hood left side
70-11-4500	1	<b>Diamondback grip type panel hood step right side</b>
70-11-5000	1	Standard cover over rear top of pump house - no storage
70-11-5500	1	Right side tread plate pump access door <b>No opening dimension less than 18"</b>
70-11-7500	1	Heat pan-aluminum
70-11-8000	1	<b>Heater in pump compartment</b> Heater switch will be located on the left side pump operators panel.
70-20-2130	6	<b>2-1/2" pressure gauge - dual face 0-400 - Thuemling</b> Thuemling control rod assembly with 2-1/2" 0-400 dual scale pressure gauge/bezel assembly (chrome bezel and color coded handle)
70-20-2500	1	<b>Primer control</b>
70-20-3100	1	<b>Class One Governor Control</b> Throttle can be no lower than 42" and no higher than 72" from operator's standing position.
70-20-3500	1	Electric water level gauge on pump panel, Class One
70-20-3610	1	<b>Remote PSTANK water level indicators each side, rear with driver E</b> One each side at the front corner of body, and one on the rear left side above dump valve. Interlock with park brake so powered only when the park brake is set.
70-20-6500	1	Test gauge panel
70-20-7500	1	<b>Heat exchanger control valve</b>
70-21-2100	1	<b>PTO Hourmeter</b> Located in the 20-31-7500 console in cab
70-21-5500	1	<b>Panel readout for Battery Conditioner</b> Located on left side pump panel
	1	<b>ACCESSORIES</b>
80-11-5000	2	<b>6" x 10' lightweight suction hose (ea)</b>
80-12-11AA	1	<b>Mounting plate for 6" barrel strainer - Kocheck MM601C</b> P/N 1501177 - SOPT #602 The 6" barrel strainer will be mounted in the L1 compartment as per Metalfab's suggestion.
80-12-2500	1	<b>6" barrel strainer</b>
80-12-4500	1	<b>6" low level strainer with 1-1/2" venturi connection</b>
80-13-0500	1	<b>Rubber mallet - with fibreglass handle</b> Mounted with the Toolok 80-13-0513 on the side wall of the L1 compartment as per Metalfab's suggestion.
80-13-0510	1	<b>PAC Toolok 1003 for mounting rubber mallet</b> P/N 1562258 - SOPT #319 Mounted on the side wall of the L1 compartment as per Metalfab's suggestion.
80-13-1200	3	<b>Clare hose wrenches (double) with holder</b> Mounted on left side pump panel, right side pump panel and on rear of body where room permits.
80-13-1500	1	<b>Bar with bracket</b> Mounted horizontally under the rear dump chute.
80-13-2500	1	<b>Pike pole, fibreglass handle - 10' long</b> Tube mounted.

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
80-13-2510	1	<b>Pike pole, fiberglass handle - 6' long</b> Tube mounted.
80-13-4000	1	<b>Axe, pick head, yellow fiberglass handle and bracket</b> ***Non slip hand hold*** P/N 1520133 Mounting location to be on the rear of the body beside the dump valve as per Metalfab's suggestion.
80-13-4500	1	<b>Axe, flat head, yellow fiberglass handle and bracket</b> ***Non slip hand hold*** P/N 1520146 Mounting location to be on the back of the body beside the dump valve as per Metalfab's suggestion.
80-14-0500	1	<b>24' 2 section extension ladder PEL 24</b> Stored on the ladder rack right side of body. Provide test documents as per 80-99-60AA
80-14-5500	1	<b>14' aluminum roof ladder PRL-14</b> Stored on the ladder rack right side of body. Provide test documents as per 80-99-60AA
80-14-7500	1	<b>Padded ladder boot - 2 section and roof ladder</b> Sized to fit nested 24' two section extension ladder and 14' roof ladder.
80-14-8500	1	<b>10' aluminum folding attic ladder FL-10</b> Stored in the 80-14-9000 attic ladder bracket on right side fender top. Provide test documents as per 80-99-60AA
80-14-9000	1	<b>Attic ladder bracket (Zico)</b> Mounted on right side fender top.
80-14-9100	1	<b>Air chuck with 25' of 3/8" air hose</b> Shipped loose, not mounted. Customer will mount. SOPT #777
80-15-1000	1	<b>2000 l gallon portable tank - Husky</b> Two (2) drain sleeves required. Stored in the hydraulic PTS on left side.
80-16-1500	1	<b>Akron 2581 gated wye</b> A 2½" gated wye, 2½" Red Head Storz swivel to two (2) gated 1½" male NPSH with Red Head Storz adapters, pyrolite construction shall be supplied. Shipped loose, not mounted. Customer will mount.
80-17-0500	1	<b>20# dry chemical fire extinguisher and mount</b> Mounting location to be the front corner of the R1 compartment on the pull out tray 60-31-8650 (ahead of the CO2 extinguisher 80-17-1000)
80-17-1000	1	<b>15# CO2 fire extinguisher and mount</b> Mounting location to be the back corner of the R1 compartment on the pull out tray 60-31-8650 (behind the ABC extinguisher 80-17-0500)
80-18-0840	2	<b>Pistol grip nozzle holder - ZICO NBM-2</b> Mounting location to be one (1) each side of the pump panel close to the crosslays 30-44-0520.

