



Shop Order

City of Fredericton  
 Mary Nelson Purchasing Division  
 Fredericton, NB  
 Mary.Nelson@Fredericton.ca

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<b>Sales Rep:</b> Ryan Stacey Business Development Manager	<b>Terms:</b> Chassis & Body COD
<b>Drawing #:</b> FT-11618	
<b>Est. Delivery Date:</b> 09/21/24	
<b>Customer PO #:</b>	<b>Penalty:</b>
<b>Customer #:</b>	None
<b>QPF #:</b>	

**Exp. Date:** 03/05/2023  
**Quote No:** RFRNB-0023  
**Job/Order No:** 22940  
**BODY:** 00-10-15 Metalfab Pumper - ULC 05/13

09/09/2025

PART NO	QTY	DESCRIPTION
		<b>== Metalfab Pumper - ULC 05/13 - 0.000 ==</b>
	<b>1</b>	<b>== Metalfab Pumper - ULC 05/13 - 0.000 ==</b>
		<b>Change Order N</b>
00-05-0010	1	Dealer - Metalfab
00-10-1500	1	Metalfab Pumper
00-20-0500	1	List of References not provided
00-20-1000	1	Company Profile
00-20-1500	1	Standard Body Warranty
00-20-1550	1	Metalfab Limited Ten (10) Year Paint and Corrosion Warranty
<b>00-20-1700</b>	<b>1</b>	<b>Hale Pump Warranty - 5 years</b>
00-20-1800	1	Polypropylene Tank Lifetime Warranty
00-20-2000	1	Plant Visits - unlimited at customer expense
00-20-3000	1	No Bonding Required
00-20-3500	1	Certification for Fusion Welding of Steel and Aluminum
00-20-4000	1	Quality System registered to ISO 9001:2015
00-20-4500	1	Fire Apparatus Manufacturers' Association Membership
		<b>GENERAL INFORMATION</b>
10-11-0000	1	Intent
<b>10-11-0110</b>	<b>1</b>	<b>Vehicle data recorder included with chassis</b>
<b>10-11-1101</b>	<b>1</b>	<b>ULC S515-13 and NFPA 1901-2016 Compliance</b>
10-11-1500	1	ULC Testing - Pumper - Imperial units of measure
<b>10-11-2100</b>	<b>1</b>	<b>Maximum length 38'</b>
10-11-2200	1	Maximum height not specified
<b>10-11-2400</b>	<b>1</b>	<b>Overall length is 30' or more</b>
10-11-2500	1	General Construction

PART NO	QTY	DESCRIPTION
10-11-3000	1	<p><b>Manuals - two copies</b>  <b>***Two copies of chassis manuals are required.</b>  <b>USB and printed copies - 2 of each</b>  <b>Include Operation and Troubleshooting guides for truck, pump, foam system.</b>  <b>Include chassis, engine and transmission parts and shop manuals.</b>  <b>Include electrical wiring diagrams (digital)</b>  <b>Include ULC/NFPA documentation (digital)</b></p>
10-11-3600	1	<b>Delivery and training - FOB Fire Department</b>
10-11-4200	1	<b>Payment Terms - Chassis and Body COD</b>
10-20-1400	1	<p><b>Hose capacity exceeding ULC/NFPA requirements - SPECIFY</b>  <b>To accommodate 1000' x 4" supply line hose</b>  <b>To accommodate 400' x 2-1/2" discharge hose</b>  <b>Additional weight allowance of 526 pounds over standard ULC hose load.</b></p>
10-20-2000	1	Equipment carrying capacity - standard ULC Pumper
		<b>CHASSIS INFORMATION</b>
20-11-1000	1	<p><b>Chassis supplied by Metalfab</b>  <b>Freightliner M2 112 PLUS - 2024 model year</b>  <b>47,000 lb GVWR 16,000 lb front axle 31,000 lb rear axle</b>  <b>129" CA</b>  <b>DD13 370 hp @ 1625 rpm 1900 governed rpm</b>  <b>1250 lb/ft torque @ 975 rpm</b>  <b>*Note* - disable stationary cruise</b>  <b>Jacobs compression brake, Dealer to program to activate stop lamps if possible</b>  <b>3000 EVS automatic transmission, PTO opening LH side</b>  <b>62 MPH top road speed</b>  <b>275 Amp alternator</b>  <b>3 Batteries located under cab</b>  <b>189 litre fuel tank, LH</b>  <b>Power windows, electric door locks</b>  <b>Tinted back window</b>  <b>A/C</b>  <b>Air horn controls are lanyards</b>  <b>ESC</b>  <b>4 seating positions - non SCBA driver, SCBA officer and rear outboard seats</b>  <b>Include individual dome/red map lights each door opening</b>  <b>Include flashing headlights</b>  <b>Polished Aluminum wheels</b>  <b>Engine compartment light</b>  <b>Additional air tank</b>  <b>Paint codes to match L0001EY Black over L3240EY Red, spray outs approved by customer August 22, 2023</b>  <b>Note that the chassis engine was changed to DD13-370 from the original L9-360 due to the shortage of L09 engines, additional cost of \$7500 before tax</b>  <b>*** Note that the IMMI D Loop Ready Reach is not available from Freightliner at this time, and can only be installed by the chassis manufacturer.</b>  <b>Metalfab will install a switch on the chassis dash to control high idle through the Pump Governor with the appropriate interlocks.</b></p>
20-11-1500	1	2013 Emission chassis modifications
20-11-1700	1	<b>Chassis Motor Vehicle Inspection required - NB included from chassis dealer</b>

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
20-21-0500	1	<b>Fluid capacity plate</b>
20-21-0600	1	<b>Pumping test plate</b>
20-21-1020	1	<b>Maximum riders sign - 4 persons</b>
20-21-1510	1	<b>Seat belt warning labels - 4 door chassis</b>
20-21-1520	1	<b>Helmet warning label - do not wear helmet</b>
20-21-1560	1	<b>LED 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"
20-21-2000	1	Non removable key
20-21-2500	1	Shifter lock not required
20-21-3500	1	Rear step warning label
20-21-3800	1	<b>Front mudflaps</b> Included with chassis 586-024
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-21-45AA	1	<b>Transportation Safety Kit</b> Basic First Aid Kit Safety Triangle 5 pound Fire Extinguisher All included with chassis
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only
20-31-1100	1	<b>Alum tread fuel tank covers, diamond grip steps, Conv - 4 dr</b>
20-31-1900	1	Chassis cab not painted
20-31-4710	1	<b>Extend front bumper, gravshld with hosewell, cover, and D handle latch</b> ***Bumper to be extended _26"__ ahead of cab A fabricated steel channel type front bumper in place of the chassis OEM front bumper is requested. Include swept back corners. 200' of 1-3/4" Key Combat hose & 1-3/4" Pistol Grip nozzle Include D handle and gas strut Note that Key Combat hose takes up more room than standard double jacket hose. Note that Engine 4 has a capacity of 28" x 13" x 20" deep or 2.53 cubic feet Include a flush mount light to illuminate interior, on with the park brake
20-31-7500	1	<b>Console in cab - custom design</b> Provide drawing for customer review prior to construction Install siren, and pump shift in console. Cover over storage area to house customer chargers next to hinge, room for customer helmet holder towards dash. No latch required, gas strut will hold in open and closed positions. Black zolatone finish to match 23197 Include 50-11-6616 TACTL5 control Include 50-35-0500 provision for customer radio Include 50-99-05AA FireCom Intercom Unit shall be equipped with aluminum storage box positioned between the two front Seats. Storage box - 20" wide (between seats), 19" long (from front to back), 14" high. Cover shall be hinged at front and opens from back. There shall be a

PART NO	QTY	DESCRIPTION
		heavy duty gas cylinder on cover to hold cover open at approximately 110 degrees.
20-41-0600	1	Intake air shutoff for engine not required
<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 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.
20-41-1900	1	Battery boost terminals with chassis Included with chassis
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>20-41-5000</b>	<b>1</b>	<b>Rear Tow Hooks - under body</b> *** Flat bar tow hooks under rear step (2) Include rating plate to state capacity in compliance with ULC S515-13 11.4.8.1
<b>20-51-0710</b>	<b>1</b>	<b>Master Battery Disconnect included with Freightliner chassis</b>
<b>20-51-26AA</b>	<b>1</b>	<b>Back up alarm - special</b> Ecco, Multi-frequency Part #EA5200, back-up alarm
<b>20-51-3000</b>	<b>1</b>	<b>Air inlet with matching fitting - LS</b> LS Cab Step Area
20-51-3400	1	Protection valve installed for air operated accessories
<b>20-51-35AA</b>	<b>1</b>	<b>Air outlet with female Type A air coupler</b> Located on LS pump panel
<b>20-51-61AA</b>	<b>5</b>	<b>120 volt 15 A shore line receptacle</b> Wired to 20 A shore line receptacle Requires an electrical box with push to reset 15 A breakers (2), wired to duplex receptacles as below: 1 - cab console 1 - cab rear wall for battery conditioner 1 - high in compartment L2 1 - EMS compartment 1 - high in compartment L3
<b>20-51-6616</b>	<b>1</b>	<b>Kussmaul Pump Plus 1200 conditioner/12 V compressor</b> Mount battery conditioner on back wall of cab Mount compressor inside the pump access door in R1
<b>20-51-7100</b>	<b>1</b>	<b>Electric System Manager</b> Through Weldon VMUX
<b>20-51-75AA</b>	<b>1</b>	<b>Super Auto eject for 120v - 20 A with sealed enclosure</b> For 20-51-6616 Pump Plus and shore line receptacles Red cover required 1032010, mount on pump panel and provide matching connector

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>20-51-75BB</b>	<b>1</b>	<b>Super Auto Eject for 120v - 20A with sealed enclosure</b> For chassis block heater Red cover required 1032010, mount on pump panel and provide matching connector
<b>20-51-8505</b>	<b>1</b>	<b>Engine compartment light included with chassis</b>
<b>20-51-9001</b>	<b>1</b>	<b>Air horns on hood, LS and RS lanyard controlled</b> Provided with chassis
<b>20-52-1010</b>	<b>1</b>	<b>Federal LED Littlite gooseneck map light (ea)</b> mount rs of cab console
<b>20-52-3500</b>	<b>1</b>	<b>Chassis steering wheel lined up by Metalfab</b>
<b>20-52-40AA</b>	<b>1</b>	<b>Camera system - rear and right side</b> Install 7" LCD display on RAM mount on dash similar to Rescue 23197, program rear view camera to operate when vehicle is in reverse, no other programming
<b>20-60-0400</b>	<b>1</b>	Chassis wheelbase does not change
<b>20-90-1600</b>	<b>8</b>	<b>Kussmaul Dual USB charging socket</b> Dual port USB-C and USB-A (Kussmaul 091-264 or equivalent) Install on cab console - 2 on driver's side, 4 on officer's side, 2 on rear of console for crew. All powered through the master battery disconnect switch.
<b>20-99-10AA</b>	<b>1</b>	<b>Medical Compartment w/Roll Up Door</b> There shall be a medical compartment complete with roll up door installed between the 2 rear seats in the chassis cab. For AED, detectors, and medical bags. Include lighting with rollup door. Include two adjustable shelves. Approximate dimensions: 19" wide x 26" deep x 48" high Black zolatone finish exterior and interior to match 23197 - shelves and unistruts remain natural finish Natural finish rollup door
<b>20-99-15AA</b>	<b>1</b>	<b>Exhaust Modifications - Dept Nederman System</b> Space the exhaust 2" clear below rub rail. OEM diffuser not required, exhaust to be cut square and even with rub rail.
<b>20-99-20AA</b>	<b>1</b>	<b>Pylon Holder</b> There shall be a pylon holder installed on the right side of the bumper and be configured to hold 6 pylons in the inverted position c/w retaining strap. Position to clear front headlight, as far forward as possible to prevent cooling issues, ensure hose well size is adequate for hose specified. Size for standard 28" pylon.
<b>20-99-25AA</b>	<b>1</b>	<b>RAM mount for iPad Gen 8</b> Ordered with chassis option 1U1-002 TOP OF DASH RAM MOUNT WITHOUT POWER OR G ROUND, FOR CUSTOMER FURNISHED DEVICE
<b>PUMP AND PLUMBING</b>		
<b>30-11-3802</b>	<b>1</b>	<b>Hale DSD midship pump - 1250 IGPM</b>
<b>30-15-0303</b>	<b>1</b>	<b>Plumbing - non manifold pump SM</b>
<b>30-20-0501</b>	<b>1</b>	<b>Valves and controls - side mount panel</b> All inlet and discharge bleeders to be Innovative lift style (short stroke)

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
30-20-1002	1	<b>Akron valves specified</b>
30-20-1620	1	<b>Piping stainless steel - non manifold Pumper</b>
30-20-1700	1	<b>1-1/2" thread specifications NPSH with Red Head Storz adapters</b> Provide Red Head Storz adapters for discharges
30-20-1800	1	<b>2-1/2" thread specifications 3.060 x 7 with Red Head Storz adapters</b> All 2-1/2" threaded fittings to be 3.060" ODM x 7 TPI All 2-1/2" threaded discharges and inlets to be equipped with Red Head Storz adapters and Storz caps where applicable. Note that Storz caps are not pressure relieving but each inlet and discharge is equipped with a bleeder which meets NFPA
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.
30-21-5580	1	<b>Tank to Pump 3" w/ check valve non manifold pump (4" plumbing, check valve)</b>
30-22-0520	1	<b>Tank Fill valve 2"</b>
30-31-4000	1	<b>Suction - 6" each side non manifold pump 6" header</b> LS not gated RS gated with 30-31-72AA electric valve Right side 6" inlet plumbing to be extended as shown in customer photo 6089-6092 and equipped with a 80-99-20BB 6" NHF long handle adapter to straight 4" Storz adapter with cap
30-31-60AA	1	<b>Suction - 6" SS piping to rear, 6" connection, bleeder and cap</b> Controlled by a 30-31-72BB manual handwheel operated butterfly valve on the LS pump panel To be minimum 36" from ground to centre line of suction inlet to allow drafting from portable tank, connection is immediately under the ladder tube on the right side rear of the body. Connection is equipped with a Storz adapter 80-99-20BB. See photos 6099-6103 Bleeder to be Innovative lift style (short stroke), one located at rear and one on LS pump panel Note that minimum 10" ground clearance requested for heat pan
30-31-72AA	1	<b>RS inlet electric valve</b> Elkhart EB6D electric valve for RS 6" inlet with APEX-S controller on LS pump panel
30-31-72BB	1	<b>Rear inlet manual valve</b> Rear inlet to be gated with an Akron 7960 butterfly valve with 6" Trident handwheel controller
30-32-7550	1	<b>Suction - 2-1/2" left side, bleeder, non manifold pump</b> Bleeder to be Innovative lift style (short stroke) Control to be lever style to match photo 6161
30-32-8050	1	<b>Suction - 2-1/2" right side, bleeder, non manifold pump</b> Bleeder to be Innovative lift style (short stroke) Control to be lever style to match photo 6091

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>30-40-3011</b>	<b>1</b>	<b>4" right discharge, plumbed 4" handwheel control, non manifold pump</b> Bleeder to be Innovative lift style (short stroke) Control to be 4" Trident handwheel operated so smaller than the handwheel for the rear intake 30-31-60AA - customer request
<b>30-41-2040</b>	<b>1</b>	<b>2-1/2" RS discharge, bleeder, non manifold pump</b> Bleeder to be Innovative lift style (short stroke) Note that valve is remote from the pump panel and separate CP elbow will be required
<b>30-41-2540</b>	<b>2</b>	<b>2-1/2" LS discharge, bleeder, non manifold pump</b> Bleeder to be Innovative lift style (short stroke) Note that valve is remote from the pump panel and separate CP elbow will be required
<b>30-43-1520</b>	<b>1</b>	<b>2-1/2" rear discharge, plumbed 2-1/2", bleeder</b> Left Side under portable tank storage as customer photo 6101 Bleeder to be Innovative lift style (short stroke)
<b>30-44-0720</b>	<b>2</b>	<b>1-1/2" speedlay (each) front of pumphouse, plumbed 2"</b> The pump house shall have a minimum width of 26" and two (2) upper storage areas. The upper transverse storage area is referenced in 70-11-51AA. The lower transverse storage area shall accommodate two pre-connected hand lines and supply (200' of 1 <sup>3</sup> / <sub>4</sub> " hose with nozzle in each storage area). Nozzle shall be: Task Force Tips, TFT-ME1-VPIS-125 METRO 1, FIXED GALLONAGE, 125GPM@100PSI, PISTOL GRIP, SPINNING TEETH The bottom of this compartment shall at approximately 65" from the ground. The speedlay areas shall include two storage trays. The trays shall be constructed of polypropylene. The walls and floor of the tray shall be slotted to prevent the accumulation of water and allow for ventilation of wet hose. Two (2) 1-1/4" stainless steel rolls, one on each side, to facilitate the removal and insertion of the trays in this compartment. The speedlay side access shall have a restraint system consist of a vinyl tarp with Velcro along the entire perimeter. Three (3) pump service access doors shall be provided; One (1) in L1, One (1) in R1, one (1) in the front pump house when speedlay trays are removed, and the doors shall be secured with tool-free hardware. Bleeder to be Innovative lift style (short stroke) Note that hose and nozzle are not provided by Metalfab Two additional speedlay trays are to be provided by Metalfab at a cost of \$650 total before tax
<b>30-44-11AA</b>	<b>1</b>	<b>2 1/2" front trash line, plumbed 2-1/2" Hosewell</b> To be equipped with an auto drain Chrome swivel to be installed on top of the front gravelshield left side, include adapter to Fredericton thread and an adapter from Fredericton thread to 2-1/2" Storz
<b>30-44-6500</b>	<b>1</b>	<b>Piping for monitor, plumbed 3", bleeder</b> Maximum height with monitor installed not specified Make and Model of Monitor 80-16-0500 Akron 3423 Bleeder to be Innovative lift style (short stroke) Monitor plumbing to terminate even with the top of the body so that the monitor will fit above the body when installed - see photo 6135. Note that the front of the water tank will require special clearance for the plumbing to move this discharge into the front of the body rather than through the pump

PART NO	QTY	DESCRIPTION
		house as originally proposed.
		Change control for monitor from push/pull to 4" Trident handwheel operated so smaller than the handwheel for the rear intake 30-31-60AA - customer request
30-51-0500	1	<b>Pump shift-Midship air</b> ***Includes "Pump Engaged" and "OK to Pump" indicator lights on chassis instrument panel ***Includes "Throttle Ready" indicator light on Pump operating panel
30-51-6520	1	<b>Class One "TPG" Governor/Throttle plus High Idle</b> Provide a high idle switch on the chassis dash to provide stationary high idle with the appropriate interlocks to meet ULC
30-51-7000	1	<b>Suction side relief V/V, manifold pump</b> For main pump protection
30-51-7005	2	<b>Suction side relief valve - MIV</b> One for each 30-31-7205 MIV, locate outboard of right side and rear inlet valves
30-51-7716	1	<b>Trident Automatic Air Primer 3 barrel 3 location</b>
30-51-7720	1	<b>Additional air tank for air primer system w/chassis</b> An additional air tank is provided with the chassis to improve air primer capacity
30-51-78AA	2	<b>Pre Primer for gated suction</b> One for each 30-31-7205 MIV, to pre prime outboard of right side and rear inlet valves
30-51-8000	1	Heat exchanger
30-51-8040	1	<b>Heat Exchanger for chassis engine</b>
30-51-8500	1	<b>Pump cooler with control valve, check valve</b>
30-51-9100	1	<b>Thermal Relief Valve with warning light</b> Plumb discharge into water tank fill tower
30-52-1000	1	Master drain V/V, 12 port
30-52-10AA	1	<b>Master drain valve, 12 port Trident 30.001.7</b>
30-52-2000	1	<b>Drain valve for foam system header</b>
30-52-4215	1	<b>Foam System - Hypro FoamPro 2002 Single Tank</b> The foam system shall be plumbed to two (2) speedlay, one (1) 2½" at the rear and the front bumper discharge shall also be plumbed to the foam system.
30-52-8200	1	<b>FoamPro Power-Fill</b> A Power-Fill Refill system, FOAMPRO, 12V, model 3435-0134 shall be installed in compartment L1 (Operator's panel) to fill the foam tank from the ground. The foam fill system shall include a 3 feet pick up tube stored inside the RS pump access door.
30-52-9100	1	<b>Foam concentrate label at foam tank fill</b>
30-52-9200	1	<b>Foam System Instruction Plates</b>
30-52-9400	1	<b>NFPA Foam System certification test</b>
<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)
40-11-5000	1	Tank capacity 1000 Imperial Gallons
40-12-5000	1	<b>Foam cell - 40 Imperial gallon</b> Integral with water tank, fill tower centred in top of tank per photo 6134

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
40-13-0100	1	<b>Through the tank tunnel - up to 20 cu ft</b> For the 60-40-9500 portable tank storage
40-21-1000	1	<b>4" tank to pump connection</b>
40-22-0500	1	<b>2" tank fill connection</b>
40-23-0500	1	<b>3/4" water level gauge connection</b>
40-23-1000	1	<b>1" foam level gauge connection</b>
40-30-0500	1	<b>Sump drain valve (3" gate valve) with linkage</b> Control will be located under the rub rail, valve to be enclosed in the heat pan
40-30-1000	1	<b>Water Fill Box centre</b> Fill tower centred in top of tank per photo 6134
40-31-3600	1	<b>Newton dump - stainless steel 36" telechute</b>
40-31-4610	1	<b>Newton dump, side mount operation, SS</b>
40-31-5510	2	<b>Electric operator for Newton dump, side mount</b> Install switches in enclosed aluminum boxes, one each side at rear above tail lights
40-31-6050	1	Rear fill not requested
<b>ELECTRICAL</b>		
50-11-0300	1	<b>Base electrical system - multiplex</b> Note that nodes are protected by 200 A Bussman fuses and Kissling Relays in place of the requested Grote breakers.  Heat shrink material and sealed connectors shall be used to protect exposed connections. Harnesses to be supported every 8-10". Provide loops of wire to allow devices to be pulled away from mounting surface for inspection and service.
50-11-0600	1	<b>Warning Light Certification</b>
50-11-0700	1	<b>Low Voltage Electrical system test</b>
50-11-0800	1	<b>Low Voltage Electrical System Documents</b> As required by ULC and NFPA standards
50-11-0900	1	<b>Switch panel with master warning switch</b> ***Switch assignments - mount in centre overhead console: EMERGENCY MASTER LIGHTBAR RED LIGHTBAR WHITE FLASHING WARNING FRONT SPOT FRONT FLOOD FRONT SCENE LEFT SCENE RIGHT SCENE REAR SCENE
50-11-1450	1	<b>Federal PA300 200 watt siren</b>
50-11-1630	1	<b>Siren speaker, 200 watt, in front bumper</b> Locate on right side of vehicle bumper
50-11-2010	1	<b>Federal Q2B mechanical siren - flush mount in front bumper</b> Controlled by foot switch at driver position and dash mounted push button at

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
		officer position. Siren brake on cab console
		Locate on left side of vehicle bumper
		Install disconnect switch under front bumper LS
		Face of siren to be flush with face of bumper
<b>50-11-2600</b>	<b>1</b>	<b>Siren to be accessible to driver and officer</b> Located in cab console between driver and officer
<b>50-11-61AA</b>	<b>1</b>	<b>Whelen F4R0RRRR Rota Beam light bar</b> Include 50-99-30AA Opticom in light bar Rota Beam style light bar to match the 23197 Rescue, include Opticom and an F4A6 alley light each end, to be switched with LS and RS SCENE lights
<b>50-11-6616</b>	<b>1</b>	<b>Rear LED Traffic Advisor warning lights - TAM83 - flush mount - 30.45" long</b> Includes TACTL5 control mounted in 20-31-7500 console Locate at rear above portable tank storage
<b>50-11-86AA</b>	<b>1</b>	<b>Whelen B6MMAAP LED red beacons (pr) with rear amber flasher</b> Whelen red beacons to be powered with the LIGHTBAR RED switch, amber flashers to be powered with the FLASHING WARNING switch, ref 50-11-0900
<b>50-12-5022</b>	<b>1</b>	<b>Front LED flashers (pr) - Whelen LED 6RBRC Rota Beam red with clear lens</b> Include chrome flanges 6RBRC Rota Beam with clear lens
<b>50-12-51AA</b>	<b>1</b>	<b>Rear flashers (pr) - Whelen LED 6RBAC Rota Beam</b> Install 72" from the ground rear facing below scene lights
<b>50-12-5260</b>	<b>1</b>	<b>Front side LED flashers (pr) - Whelen LED 6RBRC Rota Beam - red with clear lens</b> Include chrome flanges Locate on ends of front bumper extension 6RBRC Rota Beam with clear lens
<b>50-12-8840</b>	<b>2</b>	<b>Body side LED flashers (pr) - Whelen LED 6RBRC Rota Beam - red with clear lens</b> Include chrome flanges Locate one pair behind rear wheel well centre line in rear fender Locate one pair on lower rear cab step 6RBRC Rota Beam with clear lens
<b>50-21-25AA</b>	<b>2</b>	<b>FRC telescoping SPECTRA LED 12V flood (ea)</b> One each side of Pump House next to cab SPA530-Q20-SW-ON-SR-A Wired to Equipment not stowed warning light Switched on pump panel per 50-99-10AA
<b>50-21-5100</b>	<b>1</b>	<b>Compartment lighting - LED tube lights in each compartment</b>
<b>50-21-5500</b>	<b>1</b>	<b>Door Ajar warning light</b> Install warning light on chassis dash similar to 23197 Rescue, label "Do Not Move Apparatus when Light is on"

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
		Include audible alarm
		Include all compartment doors, coffin compartment doors, and main hose bed cover doors
<b>50-21-5550</b>	<b>1</b>	<b>Equipment rack not stowed warning light</b> Warning label in cab to read: "Do Not Move Apparatus when Light is on" Install in chassis dash next to 50-21-5500 Door Ajar warning light
<b>50-21-8001</b>	<b>1</b>	<b>Step lights for body steps - 4" LED</b>
<b>50-21-8201</b>	<b>1</b>	<b>Step lights for chassis steps - LED Lumabar</b>
<b>50-21-8510</b>	<b>1</b>	<b>Rear clearance lights on rubber arms (pr)</b>
<b>50-21-8600</b>	<b>1</b>	<b>LED clearance lts and reflectors</b> Note that the middle clearance light of the rear three in a row is also to illuminate when the brakes are applied - upper brake light. Note that this will not operate when clearance lights or headlights are on as the light will already be illuminated. A separate high mount brake light is also acceptable
<b>50-21-8605</b>	<b>1</b>	<b>Polished aluminum license plate holder on rear of body, with LED light</b>
<b>50-21-8800</b>	<b>1</b>	<b>LED intermediate turn signal/clearance/reflector length &gt;30'</b>
<b>50-22-0770</b>	<b>1</b>	<b>Whelen M6 4VLED tail/brake-turn-backup and warning module (pr)</b> Includes M6 warning light red with red lens
<b>50-31-6073</b>	<b>1</b>	<b>Scene lights (pr) - Fire Tech GESM right side upper</b> Switched in cab and on pump panel Includes chrome bezel
<b>50-31-6074</b>	<b>1</b>	<b>Scene lights (pr) - Fire Tech GESM left side upper</b> Switched in cab and on pump panel Includes chrome bezel
<b>50-31-6075</b>	<b>1</b>	<b>Scene lights (pr) - Fire Tech GESM rear facing upper</b> Switched in cab, on pump panel, at rear (in cast aluminum box), and when the vehicle is in reverse Note that these lights cannot be managed, required for ULC
<b>50-31-6610</b>	<b>1</b>	<b>Ground lighting (4" LED) - 4 door chassis</b>
<b>50-31-6620</b>	<b>1</b>	<b>Ground lighting (4" LED) - side mount body</b>
<b>50-35-0500</b>	<b>1</b>	<b>Installation of customer supplied mobile radio</b> Radio information list required - these lists are attached for customer completion Radio to be installed in cab console Current customer radio is Motorola XTL2500 Wiring harness for radio given to parts room December 20, 2024
<b>50-35-0560</b>	<b>1</b>	<b>VHF antenna with base - commercial chassis</b>
<b>50-99-05AA</b>	<b>1</b>	<b>Firecom Wireless Headset System</b> There shall be digital, single radio interface, intercom located in the cab. The front panel shall have master volume, and squelch controls with illuminated indicators, allowing for independent level setting of radio and auxiliary audio devices. There shall be one (1) radio listen only / transmit control with select, monitor, receive, and transmit indicators. There shall be one (1) auxiliary audio input with select, and receive indicators. Driver and officer are live mic, push button for radio out. Rear crew is intercom only, push to talk.

PART NO	QTY	DESCRIPTION
		<p>There shall be one (1) wireless base station for up to five (1-5) headset users provided. Wired headset jacks shall be provided for the officer, and two (2) crew positions located [location, intercom, C Cab].</p> <p>The wireless base station shall have a 100' to 1100' range, line of sight. Objects between the transmitter and receiver affect range.</p> <p>The following Firecom components shall be provided: •One (1) 5100D Intercom •One (1) WB505R wireless base station (1-5 wireless positions) •Three (3) HM-10 Interior headset jacks •All necessary power and station cabling</p> <p>There shall be One (1), Firecom™, Model UHW-505, wireless under the helmet, radio transmit headset(s) provided. A heavy duty, coiled 12 volt charging pigtail with plug shall be provided near the Driver's Seat.</p> <p>Each headset shall feature:</p> <ul style="list-style-type: none"> <li>•Noise cancelling electric microphone.</li> <li>•Flexible microphone boom.</li> <li>•Ear seals with 20 dB noise reduction.</li> <li>•Stereo Listen-Through Ear dome microphones.</li> <li>•Radio Push To Transmit button (Left or Right Side).</li> <li>•Rechargeable battery operates for 24 hours on a full charge.</li> <li>•IP-66 when worn.</li> <li>•Mic will be live for intercom communication</li> </ul> <p>There shall be One (1), Firecom™, Model UH-51, under helmet, radio transmit headset(s) provided at the Officer's Seat. Each headset shall feature: •Coiled cord with rugged angled plug •Noise cancelling electric microphone •Flex boom rotates for left or right dress •Adjustable volume control •ComLeather ear seals with 24 dB noise reduction •Radio Push To Transmit button. Mic is always live for intercom communication</p> <p>There shall be Two (2), Firecom™, Model UH-52, under helmet, intercom only headset(s) provided at the rear crew seating positions. Each headset shall feature: •Coiled cord with rugged angled plug •Noise cancelling electric microphone •Flex boom for left or right dress •Adjustable volume control •ComLeather ear seals with 24 dB noise reduction •Intercom Push To Talk button.</p> <p>(4) ceiling hooks shall be installed to hang each headset on for storage and charging (Driver)</p> <p>Wireless headset for driver only, other headsets are wired.</p>
50-99-10AA	1	<p><b>Switches on Pump Panel</b></p> <p>The following items shall have switches mounted on the left side pump panel:</p> <ul style="list-style-type: none"> <li>- Pump Heater (with RED pilot light)</li> <li>- Pump Panel Lights</li> <li>- Left Scene</li> <li>- Front Scene</li> <li>- Right Scene</li> <li>- Rear Scene Lights</li> <li>- Hosebed Lights</li> <li>- Left telescoping Flood</li> <li>- Right telescoping Flood</li> </ul>
50-99-15AA	1	<p><b>LED Hosebed Lights - Under Deckplate Covers</b></p> <p>Lumabars mounted on underside of hose bed covers, illuminated when park brake</p>

PART NO	QTY	DESCRIPTION
		is set.
		Additional JETCO 300-3161F 4" square LED flood at front of hose bed, switched on the pump panel. Note that the switch is powered only when the park brake is set.
50-99-20AA	1	<b>FT-B-65-B 65" Fire Tech brow light</b> 65" FireTech FT-B-65-B brow light (1571342) to match the 23197 Rescue. Mount this light below the clearance lights on the front of the cab as shown on the Proposal drawing FT-11618Rev7. Return the 1571323 brow light to Firetech for credit. Spot, flood and scene options, shall be installed on the cab, centered in front of it. The switches shall be in cab (spot, flood and scene with separate switches) and on the pump panel (scene only).
50-99-25AA	2	<b>Fire Tech FT-MB-12-TR-FT-W 18" LED Light bars</b> Two (2) FT-MB-12-TR-FT-W 18" LED Light bars, mounted on the top of the cab, one left and one right. They shall be switched in the cab (Left Alley and Right Alley for these lights only) and pump panel (illuminate with LS Scene and RS Scene).
50-99-30AA	1	<b>Opticom Model 795 Infrared LED Emitter</b> Provided with light bar, see WECAD Powered when master emergency switch is on AND park brake released, no separate switch Customer requests that Metalfab program the OPTICOM - Confirm if Custom Communication has this capability and what information will be required from the City of Fredericton to accomplish this _____
		<b>BODY</b>
60-10-1400	1	<b>Single axle extruded aluminum body</b> 1" Raised Floor for each compartment 16" Inset Intermediate step at rear Inset right side of body for HLAS
60-10-4100	1	No "beavertail" rear step supports
60-10-4600	1	Painted fender surround
60-10-46AA	1	<b>Rear fender trim to be rubber fenderettes</b>
60-10-5400	1	Diamondback pumphouse steps
60-10-54AA	1	<b>Diamondback 11" rear step</b> Include white reflective vinyl in rub rail channel
60-10-6500	1	<b>Bolt on extruded aluminum rub rail</b>
60-11-0200	1	<b>Front left side compartments intermediate height</b>
60-11-0250	1	<b>Second front left side compartments intermediate height</b>
60-11-0700	1	<b>Front right side compartments full height</b>
60-11-1000	1	<b>Rear left side compartments full height</b>
60-11-1100	1	Rear right side compartment to top of wheel well
60-11-2000	1	<b>High side compartment (over 18") each</b>
60-11-3200	1	Full Height Rear compartment
60-11-4500	3	<b>Flush mount aluminum door - single with "D" handle</b> For L2 (vertical hinge), L3 and R2 (horizontal hinge flip up style)
60-11-4510	3	<b>Flush mount aluminum door - double with "D" handle</b> L3, R1, and R3; all vertical hinged Top and bottom latch on door without "D" handle to be connected by cable

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>60-11-5510</b>	<b>1</b>	<b>Rollup door - intermediate height</b> Door to be painted job colour Requires changing the end shoes - confirm with AMDOR if anything else needs to be changed or if slats need to be shortened.  Painted job colour Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point For rear step level compartment
<b>60-11-5530</b>	<b>1</b>	<b>Rollup door - to enclose pump panel</b> Door to be painted job colour Requires changing the end shoes - confirm with AMDOR if anything else needs to be changed or if slats need to be shortened.  Painted job colour Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
<b>60-11-5654</b>	<b>1</b>	<b>Amdor pull strap not requested</b>
<b>60-11-5660</b>	<b>1</b>	<b>Amdor pull straps - Flex - HD (for door opening 49"-70")</b> For pump house door
<b>60-31-4100</b>	<b>1</b>	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface
<b>60-31-55AA</b>	<b>1</b>	<b>Steps at rear of body ICI folding and lighted</b> Maximum height between steps is 18"
<b>60-31-56AA</b>	<b>1</b>	<b>Steps and grab handles at front of body next to pump panel</b> ICI folding and lighted Maximum height between steps is 18"
<b>60-31-6510</b>	<b>1</b>	<b>Compartment matting - black "Turtle Tile" brand</b>
<b>60-31-7900</b>	<b>1</b>	<b>Vertical unistrut tracking in all compartments</b>
<b>60-31-8004</b>	<b>2</b>	<b>BA bottle compartment (ea) - fender well - triple tube type with SS door</b> Install in LS fender well forward and behind rear wheel Door switch required to activate Door Ajar warning lightg when door is open
<b>60-31-8200</b>	<b>2</b>	<b>Sliding vertical tool board</b> Two (2) adjustable vertical pull out tool boards shall be installed in the rear section of the R1 compartment to allow pump access. Tool boards are to be full height. Toolboard to be punched with pegboard pattern 1-7/8" centres suitable for PAC brackets. Each tool board shall be as deep as possible. <ul style="list-style-type: none"> <li>· Maximum load capacity of at least 400 lb when fully extended.</li> <li>· Constructed of 3/16" aluminum.</li> <li>· Shall be maintained in open or close position with heavy duty gas cylinders on tray slides.</li> </ul> Locate one 4" from rear wall, second one 8" from the rear toolboard
<b>60-31-8400</b>	<b>1</b>	<b>Fixed vertical partition</b> R1 - 4" forward of toolboards

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>60-31-8700</b>	<b>2</b>	<b>Adjustable sliding tray (ea) - 400 pound capacity with gas strut</b> Reflective stripe is applied on the exposed edge for visibility when the compartment door is open One in R3, one in L2
<b>60-31-9000</b>	<b>2</b>	<b>Drop down tray - custom</b> Reflective stripe is applied on the exposed edge for visibility when the compartment door is open 1 - L3 1 - R2 To be a custom drop down tray per photos 6093-6098 from customer rather than tilt tray
<b>60-31-9600</b>	<b>5</b>	<b>Adjustable shelf (ea)</b> Reflective stripe is applied on the exposed edge for visibility when the compartment door is open 1 - R1 shallow between vertical partition and front of compartment 1 - R2 full depth of shallow compartment 1 - R3 shallow 1 - L1shallow 1 - L3 shallow
<b>60-32-3550</b>	<b>1</b>	<b>Two adjustable hose divider (each)</b> Hand hold required in end
<b>60-32-8000</b>	<b>1</b>	<b>Hose bed - turtle tile</b> Shall accommodate and supply 1000' of 4"/100mm supply line type hoses. Also shall accommodate and supply 400' of 2-1/2"/65mm discharge line. Outer hose beds run all the way to the front of the body, small storage area ahead of fill towers per photo 6134
<b>60-33-0000</b>	<b>1</b>	<b>Paint exterior two tone - Imron Elite</b> *** Paint code and colour - To match Chassis Cab black over red
60-33-0200	1	Undercoat vehicle with KROWN rust protection
<b>60-33-0600</b>	<b>1</b>	<b>Chassis wheels not painted</b>
60-33-1000	1	Paint pump and plumbing job colour
<b>60-33-1600</b>	<b>1</b>	<b>Special paint compartment interior - gray zolatone</b> All shelves, trays, unistruts, compartment interior to be painted, our standard silver gray (20-72)
<b>60-33-2300</b>	<b>1</b>	<b>Lettering - special graphics -</b> Fire Department approved lettering and striping layout drawing Apr 1-25.
<b>60-33-3300</b>	<b>1</b>	<b>Reflective stripe - special graphics</b> Include white reflective vinyl in rub rail channel There shall be a black 4" reflective stripe - material shall be 3M scotchlite outlined below with 1" Gold reflective affixed low across the front of the chassis and along the sides up to the first compartment on each side where it shall angle up and back to a point above the wheel well area where it shall then run level to the back edge of the body. There shall be a 1" gap provided between of the stripes. At least 50 % of the total length of the vehicle (body and cab) each side. At least 25 % of the width of the front of the vehicle. See photos 6141-6172 for reflective striping layout

PART NO	QTY	DESCRIPTION
		Fire Department approved lettering and striping layout drawing Apr 1-25.
60-33-3320	1	<b>Reflective stripe - red and yellow chevron at rear - 3M Diamond Grade material</b> Applied to minimum 50% of rear vertical surface
60-33-3600	1	<b>Reflective stripe - inside entry doors</b> 96 square inches minimum inside each cab entry door, diamond grade chevron requested.
60-33-46AA	1	<b>End tarps for speedlays</b> To be equipped with continuous velcro around the perimeter of the tarp. Tarp to be black in colour
60-33-50AA	1	<b>Aluminum cover over hose bed with end tarps - black</b> The main hose bed shall be covered by four checker plate panels that meet NFPA requirements for slip resistance as a walking surface. It shall be able to support the weight of a man (250 pounds). A device must maintain the panels firmly in place with a positive locking system. There shall be a black tarp covering the rear of the hose bed. An orange strap shall be installed to visually show where to open the tarp. See photos 6122-6139 for configuration, no gas struts necessary, ball and socket style hold backs to be provided A fixed centre partition will be provided to support the hose bed covers. This partition is to be inset 14" from the rear of the hose bed to allow 4" hose to be laid on both sides of the cover.
60-40-5500	2	<b>Suction hose tube (each) with door</b> Include door ajar switch
60-40-9000	1	<b>Tube mount for ladders, with rear door</b> Include a roller at the bottom edge of the compartment Include a door ajar switch Install right side behind high side compartments
60-40-9500	1	<b>Tube for portable tank storage, with rear door</b> Include a roller at the bottom edge of the compartment Include a door ajar switch Install left side behind high side compartments
60-41-1015	2	<b>Pike Pole tube in suction hose tube</b>
60-41-1500	1	<b>Attic ladder tube with rear door</b> Integral with 60-40-5500 suction hose tubes
60-91-0900	1	<b>Top mount "coffin" compartments with hinged lids and lighting</b> Three compartments, two accessible from the top at the right of the body above the side compartment over the rear wheels and rear side compartment and one accessible from the top at the left of the body ahead of the suction hose tubes. The compartments shall be as large as possible. The compartment top lids shall be built from aluminum tread plate and shall include a stainless steel grab handle and shall be held in the open position by gas cylinders. The compartments shall be weatherproof. Compartments shall be equipped with LED rope lighting and c/w door switch.

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>60-99-05AA</b>	<b>2</b>	<b><i>Sliding Tray - 1000 pound capacity</i></b> Each slide out provided in L3 and R3 shall be built as specified below, unless specified otherwise. Each slide out shall be as wide and deep as possible. · Maximum load capacity of at least 1000 lb when fully extended · Minimum exterior slide extension should be about 20". · Constructed of minimum 3/16" aluminum, with a minimum 2" lip and as deep as possible · Shall be maintained in open or close position with a gas cylinder or with self locking tray slides when cylinder installation is not possible. · Bottom of the shelves are covered by rubber tiles of a least 5/8" thick. · All trays installed on the bottom of the compartments shall have two (2) aluminum runners with nylon cover installed near the center to avoid the tray from collapsing if necessary. Each tray shall have two (2) seat belt style straps to hold firefighting equipment, i.e. PPV fans, trash pumps etc. These straps will be secured at the back of the tray so they can be easily latched at the compartment opening. The webbing is to be long enough to enclose a piece of equipment the height of the full depth portion of the compartment Holes in front corners only for draining outside the compartment.
<b>60-99-10AA</b>	<b>1</b>	<b><i>Storage compartment in Fenderwell</i></b> A body wheel well storage area shall be provided to match the size of the 60-99-15AA absorbent compartment Door to be provided with a door ajar switch
<b>60-99-15AA</b>	<b>1</b>	<b><i>Fenderwell Absorbment Storage Bin</i></b> Rear right side wheel well shall have a custom slide out absorbent storage bin. Bin will have an underside dispenser controlled with sliding gate valve. Refillable from the top. Door to be provided with a door ajar switch Customer confirmed that capacity of 3 x 25 pound bags is adequate
<b>60-99-20AA</b>	<b>1</b>	<b><i>Front Bumper Chevron - diamond grade to match rear chevron</i></b>
<b>60-99-30AA</b>	<b>2</b>	<b><i>Custom tool tray cabinet</i></b> Pull out tool trays in a tool chest style arrangement with gas struts to hold trays open and closed. Include 3 trays 4" deep with handle or oval hole to open. One set for L1 one set for another truck with dimensions as follows: 24" deep, 27" width to outside of hardware, 12" to centre of unistrut from front edge of tray and 6-1/4" to centre of rear unistrut from back of tray. Finish for both cabinets to be gray zolatone to match the compartment interior.
<b>INSTRUMENTATION</b>		
<b>70-11-0000</b>	<b>1</b>	<b><i>Warning Label on Pump Operator's Panel</i></b>
<b>70-11-0501</b>	<b>1</b>	<b><i>Side mount instrument panel with rollup door LS only</i></b> Pump house to be even with the top of the cab to maximize 70-11-51AA storage at top of pump house.
<b>70-11-1110</b>	<b>1</b>	<b><i>Black zolatone instrument panels</i></b> LS panel layout to match customer photos 6107-6115 as closely as possible
<b>70-11-3200</b>	<b>1</b>	<b><i>Colour coded tags</i></b> Discharge colours as below: Preconnect 1 - front bumper - Yellow Preconnect 2 RS - Red Preconnect 3 LS - Green Preconnect 4 2-1/2" rear - White Discharge 3 2-1/2" LS - Blue

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
		Discharge 4 2-1/2" LS - Black
		Discharge 5 2-1/2" RS -Orange
		Deck gun - Silver
		LDH 4" RS - Yellow with white border
		Inlets - Burgundy
		Fire Department approved tag layout drawing Apr 1-25.
<b>70-11-4002</b>	<b>1</b>	<b><i>Stainless steel side panel hood right side</i></b> Located under speedlays
<b>70-11-4102</b>	<b>1</b>	<b><i>Stainless steel side panel hood left side</i></b> Located under speedlays
<b>70-11-51AA</b>	<b>1</b>	<b><i>Storage at top of pump house</i></b> Enclosed storage with tread plate door each end Compartment to be water tight Interior to be zolatone finish Floor to be turtle tile Compartment to include lighting, vents, drains
<b>70-11-5200</b>	<b>1</b>	<b><i>Surface mount tread plate doors for compartment over pump house</i></b> Door ajar switches required Surface mount tread plate door with quarter turn "D" handle
<b>70-11-55AA</b>	<b>1</b>	<b><i>Right side pump removable access door - zolatone finish</i></b> No opening dimension less than 18"
<b>70-11-75AA</b>	<b>1</b>	<b><i>Custom heat pan - aluminum</i></b> Requested approximately 48" wide x 72" long, minimum 10" ground clearance Two piece design Notched front and rear for driveshaft Sump box and sump drain to be enclosed in the heat pan
<b>70-11-8000</b>	<b>2</b>	<b><i>Heater in pump compartment</i></b> Locate one heater low, one high Switched on pump panel, reference 50-99-10AA
<b>70-11-8200</b>	<b>1</b>	<b><i>Rubber seal around suction and discharge openings on side pump panels</i></b>
<b>70-20-1120</b>	<b>2</b>	<b><i>4-1/2" compound gauge - dual face 0-400 Thuemling brand</i></b>
<b>70-20-2130</b>	<b>9</b>	<b><i>2-1/2" pressure gauge - dual face 0-400 - Thuemling brand</i></b>
<b>70-20-2500</b>	<b>1</b>	<b><i>Primer control</i></b> To prime main pump
<b>70-20-2501</b>	<b>2</b>	<b><i>Additional Primer control</i></b> One for each 30-31-7205 MIV, to pre prime outboard of right side and rear inlet valves
<b>70-20-3100</b>	<b>1</b>	<b><i>Class One Governor Control</i></b> Throttle can be no lower than 42" and no higher than 72" from operator's standing position.
<b>70-20-3500</b>	<b>1</b>	Electric water level gauge on pump panel, Class One
<b>70-20-3611</b>	<b>1</b>	<b><i>Remote PSTANK2 water level indicators each side, rear with driver</i></b> Interlock with park brake so active only when park brake is set

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
70-20-6500	1	Test gauge panel Mount below the compound gauges for proper draining
70-20-7500	1	<b>Heat exchanger control valve</b>
70-20-75AA	1	<b>Selector valve in heat exchanger plumbing with garden hose connection on panel</b> Include a three way valve in return line from heat exchanger to allow discharging heated water through a garden hose connection on the pump panel. Male connection on the left side pump panel to be provided with a blind cap.
70-20-7600	1	<b>Pump cooler control valve</b>
70-21-1500	1	<b>Electric Foam Level gauge</b> Include access to and room for sender in front of body and back of pump house
70-21-5500	1	<b>Panel readout for Battery Conditioner</b> Locate next to 20-51-7500 120 volt inlet
<b>ACCESSORIES</b>		
80-11-5000	2	<b>6" x 10' lightweight suction hose (ea)</b> Tube mounted ref 60-40-5500
80-12-2500	1	<b>6" barrel strainer</b> Ship loose
80-12-4500	1	<b>6" low level strainer with NPSH 1-1/2" venturi connection, Storz adapter</b> Provide NPSH thread and Storz adapter
80-13-0500	1	<b>Rubber mallet</b> Ship loose
80-13-2200	1	<b>Pike pole, fibreglass handle - 8' long</b> Tube mounted ref 60-41-1015
80-13-2520	2	<b>Pike pole, fibreglass handle - 6' long - "D" handle</b> Tube mounted ref 60-41-1015
80-14-0505	1	<b>24' 2 section extension ladder - Duo Safety 900-A</b> Mounted in tube ref 60-40-9000
80-14-5510	1	<b>14' aluminum roof ladder - Duo Safety 775-A</b> Mounted in tube ref 60-40-9000
80-14-8510	1	<b>10' aluminum folding attic ladder - Duo Safety 10-585-A</b> Tube mounted ref 60-41-1500
80-15-05AA	1	<b>1500 US Gallon portable tank - Husky</b> Tube mounted ref 60-40-9500 Note special capacity
80-16-0500	1	<b>TFT Crossfire Portable/Deck Monitor with stacked tips</b> Mount on 30-44-6500 discharge XFF-APL truck adapter, XFC42-1SP-S package

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
80-16-05AA	1	<b>Price Adjustment</b>
80-18-0500	1	<b>SCBA bracket with strap - compt mount</b> To be located in L1 compartment, as directed by customer _____
80-18-0650	3	<b>Supply and install SmartDock SCBA bracket in chassis split seat backs (ea)</b>
80-19-0500	2	<b>Large folding wheel chock - aluminum (ea) not mounted</b>
80-19-0600	2	<b>Horizontal bracket for folding wheel chock (ea)</b> Shipped loose
80-20-3005	1	<b>5 LED Survivor Light Bank c/w 5 lights</b> There shall be a 5 LED Survivor Light bank complete with lights shall be supplied and installed on back of console in cab. Wire to 12 volt through master battery disconnect switch
80-99-10AA	1	<b>TFT model AXE1SX-NX-F Jumbo Low Profile Intake Valve with Front Crank (6" thread)</b> TFT model AXE1SX-NX-F Jumbo Low Profile Intake Valve with Front Crank (6" threaded by 4" Storz) Provision on LS pump panel to allow leaving this valve in place on the LS 30-31-4000 inlet
80-99-15AA	1	<b>PacTool Brackets</b> · Pac-Mount tool brackets: Axe/Halligan Combo Large Bolt Cutter Small Bolt Cutter 4ft D handle pike pole 4ft NY hook Shovel D handle Street Broom Rescue Axe Sledge or Maul Fire Axe Splitting axe
80-99-20AA	1	<b>Price Adjustment</b>
80-99-20BB	2	<b>6" NHF long handle adapter x 4" straight Storz with cap</b> Hardcoat finish One for 30-31-60AA rear inlet and one for 30-31-4000 RS inlet
80-99-25AA	1	<b>2-1/2" Storz x 1-1/2" Storz adapter for front discharge</b> For 30-44-11AA front discharge
80-99-30AA	2	<b>New York Hook - 6' with fibreglass D handle, PAC mount</b> Locate each side of pump house next to telelight