



Shop Order

City of St. John's
 Annette Power
 St. John's, NL
 ampower@stjohns.ca

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Sales Rep: Ryan Stacey	Terms: Chassis Net 10 days Body and Equipment COD
Drawing #: FT-11640	
Est. Delivery Date: / /	
Customer PO #: PUR00149988	Penalty:
Customer #:	None
QPF #:	

Exp. Date: 08/10/2023
Quote No: RSTNL-0017
Job/Order No: 23138
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

05/01/2025

PART NO	QTY	DESCRIPTION
== Metalfab Pumper - ULC 05/13 - 0.000 ==		
Change Order E		
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
00-20-1600	1	Waterous Pump Warranty - 5 years
00-20-1800	1	Polypropylene Tank Lifetime Warranty
00-20-2100	2	Plant Inspection Visits
		2 trips for 2 people
		One at prior to painting
		One final inspection
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
GENERAL INFORMATION		
10-11-0000	1	Intent
10-11-0110	1	Vehicle data recorder included with chassis
10-11-1100	1	ULC S515-13 Compliance
		Labels to be bilingual English/French

PART NO	QTY	DESCRIPTION
10-11-1500	1	ULC Testing - Pumper - Imperial units of measure
10-11-2100	1	Maximum length not specified
10-11-2200	1	Maximum height not specified
10-11-2400	1	Overall length is 30' or more
10-11-2500	1	General Construction
10-11-3000	1	Manuals - two copies ***Two copies of chassis manuals are required.
10-11-3600	1	Delivery - by Emergency Repair Metalfab delivers truck to Fredericton for pickup by Emergency Repair The lettering will be covered for transit so that the unit are not identifiable The driver will be instructed that no pictures of the units are to be posted on social media until the customer accepts the units
10-11-4000	1	Payment Terms - Chassis Net 10 days, Balance COD
10-20-1400	1	Hose capacity exceeding ULC/NFPA requirements - SPECIFY Requested hose load: 200' x 45 mm 800' x 100mm LDH 800' x 65 mm 600' x 45mm Add 888 pounds to hose load allowance for ULC testing
10-20-2000	1	Equipment carrying capacity - standard ULC Pumper CHASSIS INFORMATION
20-11-1001	1	Chassis supplied by Metalfab - Spartan Metro Star 2025 Spartan MetroStar MFD with 10" raised roof - IMMI APS 20,000 front axle-24,000 rear axle, 44,000 GVW Two tone L0006EY white over L3240EY red, spray outs approved by customer Cummins X12-500 HP @ 1900 RPM, 2000 RPM full load; 1700 torque@ 1000 RPM Allison 4000EVS automatic transmission Aluminum wheels and wheel trim provided 195" WB - confirmed by Engineering Q2B siren, PA4000 siren/speaker, air horns provided, light bar, go lights, manual over ride for cab tilt, emergency engine shutdown provided with chassis 6 person cab
20-11-1500	1	2013 Emission chassis modifications
20-11-1700	1	Chassis Motor Vehicle Inspection required - NB E
20-21-0500	1	Fluid capacity plate
20-21-0600	1	Pumping test plate
20-21-1040	1	Maximum riders sign - 6 persons
20-21-1510	1	Seat belt warning labels - 4 door chassis
20-21-1560	1	LED Tire Pressure Indicators - Single Axle
20-21-1600	1	Apparatus Information Label 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"

PART NO	QTY	DESCRIPTION
20-21-2001	1	Non removable key provided with chassis
20-21-2500	1	Shifter lock not required
20-21-3500	1	Rear step warning label
20-21-3810	1	Front mudflaps provided with chassis
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-31-0100	1	Fuel tank or step covers not required
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only
20-31-1900	1	Chassis cab white over red from Spartan
20-31-7510	1	Console in cab not requested
20-41-0500	1	Price Adjustment
20-41-0900	1	Auxiliary braking system disabled when pumping
20-41-1130	1	Transmission programming - Allison 4000EVS
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
20-41-2550	1	Fuel fill at LS rear fender well
20-41-2600	1	Chassis fuel tank remains in OEM location
20-41-5000	1	Rear Tow Hooks - under body *** Flat bar tow hooks under rear step (2)
20-51-0700	1	Master Battery Disconnect included with chassis
20-51-2500	1	Back up alarm included with chassis
20-51-3400	1	Protection valve installed for air operated accessories
20-51-65AA	1	Kussmaul Chief 40 A autocharge battery conditioner 1031946 Install in chassis cab behind driver's seat, bracket required to raise above the electrical harnesses. Wired to the auto eject provided with the chassis.
20-51-7102	1	Electric System Manager included with chassis E
20-51-7500	1	Super Auto eject for 120 v - 20 A with sealed enclosure The electrical inlet (shipped loose with Spartan chassis) shall be installed on the upper left rear of the apparatus body approximately 6ft from the ground. Ensure proper isolation method is used between the plate and the body - isolation tape between the stainless panel and the painted surface, ECK in the mounting holes for the stainless fasteners.
20-51-8505	1	Engine compartment light included with chassis Switched when cab is tilted
20-51-9001	1	Air horns provided with chassis
20-52-0010	1	Air horn control/actuation on pump operators panel The label will indicate "Air Horn"
20-52-0500	1	Rear step to cab buzzer Locate below auto eject LS rear (similar to previous units)

PART NO	QTY	DESCRIPTION
20-52-3500	1	Chassis steering wheel lined up by Metalfab
20-52-40AA	1	Rear view camera wired to VISTA display LS only Requires Voyager camera to interface with VMUX
20-60-0400	1	Chassis wheelbase does not change
20-99-10AA	1	Extend air tank drains to rub rail Metalfab to install new drains and cables as the truck currently has petcocks
PUMP AND PLUMBING		
30-12-3900	1	Packing for Waterous pumps
30-12-6500	1	Waterous CSU single stage 1500 IGPM
30-15-0204	1	Plumbing - Waterous manifold pump SM SS E
30-20-0500	1	Valves and controls - side mount panel
30-20-1002	1	Akron valves specified
30-20-1600	1	Piping stainless steel - general
30-20-1700	1	1-1/2" thread specifications NPSH Confirmed at precon
30-20-1800	1	2-1/2" thread specifications 3.25 x 5 V sharp Confirmed at precon
30-20-2000	1	Piping hydrostatic test
30-20-2500	1	Anodes in suction and discharge piping 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. Ordered with pump
30-21-5560	1	Tank to Pump SS 3" w/ check valve manifold pump
30-22-0520	1	Tank Fill valve 2" SS
30-31-4010	1	Suction - 6" not gated each side manifold pump Ensure there is ample room for 80-15-7005 Piston intake valve on left side. The inside of the suction cap will be approximately 1" from the stainless steel pane to allow the most room for external accessories to be connected.
30-32-7545	2	Suction - 2-1/2" left side SS, bleeder, Waterous manifold pump Controlled at valve
30-32-8045	2	Suction - 2-1/2" right side SS, bleeder, Waterous manifold pump Controlled at valve
30-40-2025	1	4" right discharge SS, plumbed 3", Waterous manifold pump
30-41-2025	2	2-1/2" RS discharge SS, bleeder, Waterous manifold pump
30-41-2525	2	2-1/2" LS discharge SS, bleeder, Waterous manifold pump
30-43-1520	2	2-1/2" rear discharge SS, plumbed 2-1/2", bleeder One each side at rear
30-44-0720	2	1-1/2" speedlay (each) front of pumphouse SS, plumbed 2" No hose bed lighting required for this configuration To include removable tray on UHMW slides Capacity 200' x 1-3/4" hose per tray
30-44-1020	1	1-1/2" front trash line SS, plumbed 2", hosewell Provide a light in hose well per current ULC requirements

PART NO	QTY	DESCRIPTION
		Capacity minimum 100' x 1-3/4" hose plus a nozzle to match previous units - confirmed at precon
		Swivel at bottom of hose well to match previous units - confirmed at precon
		Replace the hosewell cover as the current cover has a notch which is not required in this configuration
30-44-6520	1	Piping for monitor SS, plumbed 3", bleeder Maximum height with monitor installed not specified Make and Model of Monitor 80-16-0500 Akron 3423 Piping to be centered left to right and front to back in the area behind the crosslays. Plumb so height of monitor 80-16-05AA on riser 80-99-10AA is no higher than the top of the cab when it is in the stowed position. The riser will have 12" of travel
30-51-0510	1	Pump shift - Midship air ***Includes "Pump Engaged" and "OK to Pump" indicator lights on chassis instrument panel ***Includes "Throttle Ready" indicator light on Pump operating panel Waterous air shift mounted to RS of steering column - provided this does not interfere with IMMI APS - to match previous units
30-51-0700	1	Pump Gearbox mounted manual over ride for pump shift
30-51-6640	1	Class One "TPG Plus" Governor/Throttle Confirmed at precon
30-51-7000	1	Suction side relief V/V, manifold pump
30-51-7718	1	Trident Automatic Air Primer 3 barrel 1 location with gauge
30-51-7720	1	Price Adjustment
30-51-8100	1	Heat exchanger included with chassis
30-51-8500	1	Pump cooler with control valve, check valve
30-52-1000	1	Master drain V/V, 12 port
30-52-2000	1	Drain valve for foam system header
30-52-4215	1	Foam System - Hypro FoamPro 2002 Single Tank Plumbed to the 1-3/4" front trash line and speedlays; plumbed to both rear 2-1/2" discharges Confirmed at precon
30-52-8100	1	Electric foam fill pump with panel pickup Pick up and on/off controls to be installed on the right side pump panel to allow foam concentrate refilling from the ground and shall be located towards the right side of the pump panel so accessible when intake and discharge lines are attached to the vehicle. ***The system shall have a "y" strainer immediately before and after the pump to prevent contamination of the foam concentrate in case of pump failure and to prevent contaminants from entering the pump.
30-52-9100	1	Foam concentrate label at foam tank fill
30-52-9200	1	Foam System Instruction Plates
30-52-9400	1	NFPA Foam System certification test
WATER AND FOAM TANKS		
40-11-2100	1	Polypropylene water tank (Imperial gallons)
40-11-2200	1	Water tank capacity certification (tank manufacturer)
40-11-4000	1	Tank capacity 500 Imperial Gallons
40-12-5000	1	Foam cell - 30 Imperial gallon Foam cell fill box and cover to be located at the centre front of the tank to maximize

PART NO	QTY	DESCRIPTION
		hose bed space
40-13-0100	1	Through the tank tunnel - up to 20 cu ft For suction hose storage
40-21-0500	1	3" tank to pump connection
40-22-0500	1	2" tank fill connection
40-23-0500	1	1" water level gauge connection
40-30-0500	1	Sump drain valve (3" gate valve) with linkage
40-30-1000	1	Water Fill Box front centre behind foam fill tower Located centre front of tank immediately behind the foam fill tower to maximize hose bed space
40-31-0400	1	Rear dump valve not requested
40-31-6050	1	Rear fill not requested
ELECTRICAL		
50-11-0400	1	Base electrical system - Spartan multiplex Electrical connections shall be stud type bolted or crimped connectors. Spartan chassis provided with dual VISTA displays Cab dash panel layout approved at precon with changes, attached VISTA programming to match previous units as closely as possible, confirmed at precon
50-11-0600	1	Warning Light Certification
50-11-0700	1	Low Voltage Electrical system test
50-11-0800	1	Low Voltage Electrical System Documents As required by ULC and NFPA standards
50-11-2600	1	Siren to be accessible to driver and officer Provided with chassis, see chassis dash layout
50-11-5990	1	Whelen light bar included with chassis Light bar changed to 60" to clear Go Lights similar to previous units WECAD attached
50-11-6501	1	Rear Directional Light not required
50-12-8521	1	Front flashers, intersection lights included with chassis, Whelen 600 Located inboard and outboard front of chassis each side Located on ends of bumper Located above front wheels
50-12-8620	1	Rear LED flashers (pr)-Whelen red LED 900 with integral flasher Mounted high at rear
50-12-86AA	1	Rear LED flashers (pr)-Whelen red LED 700 with integral flasher Low level warning so maximum 62" from ground to optical centre of light
50-12-8810	1	Body side inter lts (pr)-Whelen red LED 600 with integral flasher
50-12-8820	1	Body side inter lts (pr)-Whelen red LED 900 with integral flasher One mounted each side high at rear upper corners
50-21-2541	2	Price Adjustment
50-21-5100	1	Compartment lighting - LED tube lights in each compartment (rollup doors)

PART NO	QTY	DESCRIPTION
50-21-5500	1	Door Ajar warning light Warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-80AA	1	Step lights for body steps - 4" LED Switched with park brake To be TruckLite 44308C to match chassis
50-21-82AA	1	Step lights for chassis steps included with chassis
50-21-8600	1	LED clearance lts and reflectors
50-21-8800	1	LED intermediate turn signal/clearance/reflector length >30'
50-22-0700	1	Whelan 64 LED tail/brake-turn-backup module (pr) Amber turn light at top Red tail brake light in middle Clear reverse light at bottom
50-31-6505	1	Ground lighting included with chassis E
50-31-66AA	1	Ground lighting (4" LED) - side mount body Switched with park brake To be TruckLite 44308C to match chassis
50-35-0500	1	Provision for customer mobile radio - power and ground only Auxiliary power and ground provided behind dash - 40A battery direct and 15 A Ignition switched Spartan Option 5031-005
50-99-05AA	2	Price Adjustment
50-99-10AA	1	Work surface lighting Additional lighting provided for the rear intermediate step (lumabar mounted above the upper rear door same as previous units) Additional lighting provided for the walkway (lumabars) Additional lighting provided under the hose bed covers for the hose bed (lumabars) Additional lighting for storage area above pump house - confirmed at precon All lighting active when park brake is applied.
50-99-10BB	2	FRC rear floods - FCA580-V11-ON 12V LED 11k Lumens - switched in cab Located one (1) on each side at the top rear of the apparatus body. The rear flood lights shall be switched on light head as well as function through a virtual button on the vista display screen and also activate when the vehicle is placed in reverse. The switch on the light head will be the main control so the control in the cab and reverse interlock would be defeated if the switch is off on the light head. These lights cannot be managed to shed as they are required for ULC Model is FCA580 to be side mount to match previous units
		BODY
60-10-1400	1	Single axle extruded aluminum body *****Subframe tubing to be 3/8" wall thickness***** Metalfab part # 3040213 Aluminum 1/2" x 1/2" x 1/8" protective chip guard shall be installed on the lower edge of both rear compartments, L2 and R2 only. L1, R1, L3 and R3 will not have them where protection is provided by the rub rails and to match previous units. Body corner extrusions are to be rounded type to match previous units
60-10-4100	1	No "beavertail" rear step supports

PART NO	QTY	DESCRIPTION
60-10-4500	1	Aluminum tread plate fender surround - single axle
60-10-4700	1	Integral aluminum fender trim
60-10-5400	1	Diamondback pumphouse steps
60-10-5430	1	Diamondback 19" rear step
60-10-6500	1	Bolt on extruded aluminum rub rail E White reflective to be installed in rubrail. The rub rail will have standard anti-slip surface on the top surface
60-11-0300	1	Front left side compartments full height E
60-11-0700	1	Front right side compartments full height E
60-11-1000	1	Rear left side compartments full height E
60-11-1400	1	Rear right side compartments full height E
60-11-2000	2	High side compartment (over 18") each
60-11-3200	1	Full Height Rear compartment
60-11-5500	2	Price Adjustment
60-11-5520	1	Rollup door - painted job colour - full height for rear compartment Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5520	4	Price Adjustment
60-11-5600	2	Rollup door - painted job colour - standard height Painted to match body Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point For L2 and R2 compartments
60-11-5620	4	Rollup door - painted job colour - full height Painted to match body Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point For L1, L3, R1 and R3 compartments
60-11-5654	1	Amdor pull strap not requested
60-11-5655	2	Amdor pull straps - Flex - HD (for door opening 20"-37") SOPT #1114 - truck specific
60-11-5660	4	Amdor pull straps - Flex - HD (for door opening 49"-70") SOPT #1114 - truck specific
60-31-4100	1	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface One horizontal under the hose bed to right of the Zico access ladder One horizontal each side above pump panel
60-31-5000	1	Zico access Ladder at rear of unit Minimum 7" clearance between rung and any obstruction Locate on LS rear of body
60-31-5500	1	Steps at rear of body (folding) 2 x RS only Maximum height between steps is 18" Install two steps RS rear under the ladder tube Provide access holes inside the R3 compartment to allow nuts to be installed on these steps - due to corrosion these steps will be replace 2-3 times over the life of the truck. Install surface mount cover plate over each access hole.

PART NO	QTY	DESCRIPTION
60-31-5600	1	Steps and grab handles at front of body next to pump panel Maximum height between steps is 18" Provide access holes inside the R1 and L1 compartments to allow nuts to be installed on these steps - due to corrosion these steps will be replace 2-3 times over the life of the truck. Install surface mount cover plate over each access hole.
60-31-6500	1	Compartment matting - black plastic interlocking tile
60-31-8006	4	BA bottle compt (ea)-fender well Ahead and behind each rear wheel Includes retaining strap for SCBA cylinder 8" ID x 26" deep tubes
60-31-87AA	4	Sliding tray (ea) - 400 pound capacity with gas strut Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Located on floor of L1, L3, R1 and R3 compartments On previous units the latch on the front of the tray was not required as the tray is equipped with over centre gas struts, confirmed at precon that latch on the front of the tray is not required
60-31-9600	5	Adjustable shelf (ea) Reflective stripe is applied on the exposed edge for visibility when the compartment door is open One full depth shelf in each of L1, L3, R1, R3 and rear compartment
60-32-3570	1	Price Adjustment
60-32-35AA	1	Five hose bed dividers Hand hold required in end Three fixed dividers, full length of body, one next to suction hose storage, one each side of walkway. Two adjustable dividers, full length of body, one each side of walkway
60-32-7500	1	Hose bed - aluminum 200ft of 45mm 800ft of 100mm LDH 800ft of 65mm 600ft of 45mm Hose bed will run entire length of body to accommodate this hose load.
60-32-75AA	1	18" lighted walkway in centre of hose bed To allow travel in hose bed without stepping on hoses
60-33-0000	1	Paint exterior - Imron Elite *** Paint code and colour to match cab red
60-33-0200	1	Undercoat vehicle with KROWN rust protection
60-33-0600	1	Chassis wheels not painted Polished aluminum wheels provided with chassis
60-33-1000	1	Paint pump and plumbing job colour
60-33-1500	1	Buffed finish compartment interior
60-33-2200	1	Lettering - 80 letters up to 3" tall - 3 colour The Fire Department will arrange for the door crest on the front doors of the chassis to be installed after delivery at a cost of \$275 per unit billed to Metalfab.

PART NO	QTY	DESCRIPTION
		Lettering layout approved May 1-25
60-33-3300	1	Reflective stripe - special graphics 50% of perimeter each side, 25% of perimeter front Striping layout approved May 1-25
60-33-3320	1	Reflective stripe - red and yellow chevron at rear - 3M Diamond Grade material Minimum 50% of rear vertical surface to be chevron
60-33-4000	1	Tarp at ends of speedlays - black Fastened with velcro straps around the vertical hose rollers each side
60-33-5000	1	Aluminum cover over hose bed with end tarps - black Lock required to hold open, rubber hood latch at front and rear of walkway on each side to hold closed - the front hood latch to be approximately 12" back from water fill box; the rear hood latch to be approximately 24" from rear of hose bed. Lock required to hold open. Add 24" handle in middle of each cover to allow opening from walkway One each side full length of body, each side of walkway
60-40-5500	2	Suction hose tube (each) with door Located through the tank under hose bed in centre Door switch required for door ajar alarm
60-40-9000	1	Tube mount for ladders, with rear door This storage compartment to be weather tight and must be removable, for working in the pump module. Door ajar switch required For storage of the following components; Duo Safety 24' two section extension ladder 80-14-0505 (separate from 14' roof) Duo Safety 14' roof ladder 80-14-5510 (separate from 24') Duo Safety 10' folding attic ladder 10' pike pole 8' pike pole 80-13-2200 Interior of tube is sanded finish The door can swing to the side that will offer the widest angle to make deploying the ladders the easiest. 100-degree opening would be preferable so the ladders do not get caught in the latch during deployment / storage.
60-41-1000	2	Pike Pole tube integral with ladder tube
60-41-1500	1	Attic ladder tube integral with ladder tube
60-99-05AA	1	Rear Bolt On Intermediate Step Locate above the back compartment to access hose bed walkway, step to be the same width as the compartment.
INSTRUMENTATION		
70-11-0000	1	Warning Label on Pump Operator's Panel
70-11-0500	1	Side mount instrument panel 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 Include an access door on the front of the pump house facing the chassis cab for

PART NO	QTY	DESCRIPTION
		additional access.
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 LS panel to be equipped with a vertical hinge, to open to the rear, fastened with push type latches to match previous units, confirmed at precon
70-11-3200	1	Colour coded tags
70-11-4002	1	Stainless steel side panel hood right side Stainless panel hood confirmed at precon Pump panel lights active when park brake is applied, confirmed at precon
70-11-4102	1	Stainless steel side panel hood left side Pump panel lights active when park brake is applied, confirmed at precon
70-11-5100	1	Open storage at top of pump house To allow room for deck gun when lowered Requires drains with hoses routed below frame rails Floor to be plastic tile Lighting required to ULC standard
70-11-5500	1	Right side tread plate pump access door No opening dimension less than 18" Horizontally Hinged with gas struts and quarter turn D handle to match previous units, confirmed at precon
70-11-7600	1	Heat pan-aluminum for Waterous pump
70-11-8000	1	Heater in pump compartment Switched on pump panel - to be a toggle switch with rubber boot to match previous units, confirmed at precon
70-11-8200	1	Rubber seal around suction and discharge openings on side panels
70-20-1120	2	4-1/2" compound gauge - dual face 0-400 Thuemling brand
70-20-2130	11	2-1/2" pressure gauge - dual face 0-400 - Thuemling brand
70-20-2500	1	Trident Automatic Primer control
70-20-3100	1	Class One Governor Control Throttle can be no lower than 42" and no higher than 72" from operator's standing position.
70-20-3520	1	Electric water level gauge on pump panel, FRC WLA400-A00
70-20-36AA	1	Interface water level gauge with chassis FRC MaxVision indicators
70-20-6500	1	Test gauge panel Mount below the compound gauges for proper draining
70-20-7500	1	Heat exchanger control valve
70-20-7600	1	Pump cooler control valve
70-21-15AA	1	FRC Tank Vision foam level gauge and remote LS panel mounted foam level gauge with remote readout on RS next to foam fill pump connection
ACCESSORIES		

PART NO	QTY	DESCRIPTION
80-11-5000	2	6" x 10' lightweight suction hose (ea) Two (2) 10' (3 m) lengths of 6" (152 mm) Harrington flexible PVC suction hose complete with light weight type NST thread couplings (6NH). Long handled swivel female rocker lug male end. Mount in suction hose tube at rear of unit
80-12-25AA	1	6" barrel strainer - Kocheck One (1) 150 mm (6") Kocheck metal barrel suction strainer. Ship loose
80-13-0500	1	Rubber mallet Ship loose
80-13-1000	2	Hose wrenches (double) with holder Ship loose
80-13-1500	1	Bar with bracket Ship loose
80-13-2200	1	Pike pole, fibreglass handle - 8' long Tube mounted
80-13-4000	2	Axe, pick head, fibreglass handle and bracket Ship loose
80-14-0505	1	24' 2 section extension ladder - Duo Safety 900-A Tube mounted
80-14-5510	1	14' aluminum roof ladder - Duo Safety 775-A Tube mounted
80-16-05AA	1	Akron 3423 Portable/deck monitor with stacked tips 1521442 Direct mount and lift off monitor installed on riser 80-99-10AA. Portable base and stacked tips shipped loose. Order portable base 2-1/2" inlet swivels with Customer thread. Order monitor discharge, Stream straightener and stacked tips with Customer thread
80-17-7005	1	Dixon Northline piston intake relief valve 6" NHF x 4" Storz with cap Ship loose Part#FSGR460
80-18-0500	4	SCBA bracket with strap - compt mount Ship loose
80-18-0700	1	ZICO Quic Index SCBA carousel Ship loose
80-18-0840	2	Pistol grip nozzle holder - ZICO NBM-2 Ship loose
80-19-0500	2	Large folding wheel chock - aluminum (ea) not mounted Ship loose

PART NO	QTY	DESCRIPTION
80-20-3000	2	Portable hand light with charger Streamlight Survivor Ship loose Survivor-X lights (replaces the Survivor light) approved by customer
80-99-05AA	6	Install Zico Helmet Holders (provided with chassis) in Cab Determine location at pre paint inspection _____
80-99-10AA	1	Akron 3406 12vdc electric riser 12" of travel, 1521370, controlled from LS pump panel
80-99-15AA	1	Akron Turbomaster 1755 master stream fog nozzle. Ship loose 1501367 Customer thread
80-99-20AA	1	Streamlight LED orange box e-spot 45851 12vdc with vehicle charger Ship loose 1521412
80-99-25AA	1	Jotto Desk I pad mounting station Part# 450-4131 Ship loose 1521770
80-99-30AA	1	Jotto Desk straight rod Part# 425-3062 Ship loose 1521774
80-99-35AA	1	Joto Desk mounting plate Part# 425-5182 Ship loose 1521775
80-99-40AA	1	Harrington 6" barrel strainer Part# HTBS-60NH Ship loose 1500646
80-99-50AA	2	extra speed lay hose bed trays Ship loose
80-99-55AA	1	First Wash decontamination shower Purchase from 4firstwash.com 1 - side mount unit 1 - bracket 1 - quick coupler kit 1 - adapter for quick coupler to 1-1/2" NPSH Install centred above L3 compartment