



Shop Order

Carrier Truck Center Inc
O/A Carrier Centers
645 Athlone Place
Woodstock, ON N4S 7V8

The Corporation of Loyalist Township
263 Main Street
Odessa, ON K0H 2H0

Exp. Date: 09/20/2019
Quote No: Loyalist Twp, ON-0026
Job/Order No: 21145
BODY: 00-10-31 Metalfab Tanker - ULC 05/13

03/04/2021

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PART NO	S	DESCRIPTION	QTY	ID
		== Metalfab Tanker - ULC 05/13 - 0.000 ==	1	MTL
	S	CHANGE ORDER H	1	MTL
00-10-1000		Metalfab Tanker E	1	MTL
00-20-1000		Company Profile E	1	MTL
00-20-1501	S	Extended Body Warranty - 20 year structural and body panel perforation	1	MTL
		Warranty on body panel perforation due to corrosion for a term of Twenty (20) years after delivery		
		<<<<Note>>>> KROWN rust proofing has to be maintained for this warranty to remain in effect.		
00-20-1550		Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
00-20-1800		Polypropylene Tank Lifetime Warranty	1	MTL
00-20-2100	S	Plant Inspection Visits - 1 visit, 3 reps - costs covered by CCEV	1	MTL
		Final factory inspection will be done upon completion. Exact times to be coordinated with CCEV and Metalfab		
		As advised by Rod Harris by e-mail on 04.06.2020		
00-20-3000	S	No Bonding Requested	1	MTL
00-20-3500		Certification for Fusion Welding of Aluminum	1	MTL
00-20-4000	S	Quality System registered to ISO 9001:2015	1	MTL
00-20-4500		Fire Apparatus Manufacturers' Association Membership	1	MTL
		GENERAL INFORMATION	1	MTL
10-11-0000		Intent E	1	MTL
10-11-0110		Vehicle data recorder included with chassis	1	MTL
10-11-1101	S	ULC S515-13 and NFPA 1901-2016 Compliance E	1	MTL
10-11-1600	S	> ULC Testing - Tanker	1	MTL
		ENG. NOTE:		
		Note in the shop note if the Fire Department wishes to witness the test		
		Customer specified test will be done in Metric units		
		Customer specified that tank will be certified in Litres		
		Customer specified that tags/labels are to be in Metric units		
		As advised by Rod Harris by e-mail on 04.06.2020		
10-11-2100	S	Maximum length - 414"	1	MTL
10-11-2200	S	Maximum height - 122"	1	MTL
10-11-2400		Overall length is 30' or more	1	MTL
10-11-2500		General Construction	1	MTL
10-11-26AA	U	Weekly updates and progress photo's	1	
		Weekly updates and progress photo's sent each Friday once build process has started.		
		Updates will be sent to Rod Harris as requested by e-mail on 03.25.2020		
10-11-3000		Manuals - two copies	1	MTL
		One paper copy and one USB Flash drive of the following manuals will be supplied:		
		Operation manual		

PART NO	S	DESCRIPTION	QTY	ID
		Service and Maintenance manual		
		Supplier's pamphlets and manuals		
		Warranty documents		
		Wiring Diagrams		
		A weight certificate indicating the weights (in Kilograms) on the front axle, rear axle and total weight of the completed apparatus, with the water tank at its full capacity, but without personnel, equipment or hose.		
10-11-3600	S	> Delivery - FOB Fire Department - by CCEV	1	MTL
		ENG. NOTE:		
		Note in the shop note if more than 4 hours of training is required		
10-11-4000	S	Payment Terms - Chassis Net 10 days, Balance COD, less 10% HB for 30 days	1	MTL
10-20-1200		Hose bed capacity - standard ULC Tanker	1	MTL
10-20-2200		Equipment carrying capacity - standard ULC Tanker	1	MTL
		CHASSIS INFORMATION	1	MTL
20-11-1000	S	Chassis supplied by Metalfab	1	MTL
		62,000 lb GVWR 16,000 lb front axle 46,000 lb rear axle		
		224" Wheelbase 156.9" Cab to Axle 54" rear axle spacing		
		Cummins L9 400 hp @ 2100 rpm 2200 governed rpm		
		1250 lb-ft torque @ 1400 rpm		
		Allison 3000 EVS automatic transmission		
		Speed to be limited to 60 MPH to meet NFPA		
		9219 Winter white over 2303 Red (to match PPG FBCH 2185 white over PPG FBCG 71663 Red)		
		Paint spray outs required for Customer signoff (spray outs approved by Customer as per e-mail to Jacques October 30.2019)		
		The upper and lower paint shall meet at a break line to be approved during the pre-construction meeting and Metalfab was advised that they were approved by Rod Harris by e-mail on 02.05.2020		
		Jacobs C-Brake - Stop lights to turn on when engine brake is activated - included with chassis (Code 8VTV)		
		325 Amp alternator		
		VDR and seatbelt indicator included		
		Electronic Stability program included		
		Single trumpet air horn (black) under hood, controlled by lanyard and momentary switch on dash.		
		189 liter fuel tank, left side under cab		
		Chassis changes approved by Rod Harris by e-mail on 09.16.2019		
		Added Toggle style ignition and LED headlights		
		Deleted block heater, exterior sun shade, flashing headlights		
20-11-1500		2013 Emission chassis modifications	1	MTL
20-11-1700	S	Chassis Motor Vehicle Inspection required - by CCEV	1	MTL
20-21-0500		Fluid capacity plate	1	MTL
20-21-0600		Pumping test plate	1	MTL
20-21-1000		Maximum riders sign - 2 persons	1	MTL
20-21-1500		Seat belt warning labels - 2 door chassis	1	MTL
20-21-1520		Helmet warning label - do not wear helmet	1	MTL
20-21-1570	U	Tire Pressure Indicators - Tandem Axle	1	
20-21-1600		Apparatus Information Label	1	MTL
		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		Non removable key	1	MTL
20-21-2500		Shifter lock not required E	1	MTL
20-21-3500		Rear step warning label	1	MTL
20-21-3800		Front mudflaps	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
20-21-4001	S	Rear mudflaps - Black	1	MTL
20-21-4500		Transportation Safety Kit	1	MTL
		Basic First Aid Kit		
		Safety Triangle		
		5 pound Fire Extinguisher		
		***Boxed up and shipped loose.		
20-31-0200		Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-0500		Alum tread fuel tank trim, Conv - 2 door	1	MTL
		Vertical trim only, OEM cab steps remain.		
		Re-locate bottom cab step even with body rubrail		
20-31-1900	S	Chassis cab painted by chassis OEM	1	MTL
20-31-7500	S	Console in cab	1	MTL
		Install siren (50-11-15AA), traffic advisor control (50-11-6600) and a Jotto Desk radio plate for a customer supplied and installed radio.		
		Storage area with hinged cover and lift and turn latch provided at rear of console.		
		Gray zolatone finish		
		As requested by Rod Harris by e-mail on 07.10.2020		
		Radio will be an ICOM IC-F5023H that measures 150 mm wide x 40mm high x 167.5mm deep as advised by Rod Harris by e-mail on 07.14.2020		
20-41-0600	S	Intake air shutoff for engine not requested	1	MTL
20-41-1200		Transmission programming not required	1	MTL
20-41-1500		Extend exhaust pipe - RS front of rear wheels E	1	MTL
		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.		
20-41-1800		Battery boost terminals required	1	MTL
		These studs shall be located in the forward most portion of the driver's side lower step.		
20-41-2000		Chassis batteries remain in OEM location	1	MTL
20-41-2510		Fuel fill at step fuel tank under cab	1	MTL
20-41-2600		Chassis fuel tank remains in OEM location	1	MTL
20-41-5010		Rear Tow Hooks - through rear of body E	1	MTL
		Stainless steel slotted cover plates and rubber gaskets will be installed.		
20-51-0700		Master Battery Disconnect included with chassis	1	MTL
20-51-2700		Back up alarm - self adjusting E	1	MTL
20-51-3000	S	Air inlet with matching fitting - LS	1	MTL
		Located inside chassis door as per E-mail request from Rod Harris by e-mail on 09.11.2019		
20-51-3400		Protection valve installed for air operated accessories	1	MTL
20-51-6502	U	Kussmaul battery conditioner - 1200 with auto eject	1	
		P/N 1031727		
		Conditioner located in rear of cab between driver's and Officer's seat		
		Auto eject located in left side cab step area		
		SOPT #1100 - Truck specific		
20-51-7101	S	Electric System Management - by Diamond Logic	1	MTL
20-51-8510	S	Engine compartment light LED	1	MTL
		Switched when park brake is set.		
20-51-9000	S	Air horns on hood, OEM supplied switches	1	MTL
		***Controlled by OEM switches		
		(Air horns and controls are in addition to the single black trumpet air horn under hood, controlled by the lanyard and momentary push button on dash that is included with the chassis).		
20-52-3000	S	> Chassis steering wheel lined up	1	MTL
		ENG. NOTE:		
		Required for all chassis except Freightliner, Sterling, Spartan		

PART NO	S	DESCRIPTION	QTY	ID
		If the chassis steering wheel requires lineup, this will be done with water tank full and apparatus loaded to simulate ULC required equipment.		
20-52-4010	U	Federal Camset with 7" monitor There will be a Federal Camset b/u camera and 7" monitor supplied and installed. The monitor will be installed on the top of the dash rigidly mounted. SOPT 465	1	
20-60-0400		Chassis wheelbase does not change	1	MTL
20-90-18AA	U	Extend air tank drains/moisture ejector cables to rubrail and label/tag Metalfab will swap out current moisture drains, with valves with cables.	1	
20-99-10AA	U	Interior door open warning lights - Weldon light strips #8401-0000-20 The interior of each door shall include one (1) 15.87 inch long X 0.73 inch tall amber Weldon LED warning light. The light shall be located on the upper portion of the door frame (or where room permits - as high as possible) to be visible when a person is standing in front of the door while entering or exiting the cab. Both lights shall activate with a scrolling directional flash pattern which moves from inside to outside when either door is in the open position. This shall serve as a warning to oncoming traffic. SOPT in file	1	
		PUMP AND PLUMBING	1	MTL
30-11-0500	S	Darley 2BE 24K Diesel engine driven pump - compartment mounted STB028 - 2BE 24K Gear driven engine mounted pump with "Digitrol" controls. Installed in the pump house. The pump shall be plumbed to incorporate a discharge manifold system with a minimum of two (2) 2 1/2" ports (30-41-2040 and 30-41-2540), and one (1) 1 1/2" port (30-44-0520) Includes; Engine: Kubota D902, diesel engine, 24 HP, 3 cylinder, 4 cycle, liquid cooled, 12 volt starter, 40 amp alternator, fuel and oil pump and filters. Hard anodized alum alloy casing & discharge valve Sulfuric anodized aluminum alloy gear case and plated engine adapter Bronze impeller and wear rings Stainless steel impeller shaft Mechanical seal Heat treated alloy steel helical gears Ball bearing construction Built-in discharge check valve Engine control panel shipped loose Adjustable discharge valve Adjustable throttle 3" NPTF suction 1 - 2-1/2" NPTF and 2 - 1-1/2" NPTF discharge Include when ordering AP01700 - 12 Volt primer assembly with push button switch 2605078 - Battery 4227300 - Air filter restriction indicator/gauge 4221952 - Single "digitrol" control with pressure governor with loss of water protection KE00702 - Diesel fuel tank, hose and adapter - 6 gallon, steel KE00512 - Spark arrester See SOPT in file for ordering information on pump and options. ***Engineering to approve before ordering***	1	MTL
30-15-0304		Plumbing - non manifold pump SM SS E	1	MTL
30-20-0500		Valves and controls - side mount panel	1	MTL
30-20-1002		Akron valves specified	1	MTL
30-20-1610		Piping stainless steel - non manifold Tanker	1	MTL
30-20-1700	S	1-1/2" thread specifications - NPSH	1	MTL
30-20-1800	S	2-1/2" thread specifications - CSA	1	MTL
30-20-2000		Piping hydrostatic test	1	MTL
30-20-2510		Anodes in suction and discharge piping - non manifold pump Install one anode on discharge side of pump, one anode on suction side of pump - do not use teflon tape or thread sealant.	1	MTL

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		Paint flange silver and mask brass anode before painting for visibility.		
30-21-5520		Tank to Pump SS 3" w/ check valve non manifold pump 4" piping	1	MTL
30-22-1520		Tank Fill valve 2-1/2" SS	1	MTL
30-31-2520	S	Suction - 4" storz connection left side 3" piping equipped with straight 4" Storz adapter and blind plug (no droop)	1	MTL
30-32-7550		Suction - 2-1/2" left side SS, bleeder, non manifold pump	1	MTL
30-41-2040		2-1/2" RS discharge SS, bleeder, non manifold pump	1	MTL
30-41-2540		2-1/2" LS discharge SS, bleeder, non manifold pump	1	MTL
30-44-0520		1-1/2" crosslay (each) SS, 2" valve, bleeder Equipped with stainless steel rollers on each end. Bleeder valve provided on pump panel. Capacity for 200' x 1-3/4" hose with nozzle attached.	1	MTL
30-51-6630	S	Throttle/Governor control with Darley pump Located in engine control panel, LS operators panel.	1	MTL
30-51-7002		Suction side relief V/V, non manifold pump	1	MTL
30-51-7700	S	Primer as supplied by Darley - 12 VDC electric Located in engine control panel, LS operators panel.	1	MTL
30-51-8200	S	Heat Exchanger not required	1	MTL
30-52-1000		Master drain V/V, 12 port	1	MTL
30-52-3001		Foam system not requested E	1	MTL
		WATER AND FOAM TANKS	1	MTL
40-11-2100		Polypropylene water tank (Imperial gallons)	1	MTL
40-11-2200		Water tank capacity certification (tank manufacturer)	1	MTL
40-11-7500	S	Tank capacity 2500 Imperial Gallons / 11,365 Litres The tank capacity will be listed in Litres as advised by Rod Harris by e-mail on 04.06.2020	1	MTL
40-21-1000		4" tank to pump connection	1	MTL
40-22-1000	S	2-1/2" tank fill connection	1	MTL
40-23-0500		1" water level gauge connection	1	MTL
40-23-1050	S	4" Fireman's Friend connection The tank will be ordered with a Fireman Friend connection.	1	MTL
40-23-1060		10" Newton dump connection	1	MTL
40-30-0400		3" plug in sump box	1	MTL
40-30-1100		Water Fill Box middle left side	1	MTL
40-31-3500		10" rear Newton dump, stainless steel	1	MTL
40-31-5500	S	Electric operator for Newton dump, top mount There will be one (1) actuator and a switch on each side at rear of body (two total). As requested by e-mail by Rod Harris on 09.11.2019	2	MTL
40-31-5610	U	Stainless steel dump chute - rotating with lock	1	
40-31-59AA	U	Dump valve shroud There will be an aluminum shroud around the dump valve opening as requested by Rod Harris by e-mail on 09.11.2019	1	
40-31-9000	S	4" Storz rear fill, Fireman's Friend Bleeder required Located on right hand side of the body, as low as possible - extend piping out so when a supply hose is attached, it will clear the dump chute. Install the 80-99-15AA adapter and plug on rear fill. As requested by e-mail by Rod Harris on 09.11.2019.	1	MTL
		ELECTRICAL	1	MTL
50-11-0450	S	Base electrical system - International Diamond Logic multiplex The electrical system will be the standard International Diamond Logic as advised by Rod Harris by e-mail on 04.06.2020	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-11-0600		Warning Light Certification	1	MTL
50-11-0700		Low Voltage Electrical system test	1	MTL
50-11-0800		Low Voltage Electrical System Documents As required by ULC and NFPA standards	1	MTL
50-11-0900		Rocker switch panel with master warning switch Rocker switches as supplied by International are located in dash area (Diamond Logic) ***Rocker switch assignments: MASTER -LIGHT BAR RED -LIGHT BAR CLEAR -FLASHING WARNING -RIGHT SCENE -LEFT SCENE -REAR SCENE -SIREN BRAKE (Momentary switch)	1	MTL
50-11-15AA	U	Whelen 295SLSA1 siren w/ detachable mic There will be a Whelen 295SLSA1 siren with detachable mic supplied and installed as requested by Rod Harris by e-mail on 09.11.2019	1	
50-11-16AA	U	Siren speaker, 100 watt, in front bumper SP123BMC The speaker shall be mounted in the center of the bumper.	1	
50-11-2010		Federal Q2B mechanical siren - through front bumper ***Controlled by foot switch at both driver and officer positions. Emergency disconnect switch located adjacent to the master disconnect switch in cab - properly labeled.	1	MTL
50-11-2600		Siren to be accessible to driver and officer	1	MTL
50-11-3500	S	Horn ring transfer switch A rocker switch shall be installed in the switch panel between the driver and officer to have the option to control the siren/electric horn or the chassis electric horn from the horn button by means of a selector switch.	1	MTL
50-11-5900	U	Federal LPX53DS-NFPA light bar The light bar will change to a Federal LPX53DS-NFPA model as requested by Rod Harris by e-mail on 09.11.2019	1	
50-11-6600		Rear LED Traffic Advisor warning lights - surface mount TAL85 Controller in cab dash where space permits	1	MTL
50-12-85BB	U	Front flashers in grill (pr) - Tecniq K60 There will be a pair of Tecniq LED flashers supplied and installed in the front grill. The right side will be blue and the left side will be red as requested by Rod Harris by e-mail on 09.11.2019	1	
50-12-85CC	U	Front side flashers (pr) - Tecniq K60 There will be a pair of Tecniq LED flashers supplied and installed on the side of the hood. Both flashers will be red as requested by Rod Harris by e-mail on 09.11.2019	1	
50-12-86BB	U	Rear flashers (pr) - Tecniq K60 There will be a pair of Tecniq LED flashers supplied and installed on the lower portion of the body at the rear. They will be part of the K60 Quad Bezel tail light assembly (50-22-075B). The left flasher will be red and the right flasher will be blue as requested by Rod Harris by e-mail on 09.11.2019	1	
50-12-86CC	U	Rear upper flashers (pr) - Tecniq K90 There will be a pair of Tecniq LED flashers supplied and installed on the upper portion of the body at the rear. The left flasher will be red and the right flasher will be blue as requested by Rod Harris by e-mail on 09.11.2019	1	

PART NO	S	DESCRIPTION	QTY	ID
50-12-88BB	U	Body side flashers (pr) - Tecniq K60 There will be a pair of Tecniq LED flashers supplied and installed on each side rear fender well. The forward flasher will be blue and the rearward flasher will be red as requested by Rod Harris by e-mail on 09.11.2019	2	
50-12-88CC	U	Upper body side flashers (pr) - Tecniq K90 There will be a pair of Tecniq LED flashers supplied and installed on each upper side corners of the body. The forward flasher will be red and the rearward flasher will be blue as requested by Rod Harris by e-mail on 09.11.2019	2	
50-21-5100		> Compartment lighting - LED tube lights in each compartment (rollup doors) ENG. NOTE: Rollup doors only	1	MTL
50-21-5500		Door Ajar warning light Light in dash (by International Diamond Logic) Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL
50-21-5560	U	Equipment rack not stowed warning light Light in dash (by International Diamond Logic) Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	
50-21-8001		Step lights for body steps - 4" LED Switched when park brake is set.	1	MTL
50-21-8200	S	Step lights for chassis steps - LED Switched when park brake is set.	1	MTL
50-21-8600		LED clearance lts and reflectors	1	MTL
50-21-8605	U	Polished aluminum license plate bracket with LED light on rear	1	
50-21-8800		LED intermediate turn signal/clearance/reflector length >30'	1	MTL
50-22-075B	U	Tecniq K60 Quad Bezel tail light assembly There will be a Tecniq K60 quad bezel tail light assembly supplied and installed as requested by Rod Harris by e-mail on 0.11.2019. See 50-12-86BB for the flasher color and location	1	
50-31-6010		Scene light boxes (pr) - tread plate E	2	MTL
50-31-6040	U	SPA900-Q65 surface mount scene lights (pr) - Right side Top and rear corners of body side under flashing warning Switched in cab These lights can be managed to shed	1	
50-31-6041	U	SPA900-Q65 surface mount scene lights (pr) - Left side Top and rear corners of body side under flashing warning Switched in cab These lights can be managed to shed	1	
50-31-6042	U	SPA900-Q65 surface mount scene lights (pr) - Rear facing Top corners back of body under flashing warning Switched in cab These lights cannot be managed to shed	1	
50-31-6600		Ground lighting (4" LED) - 2 door chassis Switched when park brake is set.	1	MTL
50-31-6620		Ground lighting (4" LED) - side mount body Switched when park brake is set.	1	MTL
50-35-0559	S	Mobile radio antenna provided by customer Metalfab will install an antenna base supplied by Carrier as requested by Rod Harris by e-mail on 09.11.2019 Antenna base arrived at Metalfab 07.20.2020	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
BODY			1	MTL
60-10-15AA	U	Sweep out type compartment floors - 1" drop on lower edge of compartment floor SOPT #1236	1	
60-10-1600	S	Tandem axle extruded aluminum body Compartment underside shall be reinforced with two (2) lengths of aluminum angle extrusion (L2x2x1/4") the entire length of the compartments equally spaced.	1	MTL
60-10-4100		No "beavertail" rear step supports	1	MTL
60-10-4600		Painted fender surround E	1	MTL
60-10-4760		Removable polished aluminum fender trim - tandem axle The inside edge of the wheel liner must be fully enclosed to stop salt and sand from collecting on top of liner. Polished cast aluminum fender trim is installed around each rear wheel and is bolted in place. (four (4) x standard 3 piece set)	1	MTL
60-10-5400		> Diamondback pumphouse steps ENG. NOTE: Maximum height of step is 24" from ground	1	MTL
60-10-5430		> Diamondback 19" rear step ENG. NOTE: Maximum height of rear step is 24" from ground	1	MTL
60-10-6500		Bolt on extruded aluminum rub rail E A minimum 1" blue reflective stripe shall be applied within the body rub rail.	1	MTL
60-11-0300		> Front left side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0700		> Front right side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0800		> Rear left side compartment to top of wheel well ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-1100		> Rear right side compartment to top of wheel well ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-3100		No rear compartment E	1	MTL
60-11-5500		Rollup door - standard height Amdor brand. Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	2	MTL
60-11-5520		Rollup door - full height Amdor brand. Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	2	MTL
60-11-5530		Rollup door - to enclose pump panel Amdor brand. Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	1	MTL
60-11-5655	U	Amdor pull strap - Flex HD - ordered with door - for L1 and L2 full height doors	2	

PART NO	S	DESCRIPTION	QTY	ID
60-31-4100		Extruded aluminum handrails Minimum 2" clearance from handrail to any surface	1	MTL
60-31-5000	U	Price Adjustment	1	
60-31-5500	S	Steps at rear of body (folding) with LED lights - Right side only Maximum height between steps is 18"	1	MTL
60-31-65AA	U	Compartment matting - turtle tile - one piece 3/4" thick Turtle Tile brand one-piece plastic flooring shall be installed in the bottom of all compartments, shelves and trays. Black in color.	1	
60-31-7900	U	Unistrut in upper portion of R1 compartment There will be four (4) unistruts in the upper portion of the R1 compartment to allow the future installation of adjustable shelving. As requested by Rod Harris by e-mail on 05.27.2020	1	
60-31-8700	S	> Sliding tray (ea) - 400 pound capacity with open/close latch ENG. NOTE: Specify location Reflective stripe is applied on the exposed edge for visibility when the compartment door is open There will be a sliding tray in the L2 compartment that will hold rolled hose with adjustable dividers (60-99-10AA). As requested by Rod Harris by e-mail on 05.25.2020.	1	MTL
60-31-8800	S	> Sliding tray (ea) - 600 pound capacity ENG. NOTE: Specify location ***Hardware requires 3-1/2" of compartment height White reflective stripe is applied on the exposed edge for visibility when the compartment door is open The tray will be the standard Metalfab tray as approved by Rod Harris by e-mail on 04.06.2020. The tray will be mounted in the L1 compartment and will house a customer supplied and installed CET Portable pump model PFP20HPHKL-2D that measures 21-1/4" long x 26-1/2" wide x 24" high as advised by Rod Harris by e-mail on 05.25.2020	1	MTL
60-31-9600	S	> Adjustable shelf (ea) ENG. NOTE: Specify location White reflective stripe is applied on the exposed edge for visibility when the compartment door is open. Shelf #1 - Left side front compartment - shallow depth in upper portion of compartment Shelf #2 - Right side rear compartment - full depth as advised by Rod Harris by e-mail on 05.25.2020	2	MTL
60-32-3500		One adjustable hose divider Hand hold required in end	1	MTL
60-32-7500		Hose bed - aluminum	1	MTL
60-33-0000		Paint exterior - Imron Elite *** Paint code and colour red to match red on cab	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600		Chassis wheels not painted	1	MTL
60-33-1000		Paint pump and plumbing job colour	1	MTL
60-33-16AA	U	Special paint compartment interior - zolatone The compartment interiors are finished with textured paint for chip resistance. ***Colour to be standard Metalfab grey as approved by Rod Harris by e-mail on 04.06.2020	1	

PART NO	S	DESCRIPTION	QTY	ID
		Shelves, trays and hardware are left natural aluminum.		
60-33-2000	S	Lettering - no lettering provided There will be no lettering supplied or installed as requested by Rod Harris by e-mail on 11.20.2020	1	MTL
60-33-2300	U	Price Adjustment	1	
60-33-3200	S	Reflective stripe - 6" -1" white below 50% of perimeter each side and 25% of perimeter front There will be a 6" reflective stripe and a 1" reflective stripe below as requested by Rod Harris by e-mail on 09.11.2019. A minimum 1" blue reflective stripe shall be applied within the body rub rail. A 1/2" wide gold reflective tape with black borders shall be applied on the break line between the two different colored surfaces on the chassis cab.	1	MTL
60-33-3320	U	Reflective stripe - red and yellow chevron at rear - Diamond Grade Minimum 50% of rear vertical surface	1	
60-33-3500	S	Tarp over hose bed - black A hosebed cover will be provided and secured fix to top front body flanges and Velcro on each side edge of the cover. There will be J-hooks and shock cord at the back of the hose bed to secure the hoses . The tarp will cover the entire hose bed and Color to be black. As advised by Rod Harris by e-mail on 12.08.2020	1	MTL
60-33-3600	S	White reflective stripe - inside entry doors 96 square inches minimum inside each cab and crew cab entry door	1	MTL
60-33-4600		Aluminum cover over crosslays - with end tarps (black)	1	MTL
60-40-5500	S	Suction hose tube (each) 3 x 4", 1 for two 2-1/2" Tubes with one common door with rear access on rear (right side over compartments) Door is vertically hinged with a "D" handle and requires switch for door ajar Storage tubes will house the three 4" x 10' Storz suction hoses 80-11-2000 and two 2-1/2" suction hoses (Customer's) Customer to specify 2-1/2" suction hose dimensions; Overall length - end of coupling to end of coupling - 122.5" Overall dimension of coupling at its widest part (i.e. distance end to end of long handles or rocker lugs) - 4.25" As advised by Rod Harris by e-mail on 04.06.2020	4	MTL
60-41-1015	S	Pike Pole tube integral with suction hose tube-in bottom tube for 8' pike pole For Customer's 8' pike pole Customer to specify make and model of pike pole OA length - 8' Type of handle is round Type of end is standard pike/hook As advised by Rod Harris by e-mail on 04.06.2020	1	MTL
60-41-6001		> Zico hydraulic portable tank rack ENG. NOTE: Specify mounting location desired. If Portable tank is customer supplied, specify overall dimensions when the tank is in stored position Left side - leave minimum 9" gap at front for removal of pin for manual deployment if electric fails. 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.	1	MTL
60-41-6010		ZICO PTS switched at rear above tail light Switch is located on same side as electric rack - left side	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-41-6100		Tread plate on exterior of Zico PTS	1	MTL
60-41-7100		Tread plate on body behind porta tank rack	1	MTL
60-99-10AA	U	Rolled hose dividers	1	
		There will be adjustable/removable dividers installed on the pull out tray (60-31-8700) in the L2 compartment that will hold the following hoses:		
		1 x 50' x 4" hose roll		
		1 x 25' x 4" hose roll		
		4 x 50' x 2.5" hose rolls		
		As requested by Rod Harris by e-mail on 05.25.2020.		
INSTRUMENTATION			1	MTL
70-11-0000		Warning Label on Pump Operator's Panel	1	MTL
70-11-0500		Side mount instrument panel	1	MTL
		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		
70-11-1500		Stainless steel instrument panels	1	MTL
		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		
70-11-3200	S	Colour coded tags	1	MTL
		All tags are to be in Metric as advised by Rod Harris by e-mail on 04.06.2020		
70-11-4002	U	Stainless steel side panel hood right side	1	
70-11-5000		Standard cover over rear top of pump house - no storage	1	MTL
70-11-5500	S	Right side stainless steel pump access door with vents	1	MTL
		No opening dimension less than 18"		
		The right side panel access door will be stainless steel with vents as approved by the fire department on 10.27.2020. Approval sent by Rod Harris by e-mail on 10.27.2020		
70-11-7500		Heat pan-aluminum	1	MTL
70-11-8000		Heater in pump compartment	1	MTL
		Switch located on left side pump operators panel		
70-20-1120	U	4-1/2" compound gauge - dual face 0-400	2	
		To be within 8" of each other - edge to edge		
		***Supplied by Metalfab - not included with Darley engine control panel.		
70-20-2130	U	2-1/2" pressure gauge - dual face 0-400	3	
		Gauge to be no more than 6" from edge of the gauge to the center of the control.		
		***Supplied by Metalfab - not included with Darley engine control panel.		
70-20-2500	S	Primer control	1	MTL
		Supplied by Darley		
70-20-3100	S	Class One Governor Control	1	MTL
		Supplied by Darley		
		Throttle can be no lower than 42" and no higher than 72" from operator's standing position.		
70-20-3510		Electric water level gauge on pump panel and at rear, Class One	1	MTL
70-20-6500		Test gauge panel	1	MTL
		Mount below the compound gauges for proper draining		
70-21-5500		Panel readout for Battery Conditioner	1	MTL
		Located in left side cab step area		
ACCESSORIES			1	MTL
80-11-2005	U	4" x 10' lightweight suction hose (ea) - Storz couplings	3	
		Folding handles both ends.		
		Tube mounted		

PART NO	S	DESCRIPTION	QTY	ID
80-15-10AA	U	Fol-da-tank - Model FDTA-2100 collapsible tank Stored in the PTS left side Color of the porta tank is to be RED as requested by Rod Harris by e-mail on 04.06.2020	1	
80-19-0500	S	Large folding wheel chock - aluminum (ea) Mounted in 80-19-0600 mounting brackets under L1 compartment ahead of rear wheels	2	MTL
80-19-0600	>	Horizontal bracket for folding wheel chock (ea) ENG. NOTE: Specify location, otherwise ship loose Located under L1 compartment ahead of left side rear wheels	2	MTL
80-99-16AA	U	Adapter for rear direct fill - 4" Storz to 2-1/2" CSA swivel a Adapter S54R425 (p/n 1501814) with 2-1/2" CSA CP plug (p/n 1500290). Install on the 40-31-9000 rear fill. SOPT in file	1	