



Shop Order-00-10-15: Unclassified

Island-Barrington Passage Fire Department
Eugene Stoddard
48 Penny Road
Southside Shelburn County
ibpfdpresident@eastlink.ca

Exp. Date: 03/16/2014
Quote No: JISNS-0008
Job/Order No: 17852

BODY: 00-10-15 Metalfab Pumper - ULC 05/13

02/14/2017

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PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			== Metalfab Pumper - ULC 05/13 - 0.000 ==	1	MTL
S			CHANGE ORDER C	1	MTL
00-10-1500			Metalfab Pumper E	1	MTL
00-20-1000			Company Profile E	1	MTL
00-20-1500			Standard Body Warranty	1	MTL
00-20-1550			Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
00-20-1700			Hale Pump Warranty - 5 years	1	MTL
00-20-1800			Ultra Tank Lifetime Warranty	1	MTL
00-20-2000			Plant Visits - unlimited at customer expense	1	MTL
00-20-3000			No Bonding Required	1	MTL
00-20-3500			Certification for Fusion Welding of Aluminum	1	MTL
00-20-4000			Quality System registered to ISO 9001:2008	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			ULC S515-04 and NFPA 1901-2009 Compliance	1	MTL
			E		
10-11-1500	>		ULC Testing - Pumper	1	MTL
10-11-2100			Maximum length not specified E	1	MTL
10-11-2200			Maximum height not specified E	1	MTL
10-11-2400			Overall length is 30' or more	1	MTL
10-11-2500			General Construction	1	MTL
10-11-3000			Manuals - two copies	1	MTL
10-11-3600	S	>	Delivery - FOB Fire Department	1	MTL
10-11-4200	S		Payment Terms - Chassis and Body COD	1	MTL
10-20-1400	S	>	Hose capacity exceeding ULC/NFPA requirements	1	MTL
10-20-2000			Equipment carrying capacity - standard ULC Pumper	1	MTL
10-99-0100	U		Calculate Vertical Centre of Gravity	1	
			CHASSIS INFORMATION	1	MTL
20-11-1000	S		Chassis supplied by Metalfab	1	MTL
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1600			Chassis Motor Vehicle Inspection not required	1	MTL
20-21-0500			Fluid capacity plate	1	MTL
20-21-0600			Pumping test plate	1	MTL
20-21-1030			Maximum riders sign - 5 persons	1	MTL
20-21-1510			Seat belt warning labels - 4 door chassis	1	MTL
20-21-1520			Helmet warning label - do not wear helmet	1	MTL
20-21-1540			Tire Pressure Indicators - Tandem Axle	1	MTL
20-21-1600			Apparatus Information Label	1	MTL
20-21-2000			Non removable key	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
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
20-21-4000			Rear mudflaps - Metalfab Logo	1	MTL
20-31-0200			Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-1100	<		Alum tread fuel tank covers, diamond grip steps, Conv - 4 dr Steps to be full length and as wide as possible to avoid slipping off	1	MTL
20-31-1500	< >		Special compartments in chassis steps E Left side to store wheel chocks as shown on drawing. Final arrangement will be determined when chassis arrives.	1	MTL
20-31-1900			Chassis cab not painted E	1	MTL
20-31-7500	S		Console in cab	1	MTL
20-41-0600			Intake air shutoff for engine not required	1	MTL
20-41-0900			Auxiliary braking system disabled when pumping	1	MTL
20-41-1100			Transmission programming - Allison WT	1	MTL
20-41-1500			Extend exhaust pipe - RS front of rear wheels E	1	MTL
20-41-1800	S <		Battery boost terminals required On left side chassis step between front and rear side entry doors	1	MTL
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
20-41-5000			Rear Tow Hooks - under body	1	MTL
20-41-5500			ON SPOT Automatic traction chains	1	MTL
20-51-0700			Master Battery Disconnect included with chassis	1	MTL
20-51-2500			Back up alarm included with chassis	1	MTL
20-51-3400			Protection valve installed for air operated accessories	1	MTL
20-51-4000	S <		Auto eject for air inlet - LS Left side pump panel (adjacent to the 120-Volt auto eject) ***Need to be covered to protect from road grime*** Kussmaul Part #091-28AK (weather proof adapter kit) and Kussmaul Part #091-3BL Cover (Blue in color to differentiate from 120-Volt auto eject)	1	MTL
20-51-6200	S >		120 volt 20 A shore line connection in chassis cab	2	MTL
20-51-6500			Kussmaul Autocharge 1000 battery conditioner w/battery saver	1	MTL
20-51-7101			Electric System Management not required E	1	MTL
20-51-7500			Super Auto eject for 120 v - 20 A with sealed enclosure	1	MTL
20-51-8500			Engine compartment lights (pair)	1	MTL
20-51-9000	S		Air horns on hood, foot switch controlled	1	MTL
20-52-3000		>	Chassis steering wheel lined up by others	1	MTL
20-52-4000	S		Rear View Camera system	1	MTL
20-60-0400			Chassis wheelbase does not change	1	MTL
			PUMP AND PLUMBING	1	MTL
30-11-8100			Hale QMAX 1250 IGPM single stage pump	1	MTL
30-12-3500			Mechanical seal for Hale QMID/QMAX/QTWO pumps	1	MTL
30-15-0103			Plumbing - Hale manifold pump SM	1	MTL
30-20-0500			Valves and controls - side mount panel	1	MTL
30-20-1001			Valve brand not specified E	1	MTL
30-20-1500			Piping galvanized steel - general	1	MTL
30-20-1700	S		1-1/2" thread specifications - NPSH	1	MTL
30-20-1800	S		2-1/2" thread specifications - NSZ1	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2505			Anodes in suction and discharge piping not requested	1	MTL
30-21-5500			Tank to Pump 3" w/ check valve manifold pump	1	MTL
30-22-0500			Tank Fill valve 2"	1	MTL
30-31-4010			Suction - 6" not gated each side manifold pump	1	MTL
30-31-6025	S	>	Suction - 6" Stainless piping to rear - ELECTRIC control - 6" connection	1	MTL
30-31-7200	S	>	Hale master intake suction valve - electric control	3	MTL
30-32-7500			Suction - 2-1/2" left side, bleeder, Hale manifold pump	1	MTL
30-40-3000			4" right discharge, plumbed 4", handwheel, Hale manifold pump	1	MTL
30-41-2000			2-1/2" RS discharge, bleeder, Hale manifold pump	1	MTL
30-41-2500			2-1/2" LS discharge, bleeder, Hale manifold pump	2	MTL
30-43-1500			2-1/2" rear discharge, plumbed 2-1/2", bleeder	2	MTL
30-44-0500			1-1/2" crosslay (each), 2" valve, bleeder	2	MTL
30-44-3500			2-1/2" crosslay, plumbed 2-1/2", bleeder	1	MTL
30-44-6500			Piping for monitor, plumbed 3", bleeder	1	MTL
30-51-0500			Pump shift-Midship air	1	MTL
30-51-0700			Pump Gearbox mounted manual over ride for pump shift E	1	MTL
30-51-1500			Power shift PTO - Automatic transmission	1	MTL
30-51-1501			PTO driveshaft E	1	MTL
30-51-6810	S		FRC InControl Governor/Throttle engine display with buttons	1	MTL
30-51-7000			Suction side relief V/V, manifold pump	3	MTL
30-51-7700			Primer Hale oil less ESP with oil tank Hale	1	MTL
30-51-7800	S		Pre Primer for gated suction Hale primer	3	MTL
30-51-8100			Heat exchanger included with chassis	1	MTL
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-2000			Drain valve for foam system header	1	MTL
30-52-4210	S		Foam System - Hypro FoamPro 2002 Single Tank	1	MTL
30-52-8100			Electric foam fill pump with panel pickup	1	MTL
30-52-9100			Foam concentrate label at foam tank fill	1	MTL
30-52-9200			Foam System Instruction Plates	1	MTL
30-52-9400			NFPA Foam System certification test	1	MTL
30-60-0510			Pneumax Silver 200-SP Compressed Air Foam System	1	MTL
30-60-1000			2" CAFS discharge kit for Akron valve	2	MTL
30-60-1500			2-1/2" CAFS discharge kit for Akron valve	2	MTL
30-60-1500	S		2-1/2" CAFS discharge kit for Akron valve	1	MTL
30-60-2000			3" CAFS discharge kit for Akron valve	1	MTL
			WATER AND FOAM TANKS	1	MTL
40-11-2100			Ultra-Tank water tank (Imperial gallons)	1	MTL
40-11-2200			Water tank capacity certification (tank manufacturer)	1	MTL
40-11-6500			Tank capacity 1500 Imperial Gallons	1	MTL
40-12-5101	S	<	Foam cell - 40 imperial Gallons	1	MTL
			40 Imperial Gallons		
40-21-0500			3" tank to pump connection	1	MTL
40-22-0500			2" tank fill connection	1	MTL
40-23-0500			1" water level gauge connection	1	MTL
40-23-1000			1" foam level gauge connection	1	MTL
40-23-1040			4" direct fill connection	1	MTL
40-23-1060			10" Newton dump connection	1	MTL
40-30-0500			Sump drain valve (3" gate valve) with linkage E	1	MTL
40-30-1100			Water Fill Box middle left side	1	MTL
40-31-4500			10" rear Newton dump, painted steel	1	MTL
40-31-5000			Newton dump - 36" telechute painted steel	1	MTL
40-31-5500			Electric operator for Newton dump	1	MTL
40-31-5600		>	Rotating dump chute for Newton dump painted steel	1	MTL
40-31-5800			Support for rotating dump chute if necessary	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
40-31-8000	<		4" Storz rear gtd fill As low as possible - right of rear dump line	1	MTL
			ELECTRICAL	1	MTL
50-11-0450			Base electrical system - International Diamond Logic multiplex	1	MTL
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	1	MTL
50-11-0900			Rocker switch panel with master warning switch	1	MTL
50-11-1400			Federal PA300 100 watt siren	1	MTL
50-11-1625			Siren speaker, 100 watt, behind chassis grille	1	MTL
50-11-2600			Siren to be accessible to driver and officer	1	MTL
50-11-5810	>		Federal JetSOLARIS 5401 LED light bar all red	1	MTL
50-11-6610			Rear LED Traffic Advisor warning lights - flush mount	1	MTL
50-11-9010			Rear beacons-Federal Micro Escape LED (pr) - both red	1	MTL
50-12-5020			Front LED flashers (pr)-red Federal QL64XF-R	1	MTL
50-12-5110			Rear LED flashers (pr)-red Federal QL64XF-R	1	MTL
50-12-5210			Front side inter lts (pr)-red LED Federal QL64XF-R	1	MTL
50-12-5310			Body side inter lts (pr)-red LED Federal QL64XF-R	1	MTL
50-12-5410	>		Additional body side inter lts (pr)-red LED Federal QL64XF-R	1	MTL
50-21-15AA	U		LED rear floods (pr) - WhelenPFBP12C	1	
50-21-1600	<		Parking (ditch) lights in rear fenders Switch in cab and also interlocked with reverse gear of transmission	1	MTL
50-21-2540			FRC telescoping SPECTRA LED 12V flood (ea)	2	MTL
50-21-5100	>		Compartment lighting - LED tube lights in each compartment (rollup doors)	1	MTL
50-21-5500			Door Ajar warning light	1	MTL
50-21-5550			Equipment rack not stowed warning light	1	MTL
50-21-55AA	U		Hose bed cover not closed warning light	1	
50-21-8001			Step lights for body steps - 4" LED	1	MTL
50-21-8201			Step lights for chassis steps - LED marker type	1	MTL
50-21-8600			LED clearance lts and reflectors	1	MTL
50-21-8800			LED intermediate turn signal/clearance/reflector length >30'	1	MTL
50-22-0700			Whelan 64 LED tail/brake-turn-backup module (pr)	1	MTL
50-31-6006	>		Scene lights (pr) - Federal QL97 LED	3	MTL
50-31-6010	S <		Scene light boxes (pr) -painted plate ***To be painted aluminum*** Five (5) boxes total.	3	MTL
50-31-6560			Ground lighting (LED Lumabar) - 4 door chassis	1	MTL
50-31-6570			Ground lighting (LED Lumabar) - side mount body	1	MTL
50-35-0500			Installation of customer supplied mobile radio	1	MTL
50-35-0500	S		Installation of customer supplied TMR mobile radio	1	MTL
50-35-0559			Mobile radio antenna provided by customer E	1	MTL
50-35-0559	S		Mobile radio antenna provided by customer E	1	MTL
50-99-70AA	U		Luma bar lighting in hose bed BODY	1	MTL
60-10-1600			Tandem axle extruded aluminum body	1	MTL
60-10-4100			No "beavertail" rear step supports	1	MTL
60-10-4600			Painted fender surround E	1	MTL
60-10-4700			Integral aluminum fender trim	1	MTL
60-10-5400	>		Diamondback pumphouse steps	1	MTL
60-10-5430	>		Diamondback 19" rear step	1	MTL
60-10-6000			Extruded rub rail	1	MTL
60-11-0300	>		Front left side compartments full height E	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-11-0600		>	Front right side compartments intermediate height	1	MTL
60-11-1000		>	Rear left side compartments full height	1	MTL
			E		
60-11-1300		>	Rear right side compartments intermediate height	1	MTL
60-11-1900		>	Low side compartment (up to 18") each	2	MTL
60-11-2000		>	High side compartment (over 18") each	2	MTL
60-11-3100			No rear compartment E	1	MTL
60-11-4500			Flush mount aluminum door - single with "D" handle	2	MTL
60-11-5500			Rollup door - standard height	2	MTL
60-11-5510			Rollup door - intermediate height	2	MTL
60-11-5520			Rollup door - full height	2	MTL
60-31-4100			Extruded aluminum handrails	1	MTL
60-31-5500			Steps at rear of body (folding)	1	MTL
60-31-5600			Steps and grab handles at front of body next to pump panel	1	MTL
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8000			BA bottle compt (ea)-fender well	4	MTL
60-31-8700		< >	Sliding tray (ea) - 400 pound capacity with gas strut	2	MTL
			Rear left side compartment		
			Rear right side compartment		
			Reflective stripe is applied on the exposed edge for visibility when the compartment door is open		
60-31-9000		< >	Tip down tray - 30 degree, 250 pound capacity	2	MTL
			Front left side compartment		
			Rear left side compartment		
60-31-9600		>	Adjustable shelf (ea)	6	MTL
60-32-3550			Two adjustable hose divider (each)	1	MTL
60-32-7500		<	Hose bed - aluminum	1	MTL
			Department would like to carry 2000' of 4" high volume hose		
			Approx weight of 1800 pounds.		
			Customer to specify if any 2-1/2" or 1-1/2" hose is to be carried in main hose bed over tank		
			2-1/2" _____		
			1-1/2" _____		
60-33-0000			Paint exterior - Imron Elite	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
60-33-1500			Buffed finish compartment interior	1	MTL
60-33-2200			Lettering - 80 letters up to 3" tall - 3 colour	1	MTL
60-33-3000			Reflective stripe - 4" white	1	MTL
60-33-3310			Reflective stripe - red and yellow chevron at rear	1	MTL
60-33-3600			Reflective stripe - inside entry doors	1	MTL
60-33-4600			Aluminum cover over crosslays - with end tarps (black)	1	MTL
60-33-5000			Aluminum cover over hose bed with end tarps - black	1	MTL
			E		
60-33-50AA	U		Powered hose bed cover - to withstand 100 MPH wind gusts	1	
60-40-4500			6" Hose tray - side mount (ea)	1	MTL
60-40-5500	S		Suction hose tube (each) with door	2	MTL
60-41-1000			Pike Pole tube with door	2	MTL
60-41-1500			Attic ladder tube with rear door	1	MTL
60-41-9000		>	Zico electric Ladder Access system	1	MTL
60-41-9010			ZICO LAS switched at rear above tail light	1	MTL
			E		
60-41-9100			Manual locking system for LAS	1	MTL
60-99-0020	U		Swing out Tool Board	1	
60-99-0500	U	<	PAC TRAC back wall LS high side compartments	1	
			To be installed in both LS compartments over rear wheels		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			Requires 8 x PAC 7000-50		
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-0500			Side mount instrument panel	1	MTL
70-11-1500			Stainless steel instrument panels	1	MTL
70-11-3200	S	<	Colour coded tags	1	MTL
			The department will specify the colors to match their pre-connected hose colors.		
			Front Crosslay - Blue		
			Rear Crosslay - Green		
			2-1/2" Crosslay - White		
			Rear LS 2-1/2" - Yellow		
			Rear RS 2-1/2" - Purple		
			Other tags our choice of colour		
70-11-4100			Stainless steel side panel hood left side	1	MTL
70-11-4500			Diamondback grip type panel hood step right side	1	MTL
70-11-5100			Open storage at rear top of pump house	1	MTL
70-11-5500			Right side tread plate pump access door	1	MTL
70-11-7500			Heat pan-aluminum	1	MTL
70-11-8000			Heater in pump compartment	1	MTL
70-20-1500			2-1/2" pressure gauge - dual face 0-600	10	MTL
70-20-2500			Primer control	4	MTL
70-20-3300			FRC InControl Governor Control	1	MTL
70-20-3501	U	<	Special water level gauge - 4 individual lights	2	
			There will be four (4) individual water level gauge lights mounted on the side of the body. The colors will be Green, Blue, Orange and Red.		
			Whelen #RSG03ZCR, #RSB03ZCR, #RSA03ZCR & #RSR03ZCR.		
			Order configured for steady burn.		
			Requires driver 1530708		
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
70-20-7500			Heat exchanger control valve	1	MTL
70-21-1500			Electric Foam Level gauge	1	MTL
70-21-2100		>	PTO Hourmeter	1	MTL
70-21-5500			Panel readout for Battery Conditioner	1	MTL
70-99-05AA	U		Additonal Foam level gauge - Right side pump panel	1	
71-21-3101		>	Transmission warning light not required	1	MTL
			E		
			ACCESSORIES	1	MTL
80-11-5000	S		6" x 10' lightweight suction hose (ea)	2	MTL
80-12-2500			6" barrel strainer	1	MTL
80-12-2700		<	6" floating strainer	1	MTL
			Kocheck requested		
80-12-4500		< >	6" low level strainer with 1-1/2" venturi connection	1	MTL
			Kocheck requested		
80-13-0500			Rubber mallet	1	MTL
80-13-1100	S		Hose wrenches (triple) with holder	3	MTL
80-13-2500			Pike pole, fibreglass handle - 10' long	2	MTL
80-13-4000	S		Axe, pick head, fibreglass handle and bracket	1	MTL
80-13-4500	S		Axe, flat head, fibreglass handle and bracket	1	MTL
80-14-0500			24' 2 section extension ladder PEL 24	1	MTL
80-14-5500			14' aluminum roof ladder PRL-14	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
80-14-8500			10' aluminum folding attic ladder FL-10	1	MTL
80-18-0600			SCBA brkt w/strap - ZICO ULLH - crew cab mount	4	MTL
80-19-0500			Large folding wheel chock - aluminum (ea) not mounted	2	MTL
80-99-0010	U		6" x 15' (overall) lightweight suction hose (ea)	1	
80-99-05AA	U	<	Akron 3418 Apollo Electric monitor	1	
			There will be an Apollo Monitor 3418 with optional wireless control model 3600 and hard wired control on the pump panel.		
			Akron 3418 monitor		
			Akron 3600 wireless control		
			Akron 6041 Panel remote		
			Include electric nozzle when ordering (ref 80-99-10AA)		
80-99-10AA	U		Akron 1577 Electric SaberMaster stream nozzle	1	
80-99-15AA	U		Akron 3443 Mercury monitor - with mounting bracket	1	
80-99-20AA	U		Akron 1545 SaberMaster nozzle	1	
80-99-21AA	U		Akron electric riser 3406	1	
80-99-25AA	U		4" Storz to 6" NH female adapter	2	
80-99-30AA	U	<	6" NH double female adaptor	1	
			There will be a 6" NH X 6" NH Double Swivel Long Handle Female [57L66] Standard Color: Black supplied with the unit from Kocheck.		