



Shop Order

Carrier Truck Center Inc.
 Carrier Centers
 645 Athlone Place
 Woodstock, ON N4S 7V8

Township of Severn
 PO Box 159
 1024 Hurlwood Lane
 Orillia, ON L3V 6J3

Exp. Date: 12/09/2019
Quote No: Severn, ON-0021
Job/Order No: 21315
BODY: 00-10-31 Metalfab Tanker - ULC 05/13

04/26/2021

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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
00-05-0020	S	Dealer - Carrier Centers Emergency Vehicles - Rod	1	MTL
00-10-1000		Metalfab Tanker	1	MTL
00-20-0500		List of References not provided	1	MTL
00-20-1000		Company Profile	1	MTL
00-20-1501	S	Extended Body Warranty (2 year)	1	MTL
		The apparatus manufacturer shall provide a two year standard warranty. All components manufactured by the apparatus manufacturer shall be covered against defects in materials or workmanship for a two year period. All components covered by separate suppliers such as engines, transmissions, tires and batteries shall maintain the warranty as provided by the component supplier.		
00-20-1550		Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
00-20-1800		Polypropylene Tank Lifetime Warranty	1	MTL
00-20-2000		Plant Visits - unlimited at customer expense	1	MTL
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	1	MTL
10-11-1600	S	> ULC Testing - Mobile water supply fire fighting apparatus w/ no pump	1	MTL
		ENG. NOTE: Note in the shop note if the Fire Department wishes to witness the test		
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 ***Two copies of manuals are required.	1	MTL
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		
10-11-4200	S	Payment Terms - Chassis and Body COD	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 - Spartan Metro Star LTD with 10" raised roof 64,000 lb GVWR 20,000 lb front axle 44,000 lb rear axle 196" wheelbase 163" cab to axle Cummins L9 380 HP @ 2000 rpm 2200 governed rpm	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		1150 ft-lb torque @ 1400 rpm Engine C-brake (activates stop lamps when in operation mode) Allison 3000 EVS automatic transmission 60 MPH vehicle top speed 320 Amp Alternator 50 US gallon fuel tank Halogen headlights One (1) antenna base - left side on cab roof Color is single color red, DuPont L6572 EG RED		
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
20-21-1000	S	Maximum riders sign - 2 persons - included with chassis	1	MTL
20-21-1500	S	Seat belt warning labels - 2 door chassis - included with chassis	1	MTL
20-21-1520	S	Helmet warning label - do not wear helmet - included with chassis	1	MTL
20-21-1570	S	LED Tire Pressure Indicators - Tandem Axle - included with chassis	1	MTL
20-21-1600		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"	1	MTL
20-21-2500		Shifter lock not required E	1	MTL
20-21-3500		Rear step warning label	1	MTL
20-21-3810		Front mudflaps provided with chassis E	1	MTL
20-21-4001	S	Rear mudflaps - black Black liner low-density polyethylene (proprietary blend). The design of the mud flap shall have corrugated ridges to distribute water evenly.	1	MTL
20-31-0100		Fuel tank or step covers not required	1	MTL
20-31-0200		Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-1900	S	Chassis cab painted by chassis OEM - single color	1	MTL
20-41-1200		Transmission programming not required	1	MTL
20-41-1500		Extend exhaust pipe - RS front of rear wheels E Engineering to specify exhaust pipe material as required by the chassis manufacturer. Engineering to sign off on the exhaust configuration to make sure it meets the chassis manufacturer's emission specifications.	1	MTL
20-41-1900		Battery boost terminals with chassis E	1	MTL
20-41-2000		Chassis batteries remain in OEM location	1	MTL
20-41-2550	S	Fuel fill at LS rear fender well DEF fill will be behind the rear wall in the L1 compartment - same as M14-17341	1	MTL
20-41-2600		Chassis fuel tank remains in OEM location	1	MTL
20-41-5000		Rear Tow Hooks - under body *** Flat bar tow hooks under rear step (2)	1	MTL
20-51-0700		Master Battery Disconnect included with chassis	1	MTL
20-51-2500		Back up alarm included with chassis	1	MTL
20-51-3100	S	Air inlet with chassis Driver's step area - forward	1	MTL
20-51-3400		Protection valve installed for air operated accessories	1	MTL
20-51-6200	S	> 120 volt 20 A shore line connection in L2 compartment ENG. NOTE: Requires 20-51-75 120 volt auto eject or 20-51-80 120 volt inlet Standard 5-20R duplex receptacle in chassis cab, not fused It will be installed in the L2 compartment to charge the Tohatsu Pump 80-99-05AA as per tender on Page 48	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
20-51-6501	S	Kussmaul battery charger/compressor with Spartan chassis Charger located behind driver's seat. 120 Volt compressor located RH under dash.	1	MTL
20-51-7102	S	Electric System Management included with chassis - TSM	1	MTL
20-51-8505		Engine compartment light included with chassis E	1	MTL
20-51-9001	S	Air horns in bumper with chassis- controlled by Left Lanyard The air horn will be controlled by left side lanyard Spartan part # 5512-010	1	MTL
20-52-3500		> Chassis steering wheel lined up by Metalfab E ENG. NOTE: Freightliner, Sterling, and Spartan only	1	MTL
20-60-0400		Chassis wheelbase does not change	1	MTL
20-90-1800	U	Price Adjustment	1	
20-90-1810	U	Extend air tank drains/moisture ejectors to rubrails and tag/label	1	
20-90-1820	U	Map box in cab An aluminum map storage box shall be installed in the cab and shall be mounted between and just behind the driver and officer seating position above the A/C module. The box shall be constructed of 1/8" (.125) smooth aluminum. Two hinged flip up doors with push button latches shall be installed on the front of the box. The driver's side storage will be open for general use. The officer's side storage area shall have four (4) equally spaced horizontal slots for storage of ring binders, map books, etc to match previous unit M14-17341. Map box will be zolotoned to match cab interior SOPT#1052 Final design to be finalised after chassis arrives due to location of A/C on dog house. Rod Harris Approved drawing by e-mail on 01.07.2021	1	
20-99-05AA	U	Stainless steel trim at bottom edge of compartment openings There will be a Stainless Steel edge trim at the bottom of the pass through compartment on the chassis cab. See picture F:/Data/Jacques/Current Projects/Severn/Pictures/SS compartment trim As requested by Rod Harris by e-mail on 12.01.2020	1	
20-99-10AA	U	Reposition chassis ventilation fans The ventilation fans will move from the center of the chassis cab roof to the outboard position and the switch will be moved to the driver side panel of the chassis dash beside the heated mirror switch (in the blank spot). As requested by Rod Harris by e-mail on 12.09.2020. Match location of Georgina 20000 Clarification - the switch will be an On/Off control.	1	
PUMP AND PLUMBING			1	MTL
30-11-0100	S	Chassis engine driven pump not requested	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
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		Tank capacity 2500 Imperial Gallons	1	MTL
40-23-0500		1" water level gauge connection	1	MTL
40-23-1040		4" direct fill connection	1	MTL
40-23-1060		10" Newton dump connection	1	MTL
40-23-1070	S	3" tank connection Inlet/Outlet for 40-31-6000 and 40-31-61AA.	3	MTL
40-30-0500	S	Sump drain valve (3" gate valve) with linkage - LS to match previous unit	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	S	Newton dump - 36" telechute painted steel Customer confirmed that an aluminum "flip chute" is preferred to match M14-17341 - as advised by Rod Harris by e-mail 06.17.2020 The chute will be deck plate, measure approximately 22.5" long and match the picture saved in F:/Data/Jacques/Current Projects/Severn/Pictures/dump chute.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		As advised by Rod Harris by e-mail on 07.21.2020		
40-31-5500		<i>Electric operator for Newton dump, top mount</i> Location of the switch is left side of the unit above the tail lights. Provisions shall be made to allow manual operation of the dump line in the event of an emergency.	1	MTL
40-31-5600		> <i>Rotating dump chute for Newton dump painted steel</i> ENG. NOTE: Requires top mount control on dump valve	1	MTL
40-31-5800		<i>Support for rotating dump chute if necessary</i> Engineering to determine if this support is required	1	MTL
40-31-6000	S	<i>2-1/2" rear gtd tank fill</i> Akron valve 30 degree elbow with swivel and plug for the upper fill - no elbow required for the lower fill. Bleeder valve required. Located on right rear of the body, no higher than 5' from ground. To match M14-17341 - see also proposal drawing for locations. The bottom connection will be labelled "2-1/2" tank suction" to match M14-17341 as advised by Rod Harris by e-mail on 07.21.2020	2	MTL
40-31-61AA	U	<i>3" tank suction direct to tank in L2 compartment</i> Suction line with 3" Akron ball valve rearward in second front left compartment. Shall be located 12" from rearward wall of the compartment. A 45 degree elbow shall be attached to the valve and a 4" female threaded swivel coupling shall be attached to the elbow to match M14-17341.	1	
40-31-8000		<i>4" Storz rear gtd fill</i> Equipped with butterfly valve with hand wheel control. 4" 30 degree Storz adapter with screen with 4" Storz cap and bleeder valve. Located on left rear of the body, no higher than 5' from the ground to match M14-17341.	1	MTL
		ELECTRICAL		
50-11-0500	S	<i>Base electrical system - 12V DC Conventional Wiring</i> ***Includes green "Battery On" indicator light on chassis instrument panel with chassis.	1	MTL
50-11-0600		<i>Warning Light Certification</i>	1	MTL
50-11-0700		<i>Low Voltage Electrical system test</i>	1	MTL
50-11-0800		<i>Low Voltage Electrical System Documents</i> As required by ULC and NFPA standards	1	MTL
50-11-0900	S	<i>Rocker switch panel with master warning switch</i> See Spartan layout for rocker switch assignment location. The center dash panel from Spartan will be redone by Metafab to remove the Spartan dash switches and have most items controlled with the Cencom CCSNTA3. The rear directional arrow controller TACTL6 will be installed above the Cencom to match M14-17341. See picture in F:/Data/Jacques/Current Projects/Severn/Pictures	1	MTL
50-11-14AA	U	<i>Cencom siren - included with Spartan chassis - CCSRNTA3</i> The siren controls will be on the top row of the Cencom to match M14-17341. As advised by Rod Harris by e-mail on 01.20.2021	1	
50-11-2500	S	<i>Siren 200 Watt speaker included with Spartan chassis</i>	1	MTL
50-11-6110	S	<i>Whelen light bar included with chassis - F4N72LED 4R2C4B</i> The emergency lights will be controlled by the slide switch as requested by Rod Harris by e-mail on 01.20.2021. Slide switch in position 1 - turns on Rear Beacons and the Rear Flashers. Slide switch in position 2 - turns on Rear Beacons, Rear Flashers, Light bar (red) and perimeter flashers. slide switch in position 3 - turns on Rear Beacons, rear flashers, Light bar (red	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		and white) and perimeter flashers.		
50-11-6617	U	Rear directional light - arrow type TA165NF2 An area shall be provided on the rear of the body for the mounting of a traffic advisor, model TA165NF2 Whelen traffic advisor to match M14-17341. SOPT in file.	1	
50-11-8600	S	Rear LED beacons-Whelan MCFLED2R (pr) red/blue The beacons will be controlled by the Cencom unit. The LS beacon will be blue and the RS beacon will be red as requested by Rod Harris by e-mail on 07.21.2020	1	MTL
50-12-8521	S	Front flashers, intersection lights included with chassis, Whelen 600 The flashers will be controlled by the Cencom unit.	1	MTL
50-12-8610	S	Rear LED flashers (pr)-Whelen red LED 600 - LS red / RS blue The flashers will be controlled by the Cencom. The LS flasher will be red and the RS flasher will be blue. As requested by Rod Harris by e-mail on 07.21.2020	1	MTL
50-12-8810	S	Body side inter lts (pr)-Whelen red LED 600 with integral flasher The flashers will be controlled by the Cencom unit.	1	MTL
50-12-8905	S	> Add'l body side inter lts (pr)-Whelen red LED 600 with integral flasher ENG. NOTE: Required if distance between front and rear side intersection lights exceeds 25' Included with the chassis. Check location when ordering the chassis. The flashers will be controlled by the Cencom unit.	1	MTL
50-21-1505	U	Unity LED rear floods (pr) Switch in cab by Cencom controller. These lights cannot be managed to shed. The location of the switch will be in the middle row, switch #3. As advised by Rod Harris by e-mail on 01.20.2021	1	
50-21-5110	S	Compartment lighting - LED tube lights in each compartment Vertical tube type compartment lights will be provided in each enclosed compartment except the compartments over the rear wheels which will have Horizontal tube type compartment lights, and will be controlled by the Cencom unit as requested on Pge 44 of the tender and advised by Rod Harris by e-mail on 07.21.2020 The location of the switch will be in the bottom row, switch #1. As advised by Rod Harris by e-mail on 01.20.2021	1	MTL
50-21-5600	S	Door Ajar warning light with buzzer and Equipment rack not stowed warning light Both included with the chassis. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL
50-21-8001	S	Step lights for body steps - LED as required Switched on with park brake.	1	MTL
50-21-8201	S	Step lights for chassis steps - LED - with chassis Switched on when the park brake is applied as requested by Rod Harris by e-mail on 07.21.2020	1	MTL
50-21-8600		LED clearance lts and reflectors	1	MTL
50-21-8605	U	Polished aluminum license plate holder with LED light Located on the rear of the body under the dumpline or "dump chute" as requested by Rod Harris by e-mail on 07.21.2020.	1	
50-21-8800		LED intermediate turn signal/clearance/reflector length >30'	1	MTL
50-22-0700	S	Whelen 64 LED tail/brake-turn-backup module (pr)	1	MTL
50-31-6010		Scene light boxes (pr) - tread plate E One each side - centered - to match M14-17341.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-31-60AA	U	Scene lights (pr) - FRC FCA210-V15 - one each side above full height compartment Separate switches on Cencom controller. These lights can be managed to shed. The location of the switches will be in the middle row, switch #1 for left scene and switch #5 for right scene. As advised by Rod Harris by e-mail on 01.20.2021	1	
50-31-6505		Ground lighting included with chassis E Switched on with park brake.	1	MTL
50-31-65AA	U	Hose bed lighting - LED on front partition Switched on with park brake and will be Lumabar(s) as requested by Rod Harris by e-mail on 07.21.2020 .	1	
50-31-6620	S	Ground lighting (4" LED) - tanker body Switched on with park brake.	1	MTL
		BODY	1	MTL
60-10-1600		Tandem axle extruded aluminum body	1	MTL
60-10-2290	U	Trim at bottom edge of compartment openings A trim shall be located at the bottom edge of compartment openings as required. The trim shall provide added protection of painted surface of the body when equipment is removed from the compartment. SOPT#1134 Amdor type door sill is installed to match M14-17341 as approved by Rod Harris by e-mail on 06.17.2020	1	
60-10-4100		No "beavertail" rear step supports	1	MTL
60-10-4510		Aluminum tread plate fender surround - tandem axle Install an access panel inside the fender well to match M14-17341.	1	MTL
60-10-4700		Integral aluminum fender trim	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	S	Bolt on extruded aluminum rub rail White reflective to be installed on rub rail to match M14-17341	1	MTL
60-11-0300		> Front left side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0350	S	> Second front left side compartments full height ENG. NOTE: Specify critical dimensions in shop note Compartment will be sized to house the Tohatsu VC72AS pump (80-99-05-AA) on a 600lb Slidemater tray (60-31-8800) that measures approximately 24.4" wide x 28" long x 28.75" high. The pump will be secured with physical hold downs with a latching pin like M14-17341. See pictures in F:/Data/Jacques/Current Projects/Severn/Pictures. As requested by Rod Harris by e-mail on 07.21.2020	1	MTL
60-11-0700		> Front right side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0750		> Second front right side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0900		> Rear left side compartments intermediate height ENG. NOTE: Specify critical dimensions in shop note	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-11-1300		> Rear right side compartments intermediate height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-1900		> Low side compartment (up to 18") each ENG. NOTE: Specify critical dimensions in shop note Specify type of door Specify flip up or drop down Specify which side of body	4	MTL
60-11-3100		No rear compartment E	1	MTL
60-11-4500	S	Flush mount aluminum door - single with "D" handle 2 - LS over rear wheels - drop down type 2 - RS over rear wheels - drop down type 1 - Vertically hinged for rear access suction hose tubes. Drop down doors with chain restraints to match M14-17341 - as requested by Rod Harris by e-mail on 07.21.2020	5	MTL
60-11-5510		Rollup door - intermediate height 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 Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	4	MTL
60-11-5660	U	Amdor pull straps - Flex - HD L1, L2, R1 and R2. Order with the doors	1	
60-31-4100	S	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface. All railing will be 1-1/4" outer diameter, extruded aluminum non slip rib type tubing. Two (2) vertical rails will be mounted on the rear of the body, one (1) each side. One (1) handrail will be installed below the level of the hosebed and one at rear on top rail.	1	MTL
60-31-5500	S	Steps at rear of body (folding) with LED lights Maximum height between steps is 18" Switched on with park brake.	1	MTL
60-31-6500	S	Compartment matting - black interlocking tile	1	MTL
60-31-8800	U	Price Adjustment	2	
60-31-8800	S	> Sliding tray (ea) - 600 pound capacity. 70% extension ENG. NOTE: Specify location ***Hardware requires 3-1/2" of compartment height Reflective stripe is applied on the exposed edge for visibility when the compartment door is open 1. Right side rear compartment, R5 = floor level to match M14-17341- 70% extension	1	MTL
60-31-88AA	U	Sliding tray - 600lb capacity. 100% extension 1. second left side front compartment, L2 - sized for portable pump 80-99-05AA. 100% extension ***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 As requested by Rod Harris by e-mail on 07.21.2020	1	
60-31-9000	S	> Tip down tray - 30 degree, 250 pound capacity ENG. NOTE:	2	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Specify location		
		Located in the following compartments; Tray #1 - second left side front compartment, L2 - adjustable in the upper part of compartment Tray #2 - second right side front compartment, R2 - adjustable in the upper part of compartment. Locations to match M14-17341 White Reflective stripe is applied on the exposed edge for visibility when the compartment door is open		
60-31-9600	S	> Fixed shelf (ea) ENG. NOTE: Specify location	4	MTL
		Located in the following compartments: Shelf #1 - second front left side compartment, L2 - shallow at depth change Shelf #2 - left side rear compartment, L5 - shallow at depth change Shelf #3 - second front right side compartment, R2 - shallow at depth change Shelf #4 - right side rear compartment, R5 - shallow at depth change Locations to match M14-17341 Reflective stripe is applied on the exposed edge for visibility when the compartment door is open As approved by Rod Harris by e-mail on 06.17.2020		
60-32-3550		Two adjustable hose divider (each) Hand hold required in end	1	MTL
60-32-7500		Hose bed - aluminum	1	MTL
60-33-0100		Paint exterior - Imron Elite and clearcoat E *** Paint code and color red to match cab.	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600		Chassis wheels not painted Aluminum wheels	1	MTL
60-33-1000		Paint pump and plumbing job colour	1	MTL
60-33-1500		Buffed finish compartment interior	1	MTL
60-33-2000	S	Lettering - no lettering provided There will be no lettering provided as requested by Rod Harris by e-mail on 12.11.2020	1	MTL
60-33-3300	S	Reflective stripe - 6" white 50% of perimeter each side and 25% of perimeter front - To match M14-17341	1	MTL
60-33-3310		Reflective stripe - red and yellow chevron at rear Minimum 50% of rear vertical surfaces. Printed 3M Scotchlite tape to match M14-17341.	1	MTL
60-33-35AA	U	Tarp over hose bed, j-hooks for restraint - black Constructed of black 18 oz PVC vinyl coated polyester fabric to be 1000 x 1300 Denier polyester with fabric count of 20 x 20 square inch Front edge to be mechanically attached to body with an aluminum strip, j-hooks and shock cord along each side with flap at rear retained j-hooks and shock cord. Material to match M14-17341 as requested by Rod Harris by e-mail on 06.17.2020 and restraint as requested by Rod Harris by e-mail on 07.21.2020	1	
60-40-5500	S	Suction hose tube with door - fully enclosed Left side over compartment - rear access - to store the 4"x10' suction hose (80-11-2000). Door ajar switch required. The tube will be completely enclosed and stop at 11' deep. The door will be flush mount to match M147341.	2	MTL
60-41-1000	S	Pike Pole tube - rear access A pike pole holder shall be affixed to the upper right corner of the bottom tunnel.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-41-6001	S	> Zico hydraulic portable tank rack - right side ENG. NOTE: Specify mounting location desired. If Portable tank is customer supplied, specify overall dimensions when the tank is in stored position For storage of a 2100 gallon customer supplied portable tank: Make: Husky Model: 2100 US Gal, 7049 Litres Lenght: 135" Height: 29" Thickness: 7" As advised by Rod Harris by e-mail on 08.11.2020 by e-mail. To be wired so only operable when park brake is engaged and small compartment doors over wheels are closed. 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, right side	1	MTL
60-41-6100	S	Tread plate on exterior of Zico PTS The exterior of the Zico porta tank rack will be covered with deck plate as requested by Rod Harris by e-mail on 08.24.2020	1	MTL
60-41-7100		Tread plate on body behind porta tank rack	1	MTL
60-91-1000	U	Body corner guards (trim) front and rear - 0.0625" thick aluminum treadplate To match M14-17341	1	
INSTRUMENTATION				
70-20-3500	S	Electric water level gauge on front side wall of L2 compartment, Class One	1	MTL
70-20-3615	U	Remote PSTANK water level indicator on rear Interlock with park brake so powered only when the park brake is set. Located left side under left side rear facing marker light.	1	MTL
ACCESSORIES				
80-11-2000		4" x 10' lightweight suction hose (ea) Tube Mounted	1 2	MTL MTL
80-12-1000		4" barrel strainer Shipped loose, not mounted. Customer will mount in customer's brackets.	1	MTL
80-13-0500		Rubber mallet Shipped loose, not mounted. Customer will mount in customer's brackets.	1	MTL
80-15-1000	U	Price Adjustment	1	
80-99-05AA	U	Tohatsu - TH-VC72AS Portable pump and dedicated battery charger One Tohatsu Portable Pump model VC72AS (P/N 1542327) shall be supplied. The intake shall be a 4" male NH Thread. The Discharge shall be a 2 1/2" male CSA thread. The dedicated battery Charger for the portable pump shall be mounted in the same compartment as the pump and be attached to the shore power. To match M14-17341. Order with pump. SOPT/Quotation for pump in the file. The pump will be secured with physical hold downs with a latching pin like M14-17341. See pictures in F:/Data/Jacques/Current Projects/Severn/Pictures. As requested by Rod Harris by e-mail on 07.21.2020	1	
80-99-10AA	U	Zico UHH-2 Helmet holder - shipped loose Two Ziamatic model UHH-2 helmet storage shall be shipped loose. Part number - 1562643	2	