



Shop Order

Inverness Fire Department
 15795 Central Ave.
 Inverness, NS B0E 1N0

Exp. Date: 11/28/2020
Quote No: Inverness, NS-0012
Job/Order No: 21867
BODY: 00-10-21 Metalfab Walk Around 05/13

01/17/2022

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| PART NO | S | DESCRIPTION | QTY | ID |
|-------------------|----------|--|----------|------------|
| | | == Metalfab Walk Around 05/13 - 0.000 == | 1 | MTL |
| | S | CHANGE ORDER D | 1 | MTL |
| 00-05-0010 | | Dealer - Metalfab | 1 | MTL |
| 00-10-2000 | | Metalfab Walk Around Rescue/Equipment Unit | 1 | MTL |
| 00-20-1000 | | Company Profile | 1 | MTL |
| 00-20-1500 | | Standard Body Warranty | 1 | MTL |
| 00-20-1550 | | Metalfab Limited Ten (10) Year Paint and Corrosion Warranty | 1 | MTL |
| 00-20-2000 | | Plant Visits - unlimited at customer expense | 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 |
| 10-11-0105 | | Vehicle Data Recorder not requested E | 1 | MTL |
| 10-11-0700 | | ULC S515-13 Compliance - Rescue/Equipment | 1 | MTL |
| | | Reference ULC S515: | | |
| | | Chapter 3 - General Requirements | | |
| | | Chapter 10 - Special Services Apparatus | | |
| | | Chapter 11 - Chassis | | |
| | | Chapter 12 - Low Voltage Electrical/Warning | | |
| | | Chapter 13 - Driving and Crew Areas | | |
| | | Chapter 14 - Body | | |
| 10-11-2010 | S | > ULC Testing - Special Services Vehicle - no engine driven 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 |
| 10-11-2300 | | Overall length is less than 30' | 1 | MTL |
| 10-11-2500 | | General Construction | 1 | MTL |
| 10-11-3000 | | Manuals - two copies | 1 | MTL |
| | | ***Two copies of chassis manuals are required. | | |
| 10-11-3600 | S | > Delivery - FOB Fire Department | 1 | MTL |
| | | ENG. NOTE: | | |
| | | Note in the shop note if more than 4 hours of training is required | | |
| 10-11-4000 | | Payment Terms - Chassis Net 10 days, Balance COD | 1 | MTL |
| 10-20-2610 | | Equipment carrying capacity - ULC/NFPA SSV 15,001 to 20,000 GVW | 1 | MTL |
| | | CHASSIS INFORMATION | 1 | MTL |
| 20-11-1000 | S | Chassis supplied by Metalfab - Ford F550 two door 4WD XL package | 1 | MTL |
| | | 169" Wheelbase | | |
| | | 19,500 lb GVWR package | | |
| | | 7.3 liter gas engine - 350 HP, 468 ft-lb torque | | |
| | | 10 speed automatic transmission | | |
| | | Dual alternators - 397 amp total | | |
| | | Race Red in color | | |

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| | | Power mirrors required for ULC Cab running boards Steel wheels As confirmed with department at pre-construction meeting of 02.01.2021 and on order with Canso Ford (confirmed with Blaise MacEachern on 02.02.2021) | | |
| 20-11-12AA | U | Chassis dealership - Canso Ford Chassis to be purchased from Canso Ford Sales rep - Blaise MacEachern Commercial & Retail Sales t: (902) 625-1338 m: (902) 631-1082 e: blaise@cansoford.ca | 1 | |
| | | Canso Ford 9 MacIntosh Avenue Port Hawkesbury, NS B9A 3K4 http://cansoford.ca | | |
| 20-11-1500 | | 2013 Emission chassis modifications | 1 | MTL |
| 20-11-1600 | S | Chassis Motor Vehicle Inspection as supplied by chassis dealership | 1 | MTL |
| 20-21-0500 | | Fluid capacity 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 |
| 20-21-1600 | | 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 |
| 20-21-3500 | | Rear step warning label | 1 | MTL |
| 20-21-3800 | | Front mudflaps | 1 | MTL |
| 20-21-4000 | | Rear mudflaps - Metalfab Logo | 1 | MTL |
| 20-31-0100 | | Fuel tank or step covers not required | 1 | MTL |
| 20-31-02AA | U | Fuel fill label - Gasoline only | 1 | |
| 20-31-1900 | S | Chassis cab as painted by chassis OEM - Race Red | 1 | MTL |
| 20-31-7500 | S | Console in cab Install switch panel (50-11-0900), siren (50-11-1400), door ajar light (50-21-5500), air restriction gauge (20-51-8800), volt meter (70-21-2000) and Customer's radios (ref 50-35-0500) in console. Storage area with hinged cover and lift and turn latch provided at rear of console. Gray Zolatone finish | 1 | MTL |
| 20-31-7588 | U | Remove center section of front cab seat for room for console in cab Center console will be packaged up and returned with finished unit. | 1 | |
| 20-41-1600 | | Extended exhaust pipe not required (provided with chassis) | 1 | MTL |
| 20-41-1801 | | Battery boost terminals not required - batteries accessible | 1 | MTL |
| 20-41-2000 | | Chassis batteries remain in OEM location | 1 | MTL |
| 20-41-2550 | | Fuel fill at LS rear fender well Fuel guard and components that are included loose with chassis will be used. | 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 |
| 20-41-5200 | S | Rear trailer receiver - Class III/IV Department confirmed that trailer wiring is not required - as discussed at the pre-construction meeting of 02.01.2021 12-volt power connection 50-41-5265 | 1 | MTL |

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| 20-41-5210 | | <i>Front receiver</i> Purchased part like Shelburne M15-18064 12-volt power connection 50-41-5260 | 1 | MTL |
| 20-41-5250 | U | <i>Winch, 10,000 lb capacity - Warn Zeon 10-S Multi mount</i> Include 25' remote control (p/n 1521714) SOPT #392 | 1 | |
| 20-51-0500 | | <i>Master disconnect switch - manual</i> *** Floor mounted next to driver's door - disconnects Metalfab install components only. | 1 | MTL |
| 20-51-2500 | | <i>Back up alarm included with chassis</i> | 1 | MTL |
| 20-51-3100 | S | <i>Air inlet not requested</i> | 1 | MTL |
| 20-51-6200 | | > <i>120 volt 20 A shore line connection in chassis cab</i> 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. For battery conditioner to plug into. Minimum 12" from cab floor. | 1 | MTL |
| 20-51-6500 | | <i>Kussmaul Autocharge 1000 battery conditioner w/battery saver</i> Conditioner mounted inside cab rear of console/cab seat | 1 | MTL |
| 20-51-7101 | S | <i>Electric System Management - VMUX</i> | 1 | MTL |
| 20-51-7300 | S | > <i>Low Voltage Alarm in cab</i> ENG. NOTE: Requires 20-51-7100 Electric System Manager | 1 | MTL |
| 20-51-7500 | | <i>Super Auto eject for 120 v - 20 A with sealed enclosure</i> Location to be front corner of the body - left side. Will be installed at an angle. | 1 | MTL |
| 20-51-8510 | S | <i>Engine compartment lights LED</i> Switched when transmission in placed in park. There will be a Lumabar installed under the hood as discussed at the electrical meeting of 09.13.2021 | 1 | MTL |
| 20-51-8600 | U | <i>Add an air intake ember separator screen (ULC requirement)</i> | 1 | |
| 20-51-8800 | U | <i>Air restriction gauge - in chassis console</i> Part # 1530886 | 1 | |
| 20-51-9001 | | Air horns not requested E | 1 | MTL |
| 20-52-3000 | | > Chassis steering wheel lined up by others ENG. NOTE: Required for all chassis except Freightliner, Sterling, Spartan | 1 | MTL |
| 20-60-0400 | | Chassis wheelbase does not change | 1 | MTL |
| 30-10-40AA | U | <i>300 Imperial gallon skid unit with 20 HP CET pump, one 2.5" and one 1.5" dischar</i> A drop in skid unit with 300 minimum Imperial gallon tank and a CET SM-PFP-20hpKHL-MR pump mounted on the skid will be secured in the open area of body. A 6 gallon fuel tank will be ordered and fastened to the top of the tank and plumbed to the CET pump A stainless steel manifold will be fabricated and plumbed to the CET pump and tank with the following components: 1 - 2-1/2" discharge with Customer thread and cap 1 - 1-1/2" discharge with NPSH threads and cap 1 - 1" (or 1-1/2") tank fill 1 - 2-1/2" tank to pump 1 - 2-1/2" suction inlet configured so that tank can be filled from an external source and so that pump can be supplied with water from an external source. (2-1/2" Customer thread swivel and plug required). All valves shall be controlled by the handle on the valve. Tank will have a built in visual water level slot (similar to CET skid units). | 1 | |

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| | | Tank fill box/overflow vent will be located at the rear left top portion of tank 1.5" single stack hose tray on one (1) side for 200' of hose and 2.5" single stack hose tray on the other side Pump will have an exhaust primer Pump ignition will be wired to the chassis | | |
| | | ELECTRICAL | 1 | MTL |
| 50-11-0300 | | Base electrical system - multiplex E | 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 As required by ULC and NFPA standards | 1 | MTL |
| 50-11-0900 | S | Rocker switch panel with master warning switch ***Rocker switch assignments: MASTER -LIGHT BAR -FLASHING WARNING -REAR FLOODS -Left scene - added at pre-construction meeting of 02.01.2021 -Right scene - added at pre-construction meeting of 02.01.2021 | 1 | MTL |
| 50-11-1400 | | Federal PA300 100 watt siren | 1 | MTL |
| 50-11-1620 | S | > Siren speaker, 100 watt, under front receiver ENG. NOTE: AS124 speaker 1570860 | 1 | MTL |
| | | The speaker will be mounted under the front receiver as discussed at the electrical meeting of 09.13.2021 | | |
| 50-11-2600 | | Siren to be accessible to driver and officer | 1 | MTL |
| 50-11-5815 | U | Federal LPX53DS - NFPA LED lightbar - all red Flash pattern will change when transmission in placed in park. Part #1571141 - all red LED with clear domes | 1 | |
| 50-11-9015 | U | Rear beacons, Federal NVG10 (pr) - both red No beacon brackets required - mounted directly to compartment tops. | 1 | |
| 50-12-5028 | U | Front LED flashers (pr)-red Federal QL43-RR The flashers will be installed on the front receiver as discussed at the electrical meeting of 09.13.2021 | 1 | |
| 50-12-5118 | U | Rear LED flashers (pr)-red Federal QL43-RR | 1 | |
| 50-12-5218 | U | Front side inter lts (pr)-red LED Federal QL43-RR The flashers will be installed on the front fender as discussed at the electrical meeting of 09.13.2021 | 1 | |
| 50-12-5318 | U | Body side inter lts (pr)-red LED Federal QL43RR | 1 | |
| 50-21-1505 | U | Unity LED rear floods (pr) Switched on light head and in cab. These lights cannot be managed to shed. | 1 | |
| 50-21-2540 | S | FRC telescoping SPECTRA LED 12V flood (ea) There will be a pair of extenda lights supplied and installed on the front of the body. The lights will be controlled at each light head. As requested at the pre-construction meeting of 02.01.2021 | 2 | MTL |
| 50-21-5110 | | Compartment lighting - LED tube lights in each compartment (flush doors) E | 1 | MTL |
| 50-21-5500 | | Door Ajar warning light Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on" | 1 | MTL |
| 50-21-8006 | S | Step lights for body steps - LED Switched when transmission in placed in park. | 1 | MTL |

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| 50-21-8201 | S | Step lights for chassis steps - LED Switched when transmission in placed in park. | 1 | MTL |
| 50-21-8600 | | LED clearance lts and reflectors 3-in-row to be under the skid unit - required for CMVSS | 1 | MTL |
| 50-22-0700 | S | Whelen 64 LED tail/brake-turn-backup module (pr) | 1 | MTL |
| 50-31-6550 | | Ground lighting (LED Lumabar) - 2 door chassis Switched when transmission in placed in park. | 1 | MTL |
| 50-31-6590 | S | Ground lighting (LED Lumabar) Switched when transmission in placed in park. | 1 | MTL |
| 50-35-0500 | S | Installation of customer supplied mobile radio Radio information list required that includes radio(s) make and model, cutout sizes, wiring information, etc. The TMR Motorola XTL1500 arrived on 09.15.2021 and was turned into inventory The Motorola MaxTrac arrived on 09.15.2021 and was turned into inventory | 2 | MTL |
| 50-35-0560 | S | VHF antenna with base - commercial chassis There will be one (1) VHF antenna supplied and installed on the cab behind the light bar. As requested at the pre-construction meeting of 02.01.2021 | 1 | MTL |
| 50-35-0590 | S | Cellular/TMR antenna with base - commercial chassis There will be one (1) TMR antenna supplied and installed on the cab behind the light bar. As requested at the pre-construction meeting of 02.01.2021 | 1 | MTL |
| 50-41-5260 | U | 12-Volt power point for winch by front receiver SOPT #283a There will not be an emergency disconnect required because these connections are quick disconnect. As discussed at the electrical meeting of 09.13.2021 | 1 | |
| 50-41-5265 | U | 12-Volt power point for winch by rear receiver SOPT #283a There will not be an emergency disconnect required because these connections are quick disconnect. As discussed at the electrical meeting of 09.13.2021 | 1 | |
| 50-99-05AA | U | Install customer supplied work lights There will be a pair of customer supplied work lights installed on the left and right side of the body. They will be controlled by switches in 50-11-0900. As requested at the pre-construction meeting of 02.01.2021 Four (4) 4"x4" lights arrived at Metalfab on 09.15.2021 and were turned into inventory | 1 | |
| | | BODY | 1 | MTL |
| 60-10-2200 | S | Walk around extruded aluminum Rescue Body (Approx 12'4") | 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 |
| 60-10-5440 | > | Diamondback 14" rear step ENG. NOTE: Maximum height of rear step is 24" from ground | 1 | MTL |
| 60-10-6000 | | Extruded 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 |
| 60-11-1000 | > | Rear left side compartments full height E ENG. NOTE: Specify critical dimensions in shop note | 1 | MTL |

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| 60-11-1400 | | > Rear right side compartments full height E ENG. NOTE: Specify critical dimensions in shop note | 1 | MTL |
| 60-11-2000 | | > High side compartment (over 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 | 2 | MTL |
| 60-11-3100 | | No rear compartment E | 1 | MTL |
| 60-11-4510 | S | Flush mount aluminum door - double with "D" handle - right side | 2 | MTL |
| 60-11-4520 | U | Flush mount aluminum door - double with "D" handle - left side | 1 | |
| 60-11-4540 | U | Flush Mount aluminum door - single with "D" handle - flip up for high side | 2 | |
| 60-31-4100 | S | Extruded aluminum handrails Two vertical handrails at rear of body Minimum 2" clearance from handrail to any surface | 1 | MTL |
| 60-31-5500 | S | Steps at rear of body (folding with LED lights) as required Maximum height between steps is 18" | 1 | MTL |
| 60-31-6500 | S | Compartment matting - black plastic interlocking tile | 1 | MTL |
| 60-31-8700 | S | > Sliding tray (ea) - 400 pound capacity with gas strut and HD latch ENG. NOTE: Specify location Located at floor level in the following locations: Left rear side compartment Right rear side compartment White reflective stripe is applied on the exposed edge for visibility when the compartment door is open | 2 | MTL |
| 60-31-8800 | S | > Sliding tray (ea) - 600 pound capacity - 70% extension ENG. NOTE: Specify location Located at floor level in the following locations: Left front side compartment Right front side compartment White reflective stripe is applied on the exposed edge for visibility when the compartment door is open ***Hardware requires 3-1/2" of compartment height | 2 | MTL |
| 60-31-9600 | | > Adjustable shelf (ea) ENG. NOTE: Specify location One adjustable tray is installed in each side compartment unless otherwise specified. White reflective stripe is applied on the exposed edge for visibility when the compartment door is open | 6 | MTL |
| 60-33-0000 | | Paint exterior - Imron Elite *** Paint code and colour red to match cab | 1 | MTL |
| 60-33-0200 | | Undercoat vehicle with KROWN rust protection | 1 | MTL |
| 60-33-0600 | S | Chassis wheels not painted - finish is as supplied with chassis | 1 | MTL |
| 60-33-1500 | | Buffed finish compartment interior | 1 | MTL |
| 60-33-2200 | S | Lettering - 80 letters up to 3" tall - 3 colour *** Vinyl letters, Fire Department to provide details on location and text. Lettering will include: Door decal to match previous units in gold reflective Truck number will be "4" in gold reflective "Emergency 911" on rear compartment doors white reflective As approved by e-mail on 09.26.2021 | 1 | MTL |

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| 60-33-3000 | | Reflective stripe - 4" white 50% of perimeter each side and 25% of perimeter front. 3M Scotchlite material | 1 | MTL |
| 60-33-3310 | | Reflective stripe - red and yellow chevron at rear Minimum 50% of rear vertical surface Printed 3M Scotchlite material | 1 | MTL |
| 60-40-5500 | S | Open tray storage for the two 2-1/2" suction hoses Storage for the two 2-1/2" x 10' suction hoses 80-11-1000 shall be provided on top of the body | 1 | MTL |
| 70-20-2130 | S | 2-1/2" pressure gauge - dual face 0-400 - Thuemling brand There will be a pressure gauge on the output of the pump as requested at the pre-construction meeting of 02.01.2021 | 1 | MTL |
| 70-21-2000 | S | > Volt Meter - ULC requirement ENG. NOTE: Specify location in shop note There will be a Volt Meter installed on the console 20-31-7500 as required by ULC | 1 | MTL |
| 70-21-5500 | S | Readout for Battery Conditioner - location to be front LS of body Location to be on the front of the body on the left side | 1 | MTL |
| 71-21-4000 | S | Microphone compartment This compartment is 7" x 6" x 4" deep and will be installed at the rear of the body. As discussed at the pre-construction meeting of 02.01.2021 | 1 | MTL |
| 71-21-4500 | S | Speaker at rear of body There will be a speaker mounted on the rear of the body to be used when the unit is pumping on scene. As requested at the pre-construction meeting of 02.01.2021 | 1 | MTL |
| 71-21-4510 | S | < Microphone and connection on rear of body SOPT #587 A microphone will be wired to the TMR radio and mounted at the rear of the body (stored inside box 71-21-4000). As requested at the pre-construction meeting of 02.01.2021 | 1 | MTL |
| | | ACCESSORIES | | |
| 80-11-1000 | | 2-1/2" x 10' lightweight suction hose (ea) Stored in open tray 60-40-5500 Order with Customer thread | 1 2 | MTL MTL |
| 80-12-0500 | | 2-1/2" barrel strainer Shipped loose, not mounted Order with Customer thread | 1 | MTL |
| 80-13-0500 | | Rubber mallet Shipped loose, not mounted. | 1 | MTL |