



Shop Order-00-10-15: Unclassified

Millstream, NB - 4 Dr SM Pumper/Tanker
Room 205, Marysville Place
20 McGloin Street
Fredericton, NB E3A 5T8

Exp. Date: 10/31/2014
Quote No: EMINB-0009
Job/Order No: 18239

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

02/10/2017

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| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|--|----------|-------------|---|----------|------------|
| == Metalfab Pumper - ULC 05/13 - 0.000 == | | | | 1 | MTL |
| | S | | Change Order B | 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 |
| 00-20-2100 | S | | Plant Inspection Visits | 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 |
| 10-11-0105 | | | Vehicle Data Recorder not requested | 1 | MTL |
| 10-11-1100 | S | | ELC S515-13 Compliance | 1 | MTL |
| 10-11-1500 | | > | ULC Testing - Pumper | 1 | MTL |
| 10-11-2100 | S | | Maximum length - 438.5" | 1 | MTL |
| 10-11-2200 | S | | Maximum height - 122.5" | 1 | MTL |
| 10-11-2400 | | | Overall length is 30' or more | 1 | MTL |
| 10-11-2500 | | | General Construction | 1 | MTL |
| 10-11-3000 | S | | Manuals - three copies | 1 | MTL |
| 10-11-3600 | S | > | Delivery - FOB Fire Department | 1 | MTL |
| 10-11-4300 | S | | Payment Terms - Chassis and Body NET 30 | 1 | MTL |
| 10-20-1000 | | | Hose bed capacity - standard ULC Pumper | 1 | MTL |
| 10-20-2000 | | | Equipment carrying capacity - standard ULC Pumper | 1 | MTL |
| 10-99-05AA | U | | Three Sets of Approval Drawings Before Construction | 1 | |
| CHASSIS INFORMATION | | | | 1 | MTL |
| 20-11-1000 | S | | Chassis supplied by Metalfab - International 7400 | 1 | MTL |
| 20-11-1500 | | | 2013 Emission chassis modifications | 1 | MTL |
| 20-11-1700 | | | Chassis Motor Vehicle Inspection required - NB | 1 | MTL |
| | | | E | | |
| 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 |
| 20-21-1550 | | | Tire Pressure Indicators not requested | 1 | MTL |
| 20-21-1600 | | | Apparatus Information Label | 1 | MTL |
| 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 |

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|-------------------|---|----------|---|----------|------------|
| 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 |
| 20-31-1000 | | | Alum tread fuel tank trim, Conv - 4 door | 1 | MTL |
| 20-31-1900 | | | Chassis cab not painted E | 1 | MTL |
| 20-31-7500 | | | Console in cab | 1 | MTL |
| 20-41-0500 | | | Intake air shutoff for engine E | 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 |
| 20-41-1900 | | | Battery boost terminals with chassis E | 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 |
| 20-51-3500 | | | Air outlet | 1 | MTL |
| 20-51-4000 | | | Auto eject for air inlet - LS | 1 | MTL |
| 20-51-5600 | S | | Flashing headlights w/ daytime running lights - with chassis | 1 | MTL |
| 20-51-6500 | | | Kussmaul Autocharge 1000 battery conditioner w/battery saver | 1 | MTL |
| 20-51-7102 | S | | Electric System Management included with chassis - Diamond Logic | 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 |
| 20-51-9110 | | | Air horns on hood, chassis OEM switch controlled E | 1 | MTL |
| 20-52-3500 | | > | Chassis steering wheel lined up by Metalfab E | 1 | MTL |
| 20-52-4000 | | | Rear View Camera system | 1 | MTL |
| 20-60-0400 | | | Chassis wheelbase does not change | 1 | MTL |
| | | | PUMP AND PLUMBING | 1 | MTL |
| 30-11-5600 | | | Hale QFLO Single stage 1050 IGPM | 1 | MTL |
| 30-12-3300 | | | Mechanical seal for Hale QFLO/QPAK pumps | 1 | MTL |
| 30-15-0104 | | | Plumbing - Hale manifold pump SM SS E | 1 | MTL |
| 30-20-0500 | | | Valves and controls - side mount panel | 1 | MTL |
| 30-20-1001 | | | Valve brand not specified E | 1 | MTL |
| 30-20-1600 | | | Piping stainless steel - general | 1 | MTL |
| 30-20-1700 | S | | 1-1/2" thread specifications - Red Head Storz | 1 | MTL |
| 30-20-1800 | S | | 2-1/2" thread specifications - Red Head Storz | 1 | MTL |
| 30-20-2000 | | | Piping hydrostatic test | 1 | MTL |
| 30-20-2500 | | | Anodes in suction and discharge piping | 1 | MTL |
| 30-21-8510 | | | Tank to Pump 4" butterfly valve SS, handwheel control, check valve manifold pump | 1 | MTL |
| 30-22-2020 | | | Tank Fill valve 3" SS | 1 | MTL |
| 30-31-4010 | S | | Suction - 6" each side manifold pump | 1 | MTL |
| 30-31-5100 | S | | Suction - 5" SS piping to rear - 6" connection | 1 | MTL |
| 30-31-7200 | | > | Hale master intake suction valve - electric control | 3 | MTL |
| 30-32-7530 | | | Suction - 2-1/2" left side SS, bleeder, Hale manifold pump | 1 | MTL |
| 30-32-8030 | | | Suction - 2-1/2" right side SS, bleeder, Hale manifold pump | 1 | MTL |
| 30-40-2020 | | | 4" right discharge SS, plumbed 3", Hale manifold pump | 1 | MTL |
| 30-41-2020 | | | 2-1/2" RS discharge SS, bleeder, Hale manifold pump | 1 | MTL |
| 30-41-2520 | | | 2-1/2" LS discharge SS, bleeder, Hale manifold pump | 2 | MTL |
| 30-43-1520 | | | 2-1/2" rear discharge SS, plumbed 2-1/2", bleeder | 2 | MTL |
| 30-44-0520 | | | 1-1/2" crosslay (each) SS, 2" valve, bleeder | 2 | MTL |
| 30-44-6520 | | | Piping for monitor SS, plumbed 3", bleeder | 1 | MTL |

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|------------|---|----------|--|-----|-----|
| 30-51-0500 | | | <i>Pump shift-Midship air</i> | 1 | MTL |
| 30-51-0700 | | | Pump Gearbox mounted manual over ride for pump shift | 1 | MTL |
| | | | E | | |
| 30-51-6640 | | | <i>Class One "TPG Plus" Governor/Throttle</i> | 1 | MTL |
| 30-51-7000 | S | | <i>Suction side relief V/V, manifold pump</i> | 3 | MTL |
| 30-51-7700 | | | <i>Primer Hale oil less ESP with oil tank Hale</i> | 1 | MTL |
| 30-51-7800 | | | <i>Pre Primer for gated suction Hale primer</i> | 1 | MTL |
| 30-51-8100 | | | <i>Heat exchanger included with chassis</i> | 1 | MTL |
| 30-52-1000 | | | Master drain V/V, 12 port | 1 | MTL |
| 30-52-2000 | | | <i>Drain valve for foam system header</i> | 1 | MTL |
| 30-52-5510 | | | <i>Foam system-Hypro FoamPro 2001 Single Tank</i> | 1 | MTL |
| 30-52-8100 | | | <i>Electric foam fill pump with panel pickup</i> | 1 | MTL |
| 30-52-9000 | | | <i>Foam Tank drain</i> | 1 | MTL |
| 30-52-9100 | | | <i>Foam concentrate label at foam tank fill</i> | 1 | MTL |
| 30-52-9200 | | | <i>Foam System Instruction Plates</i> | 1 | MTL |
| 30-52-9400 | | | <i>NFPA Foam System certification test</i> | 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 |
| 40-11-7000 | | | <i>Tank capacity 2000 Imperial Gallons</i> | 1 | MTL |
| 40-12-4500 | | | <i>Foam cell - 20 Imperial gallon</i> | 1 | MTL |
| 40-21-1000 | | | <i>4" tank to pump connection</i> | 1 | MTL |
| 40-22-1500 | | | <i>3" tank fill connection</i> | 1 | MTL |
| 40-23-0500 | | | 1" water level gauge connection | 1 | MTL |
| 40-23-1000 | | | <i>1" foam level gauge connection</i> | 1 | MTL |
| 40-23-1050 | | | <i>4" Fireman's Friend connection</i> | 1 | MTL |
| 40-23-1060 | | | <i>10" Newton dump connection</i> | 1 | MTL |
| 40-30-0500 | | | <i>Sump drain valve (3" gate valve) with linkage</i> | 1 | MTL |
| | | | E | | |
| 40-30-1100 | | | <i>Water Fill Box middle left side</i> | 1 | MTL |
| 40-31-3500 | | | <i>10" rear Newton dump, stainless steel</i> | 1 | MTL |
| 40-31-3600 | | | <i>Newton dump - stainless steel 36" telechute</i> | 1 | MTL |
| 40-31-5500 | | | <i>Electric operator for Newton dump</i> | 1 | MTL |
| 40-31-5600 | S | > | <i>Rotating dump chute for Newton dump Stainless Steel</i> | 1 | MTL |
| 40-31-5800 | | | <i>Support for rotating dump chute if necessary</i> | 1 | MTL |
| 40-31-9000 | | | <i>4" Storz rear fill, Fireman's Friend</i> | 1 | MTL |
| | | | ELECTRICAL | 1 | MTL |
| 50-11-0450 | | | <i>Base electrical system - International Diamond Logic multiplex</i> | 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 | | | <i>Rocker switch panel with master warning switch</i> | 1 | MTL |
| 50-11-1400 | S | | <i>Whelen Siren 200 Watt, Self-Contained, Removable Microphone</i> | 1 | MTL |
| 50-11-1625 | | | <i>Siren speaker, 100 watt, behind chassis grille</i> | 1 | MTL |
| 50-11-2600 | | | <i>Siren to be accessible to driver and officer</i> | 1 | MTL |
| 50-11-5809 | | > | <i>Federal JetSOLARIS 5450 LED light bar red/white</i> | 1 | MTL |
| 50-11-6501 | | | Rear Directional Light not required | 1 | MTL |
| 50-11-9010 | | | <i>Rear beacons-Federal Micro Escape LED (pr) - both red</i> | 1 | MTL |
| 50-12-5020 | | | <i>Front LED flashers (pr)-red Federal QL64XF-R</i> | 1 | MTL |
| 50-12-5110 | | | <i>Rear LED flashers (pr)-red Federal QL64XF-R</i> | 1 | MTL |
| 50-12-5210 | | | <i>Front side inter lts (pr)-red LED Federal QL64XF-R</i> | 1 | MTL |
| 50-12-5310 | | | <i>Body side inter lts (pr)-red LED Federal QL64XF-R</i> | 1 | MTL |
| 50-12-5410 | | > | <i>Additional body side inter lts (pr)-red LED Federal QL64XF-R</i> | 1 | MTL |
| 50-21-1520 | U | | <i>Rear floods (pr) - Unity LED or equivalent</i> | 1 | |
| 50-21-2540 | | | <i>FRC telescoping SPECTRA LED 12V flood (ea)</i> | 2 | MTL |
| 50-21-3010 | S | > | <i>Remote control electric spot (ea) Visibeam - wireless control</i> | 1 | MTL |
| 50-21-5100 | | > | <i>Compartment lighting - LED tube lights in each compartment (rollup doors)</i> | 1 | MTL |

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|------------|---|----------|--|-----|-----|
| 50-21-5500 | | | Door Ajar warning light | 1 | MTL |
| 50-21-5550 | | | Equipment rack not stowed warning light | 2 | MTL |
| 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 |
| 50-31-6560 | | | 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 | 2 | MTL |
| 50-35-0560 | | | VHF antenna with base - commercial chassis | 1 | MTL |
| 50-35-0570 | | | UHF antenna with base - commercial chassis | 1 | MTL |
| 50-99-05AA | U | | Cell Phone Booster | 1 | |
| 50-99-10AA | U | | Hose bed cover lights | 1 | |
| | | | 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 |
| 60-11-0200 | > | | Front left side compartments intermediate height | 1 | MTL |
| 60-11-0600 | > | | Front right side compartments intermediate height | 1 | MTL |
| 60-11-0900 | > | | Rear left side compartments intermediate height | 1 | MTL |
| 60-11-1300 | > | | Rear right side compartments intermediate height | 1 | MTL |
| 60-11-1900 | > | | Low side compartment (up to 18") each | 4 | MTL |
| 60-11-3100 | | | No rear compartment E | 1 | MTL |
| 60-11-4000 | > | | Surface mount aluminum door | 4 | MTL |
| 60-11-5510 | | | Rollup door - intermediate height | 4 | MTL |
| 60-11-5530 | | | Rollup door - to enclose pump panel | 1 | 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 |
| 60-31-5800 | | | Special step over rear dump | 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 | 4 | MTL |
| 60-31-9600 | > | | Adjustable shelf (ea) | 4 | MTL |
| 60-32-3560 | | | Three adjustable hose divider (each) | 1 | MTL |
| 60-32-7500 | | | Hose bed - aluminum | 1 | MTL |
| 60-33-0000 | | | Paint exterior - Imron Elite | 1 | MTL |
| 60-33-0200 | | | Undercoat vehicle with KROWN rust protection | 1 | MTL |
| 60-33-0500 | | | Paint chassis wheels job colour with silver trim E | 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 |
| 60-33-4600 | | | Aluminum cover over crosslays - with end tarps (black) | 1 | MTL |
| 60-33-5000 | | | Aluminum cover over hose bed with end tarps - black E | 1 | MTL |
| 60-40-5500 | | | Suction hose tube (each) with door | 2 | MTL |
| 60-41-1015 | | | Pike Pole tube in suction hose tube | 2 | MTL |
| 60-41-6001 | > | | Zico hydraulic portable tank rack | 1 | MTL |
| 60-41-6010 | | | ZICO PTS switched at rear above tail light | 1 | MTL |
| 60-41-6090 | | | No tread plate on exterior of ZICO PTS | 1 | MTL |
| 60-41-7090 | | | No tread plate on body behind porta tank rack | 1 | MTL |
| 60-41-9001 | > | | Zico hydraulic Ladder Access system | 1 | MTL |

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| 60-41-9010 | | | ZICO LAS switched at rear above tail light | 1 | MTL |
| | | | E | | |
| 60-41-9100 | | | Manual locking system for LAS | 1 | MTL |
| | | | INSTRUMENTATION | 1 | MTL |
| 70-11-0000 | | | Warning Label on Pump Operator's Panel | 1 | MTL |
| 70-11-0501 | | | Side mount instrument panel with rollup door LS only | 1 | MTL |
| 70-11-1500 | | | Stainless steel instrument panels | 1 | MTL |
| 70-11-3200 | | | Colour coded tags | 1 | MTL |
| 70-11-4500 | S | | Diamondback grip type panel hood step right side | 1 | MTL |
| 70-11-5000 | S | < | Standard cover over rear top of pump house - no storage | 1 | MTL |
| | | | Top of the pump house behind the crosslays is to be a stepping surface to allow loading hose, as the left side of the hose bed is not accessible due to the roll up door. | | |
| 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 | 9 | MTL |
| 70-20-2500 | | | Primer control | 2 | MTL |
| 70-20-3100 | | | Class One Governor Control | 1 | MTL |
| 70-20-3500 | | | Electric water level gauge on pump panel, Class One | 1 | MTL |
| 70-20-3610 | | | Remote PSTANK water level indicators each side, rear with driver | 1 | MTL |
| | | | E | | |
| 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 |
| 70-21-5500 | | | Panel readout for Battery Conditioner | 1 | MTL |
| 70-99-10AA | U | | Low Voltage Alarm | 1 | |
| | | | ACCESSORIES | 1 | MTL |
| 80-11-5000 | | | 6" x 10' lightweight suction hose (ea) | 2 | MTL |
| 80-12-2500 | S | | 6" barrel strainer | 1 | MTL |
| 80-12-45AA | U | | 6" low level strainer with 1-1/2" venturi connection | 1 | |
| 80-13-0500 | | | Rubber mallet | 1 | MTL |
| 80-13-1200 | | | Clare hose wrenches (double) with holder | 3 | MTL |
| 80-13-1500 | | | Bar with bracket | 1 | MTL |
| 80-13-2500 | | | Pike pole, fibreglass handle - 10' long | 1 | MTL |
| 80-13-2510 | | | Pike pole, fibreglass handle - 6' long | 1 | MTL |
| 80-13-4000 | | | Axe, pick head, fibreglass handle and bracket | 2 | MTL |
| 80-14-0500 | | | 24' 2 section extension ladder PEL 24 | 1 | MTL |
| 80-14-5500 | | | 14' aluminum roof ladder PRL-14 | 1 | MTL |
| 80-14-7500 | | | Padded ladder boot - 2 section and roof ladder | 1 | MTL |
| 80-14-8500 | | | 10' aluminum folding attic ladder FL-10 | 1 | MTL |
| 80-14-9000 | | | Attic ladder bracket (Zico) | 1 | MTL |
| 80-15-1005 | | | 2500 l gallon portable tank - Husky | 1 | MTL |
| 80-16-1500 | | | Akron 2581 gated wye | 1 | MTL |
| 80-17-0500 | | | 20# dry chemical fire extinguisher and mount | 1 | MTL |
| 80-17-1000 | | | 15# CO2 fire extinguisher and mount | 1 | MTL |
| 80-17-1500 | S | | 2 gallon water extinguisher with mount | 1 | MTL |
| 80-18-0600 | | | SCBA brkt w/strap - ZICO ULLH - crew cab mount | 4 | MTL |
| 80-18-0840 | | | Pistol grip nozzle holder - ZICO NBM-2 | 2 | MTL |
| 80-19-0500 | | | Large folding wheel chock - aluminum (ea) not mounted | 2 | MTL |
| 80-19-0600 | | > | Horizontal bracket for folding wheel chock (ea) | 2 | MTL |
| 80-99-10AA | U | | Air chuck with 25' of 3/8" air hose | 1 | |