

RESOLUTION NO. R21-49

A RESOLUTION OF THE CITY COUNCIL SELECTING MIDWEST FIRE AS THE SUCCESSFUL BIDDER FOR THE CITY'S PURCHASE OF A BRUSH TRUCK.

WHEREAS, the City of Laurel planned to purchase new equipment, specifically a Brush Truck, which was publicly advertised for competitive bids from interested and qualified bidders; and

WHEREAS, City Staff reviewed and considered the bids received and recommends the City Council award the bid to the qualified and responsive bid that appears to be in the City's best interest; and

WHEREAS, Midwest Fire submitted a bid of \$190,586.00 for a Brush Truck that meets the City's specifications. City Staff determined the bid is in the best interest of the City. The Bid documents are attached hereto and incorporated herein.

NOW, THEREFORE, BE IT RESOLVED the City Council of the City of Laurel, Montana, finds that the City has followed its procurement policies and state law requiring competitive bidding; and

BE IT FURTHER RESOLVED the City Council hereby awards the bid to Midwest Fire for its bid price of \$190,586.00. The Mayor and City Clerk are authorized to sign all necessary documents, agreements or contracts on the City's behalf consistent with this resolution for the purchase.

Introduced at a regular meeting of the City Council on July 13, 2021, by Council Member Herr.

PASSED and APPROVED by the City Council of the City of Laurel this 13th day of July 2021

APPROVED by the Mayor this 13th day of July 2021.

CITY OF LAUREL


Thomas C. Nelson, Mayor

ATTEST:


Bethany Langye, Clerk-Treasurer

Approved as to form:


Sam Painter, Civil City Attorney



LAUREL FIRE

215 WEST 1ST STREET • LAUREL, MT • 59044
OFFICE 406.628.4911 • FAX 406.628.2185

Laurel City Council
Re: Type 5 Wildland (brush) Truck

June 25, 2021

Laurel City Council,

A Sealed Open Bid Process was completed on June 25, 2021, at 9:00 a.m. in the City Hall conference room. Those that were present was Council Secretary Brittney Moorman, City Clerk/ Treasurer Bethany Langve, and Fire Chief Brent Peters.

The bid advertisement was posted on the City of Laurel website and in the Yellowstone County News newspaper beginning Friday June 11, 2021, and again June 18th, 2021. Sealed Open Bids deadline was June 25, 2021, at 9:00 a.m.

The major specifications are for a new Type 5 wildland truck.

- Ford F-550 super cab 4x4 with a 7.3-liter gas engine; red in color.
- 500-gallon water tank with injected foam capabilities; 18- 24 hp pump; hose reels and bumper turret.
- LED 360-degree emergency lighting.
- Storage for tools, supplies and equipment.

During the sealed bid opening one bid was presented. The bid received was from Midwest Fire in Luverne, Minnesota. The build price is for the amount of \$190,586.00. This bid met and exceeded all the requirements in the advertised bid documents.

It is my request and recommendation that we proceed awarding Midwest Fire the contract to build the Type 5 Wildland truck according to the specifications presented in the bid for the City of Laurel and the Laurel Volunteer Fire Department. This truck will replace a 1987 Ford 1 ton Brush Truck and will be a great addition to fire operations not only in the City of Laurel but the surrounding contracted district.

Thank you for your time and consideration.

Brent S. Peters
Fire Chief, Laurel Fire Department

WHEN THE BATTLE RAGES, TRUST MIDWEST FIRE.

MIDWEST FIRE

Midwest Fire strives to deliver high-quality trucks, exceptional customer service, and great relationships with their customers.

Since 1987, Midwest Fire in Luverne, Minnesota has worked alongside firefighters, designing and manufacturing products that save lives and protect vast amounts of property.



“ We had other choices, but chose Midwest Fire for several reasons. It was a no-brainer for us to go with Service, Quality, and Price.

”
Captain, Chad Cole,
Zionville Volunteer Fire Dept.

Our customers often have unique requests specific to their firefighting needs. Midwest Fire is known for customized solutions. We build to the highest level of quality and craftsmanship. We believe each truck that leaves our facility carries along with it, our reputation. But our mission doesn't end there – we also provide efficient and reliable service after the sale. To learn more, call 1.800.344.2059.

SALES TEAM

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Jeff Bowen
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Account Representative

Joseph Juhl
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LEADERSHIP

Sarah Atchison
sarah@midwestfire.com
President & CEO



MGACBuy
THE BEST PERFORMANCE SOLUTION

MidwestFire.com 1.800.344.2059

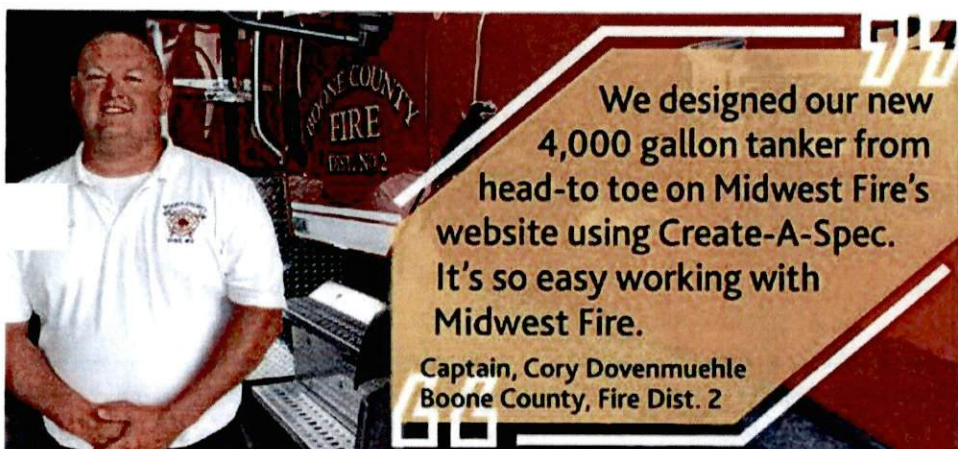
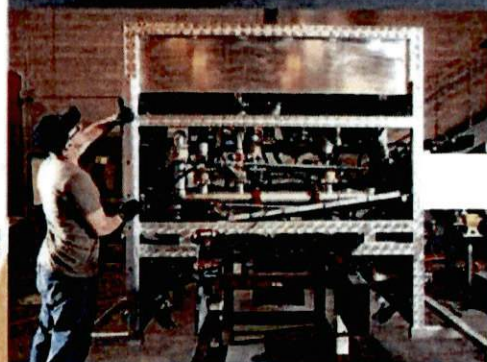


“CREATE-A-SPEC” lets you design your own CUSTOM FIRE TRUCK

Found on our website, Create-A-Spec allows you to customize your firefighting vehicle to fit your needs.

Start with our exclusive All-Poly® tank and body. Made from high quality, ¾” copolymer polypropylene and more impact resistant than steel or aluminum, our All-Poly® tanks and bodies are constructed with leak-proof extrusion welds that are guaranteed never to rust or corrode.

Capable of holding up to 4,000 gallons and built with a low center of gravity means that you will deliver large amounts of water safely and efficiently. Better yet, All-Poly® tanks and bodies **come with a lifetime warranty**. Midwest Fire also builds Galvanneal, Stainless Steel and Aluminum bodies that come with a 10-year body warranty.



We designed our new
4,000 gallon tanker from
head-to toe on Midwest Fire's
website using Create-A-Spec.
It's so easy working with
Midwest Fire.

Captain, Cory Dovenmuehle
Boone County, Fire Dist. 2

Overview

- Proud Legacy of working with firefighters and EMS
- A contractor with HGACBuy
- Reliable service and competitive warranties for each truck
- 33,000 square foot facility that includes fabrication, assembly, paint and repair
- Highest Level of quality and craftsmanship made in the USA

Key Strengths

- We work directly with customers to keep costs down
- We communicate well throughout the entire sales and manufacturing process
- We specialize in customizing your apparatus to fit your firefighting needs
- All-Poly® tanker-pumpers in stock and ready for delivery

FEATURED UNITS – Visit MidwestFire.com for a complete inventory.

All-Poly® Series Quick Attack



Midwest Fire Brush Truck



All-Poly® Series 2000/3000



All-Poly® Series Pumper

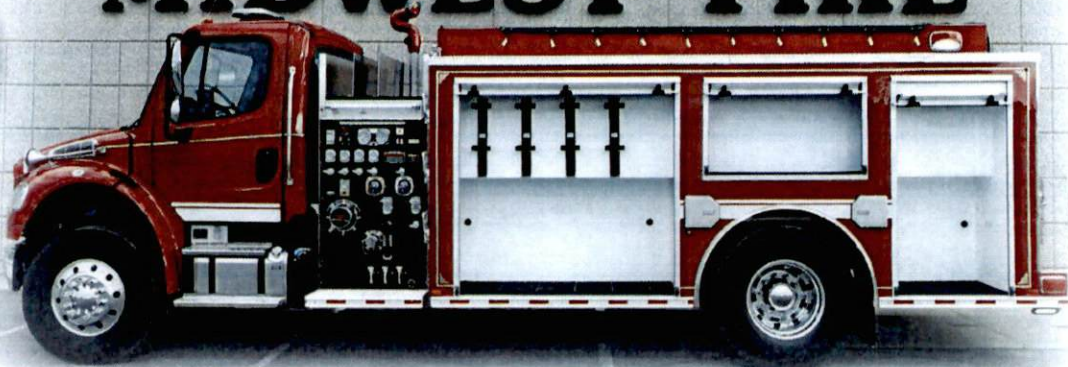


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MIDWEST FIRE
The Poly Experts

Industry Leader
in All-Poly[®]
Construction

MIDWEST FIRE



WHAT IS ALL-POLY[®]?

The entire tank and body is fabricated from a non-corrosive, stress-relieved virgin copolymer polypropylene thermoplastic material, or poly for short.

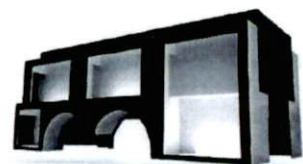
High Quality Construction: Welded as one complete structure, the tank and body have all-exterior tank joints and the seams are extrusion welded. All welds conform to DVS and AWS standards. All joints, seams, and welds are tested for integrity and are certified to be free from defects.

BENEFITS OF ALL-POLY[®]

- **Rust-Proof & Corrosion-Proof**
 - The Poly body material eliminates the need for undercoating and lockers do not require a protective spray-in liner
 - The Poly body material is non-corrosive and is frequently used for storing acids in other applications
- **T-style Tanks**
 - Lower center of gravity, safer handling
- **Durability & Strength**
 - Bodies are impact-absorbing, lessens damage caused by accidents and collisions which reduces out-of-service time and protects personnel
 - Material thickness provides a tough puncture proof exterior
 - Thicknesses range from 1/2" - 3/4" thick sides, top, and rear walls, 3/8" - 1/2" thick internal baffling
- **Full Customization:** All-Poly[®] bodies can be designed for any application
- **The Poly Tanks** are nonconductive and are resistant to electrolysis
- **The Poly Body** material eliminates possibilities of dissimilar metal contact caused by galvanic reaction

Aside from its rust-proof, corrosion-proof, and lightweight design... What truly sets the All-Poly[®] Series bodies apart are their **LIFETIME** transferable tank and body warranty.

* Visit Our Deliveries Page Online to See More Trucks!



T-Style ALL-POLY[®] Tank & Body

Thickest body wall in the industry
(3/4 compared to our competitors 1/2)

Materially Unbreakable

Up to 4,000 Gallons




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PURCHASE CONTRACT

June 25th, 2021

City of Laurel Fire Department
215 W. 1st Street
Laurel, MT 59044

Dear Customer:

We hereby propose and agree to furnish, after your acceptance of this proposal and the proper execution by: _____ (“Customer”) and an officer of Midwest Fire Equipment & Repair Co. (“Midwest Fire”) the following apparatus and equipment:

One (1) 500 Gallon Aluminum Flat Bed Brush Truck and New Ford F-550 Super Cab Gas 4x4 Chassis

All of which are to be built in accordance with the specifications, clarifications and exceptions attached, and which are made part of this agreement and contract, to be completed same in: 260 business days after receipt of truck chassis by Midwest Fire, subject to all causes beyond our control.

Apparatus Proposal Price	\$	137,919
Chassis Proposal Price	\$	52,667
Apparatus & Chassis Proposal Price	\$	190,586
Total Proposal Price:	\$	190,586.00

FIGHT FIRE *WITH* FIRE – MIDWEST FIRE

Customer shall be responsible for taking possession of the apparatus and/or equipment at the Midwest Fire location in Luverne, Minnesota, unless otherwise agreed to in a writing signed by Midwest Fire and Customer.

Terms:

A deposit in the amount of: \$5,267 (10% of the value of the Chassis) shall be paid within 10 business days upon acceptance of this Proposal by the Customer.

The balance of the value of the chassis: \$47,400 shall be paid within 10 business days of Midwest Fire receiving formal notification that chassis is complete from the OEM.

Customer shall be responsible for paying the net cash balance upon acceptance of apparatus.

The amounts in this proposal shall remain firm for a period of 30 days from date of same. Proceeding contract deadline date, all pricing and terms are subject to change upon review.

Change Orders:

Any change to the apparatus and/or equipment after the contract is signed will require a change order. After the freeze date has been communicated by Midwest Fire to the Customer, any change will be subject to a minimum change order fee of \$150 (processing, engineering changes, documentation), plus the change order cost. Any returned parts may be subject to a restocking fee, and depending on the lead time of items included on the change order, the completion date of the apparatus may change.

Binding Effect: This contract shall be binding upon and inure to the benefit of the parties hereto and their respective successors, assigns, heirs, and beneficiaries.

Governing Law: This contract shall be governed by the laws of the State of Minnesota.

Jurisdiction and Venue: Any claims, causes of action, disputes, legal proceedings, or litigation arising between the parties arising under or in connection with this contract or the formation thereof shall be brought solely in Rock County, Minnesota. Customer, by entering into this contract, hereby submits and consents to jurisdiction in the State of Minnesota.

Exclusion of Warranties: EXCEPT AS OTHERWISE PROVIDED TO CUSTOMER IN WRITING, THERE ARE NO OTHER WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS CONTRACT, AND CUSTOMER ACCEPTS APPARATUS AND/OR EQUIPMENT "AS IS."

FIGHT FIRE WITH FIRE – MIDWEST FIRE

Respectfully submitted,

Sarah J. Atchison

Sarah J. Atchison
President & CEO
Midwest Fire Equipment & Repair Company

We, the Customer, agree to accept the above proposal and hereby enter into the purchase contract with signature below:

Customer/Business Name (please print)

Business Address

Printed Name

Signature

Date

Title

ORIGINAL

FIGHT FIRE WITH FIRE – MIDWEST FIRE

NOTICE

FINAL SPECIFICATIONS: Attached you will find the final & comprehensive specifications for your truck. Read them carefully. This document serves as formal notice that the attached specifications provide the entire scope of work & design for the truck that Midwest Fire Equipment & Repair Company (Midwest Fire) is manufacturing for you. Any & all equipment, features, accessories, mounts, graphics, etc. to be included with your truck is/are detailed in this final specification document.

CHANGE ORDERS: The attached specifications are final & comprehensive. The project design for this truck is officially frozen (Design Freeze) as of this date. **Any future changes must be mutually agreed upon through an official written Midwest Fire Change Order, executed (signed) by both Midwest Fire & the purchaser. Further, the purchaser understands that any future design changes may impact both project cost and timeline.** Purchaser will hold Midwest Fire harmless from any potential liability incurred as a result of project delays resulting from any Change Orders.

IF THE EQUIPMENT/ITEM/FEATURE IS NOT DETAILED IN THE SPECIFICATIONS FOR YOUR TRUCK AND YOU DO NOT HAVE A CHANGE ORDER, SIGNED BY BOTH YOU & MIDWEST FIRE, DETAILING THE CHANGE/ADD OF THE EQUIPMENT/ITEM/FEATURE FOR YOUR TRUCK, IT WILL NOT BE INCLUDED ON YOUR TRUCK.

FINAL PAYMENT, TRANSFER OF OWNERSHIP & TRAINING: The Purchase Contract states clearly that:

- 1) at the conclusion of your project & prior to taking possession, you will pay the balance remaining on the purchase price of your truck, in full.**
- 2) you will take physical possession of the truck & receive any & all training on the operation of your truck at the Midwest Fire facility in Luverne, Minnesota.**

I hereby acknowledge that I have received & fully understand the above information.

Purchaser

Date

FIGHT FIRE WITH FIRE – MIDWEST FIRE



MIDWEST FIRE.

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Exceptions to Bid

Exception to 12,000 lb. winch – The winch will be rated at 9,500 lb.

Time of Completion: Production timeline will be from 12 months – 16 months from awarded date of contract.



MIDWEST FIRE®

500 Gallon Brush Truck Specifications

Prepared for: Laurel Volunteer Fire Department

Laurel, MT

Midwest Fire Rep: Newt Johnson

June 25th, 2021

QMS-WIN-022 Rev L

Notes:

6.25.21, SPECS, 500 gallon Brush Truck, F-550 Ext. Cab 60CA

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Date	Change Order #	Op Number	Description	Rev

6.25.21, SPECS, 500 gallon Brush Truck, F-550 Ext. Cab 60CA

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SECTION 1: WATER TANK

1.00 Tank

The tank shall be constructed of 1/2" thick high-impact, polypropylene sheet stock. The material shall be of a certified, high quality, non-corrosive, stress relieved thermoplastic, black in color, and UV stabilized for maximum protection.

The tank shall have a combination vent and manual fill tower. The fill tower shall be constructed of 1/2" polypropylene and shall have a standard dimension of 8" Round x 8" high with a molded cover. The tower shall be located on the curb side rear corner of the tank. Inside of the fill tower approximately 2" down from the top shall be fastened a combination vent/overflow pipe which shall be of standard schedule 40 polypropylene pipe with minimum ID of 4" designed to run vertically through the tank. The transverse swash partitions shall be manufactured of 3/8" polypropylene which shall interlock with a longitudinal partition constructed of 1/2" polypropylene.

The tank will include:

- One (1) liquid level gauge with a clear sight tube and to be located at passenger's side rear wall of the tank.
- One (1) 1/4" deep X 6 1/2" diameter recess in floor to act as sump.
- Two slotted mounting pads on top of tank for mount addition equipment.
- There shall be a 3/4" FNPT female tank drain located on the rear tank wall.

1.00.2745 500 Gallons – 64L" x 47W"

1.01 Foam Tank

Foam Tank, there shall be a drop-in foam tank to accommodate the use of the foam system.

1.01.02 12-gallon, 2CE

THE TANK WILL CARRY A LIFETIME WARRANTY FROM ITS MANUFACTURER

SECTION 2: BOOSTER TANK PIPING, FILLS, & GAUGES

2.02 Tank Level Gauge

- One (1) pressure transducer mounted on the outside of the tank in an easily accessible area. Sealed foam tanks (if so equipped) will require zero pressure vacuum vents.
- Super bright LED display viewable from 180 degrees with a visual indication at multiple accurate levels.
- Weather resistant connectors to connect to the digital display, the pressure transducer, and the apparatus power. Additional displays are easily integrated and will receive data from the same source as the Master Display; no additional transducers required.
- Tank level gauge indicates the liquid level on easy-to-read LED display.

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- 2.02.04 One (1) Innovative Controls SL Series Plus Water Tank Level Gauge
 - 2.02.04.01 Installed on the pump panel. –Master
- 2.02.05 One (1) Innovative Controls SL Series Plus “Mini” Water Tank Level Gauge
 - 2.02.05.01 Installed on the center console. – Needs Master
- 2.02.07 One (1) Innovative Controls SL Plus Series Foam Tank Level Gauge
 - 2.02.07.01 Installed by the pump panel.

2.03 Spanner Wrenches

One (1) adjustable hydrant wrench and two (2) spanner wrenches with holder.

- 2.03.01 Installed on the street side rear panel.

SECTION 5: FLATBED BODY

5.00 Apparatus Body

The flatbed body is constructed of all aluminum with aluminum stringers running front to back above the frame and C-channels running side to side. The top surface will be tread-plate. An aluminum angle will be welded to the perimeter of the body. The body will be 96” wide and built to accommodate the chassis cab to axle for the best weight distribution possible.

- 5.00.01 119” body length (60” cab to axle)

SECTION 6: FLATBED BODY COMPARTMENTS

6.00 Body Compartments

All compartments are constructed of Aluminum Tread-Brite, and will have a door activated LED compartment light, door restraints, corrosion resistant vents, black Turtle Tile plastic dry decking, and floor drains.

6.01 Transverse Compartment

One (1) full width transverse compartment provided behind the cab on top of the flatbed with one (1) swing up aluminum door on each side, held in the open position with gas struts.

- 6.01.01 Compartment to be 96” wide x 40” tall by 26” wide for a 60” cab to axle.

6.02 Over Wheel Compartment

One (1) compartment above the flatbed to approximately 30” tall x 24” deep. One (1) swing up aluminum door, held in the open position with a gas struts.

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- 6.02.01 60" wide
- 6.02.01.01 Street side
- 6.02.01.02 Curb Side

6.03 Front Lower Compartment

Compartment under the flatbed ahead of the rear wheels.

- 6.03.01 A swing forward vertical hinged door with a single point latch compartment size 30" wide x 18" tall x 16" deep (60" CA)
- 6.03.01.01 Street side
- 6.03.01.02 Curb Side

6.04 Rear Lower Compartment

Compartment under the flatbed behind of the rear wheels.

- 6.04.01 A swing forward vertical hinged door with a single point latch, compartment size 32" wide x 18" tall x 16" deep (60" CA)
- 6.04.01.01 Street side
- 6.04.01.02 Curb side

6.07 Dunnage Box

Dunnage box on the side of the body above the compartments, made of aluminum tread brite, with rubber tile installed in the bottom. This area will be 10" tall x 21" wide. This area will be open to the top and enclosed on all four side to securely house cargo and misc. equipment. Ventilation slots will be provided on each side.

- 6.07.03 Dunnage Box to be located on the street side, extending the length of the body.
- 6.07.04 Dunnage Box to be located on the curb side, extending the length of the body.
- 6.07.06 Two (2) Velcro straps installed on top sides of dunnage box to secure cargo.
 - 6.07.06.01 Straps on street side
 - 6.07.06.02 Straps on curb side

6.08 Compartment Options

- 6.08.00 Locking Doors, Qty (8)
Compartments will be equipped with a lock to secure cargo in the compartment.

- 6.08.01 Adjustable shelf
One (1) adjustable shelf made of 3/16" smooth aluminum, installed with Unistrut adjustable brackets in the compartments. Shelves will be made to the depth of the compartment they are positioned in and full width of door opening unless specified otherwise.

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6.08.01.02 Over Wheel, Half Width of Door Opening, Street Side

6.08.02 Slide-Out Shelf

One (1) slide-out shelf, made of 3/16" smooth aluminum, mounted to the floor of the compartment, equipped with roller bearing sliding mechanisms that are lockable in both the "In" and "Out" positions. White reflective tape installed on edge surfaces that extended past the body of the apparatus. Shelves will be made to the depth of the compartment they are positioned in and full width of door opening unless specified otherwise.

6.08.02.05 Full Transverse, 1000 lbs., 70% extension

6.08.08 SCBA Brackets (30 Min 2216/45 Min 4500)

SCBA brackets, Zico model #KD-UN-6-SF, mounted in the compartment. For use with most 30 Min 2216 PSI and 45 Min 4500 PSI tanks.

6.08.08.04 Over Wheel, Curb Side, Qty (4)

SECTION 7: RUNNING BOARDS, & REAR STEP

7.00 Running Boards & Chassis Steps

7.00.06 OEM Chassis Running Boards, one (1) set of running boards, provided by the manufacturer installed on the chassis for ease of entry.

7.02 Rear Step

An 8" deep aluminum tread plate step is provided at the rear of the flatbed.

SECTION 8: GRAB RAILS & FOOTSTEPS

8.00 Grabs Rails

The grab rails are made of 1 ¼ " diameter extruded aluminum tubing with knurled finish and chrome plated stanchion brackets.

8.00.01 Rear Grab Rails

Grab rails provided at the rear, for access into the flatbed.

8.00.01.02 One (1) Grab Rail, Street Side

8.00.01.03 One (1) Grab Rail, Curb Side

8.01 Pull-Out Access Steps

8.01.05 Rear Pull-Out Steps

Large aluminum pull-out steps below the rear step. Zico part number PS-8-5.

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- 8.01.05.01 One (1), Curb Side
- 8.01.05.02 One (1), Street Side

8.01.06 Front Pull-Out Steps

Large aluminum pull-out steps below the front compartment. Zico part number PS-8-5.

- 8.01.06.01 One (1), Curb Side
- 8.01.06.02 One (1), Street Side

SECTION 9: ELECTRICAL EQUIPMENT

9.00 Apparatus Electrical

- Electrical Wiring

The electrical compartment to be installed in the chassis cab. The body and chassis shall be wired as independent modules and connected as a completed unit at the final assembly via electrical connectors located in the electrical compartment. Seals shall be provided on each individual wire and the assembly. All wiring for the apparatus body shall be within a temperature resistance harness. All wires in each harness shall be color-coded. Wiring shall be run along structural rails and tied in a neat and orderly manner. A backup alarm will be wired into the reverse circuit to sound when the vehicle is placed in reverse. The key on position energizes a relay which acts as the master switch connecting the apparatus to the battery system, eliminating power drain while the truck is not in use.

- Overload Protection

The apparatus circuits requiring load protection shall utilize sealed relays and automatic reset circuit breakers.

9.01 DOT Lighting Details

- A total of seven (11) LED clearance lights and seven (7) red LED lights installed at the rear.
- Four (4) amber LED lights are installed on the front street and curb sides.
- Reflectors are installed per DOT specifications.
- A red warning light visible to the driver in the chassis cab that illuminates when a compartment door is ajar/open.
- An illuminated license plate bracket installed at rear.

9.02 Lower-Level Rear Lighting

9.02.03 LED Taillight Package

Two (2) LED stop/tail/turn and white LED backup lights installed at the rear.

9.03 Antenna

9.03.02 Customer Supplied Antenna

Customer's antenna installed.

9.04 Camera System

9.04.01 Rear view camera

One (1) rear view camera system installed. Camera system includes a colored wide-angle rear mounted camera and 7" monitor mounted in the center of the vehicle's dashboard unless specified otherwise. Automatically activated when truck is put in reverse.

9.04.01.02 Rear View camera

9.06 Power Distribution Options

9.06.06 12V Power Strip

A 12V Battery Power, 6 position overload/short protected terminal strip will be installed in the front sill of the compartment unless specified otherwise.

9.06.06.09 Center Console, Inside

SECTION 10: EMERGENCY SIREN & LIGHTING EQUIPMENT

10.00 Apparatus Controls

10.00.03 Center Console

Console installed between driver and passenger seats.

10.00.10 Center Console Options

10.00.10.04 Cup Holders, two (2)

Cup holders installed in console between driver and passenger seats.

10.00.10.05 Interior Binder Pocket

An interior binder pocket will be installed in console. Pocket will have one divider.

10.01 Light Bars

10.01.01 Whelen model JE2NFPA Justice Series light bar

Whelen model JE2NFPA Justice Series, Super-LED low-profile, 56" long. Covers front and front side zones. The light bar has four (4) linear corner modules with nine (9) Super-LED light heads per module, and six (6) CON3 modules with three (3) CON3 Super-LED light heads per module.

10.01.01.01 Mounted on the chassis cab.

10.02 Sirens:

10.02.04 Whelen Siren

Whelen Siren 200-watt, Class A electronic siren, mounted in the chassis cab in a location convenient to the driver. The electronic siren includes a 9-Switch Light Control (three (3) position slide switch and six (6) Push On/ Push Off switches) with 17 Scan-Lock™ Siren Tones, and hard-wired microphone. The siren control is lighted for easy night operation. Cast aluminum speaker available with three (3) siren mounting locations.

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10.02.04.01 Whelen 295SLSA6 siren w/speaker mounted center of heavy-duty front bumper

10.04 Lower-Level Lights

10.04.03 Front/Rear Whelen SurfaceMax C6 Series

Two (2) Whelen SurfaceMax C6 series LED lights with black bezels mounted on the front and two (2) mounted on the rear. Lights will have clear lenses.

10.04.03.01 Front/Rear Flashers, Red, C6 Series

10.05 Intersection Lights

All lights mounted a minimum of 18" above the ground and no higher than 60". One (1) positioned on the front quarter panels, and one (1) on the body rail at the rear. Lights will have clear lenses.

10.05.01 Intersection, Red, SurfaceMax C6 Series, Two (2) each side

10.06 Upper-Level Warning

10.06.03 Side/Rear Whelen M6V2R Series Upper Flashers

Whelen M6V2R Series LED Flasher are on each side and rear of the body. Lights will include a chrome bezel. Lights will have clear lenses.

10.06.03.02 Side/Rear Flashers, Red, M6V2R Series, Two (2) each side and one (1) to the rear of each dunnage basket. (Six (6) Total)

10.07 Scene lights

10.07.04 Pump Work Area Lights

There are two (2) Whelen PELCB, 1000 lumen flood lights mounted on the rear dunnage baskets pointing inward towards the pump area. The lights shall be controlled from a unit mounted switch.

10.09 Ground Lights

10.09.01 Four (4) ground lights

There are four (4) LED ground lights installed to illuminate the area below the apparatus. Two (2) lights are installed below the front body, and two (2) lights are installed below the rear step area. Grounds lights will be activated when vehicle is placed in park.

10.10 Accessory Lights

10.10.2746 Whelen DUO Traffic Advisor

Whelen TADF6 rear DUO color traffic advisor red/amber and blue/amber lights. 6 Modules.

SECTION 11: LETTERING, STRIPING, AND SIGNAGE

11.01 ID plate

There is a permanent plate located in the center top chassis cab with the following information:

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- Quantity and type of fluids used in the vehicle. This plate includes:
- Engine oil, quantity.
- Engine coolant, quantity.
- Chassis transmission fluid, quantity.
- Pump transmission fluid, quantity.
- Drive axle lubrication fluid, quantity.
- Air conditioning refrigerant, quantity.
- Air conditioning lubrication oil, quantity.
- Power steering fluid, quantity.
- Front and rear cold tire pressure
- Number of personnel the vehicle is designed to carry located in an area visible to the driver.
- Height and length of the vehicle in feet and inches
- Gross vehicle weight rating (GVWR) in pounds

11.03 Vinyl Lettering

- 11.03.01 Provided on the chassis doors.
- 11.03.03 Provided for the customer unit number on the street and curb side chassis fenders.

11.05 Reflective striping

The apparatus body and chassis will have a reflective stripe on each side and the front per NFPA 1901 standards.

- 11.05.01 4" wide white reflective stripe with a 1" wide white reflective stripe spaced approximately 1/2" above on the chassis, and 4" wide red reflective stripe on flatbed rails.
- 11.05.03 White reflective tape inside chassis doors- Per NFPA 1901 standards any door designed to allow persons to enter, or exit has a minimum of 96 square inches of retro-reflective material affixed to the inside of the door.

11.06 Rear Chevron

- 11.06.05 Diamond Grade Pattern, Chevron
The rear area above the tailboard will include red and fluorescent yellow diamond grade pattern chevron retro-reflective striping installed, with each stripe a minimum of 6" wide.

SECTION 12: CORROSION PROTECTION & MUD FLAPS

12.00 Corrosion Protection

All fasteners which are used in aluminum are plated with Magnaguard 560 to prevent galvanic corrosion resulting from dissimilar metals.

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12.01 Mud Flaps

There are two (2) mud flaps installed one (1) behind each of the rear wheels. The mud flaps are constructed of ¼" thick black rubber, with weighted chrome trim at the bottom. Stiffeners are provided when rear lockers are not requested.

SECTION 13: PUMP & PLUMBING

13.00 Engine Driven Pumps

Portable Pumps have the following standard features:

- High-strength aluminum alloy casing and discharge valve
- Aluminum alloy engine adapter
- Bronze impeller and wear rings
- Stainless steel impeller shaft
- Direct drive
- The pump control panel includes an ignition switch, starter button, stop button, and engine throttle.
- The engine will have an oil drain for ease of changing the pump engine oil.
- Pump drain: one (1) pump drain provided to drain the suction side of the pump. The pump drain is controlled from a control handle located directly below the pump compartment.
- An electric fuel pump is installed in all applications to assist in delivering fuel to the engine.

13.00.03 Hale PowerFlow® HPX200-B18 Engine driven Pump

A Hale model HPX200, 18hp Vanguard engine driven pump with the following features:

Pump Ratings:

240 GPM @ 25 PSI

150 GPM @ 100 PSI

70 GPM @ 150 PSI

Engine is a four-cycle air cooled 18 HP, V-Twin, Briggs and Stratton, Vanguard model gasoline engine, with integral fuel pump, 12-volt electric start, and manual start. Pump comes equipped with exhaust primer.

13.00.03.01 The engine driven pump's fuel to be supplied by the chassis fuel tank.

13.00.06 Engine driven Pump Options

13.00.06.01 Tank to Pump

A tank to pump line provided from the water tank to the pump with valve.

13.00.06.01.02 3" line and valve, Hale

13.00.06.03 Tank Fill/Pump Re-Circulating 1" Line

A 1" tank fill/pump re-circulating line provided from the pump to the water tank with a 1" valve and 1" plumbing.

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13.00.06.05 Gated 2 1/2" Suction Line

A 2-1/2" suction pipe provided at the pump for drafting or direct fill. It is equipped with a 2-1/2" NPT male X 2 1/2" NST female chrome plated swivel adapter with screen, and a 2 1/2" chrome plated plug and chain.

13.02 Discharges

Discharges include:

- Industrial grade valves
 - Chrome cap and chain
- 13.02.01 Engine driven Pump Discharges
13.02.01.02 Two (2) 1 1/2" Discharge

13.03 Accessory Discharges

13.03.01 Front Sweeps, Electric

Two (2) 1" discharges plumbed to the front bumper for two (2) sweep style fog nozzles, one (1) on each side of the chassis. The discharges are gated with 1" electric actuated valve(s) and controlled by switch(es) operated from the chassis cab. (Foam, If Applicable)

13.03.01.02 Each sweep controlled by its own respective valve. Two (2) valves total.

13.03.19 Elkhart BrushHawk Electric Monitor

An Elkhart, model 0845, BrushHawk remote controlled monitor mounted on the front chassis bumper in the center, high enough to see the monitor from the cab when operating. The remote-controlled monitor includes joystick control, 2" electric valve, and a selectable flow nozzle (15/30/45/60/95/125/150/200/FLUSH) model 6000212, and a CAN bus communication system.

13.04 Foam System

13.04.04 Scotty Through-The-Pump System

There shall be a Scotty, through the pump, foam system plumbed to the discharge head of the water pump. For use with Class "A" Foam only. When engaged all discharges from the pump have foam, including tank fill.

SECTION 14: HOSE TRAYS & PRE-CONNECTS

14.02 Pre-connected in Top Side Hose Tray

Hose tray on the side of the body above the compartments, made of aluminum tread brite, with rubber tile installed in the bottom. This area will not have a back panel for ease of unloading hose. It will be 10" tall x 21" wide. Ventilation slots will be provided on each side.

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- 14.02.01 Street side, extending the length of the body with a Pre-connect plumbed 2", gated with a 2" valve, and terminated with a swivel fitting 1 1/2" NST male terminated in the hose tray. The swivel is to be installed at the rear of the tray and swivels from front to rear.

14.03 Top Side Hose Tray Options

- 14.03.01 Hose tray divider
An aluminum divider will be installed in the center of the hose tray to create two hose compartments.

- 14.03.01.01 Divider in Street side tray

SECTION 16: HOSE REEL

16.01 Electric hose reel with Reel Lite Hose

One (1) electric rewind hose reel with hose rollers, gated with a 1" valve and supplied with reel lite hose. Each hose reel comes equipped with one (1) button located on the reel.

- 16.01.02 1" Reel Lite hose located on the rear street corner, facing street side.
 - 16.01.02.02 150 ft.

- 16.01.04 1" Reel Lite hose located on the rear curb corner, facing curb side.
 - 16.01.04.02 150 ft.

SECTION 17: CHASSIS ACCESSORIES

17.01 Shoreline Connection, Kussmaul "Auto Charge 1000"

One (1) 115 Volt Kussmaul "Auto Charge 1000" battery charger system installed.

- 17.01.01 Manual shoreline connection, street side wheel well.

17.04 Receiver Hitch, Winches, & Bumpers

- 17.04.01 Rear Receiver Hitch

Class III 2" receiver hitch tube installed on the rear of the apparatus and furnished with a 7-pin electrical receptacle and safety chain rings. Both sides of the receiver hitch will have tow-eyes cut into the plates.

- 17.04.03 Warn Zeon 10 Winch

Winch, there shall be one (1) receiver hitch winch installed on the apparatus with a 9,500-lb. rating. Warn Zeon 10 Multi-mount, for use at front or rear. Also available permanently mounted inside front bumper.

17.04.03.01 Warn Zeon 10, receiver hitch mounted.

17.04.04 Thunderstruck Bumper/Grill Guard

Heavy duty bumper/grille guard, there shall be one (1) Thunderstruck heavy-duty bumper/grille guard installed with a 2" receiver tube for winch mounting. The bumper/grill guard will be black powder coated for superior protection.

17.04.04.01 With monitor plumbing

17.05 Tires and Lift Kits

17.05.02 Continental MPT81 Super Singles

Four (4) Continental MPT81 tires (335/80R20) installed on the chassis that are 40" x 13.5" x 19.5", 22-ply, with a max load rating of 6779lbs per wheel at 96PSI and mounted on a 20" x 11" steel, black powder coated wheels. Extended front fender flares installed to cover extra height and width of the tires. A suspension lift kit installed with wheel spacers on the front tires. Road speed rating 68mph.

17.05.02.01 MPT 81 Super Singles w/lift kit for F-550 Ford Chassis

17.05.02.03 One (1) MPT 81 Spare Tire

17.05.06 Tire Carrier

Tire rack, there shall be one (1) tire rack supplied. For the rear corners, a guard rail with no full-length storage tray required.

17.05.06.01 Tire Carrier located on the top of the tank.

17.06 Chassis Exhaust

17.06.01 Standard Chassis Exhaust Modifications

Chassis exhaust is modified to exit passenger side behind the rear wheels and to the edge of the body.

SECTION 18: LOOSE EQUIPMENT

Loose equipment required by NFPA not listed will be supplied by customer after delivery of the apparatus prior to being put in service.

18.05 Nozzles

Dual gallonage nozzle with two flow settings of 10 and 40 gpm @ 100 psi (37 and 150 l/min @ 7 bar). All lightweight materials, hard coat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist "off" position for positive shut off. Pistol grip is mounted below the valve. Rocker lug 1" NH (25mm) swivel is standard.

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18.05.01 1" Task Force Tips model # DS1040P – 10 and 40 GPM @ 100 PSI
18.05.01.02 Qty Two (2)

18.08 Wheel Chocks

18.08.01 Two (2) Wheel Chocks, with Holders, Placed into Spare Compartment.

SECTION 19: CHASSIS

19.00 Midwest Fire supplied chassis per specification attached. Brief summary below:

Chassis Summary			
Manufacturer	Ford	Cab to Axle (in.)	60"
Model	F-550 Super Cab XLT 4x4	Wheelbase (in.)	168"
Engine Manufacturer	Ford	Front Axle Rating (Lbs.)	7,500#
Engine Model	7.3L Gas	Rear Axle Rating (Lbs.)	14,000#
Horsepower	350	Paint Color Code	Race Red

DELIVERY/FINAL INSPECTION

The department will take physical possession of the truck and will receive all training on the operation of the truck at the Midwest Fire facility in Luverne, Minnesota during the final inspection/ delivery day. Transit of the apparatus is the responsibility of the department, please ask your representative for options.

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2022 F-550 Chassis 4x4 SD Super Cab 168" WB DRW XLT (X5H)

Price Level: 230



Client Proposal

Prepared by:

Ed Miller

Office: 713-678-5007

Email: EMILLER@CHASTANGFORD.COM

Quote ID: LAUR22X5H

Date: 06/21/2021



Chastang Ford | 6200 N. Loop East, Houston, Texas, 770261936

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Prepared by: Ed Miller

06/21/2021

Chastang Ford | 6200 N. Loop East Houston Texas | 770261936

2022 F-550 Chassis 4x4 SD Super Cab 168" WB DRW XLT (X5H)

Price Level: 230 | Quote ID: LAUR22X5H

Selected Equip & Specs

Dimensions

- Exterior length: 253.3"
- Exterior width: 80.0"
- Wheelbase: 168.0"
- Rear track: 74.0"
- Rear tire outside width: 93.9"
- Front legroom: 43.9"
- Front headroom: 40.8"
- Front hiproom: 62.5"
- Front shoulder room: 66.7"
- Passenger volume: 116.0cu.ft.
- Maximum cargo volume: 31.6cu.ft.
- Cab to axle: 60.0"
- Exterior height: 81.8"
- Front track: 74.8"
- Turning radius: 24.0'
- Min ground clearance: 8.3"
- Rear legroom: 33.5"
- Rear headroom: 40.3"
- Rear hiproom: 64.7"
- Rear shoulder room: 65.8"
- Cargo volume: 31.6cu.ft.

Powertrain

- 350hp 7.3L OHV 16 valve V-8 engine with DEVCT variable valve control, SMPI
- federal
- Part-time
- Fuel Economy Cty: N/A
- **Transmission PTO provision**
- Recommended fuel : regular unleaded
- TorqShift 10 speed automatic transmission with overdrive
- **Limited slip differential**
- Fuel Economy Highway: N/A

Suspension/Handling

- Front Mono-beam non-independent suspension with anti-roll bar, HD shocks
- Firm ride Suspension
- Front and rear 19.5 x 6 argent steel wheels
- Dual rear wheels
- **Rear DANA 130 rigid axle leaf spring suspension with anti-roll bar, HD shocks**
- Hydraulic power-assist re-circulating ball Steering
- **LT225/70SR19.5 GBSW AT front and rear tires**

Body Exterior

- 4 doors
- Reverse opening right rear passenger
- Turn signal indicator in mirrors
- Chrome bumpers
- Trailer harness
- Front and rear 19.5 x 6 wheels
- Reverse opening left rear passenger
- Driver and passenger power remote heated, manual folding door mirrors with turn signal indicator
- Black door mirrors
- **Side steps**
- Clearcoat paint
- 2 front tow hook(s)

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

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Chastang Ford | 6200 N. Loop East Houston Texas | 770261936

2022 F-550 Chassis 4x4 SD Super Cab 168" WB DRW XLT (X5H)

Price Level: 230 | Quote ID: LAUR22X5H

Selected Equip & Specs (cont'd)

Convenience

- Manual air conditioning with air filter
- Power windows
- Driver and passenger 1-touch down
- Manual tilt steering wheel
- Day-night rearview mirror
- SYNC 3 911 Assist emergency SOS
- * **Integrated navigation system**
- Front and rear cupholders
- Full overhead console
- Rear door bins
- Cruise control with steering wheel controls
- Driver and passenger 1-touch up
- Remote power door locks with 2 stage unlock and illuminated entry
- Manual telescopic steering wheel
- FordPass Connect 4G internet access
- Wireless phone connectivity
- 2 1st row LCD monitors
- Dual visor mirrors
- Driver and passenger door bins
- Upfitter switches

Seats and Trim

- Seating capacity of 6
- 4-way driver seat adjustment
- 4-way passenger seat adjustment
- 60-40 folding rear split-bench seat
- Metal-look instrument panel insert
- Front 40-20-40 split-bench seat
- Manual driver lumbar support
- Centre front armrest with storage
- Cloth seat upholstery

Entertainment Features

- * **SiriusXM AM/FM/HD/Satellite radio with radio data system**
- SYNC 3 external memory control
- 7 speakers
- Fixed antenna
- Auxiliary audio input
- Steering wheel mounted radio controls
- Streaming audio

Lighting, Visibility and Instrumentation

- Halogen aero-composite headlights
- Auto on/off headlights
- Deep tinted windows
- Tachometer
- Compass
- Trip computer
- Configurable digital/analog gauges
- Delay-off headlights
- Variable intermittent front windshield wipers
- Front reading lights
- Oil pressure gauge
- Outside temperature display
- Trip odometer

Safety and Security

- 4-wheel ABS brakes
- Brake assist

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06/21/2021

Chastang Ford | 6200 N. Loop East Houston Texas | 770261936

2022 F-550 Chassis 4x4 SD Super Cab 168" WB DRW XLT (X5H)

Price Level: 230 | Quote ID: LAUR22X5H

Selected Equip & Specs (cont'd)

- 4-wheel disc brakes
- Dual front impact airbag supplemental restraint system with passenger cancel
- Safety Canopy System curtain 1st and 2nd row overhead airbag supplemental restraint system
- Power remote door locks with 2 stage unlock and panic alarm
- MyKey restricted driving mode
- 3 manually adjustable rear head restraints
- Driveline traction control
- Dual seat mounted side impact airbag supplemental restraint system
- Remote activated perimeter/approach lighting
- Security system with SecuriLock immobilizer
- Manually adjustable front head restraints

Dimensions

General Weights

* Curb	7,480 lbs.	* GVWR	19,500 lbs.
* Payload	12,150 lbs.		

Front Weights

* Front GAWR	7,500 lbs.	* Front curb weight	4,254 lbs.
* Front axle capacity	7,500 lbs.	* Front spring rating	7,500 lbs.
Front tire/wheel capacity	7,500 lbs.		

Rear Weights

* Rear GAWR	14,706 lbs.	* Rear curb weight	3,226 lbs.
* Rear axle capacity	14,706 lbs.	* Rear spring rating	15,000 lbs.
Rear tire/wheel capacity	15,000 lbs.		

Trailer Type

Harness	Yes	Brake controller	Yes
Trailer sway control	Yes		

General Trailering

5th-wheel towing capacity	19700 lbs.	Gooseneck towing capacity	19700 lbs.
Towing capacity	18500 lbs.	GCWR	28000 lbs.

Fuel Tank type

Capacity	40 gal.
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Off Road

Min ground clearance	8 "
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Interior cargo

Cargo volume	31.6 cu.ft.	Maximum cargo volume	31.6 cu.ft.
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Selected Equip & Specs (cont'd)

Rear Frame

Height loaded 28 " Height unloaded 34 "

Powertrain

Engine Type

Block material Iron Cylinders V-8
Head material Aluminum Ignition Spark
Injection Sequential MPI Liters 7.3L
Orientation Longitudinal Recommended fuel Regular unleaded
Valves per cylinder 2 Valvetrain OHV
Variable valve control DEVCT

Engine Spec

Bore 4.21" Compression ratio 10.5:1
Displacement 445 cu.in. Stroke 3.98"

Engine Power

SAEJ1349 AUG2004 compliant Yes Output 350 HP @ 3,900 RPM
Torque 468 ft.-lb @ 3,900 RPM

Alternator

Type Dual Amps 397

Battery

Amp hours 78 Cold cranking amps 750
Run down protection Yes Type Dual

Engine Extras

• Block heater Yes

Transmission

Electronic control Yes Lock-up Yes
Overdrive Yes Speed 10
Type Automatic

Transmission Gear Ratios

1st 4.696 2nd 2.985
3rd 2.146 4th 1.769
5th 1.52 6th 1.275
7th 1 8th 0.854
9th 0.689 10th 0.616
Reverse Gear ratios 4.866

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Selected Equip & Specs (cont'd)

Transmission Extras

Driver selectable mode	Yes	Sequential shift control	SelectShift
Oil cooler	Regular duty	* PTO provision	Yes

Drive Type

4wd type	Part-time	Type	Four-wheel
----------	-----------	------	------------

Drive Feature

* Limited slip differential	Mechanical	Traction control	Driveline
* Power take-off provision	Yes	Locking hub control	Auto
Transfer case shift	Electronic		

Drive Axle

Ratio	4.88
-------	------

Exhaust

Material	Stainless steel	System type	Single
----------	-----------------	-------------	--------

Emissions

CARB	Federal
------	---------

Fuel Economy

Fuel type	Gasoline
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Driveability

Brakes

ABS	4-wheel	ABS channels	3
Type	4-wheel disc	Vented discs	Front and rear

Brake Assistance

Brake assist	Yes
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Suspension Control

Ride	Firm
------	------

Front Suspension

Independence	Mono-beam non-independent	Anti-roll bar	Regular
--------------	---------------------------	---------------	---------

Front Spring

Type	Coil	* Grade	HD
------	------	---------	----

Front Shocks

Type	HD
------	----

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Selected Equip & Specs (cont'd)

Rear Suspension

• Independence DANA 130 rigid axle Type Leaf
Anti-roll bar Regular

Rear Spring

Type Leaf Grade HD

Rear Shocks

Type HD

Steering

Activation Hydraulic power-assist Type Re-circulating ball

Steering Specs

of wheels 2

Exterior

Front Wheels

Diameter 19.5" Width 6.00"

Rear Wheels

Diameter 19.5" Width 6.00"
Dual Yes

Front and Rear Wheels

Appearance Argent Material Steel

Front Tires

Aspect 70 Diameter 19.5"
Sidewalls BSW Speed S
• Tread AT Type LT
Width 225mm LT load rating G
• RPM 645

Rear Tires

Aspect 70 Diameter 19.5"
Sidewalls BSW Speed S
• Tread AT Type LT
Width 225mm LT load rating G
• RPM 645

Wheels

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Selected Equip & Specs (cont'd)

Front track	74.8"	Rear track	74.0"
Turning radius	24.0'	Wheelbase	168.0"
Rear tire outside width	93.9"		

Body Features

Front splash guards	Yes	* Skid plate(s)	1
Body material	Aluminum	Side impact beams	Yes
* Side steps	Yes	Front tow hook(s)	2

Body Doors

Door count	4	Left rear passenger	Reverse opening
Right rear passenger	Reverse opening		

Exterior Dimensions

Length	253.3"	Body width	80.0"
Body height	81.8"	Cab to axle	60.0"
Axle to end of frame	47.2"	Frame section modulus	12.7cu.in.
Frame yield strength (psi)	50000.0	Frame rail width	34.2"
Front bumper to Front axle	38.3"	Cab to end of frame	107.2"
Front bumper to back of cab	146.3"		

Safety

Airbags

Driver front-impact	Yes	Driver side-impact	Seat mounted
Overhead Safety Canopy System curtain 1st and 2nd row		Passenger front-impact	Cancellable
Passenger side-impact	Seat mounted		

Seatbelt

Height adjustable	Front
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Security

Immobilizer	SecuriLock	Panic alarm	Yes
Restricted driving mode	MyKey		

Seating

Passenger Capacity

Capacity	6
----------	---

Front Seats

Split	40-20-40	Type	Split-bench
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Selected Equip & Specs (cont'd)

Driver Seat

Fore/aft	Manual	Reclining	Manual
Way direction control	4	Lumbar support	Manual

Passenger seat

Fore/aft	Manual	Reclining	Manual
Way direction control	4		

Front Head Restraint

Control	Manual	Type	Adjustable
---------	--------	------	------------

Front Armrest

Centre	Yes	Storage	Yes
--------	-----	---------	-----

Rear Seats

Descriptor	Split-bench	Facing	Front
Folding	60-40	Folding position	Fold-up cushion
Type	Fixed		

Rear Head Restraints

Control	Manual	Type	Adjustable
Number	3		

Front Seat Trim

Material	Cloth	Back material	Cloth
----------	-------	---------------	-------

Rear Seat Trim Group

Material	Cloth	Back material	Carpet
----------	-------	---------------	--------

Convenience

AC And Heat Type

Air conditioning	Manual	Air filter	Yes
Underseat ducts	Yes		

Audio System

Auxiliary audio input	Yes	• Radio	SiriusXM AM/FM/HD/Satellite
Radio data system	Yes	Radio grade	Regular
Seek-scan	Yes	External memory control	SYNC 3

Audio Speakers

Speaker type	Regular	Speakers	7
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Audio Controls

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Selected Equip & Specs (cont'd)

Speed sensitive volume	Yes	Steering wheel controls	Yes
Voice activation	Yes	Streaming audio	Bluetooth yes
<i>Audio Antenna</i>			
Type	Fixed		
<i>Video Features</i>			
* Integrated navigation system activation	With voice	* Real-time traffic display	SiriusXM Traffic yes
<i>LCD Monitors</i>			
1st row	2	Primary monitor size (inches)	8
<i>Cruise Control</i>			
Cruise control	With steering wheel controls		
<i>Convenience Features</i>			
Retained accessory power	Yes	12V DC power outlet	3
Emergency SOS	SYNC 3 911 Assist	Wireless phone connectivity	Bluetooth
120V AC power outlet	2	* Back-up alarm	Yes
Smart device integration	Mirroring	Upfitter switches	Yes
<i>Door Lock Activation</i>			
Type	Power with 2 stage unlock	Remote	Keyfob (front doors)
Integrated key/remote	Yes		
<i>Door Locks Extra FOB Controls</i>			
Remote engine start	Smart device only		
<i>Instrumentation Type</i>			
Appearance	Digital/analog	Configurable	Yes
<i>Instrumentation Gauges</i>			
Tachometer	Yes	Oil pressure	Yes
Engine temperature	Yes	Transmission fluid temp	Yes
Engine hour meter	Yes		
<i>Instrumentation Warnings</i>			
Oil pressure	Yes	Engine temperature	Yes
Battery	Yes	Lights on	Yes
Key	Yes	Low fuel	Yes
Door ajar	Yes	Service interval	Yes
Brake fluid	Yes		

Instrumentation Displays

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Selected Equip & Specs (cont'd)

Clock	In-radio display	Compass	Yes
Exterior temp	Yes	Systems monitor	Yes
<i>Instrumentation Feature</i>			
Trip computer	Yes	Trip odometer	Yes
<i>Steering Wheel Type</i>			
Material	Urethane	Tilting	Manual
Telescoping	Manual		
<i>Front Side Windows</i>			
Window 1st row activation	Power		
<i>Windows Rear Side</i>			
2nd row activation	Power		
<i>Window Features</i>			
1-touch down	Driver and passenger	1-touch up	Driver and passenger
Tinted	Deep		
<i>Front Windshield</i>			
Wiper	Variable intermittent		
<i>Rear Windshield</i>			
Window	Fixed		
Interior			
<i>Driver Visor</i>			
Mirror	Yes		
<i>Passenger Visor</i>			
Mirror	Yes		
<i>Rear View Mirror</i>			
Day-night	Yes		
<i>Headliner</i>			
Coverage	Full	Material	Cloth
<i>Floor Trim</i>			
Coverage	Full	* Covering	Vinyl/rubber
<i>Trim Feature</i>			
Instrument panel insert	Metal-look	Gear shifter material	Urethane
Interior accents	Chrome		

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Selected Equip & Specs (cont'd)

Lighting

Dome light type	Fade	Front reading	Yes
Illuminated entry	Yes	Variable IP lighting	Yes

Overhead Console Storage

Storage	Yes	Type	Full
---------	-----	------	------

Storage

Driver door bin	Yes	Front Beverage holder(s)	Yes
Glove box	Locking	Passenger door bin	Yes
Seatback storage pockets	2	Illuminated	Yes
Rear yes	Yes	Instrument panel	Covered bin
Dashboard	Yes	Rear door bins	Yes
1st row underseat	Locking		

Legroom

Front	43.9"	Rear	33.5"
-------	-------	------	-------

Headroom

Front	40.8"	Rear	40.3"
-------	-------	------	-------

Hip Room

Front	62.5"	Rear	64.7"
-------	-------	------	-------

Shoulder Room

Front	66.7"	Rear	65.8"
-------	-------	------	-------

Interior Volume

Passenger volume	116.0 cu.ft.		
------------------	--------------	--	--

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Warranty

Standard Warranty

<i>Basic</i>			
Distance	36,000 miles	Months	36 months
<i>Powertrain</i>			
Distance	60,000 miles	Months	60 months
<i>Corrosion Perforation</i>			
Distance	Unlimited miles	Months	60 months
<i>Roadside Assistance</i>			
Distance	60,000 miles	Months	60 months

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Midwest Fire Service

We understand how important the issue of service is for you and your department. With hundreds of Midwest Fire apparatus in the field, we have over three decades of experience in providing ongoing support after delivery.

We make every effort to ensure that your new Midwest Fire apparatus leaves our manufacturing facility at 100% operating level- all chassis, apparatus, and sub-components included. Your apparatus was built with comprehensive quality control and inspected at multiple key points throughout the construction process and although we take these exhaustive steps to ensure quality and operational function, we understand that at times there's a need for service or repair of your apparatus.

Midwest Fire will work with your trusted local service center to perform the necessary repairs for your Midwest Fire truck. If you do not have a preferred service center, Midwest Fire can locate and contract with an appropriate service center to undertake the work required.

In the state of Texas, our franchised dealer Webb Apparatus LLC is available to provide mobile service for all warranty and service required.

Because you are able to call us direct, your request for service will get immediate attention. Midwest Fire makes it a priority to support our customers after delivery of their apparatus. For all inquiries regarding service or warranty, please contact General Manager Brett Jensen for immediate assistance. Our facility is open Monday-Friday, 8 am-5 pm.

Midwest Fire Equipment & Repair Company
901 Commerce Road
PO Box 524
Luverne, MN 56156

Toll Free: 1.800.344.2059 Fax 1.507.283.9142 Info@MidwestFire.com

MidwestFire.com • 1.800.344.2059

info@MidwestFire.com • 901 Commerce Road • P.O. Box 524 • Luverne, MN 56156

WARRANTY POLICY OF MIDWEST FIRE

The information contained in this Warranty Policy explains the coverage for the apparatus provided by Midwest Fire Equipment & Repair Company, herein referred to as Midwest Fire. A copy of this policy should be kept on file with the delivery documents for the apparatus.



OBTAINING WARRANTY SERVICE

Contact Midwest Fire to arrange authorized service. All claims under this Limited Warranty, and prior to any work started, must be submitted in writing to Midwest Fire within the warranty period as stated herein. For questions regarding this Limited Warranty, contact Midwest Fire (1-800-344-2059.)

EFFECTIVE WITH VEHICLES BUILT JANUARY 1, 2010 OR LATER LIMITED WARRANTY FOR FIRE TRUCK MODELS OFFERED BY MIDWEST FIRE warrants to the original Purchaser that Midwest Fire apparatus and component parts thereof are, at the time of purchase, free from defects in material and workmanship and will remain free from such defects under normal use after delivery to the Purchaser as provided herein. Warranty shall begin at the time of delivery unless otherwise approved by Midwest Fire. The delivery limitations as set forth herein shall run from the date of delivery to the Purchaser in the United States of America and Canada.

BASIC VEHICLE COVERAGE

Basic Vehicle Warranty, Twelve (12) Months, Unlimited Mileage

The remedy available under this Limited Warranty is non-cumulative in nature and is limited to repair or replacement at a trusted service location or by the Purchaser upon agreement prior to service. Midwest Fire, at its option, will repair or replace any part of this vehicle which proves defective in material and/or workmanship in normal use and service, with new or rebuilt parts, for the first twelve (12) months from new vehicle delivery date. This warranty is not transferable except by prior written agreement with Midwest Fire. Exceptions are listed below under *What Is Not Covered*.

BODY SUB-STRUCTURE – TWENTY-FIVE (25) YEARS, Unlimited Mileage

Midwest Fire warrants to the original purchaser only, that the sub-structure fabricated by Midwest Fire, under normal use and with reasonable maintenance, will be structurally sound and will remain free from defect in materials or workmanship or corrosion perforation for a period of twenty-five (25) years. Warranty does not apply to items covered by separate warranty included but not limited to: Hardware, moldings, and other accessories attached to the sub-structure. In addition, this warranty does not apply to sub-structures, or any part or accessory attached to this sub-structure, manufactured by an outside vendor.

METAL BODY WARRANTY – TEN (10) YEARS, Unlimited Mileage

Midwest Fire warrants to the original purchaser only, that a body fabricated by Midwest Fire, under normal use and with reasonable maintenance, will be structurally sound and will remain free from defect in materials or workmanship or corrosion perforation for a period of ten (10) years. Warranty does not apply to items covered by separate warranty included but not limited to: Hardware, moldings, and other accessories attached to this body. In addition, this warranty does not apply to bodies, or any part or accessory attached to this body, manufactured by an outside vendor.

Midwest Fire will replace without charge, repair or make a fair allowance for any defect in material or workmanship demonstrated to its satisfaction to have existed at the time of delivery, not due to misuse, negligence, or accident.

The extent of warranty repair shall be determined solely by Midwest Fire, and shall be performed only at the factory, or at an approved facility. The expense of any transportation to or from such repair facility shall be the responsibility of the purchaser. Midwest Fire will not be liable for consequential damages and under no circumstances will its liability exceed the price for a defective body or sub-structure. The remedies set forth herein are exclusive and in substitution for all other remedies to which the purchaser would otherwise be entitled.

Midwest Fire will be given a reasonable opportunity to investigate all claims. The purchaser must commence any action arising out of, based upon or relating to agreement or the breach hereof, within twelve months from the date the cause of the action occurred.

PAINT WARRANTY - TEN (10) YEARS, Unlimited Mileage

The PPG paint performance guarantee will cover the areas of the vehicle finished with the specified product for a period of ten (10) years beginning from the day the vehicle is delivered to the purchaser. The warranty as outlined on the guarantee certificate will provide coverage for the following paint failures:

Guarantee Inclusions:

Full apparatus body manufactured and painted by Midwest Fire:

1. Peeling or delaminating of the topcoat and/or other layers of paint.
2. Cracking or checking.
3. Loss of gloss caused by cracking, checking, or hazing.

COMPONENT COVERAGE

Parts, components, or accessories not manufactured by Midwest Fire described within are given warranty coverage of variable time periods. Parts, components, or accessories include, but not limited to; Chassis & chassis components, water tanks, pumps, electric and electronic equipment, valves, etc. Such components or accessories are covered by the respective warranties of the manufacturers thereof. These warranties may be, in some cases, less than twelve (12) months. The producers of these components or accessories or their local servicing agents should be contacted for prompt corrective warranty action.

WHAT IS NOT COVERED

- Vehicles sold and/or operated outside the United States and Canada.
- Vehicles/components which have had unauthorized alterations or modifications.
- Loss of time or use of the vehicle, inconvenience, or other consequential or incidental damages or expenses.
- Replacement of defective parts with parts other than those provided by Midwest Fire unless prior arrangements have been made between the Purchaser and Midwest Fire.
- *Chassis including but not limited to;* Frame side rails, Cab & Cowl structure with components, Diesel engines/electronics and attached accessories (e.g., fan clutch, alternator, starter, etc.), Front & rear axles and Prop-shaft, Transmission, Brakes, Tires, or any other component installed and present on the chassis when delivered to the Midwest Fire for final body assembly.

This warranty does not apply, or include coverage for defects attributable to damage resulting from the following:

- (i) misuse, abuse, accident, neglect, negligence, vandalism, fire, riot, war, or Acts of God;
- (ii) Structural or other modifications or alteration without prior express written authorization by Midwest Fire;
- (iii) Repair or attempt-ed repair by unauthorized persons;
- (iv) Replacement of original components with substitutes without prior express written authorization by Midwest Fire;
- (v) Failure to perform routine preventative maintenance as customarily accepted within the industry or failure to provide proof of such preventative maintenance having been performed;
- (vi) Exposure to corrosives, contaminants, chemicals, salt, irradiation or atmospheric or environmental conditions;
- (vii) Usage or loading in excess of recommended capacities or in non-standard applications, including off-road.
- (viii) Fading or discoloration of paint, lettering or decals; _____

DISCLAIMER

NO WARRANTIES ARE GIVEN BEYOND THOSE DESCRIBED HEREIN. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THE COMPANY SPECIFICALLY DISCLAIMS WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OTHER REPRESENTATIONS TO THE USER/PURCHASER, AND ALL OTHER OBLIGATIONS OR LIABILITIES. THE COMPANY FURTHER EXCLUDES LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES, ON THE PART OF THE COMPANY OR SELLER. No person is authorized to give any other warranties or to assume any liabilities on the Company's behalf unless made or assumed in writing by the Company; and no other person is authorized to give any warranties or to assume any liabilities on the seller's behalf unless made or assumed in writing by the seller.

Any provisions of this Limited Warranty which is prohibited or not enforceable in any jurisdiction shall be, as to such jurisdiction, ineffective to the extent of such prohibition or non-enforceability without invalidating the remaining provisions hereof, and any such prohibition or non-enforceability in any jurisdiction shall not invalidate or render non-enforceable any such provisions in any other jurisdiction.



APR PLASTIC FABRICATING, INC.

2312 Cass St., Fort Wayne, IN 46808 | 260.482.8523 | aprfiretanks.com

Limited Lifetime Warranty – Fabricated Fire Vehicle Tanks and/or Bodies

APR Plastic Fabricating, Inc. , hereinafter referred to as **Seller**, warrants that these goods manufactured and sold by **Seller** will be free from defects in material and workmanship for a period of time equal to the service life of the original vehicle in which they were installed (**one year maximum outside North America**). For this warranty to have full effect, the vehicle must be in active service (for it's designed purpose) at the time any defect is discovered.

This warranty is transferable (subject to the approval of the **Seller**) within North America by written notification of **Seller** within thirty (30) days of vehicle transfer date.

Seller's obligation under this warranty is solely limited to repairing or replacing, at **Seller's** option, any part of the goods found to be defective within the warranty period. Reasonable costs to remove and reinstall defective product incurred by vehicle manufacturer, or its specific assigns, will be payable by **Seller**. Costs for travel outside North America will not be covered under this warranty.

This warranty is conditioned upon receipt by **Seller** of prompt notice of the claimed defect, including a description of the defect and of its discovery, substantiating photographs, and an opportunity made for **Seller** (or it's assigned agents) to inspect the goods in the buyer's or end user's facility. Notification must be made in writing or by calling Toll Free 1-800-352-8265. **Seller** will dispatch a repair technician within **48** hours of notification in the event the vehicle has been rendered out-of-service (**Response time only valid in North America**). **Seller** will send a repair technician to arrive at a mutually satisfactory time if the vehicle is still in service. Product must be identifiable by serial number for this warranty to be effective.

This warranty does not apply to goods damaged by misuse, neglect, accident, or physical damage to goods that have been improperly applied. This warranty does not apply to the costs of installation, reinstallation, normal operation, or normal maintenance of any warranted goods.

Installation or modification (subsequent to initial sale) performed by **Seller** will be covered under separate warranty.

Any alteration of warranted goods by persons other than **Seller**, or its specific assigns, will void warranty.

Seller makes no additional warranties, either express or implied, as to any of the goods sold and in particular Seller makes no other warranties of merchantability or fitness for any particular purpose.

In no event shall **Seller** be liable for failure of the goods to comply with any federal, state or local laws or for incidental or consequential damages including loss of profits, or any other type of damage which may be caused in whole or in part by any failure, defect or other problem of the goods sold by seller.

The above is intended to apply to product described in **Seller's** quote or purchase agreement number

QT/ Serial #:	_____	DWG #:	_____	PO #:	_____
This Warranty Certificate is Valid only if signed by Seller's authorized representative.					
Signed:	<i>Phil Falls</i>			Date:	_____



Hale Products Inc. • A Unit of IDEX Corporation
700 Spring Mill Avenue • Conshohocken, PA. 19428
Phone: 610-825-6300 • Fax: 610-825-6440
www.haleproducts.com

Hale Products Inc. Limited Standard Warranty (Fire Service Applications Only)*

EXPRESS WARRANTY: Hale Products, Incorporated ("Hale") hereby warrants to the original buyer that products manufactured by Hale are free of defects in material and workmanship for a period of five (5) years from the date the product is first placed into service or five and one-half (5-1/2) years from date of shipment by Hale, whichever period shall be first to expire. Within this warranty period Hale will cover parts and labor for the first two (2) years and parts only for years three (3) through five (5).

LIMITATIONS: HALE'S obligation is expressly conditioned on the Product being:

- Subjected to normal use and service.
- Properly installed and maintained in accordance with HALE'S Instruction Manual and Industry Standards as to recommended service and procedures.
- Not damaged due to abuse, misuse, negligence or accidental causes.
- Not altered, modified, serviced (non-routine) or repaired other than by an Authorized Service facility.
- Manufactured per design and specifications submitted by the original buyer.
- Used with an appropriate engine as determined by the engine manufacturers published data.
- Excluded are normal wear items identified as but not limited to packing, strainers, anodes, filters, light bulbs, intake screens, wear rings, mechanical seals, etc.

THE ABOVE EXPRESS LIMITED WARRANTY IS EXCLUSIVE. NO OTHER EXPRESS WARRANTIES ARE MADE. SPECIFICALLY EXCLUDED ARE ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATIONS, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE; COURSE OF DEALING; USAGE OF TRADE; OR PATENT INFRINGEMENT FOR A PRODUCT MANUFACTURED TO ORIGINAL BUYER'S DESIGN AND SPECIFICATIONS.

EXCLUSIVE REMEDIES: If Buyer promptly notifies HALE upon discovery of any such defect (within the Warranty Period), the following terms shall apply:

- Any notice to HALE must be in writing, identifying the Product (or component) claimed defective and circumstances surrounding its failure.
- HALE reserves the right to physically inspect the Product and require Buyer to return same to HALE'S plant or Authorized service Facility.
- In such event, Buyer must notify HALE for a Return Goods Authorization number and Buyer must return the Product F.O.B. within (30) days thereof.
- If determined defective, HALE shall, at its option, repair or replace the Product, or refund the purchase price (less allowance for depreciation).
- HALE's reimbursement covers only the standard labor and Hale components required for the removal, repair, and/or re-installation of HALE supplied Product.
- HALE's reimbursement does not cover the standard labor or components for the removal and reinstallation of non-HALE supplied components.
- Absent proper notice within the Warranty Period, HALE shall have no further liability or obligation to Buyer therefor.

THE REMEDIES PROVIDED ARE THE SOLE AND EXCLUSIVE REMEDIES AVAILABLE. IN NO EVENT SHALL HALE BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, LOSS OF LIFE; PERSONAL INJURY; DAMAGE TO REAL OR PERSONAL PROPERTY DUE TO WATER OR FIRE; TRADE OR OTHER COMMERCIAL LOSSES ARISING, DIRECTLY OR INDIRECTLY OUT OF PRODUCT FAILURE.



* Portable and float pumps, non-fire service applications, skids and trailer products sold by Hale are not covered by this warranty document.

This is for Bliek's Custom Fab (BCF) Aluminum Truck Beds.

FIVE YEAR LIMITED WARRANTY

Subject to the requirements, exclusions and limitations stated below, the structure of your BCF truck bed is warranted to the original retail purchaser against defects in materials and workmanship by Bliek's Custom Fab, arising from normal use for five (5) years from the date of purchase. The structure is that portion of the product which includes the main frame, consisting of the bottom rails, cross members, side posts, head ache racks (if so equipped) and tool boxes.

ONE YEAR LIMITED WARRANTY

BCF warrants its paint finish to be consistent with industry standards for one year after the date of original retail purchase, with the exception of "normal use" limitations set forth below and of deterioration due to use or exposure, such as chipping, scratching, fading, cracks in caulk seams, road salt or tar, damage by pressure washing. Warrantable paint repairs are limited to spot repairs and blending consistent with standards in the industry. Any repainting due to welding or work related to warranty is not covered by this warranty.

LIMITED WARRANTY EXCLUSION

BCF manufactures some products into which other persons or companies who are not employees or agents of BCF install additional equipment, and make modifications. This Limited Warranty extends only to materials used or workmanship performed by BCF or its employees in the construction of the original product subject to all limitations and exclusions set forth herein. BCF EXPRESSLY DISCLAIMS AND EXCLUDES ANY RESPONSIBILITY OR LIABILITY FOR ANY MATERIALS OR WORKMANSHIP IN ANY ITEMS INSTALLED INTO BCF PRODUCTS BY ANY OTHER PERSON OR COMPANY, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES ARISING THEREFROM.

EXCLUSION OF COMPONENTS WARRANTED BY OTHER MANUFACTURERS

Hinges, hardware, locks and installation hardware purchased and installed by BCF are warranted by their manufacturers and are excluded from the Limited Warranty.

NORMAL USE; NO REPAIRS OR ALTERATIONS

This Limited Warranty covers only defects in original components which arise from normal use and does not apply if the product has been subjected to negligence, accident, abuse, misuse, neglect, or overload or has been repaired or altered without the prior written consent of BCF. Normal wear items including, but not limited to, doors, hinges, struts, lights, switches, cables, will not be replaced due to wear.

TRANSPORTATION COST EXCLUDED

Transportation of any product to and/or from your dealer or any approved repair facility is the responsibility of the owner. BCF shall not be liable for any such costs.

PRIOR WRITTEN CONSENT REQUIRED, AND RETURN OF DEFECTIVE PARTS REQUIRED

No reimbursement will be made to any dealer or owner for repairs made without the prior written consent of BCF. Any defective part(s) must be sent by prepaid freight to

BCF, in order to qualify for replacement or reimbursement under this Limited Warranty.

OTHER PRODUCTS EXCLUDED

This Limited Warranty applies exclusively to BCF products manufactured by BCF. Any other products manufactured by BCF are specifically excluded from this warranty. Authorized repairs do not extend the term of this Limited Warranty.

CONSENT TO VENUE AND GOVERNING LAW

BY SIGNING THIS LIMITED WARRANTY AGREEMENT, PURCHASER AGREES THAT THIS AGREEMENT SHALL IN ALL RESPECTS BE GOVERNED BY AND SUBJECT TO AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF IOWA. FURTHER, IN THE EVENT OF ANY LITIGATION, PURCHASER CONSENTS TO THE EXCLUSIVE JURISDICTION AND VENUE IN THE IOWA DISTRICT COURT IN AND FOR SIOUX COUNTY, IOWA.

LIMITATIONS

THE SOLE RESPONSIBILITY OF BCF UNDER THIS LIMITED WARRANTY SHALL BE TO REPAIR AND REPLACE PARTS AT THE BCF FACTORY OR, FOR A REASONABLE ALLOWANCE, AT ANOTHER PLACE AND AUTHORIZED IN WRITING BY BCF ALL OTHER OBLIGATIONS OR LIABILITIES, INCLUDING INCIDENTAL OR CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES ARISING OUT OF THE FAILURE OF ANY PARTS TO OPERATE PROPERLY, ARE HEREBY EXCLUDED, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM LOSS OF USE, INCONVENIENCE, LOSS OF TIME, COMMERCIAL LOSS OR ANY OTHER TYPE OF DAMAGES, GENERAL OR SPECIFIC, FORESEEN OR UNFORESEEN, UNLESS APPLICABLE STATE LAW PROVIDES OTHERWISE.

DISCLAIMERS

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND REPRESENTATIONS. BCF MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO BCF PRODUCTS WHETHER AS TO THE MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER MATTER. NO ONE, OTHER THAN BCF IS AUTHORIZED TO MAKE FURTHER OR ADDITIONAL WARRANTIES ON BEHALF OF BCF.

ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR EXTENDED USE ARE LIMITED TO WARRANTY PERIODS STATED ABOVE, UNLESS ANY APPLICABLE STATE LAW PROVIDES OTHERWISE.

The undersigned dealer, by signing this manufacturer's Limited Warranty, states that he/she has informed and explained to the purchaser all limited warranty and claim procedures and will submit within ten (10) days the form to:

Bliek's Custom Fab
201 Commerce Street
Hull IA, 51239
ATTN: Body Warranty Information

2019 Model Year **Ford Warranty Guide**

(Except F-650/750, Hybrid and Electric Vehicles)



owner.ford.com

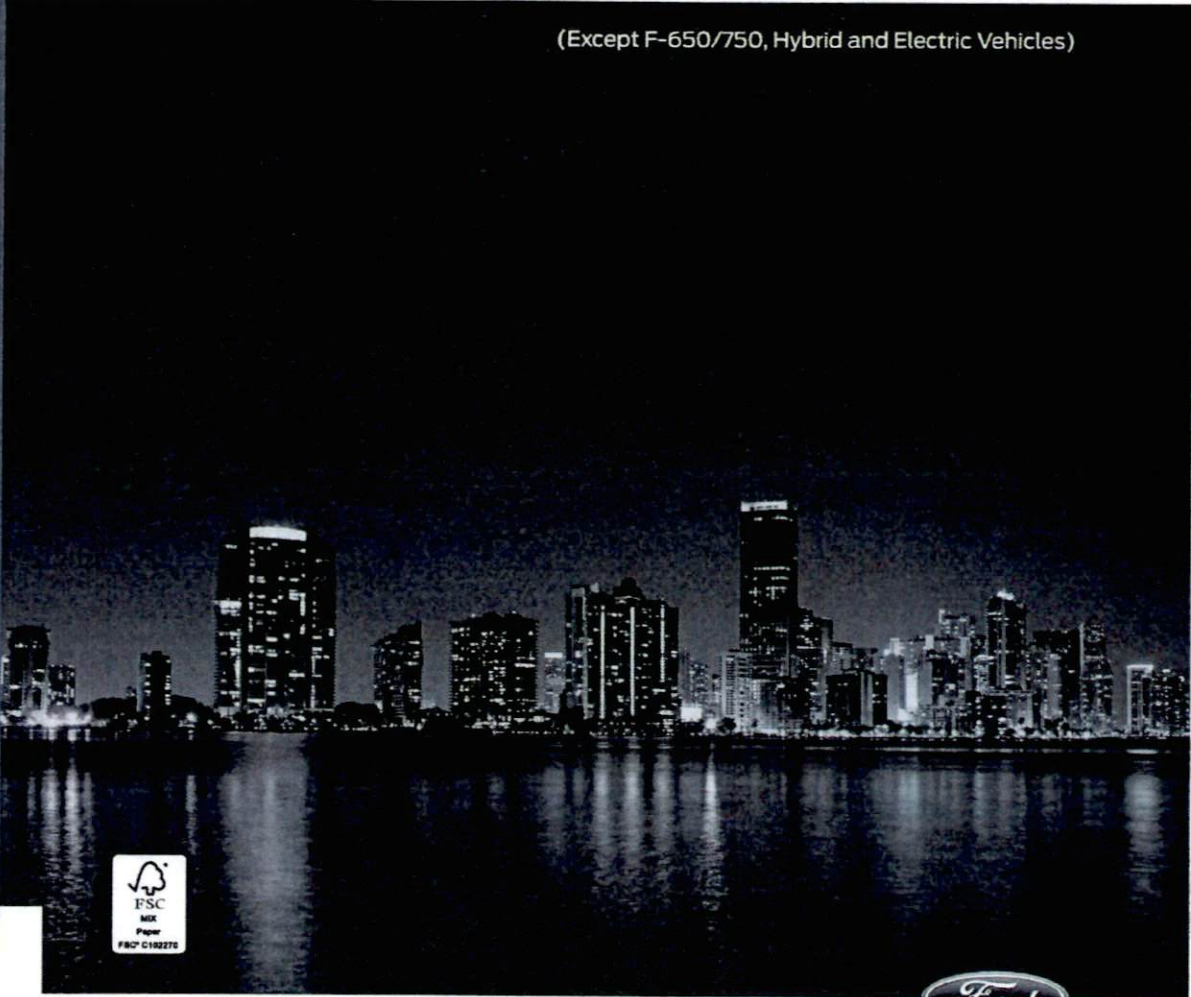


ford.ca

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Litho in U.S.A.



KW7J19T201 BA





Your satisfaction is our #1 goal. If you have any questions or concerns, or are unsatisfied with the service you are receiving, follow these steps:

1. Contact your Sales Representative or Service Advisor at your selling/servicing dealership.
2. If your inquiry or concern remains unresolved, contact the Sales Manager, Service Manager or Customer Relations Manager.
3. If you require assistance or clarification on Ford Motor Company policies or procedures, please contact the Ford Customer Relationship Center.

In the United States:	In Canada:
Ford Motor Company Customer Relationship Center P.O. Box 6248 Dearborn, MI 48121 1-800-392-3673 (FORD) (TDD for the hearing impaired: 1-800-232-5952) www.owner.ford.com	Customer Relationship Centre Ford Motor Company of Canada, Limited P.O. Box 2000 Oakville, Ontario L6J 5E4 1-800-565-3673 (FORD) www.ford.ca
In Asia-Pacific Region, Sub-Saharan Africa, U.S. Virgin Islands, Central America, the Caribbean, and Israel:	In Puerto Rico:
Ford Motor Company Ford Export Operations Attention: Customer Relations 1555 Fairlane Drive Fairlane Business Park #3 Allen Park, MI 48101 Telephone: (313) 594-4857 For customers in Guam, the Commonwealth of the Northern Mariana Islands (CNMI), America Samoa, and the U.S. Virgin Islands, please feel free to call our Toll-Free Number: (800) 841-FORD (3673) Fax: (313) 390-0804 E-mail: expcac@ford.com	Ford International Business Development, Inc. P.O. Box 11957 Caparra Heights Station San Juan, PR 00922-1957 Telephone: (800) 841-FORD (3673) Fax: (313) 390-0804 E-mail: prcac@ford.com www.ford.com.pr
In Middle East:	
Ford Middle East Customer Relationship Center P.O. Box 21470 Dubai, United Arab Emirates Telephone: 971-4-3326084 Toll-free Number for the Kingdom of Saudi Arabia: 800 8971409 Local Telephone Number for Kuwait: 24810575 Fax: 971-4-3327299 E-mail: menacac@ford.com www.me.ford.com	



Welcome To Midwest Fire



Building Relationships For 30 Years



Midwest Fire Equipment and Repair Company has been manufacturing high-quality fire rescue vehicles in the United States since 1987.

We incorporate new technologies and creative design features into each truck we manufacture to ensure that it is among the most innovative and functional apparatus on the market.



Building Relationships For 30 Years



We have a long tradition of reaching out to fire departments that share our business values. We devise custom solutions in order for our products to meet the particular needs of each of our customers.

We inspect each apparatus throughout its entire manufacturing process to ensure the highest level of quality and craftsmanship. We also provide reliable service and competitive warranties for each truck that leaves our facility.



All-Poly® Series Tanker-Pumper



Standard Equipment:

- All-Poly® body and tank construction with lifetime warranty
- All-Poly® T style tank with full hose bed with available capacities of 1,500 to 4,000 gallons with a low center of gravity and optimized weight distribution
- Extruded aluminum rub-rails
- "Sweep out" style compartments, including door activated LED lighting, dry decking, and floor drains
- Anodized aluminum roll-up doors
- Class 1 Es-Key multi-plex system
- NFPA compliant warning lights and striping
- Direct tank fill
- Newton 10" stainless steel dump valves
- Portable tank carrier and tank



All-Poly® Series Tanker-Pumper



Optional Equipment:

- Various pump and plumbing configurations available
- Electric dump valves and portable tank carrier
- Hose reels, Monitors, Foam Systems
- Pump house heater and heat pan
- Hose trays, hose cross-lays and hose compartments
- Hard suction hose and ladder carriers
- Multiple compartment configurations
- SCBA holders and brackets
- Rear view camera
- Multiple lighting and siren options available
- Tire Chains, Extended Front Bumpers, Winch
- Air and battery conditioner
- More Customized Options Available



All-Poly® Series Pumper



Standard Equipment:

- All-Poly® body and tank construction with lifetime warranty
- 1000 gallon POLY tank with optional foam cell
- Stainless steel or aluminum pump-house super-structure
- "Sweep Out" style compartments with adjustable shelving
- Internal ladder, hard suction and pike poles storage
- Various pump and plumbing configurations available (capacities up to 2000 GPM)
- Anodized aluminum roll-up doors
- LED lighted footsteps and compartments
- Full length hose bed and pre-connect cross lays
- Over 300 cu. ft. storage space
- NFPA compliant warning lights and striping
- Class 1 ES-Key Multiplexing system



All-Poly® Series Pumper



Optional Equipment:

- Hose reel options
- Extended front bumper with pre-connects
- Deck gun / Remote control monitor
- Class A foam system
- LED Telescoping lights
- Generator
- LED tank level gauges
- SCBA spare bottle compartments
- Winch
- More Customized Options Available



Quick-Attack Series



Equipment Options:

- All-Poly® body and tank with lifetime warranty
- 150-300 Gallon poly tank with optional foam cell
- 100-700 GPM engine driven pump options
- “Sweep Out” style compartments with LED lighting
- Anodized Aluminum Roll-Up Doors
- Aluminum rub rails
- NFPA compliant warning lights and striping
- Monitor and foam system options
- LED Telescoping lights
- Rear receiver hitch, winch, tow ring
- Hose reel options
- Emergency siren and speaker
- More Customized Options Available



Brush Truck Series



Equipment Options:

- Aluminum body construction
- 150-500 gallon poly tank with optional foam cell
- 100-700 GPM engine driven pump options
- Multiple storage compartment configurations
- Transverse front compartment
- NFPA compliant warning lights and striping
- Emergency Siren & Speaker
- Spring mounted body
- Upper dunnage storage
- Monitor and foam system options
- Hose Reel Options
- LED Telescoping lights
- Rear receiver hitch, winch, tow ring
- Suspension lift kits with super single tires
- More Customized Options Available





ALL•POLY® TYPE 3

Midwest Fire Equipment & Repair Company manufactures high-quality fire apparatus to serve your community for decades. Operating with a neighborly style and Midwestern values, our skilled team of professionals work to design the most versatile, high value fire apparatus to aid firefighters in the protection of life and property.



Standard Features:

- All-Poly® Body & Tank with Lifetime Warranty
- 500 to 750 Gallon Poly Tank with Optional Foam Cell
- "Sweep Out" Style Compartments w/ Adjustable Shelves
- Internal Suction Hose Storage
- Side Control PTO Pump, 500 to 1500 GPM
- All-Poly® Swing Doors
- LED Lighted Footsteps and Compartments
- Full Length Hose Bed and Pre-Connected Cross Lay
- NFPA Compliant Warning Lights and Striping
- Class 1 ES-Key Multiplexing System
- Stainless Steel Plumbing

Options:

- Auxiliary Engine Driven Pump
- Ladder Storage
- Foam System
- I-Zone Interface Brackets
- Additional Hose Reel
- Permanent or Portable Winch
- Front and Rear Ground Sweeps
- Remote Monitor
- Chassis Step Storage
- Multiple Discharge Options
- Roll-Up Doors

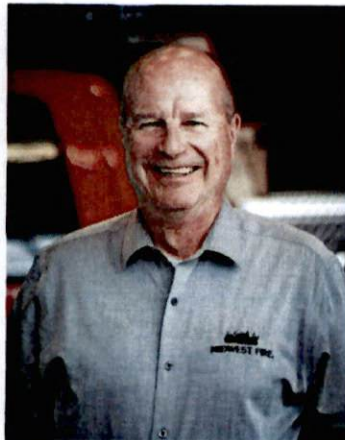


info@MidwestFire.com • 901 Commerce Road • P.O. Box 524 • Luverne, MN 56156
MidwestFire.com • 1.800.344.2059

Professional Assistance



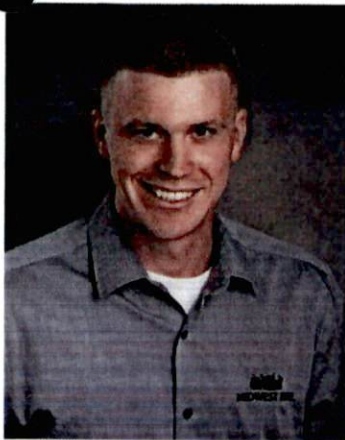
Brett Jensen
VP General Manager



Jeff Bowen
Account Representative



Joe Hlushak
Project Manager



Joseph Juhl
Account Representative



Newt Johnson
Account Representative

Communication throughout the entire process of bidding and purchase of the fire apparatus will be between you and our expert Sales Representatives. During the construction and pick-up of your fire apparatus you will work directly with our Project Managers, Joe Hlushak and Don Kalass.

Our direct communication between customer and manufacturer provides immediate response and eliminates the guess work. By having assigned contacts through the entire process, you can feel confident that the project is handled professionally with continuous and personal focus.



Pump Configurations



Top-Control

"Top-Control" pump with top-control pump operator panel: the pump operator's panel shall be top mounted to allow 360-degree visibility



Side-Control

"Side-Control" pump with hose cross-lay: hose cross-lay above the pump house shall be an area for pre-connected hose cross-lays and/or hose storage



Side-Mount

Available with the Hale AP50 500 GPM or MBP 750 GPM PTO driven pump

"Side-Mounted" style pump module is the ideal solution for applications such as small compact tanker-pumpers where shorter wheelbase is required.



Notched

Available with PTO driven pumps only

"Notched" style pump house: the tank is "notched" and the pump and pump house is installed below the tank. This exclusive "notched" tank design for shorter wheelbase.

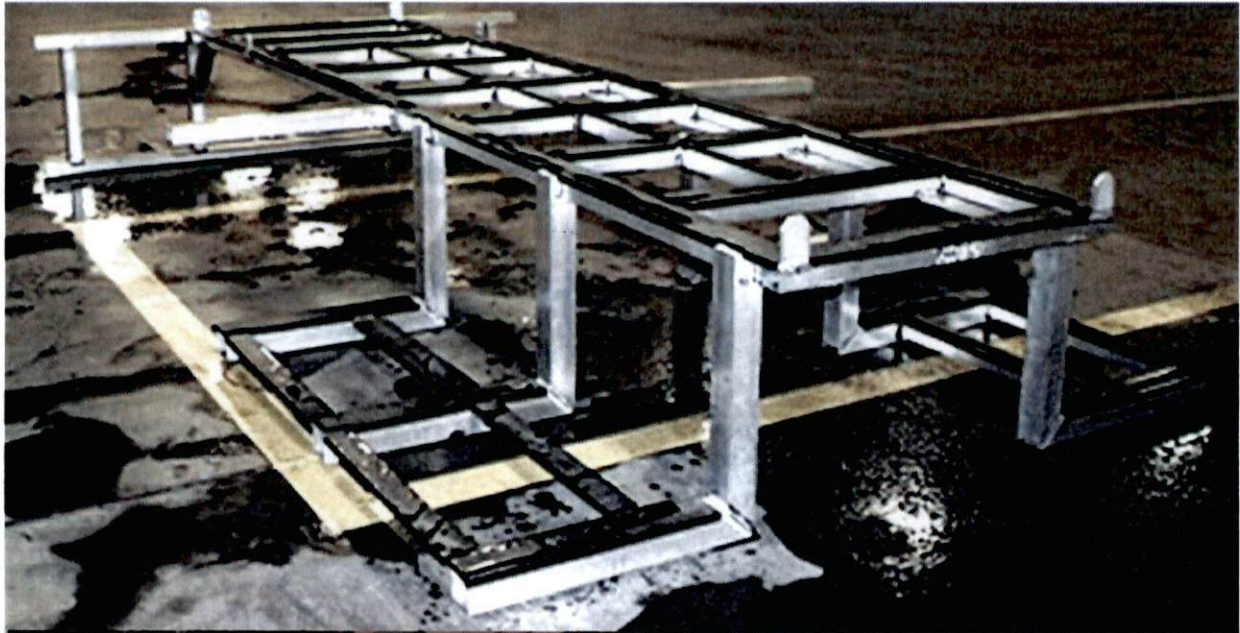


Portable

"Portable" pump permanently mounted inside locker



Body & Tank Cradle

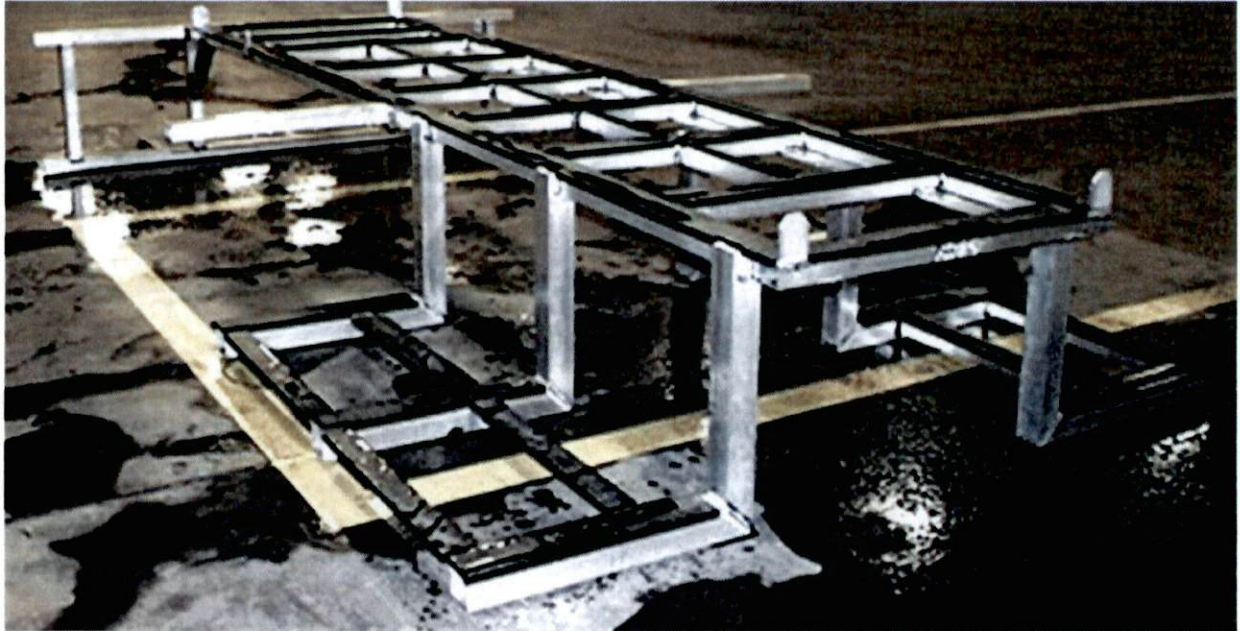


High strength material is used in our “reverse shoulder” construction to create full body support for the heaviest items you can carry and maximum durability. The upper portion of the cradle is specifically designed to meet the strict guidelines for tank support as presented by the tank manufacturer.

The weight bearing cradle for the tank and outer body compartments is constructed of welded tubular steel. Longitudinal supports are 2.0” x 3.0” with interior lateral supports of 2.0” x 4.0” and 2.0” x 2.0” in configurations that are designed specifically for the type of tank and tank size.



Body & Tank Cradle



A rubber isolating strip is placed on each support of the cradle that contacts the tank. This separation protects the tank from potential wear created by chassis twist and tank movement.

Body and/or cradle fabrication begins on specially designed jigs. The jigs ensure the body is square and built exact to the dimensions and compartment layout as called for.



Body & Tank Paint



Paint process takes place in our state of the art painting booths according to the exact guidelines of PPG by certified paint specialists.

Base coat/clear coat process is completed by a bake process that creates a harder and more scratch-resistant surface.

Machine-finished prior to assembly of complete apparatus.

Backed by a 10-year paint warranty.



All-Poly® Body & Tank



All-Poly® body & tank design allows for maximum customization.

Made from high quality, $\frac{3}{4}$ " copolymer polypropylene and more impact resistant than steel or aluminum, our All-Poly® tanks and bodies are constructed with leak-proof extrusion welds that are guaranteed never to rust or corrode.

Capable of holding up to 4,000 gallons and built with a low center of gravity means that you will deliver large amounts of water safely and efficiently. Better yet, All-Poly® tanks and bodies come with a lifetime warranty.



Quality Control



The procedures followed by the Midwest Fire crew ensures that company quality control is followed. Inspections are conducted throughout the assembly processes, specifically: electrical, paint, body set-up, body construction and plumbing.

At the time of completion a final inspection takes place according to **UL guidelines**. This rigorous (approx. 5hrs) in-house test provides complete confidence in the overall safety, quality and operation of the fire apparatus.



Weekly Progress Report



North Whidbey Fire and Rescue

Job #2616
All-Poly PT2 2500

12



Once production has begun, a weekly posting is made so you can follow the progress.

Progress reports can be accessed with a personalized account.



Customer Inspection & Training



Training to our customer includes a review of specifications to ensure compliance. Additionally, this review ensures the fire apparatus is built and operates to the satisfaction of our customer. This process includes training in the operation of the individual components of the fire apparatus as well as the complete vehicle. It will also include a review of warranty and arrangements for service of the product once the apparatus is in your possession.



Showroom



THE SHOWROOM – Ready for the Customer!



Proud Partnerships & Memberships



Proud Member

NATIONAL ASSOCIATION OF
Manufacturers



MEMBER
FIRE APPARATUS
MANUFACTURERS'
ASSOCIATION



FEMA



HGACBuy
THE SMART PURCHASING SOLUTION





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
07/31/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Boen & Associates, Inc. 307 W. 41st Street PO Box 89010 Sioux Falls SD 57105	CONTACT NAME: Erin Reilly PHONE (A/C, No, Ext): (605) 336-0425 E-MAIL ADDRESS: erinr@boenassociates.com	FAX (A/C, No): (605) 336-8187
	INSURER(S) AFFORDING COVERAGE	
INSURED Rock River Industries, LLC, DBA: Midwest Fire Equipment & Repair Co. 901 Commerce Rd PO Box 524 Luverne MN 56156	INSURER A: United Fire & Casualty Company NAIC #: 13021	
	INSURER B: USLI	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** 20/21 **REVISION NUMBER:**

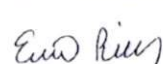
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			60518009	08/09/2020	08/09/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPI/OP AGG \$ 2,000,000 Employee Benefits \$ 1,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY <input type="checkbox"/> AUTOS ONLY			60518009	08/09/2020	08/09/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist \$ 1,000,000
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 100,000			60518009	08/09/2020	08/09/2021	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A	60518009	08/09/2020	08/09/2021	PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
B	Employment Practice Liability			EPL1569999	08/09/2020	08/09/2021	250,000/1,000 ded

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 



MIDWEST FIRE



440

MILLS TWP.
FIRE DEPT.
440

