



***THE REFURB LEADER!***

**PROPOSAL**

2005 INTERNATIONAL 7400

TYPE 3 BRUSH TRUCK

REFURBISHMENT

THIRD DRAFT

**Prepared For:**

Sparks Fire Department  
1605 Victorian Avenue  
Sparks, NV - 89431  
Attn: Chief Jim Kindness  
Phone: (775) 353-2255

**Prepared By:**

Firetrucks Unlimited  
1175 Center Point Dr.  
Henderson, NV 89074  
Phone: (702) 558-3352  
FiretrucksUnlimited.com

## Refurbish & Upgrade Your Fire Truck with Firetrucks Unlimited

Do you have a truck that is towards the end of its first life? Is your department operating on a limited budget? If so, we're here to help! We will refurbish and upgrade your trucks or provide premium quality refurbished trucks from our inventory. Refurbishment is a proven fleet replacement strategy that adds 15 years of life to your truck for 60% less than buying new.

Firetrucks Unlimited is the most sought-after fire truck refurbishment company in the country. We believe the quality of a refurbished fire truck should be on par with a new truck to truly be considered "refurbished". We've delivered hundreds of refurbished trucks to departments all over the world and would love the opportunity to work with your department.

### What is Fire Truck Refurbishment?

Fire truck refurbishment is the process of repairing, replacing and upgrading fire truck components to transform the truck into a better than new state. Upon completion, your truck will look and feel just like a new truck and will cost roughly 60% less than buying new.

### Refurbs Add 10-15 Years of Service For 60% Less than Buying New!

The huge cost savings you enjoy by refurbishing your trucks helps you stay on budget and keep your fleet ready for action. We also offer financing options to help you get the equipment you need right away!

### Typical Refurbishment Projects Include 150+ Services

- Re Manufacturing the Engine, Transmission, and Cooling Package
- Overhauling the Pump, Suspension, Brakes and Hydraulics
- Full Disassembly for Repaint, Striping & Decals
- Upgrading Cab Interiors, Technology, Lighting, Safety and Pumps
- Re Configurations & Fabrication
- Extensive Testing & Quality Control
- Pump and Aerial Certification
- Much, Much More!

### We Make it Easy for You

We provide a free assessment of your fleet and produce an easy to read refurbishment proposal that you can customize. Whether you just need a simple repair, or a full refurbishment, we provide flexible solutions that maximize your value and stay within your budget.

## Come See Our Purpose-Built Fire Truck Refurbishment Facility

We built our 50,000 sq. ft. facility in Henderson, NV from the ground up to refurbish fire trucks. We encourage customers to visit our facility to see our dedication to producing the best refurbished equipment for your department.



## How it Works



**BEFORE & AFTER**

### **Assessment**

We work with you to determine which trucks in your fleet are good candidates for refurbishment. If your fleet doesn't have any good candidates, we offer high quality core fire trucks from our inventory that are ready for refurbishment.

### **Proposal**

We provide an itemized proposal often including over 150 refurbishment services. We'll work with you to customize the proposal to meet your department's specific needs.

### **Refurbishment**

Your truck will be transported to our 50,000 sq. ft. facility where certified EVT's will perform the refurbishment work. Rigorous quality control checks are performed at each station to ensure exceptional quality. Your dedicated Project Coordinator will be in constant contact to keep you current with the progress of your refurb.

### **Final Inspection & Delivery**

Your team will visit our facility near Las Vegas to inspect the finished truck. We review the project scope together to ensure you are fully satisfied with the work performed before your truck returns to service. Your truck will be driven to your station or delivered via heavy hauler.

### **Warranty & Support**

You can count on Firetrucks Unlimited to support you before, during and after the project. Your warranty period begins upon delivery and any issues you have will be immediately addressed by our support team.

# Featured Refurbishment Projects

*Visit our web site [FiretrucksUnlimited.com](http://FiretrucksUnlimited.com) to see over 30,000 photos of refurbished fire trucks!*



## Why Choose Us?

### **Refurbishment Experience**

We've delivered hundreds of fully refurbished fire trucks for front line service, more than any other company.

### **Specialized Refurbishment Facilities**

Our 50,000 sq. ft. facilities are specially designed for fire truck refurbishment which results in higher quality and lower costs for the customer. Come visit us, we love to give tours!

### **We Service Every Make and Model**

Your mixed fleet of fire apparatus is no problem for us. We have completed refurbishments on many different brands of fire apparatus.

### **Factory-Trained Certified Emergency Vehicle Technicians**

Your truck will be worked on by factory-trained certified EVT's who are passionate about their work and strive to continually improve our quality.

### **Keep the Trucks You Trust**

You've spent years with your trucks. You know how they operate and trust they can perform when needed. Refurbishment keeps the trucks you know and love in service for many years to come!

### **Nationwide & International Service**

We provide service to every U.S. state and to international clients.

### **Rental Units Available**

We provide quality rental fire trucks during the refurbishment if needed to keep your department fully equipped.

### **Fastest Turnaround Times**

We have the fastest turnaround times in the industry due to our specialized refurbishment process. Refurbishing your fire truck typically takes between 120 and 180 days. Buying a new truck can take up to two years.

### **Adds 10-15 Years of Service**

You can expect your refurbished fire truck to give you another 10-15 years of service with regular maintenance.

## Our Partners

We're partnered with industry leading brands. The equipment on your refurbished truck will be the same as any new truck.



### The Best Price

Refurbishment at FTU typically costs 60% less than buying new. There are no hidden charges, we give you a great price up front and stick to it. We work with you to customize a project that is the right size for your specific needs and budget.

### Financing

Working on a tight budget? Contact us and we will explain how to finance your refurbishment.

### We Stand Behind Our Work

You can count on Firetrucks Unlimited to support you before, during and after the project. Every truck we refurbish comes with a one-year warranty on all items in the statement of work. In addition, all warranties offered by the manufacturers of new components are extended to the customer. Our nationwide service capabilities ensure any warranty claims you may have will be addressed asap.



## A Family Owned Business That Cares

Firetrucks Unlimited was founded by Stuart Reyburn in 2007 to provide quality refurbished emergency equipment to fire departments in need. He recognized that fire departments on tight budgets still need quality equipment to keep their communities safe. His experience with heavy equipment repair, business, and firefighting put him in a unique position to create a one of a kind business, Firetrucks Unlimited.

The popularity of refurbishments and remounts caught on quickly, so his wife Cindy and two sons Brian and David joined the team to help keep up with the demand and grow the business. Since then, we have become the most experienced and largest fire truck refurbishment company in the world.

*We care about our customers and the communities they serve.  
It's what drives us!*



CUSTOMER SATISFACTION  
IS OUR TOP PRIORITY



## What Customers Say About Firetrucks Unlimited

### Shawn Murphy

*Fleet Manager*

*Buckeye Valley Fire District*

*Pierce Saber Pumper Refurbishment Project*



"Firetrucks Unlimited did a great job on refurbishing a used truck we purchased, we saved 300k over purchasing a new truck and we were able to get a lot more upgrades than if we purchased new, especially for the cost! The staff and mechanics are great. Special thanks to Richard, who was always there to answer all my questions. Everything on the truck works flawlessly. Thanks Again!"

### Ted Martin

*Fire Chief*

*Mohave Valley Fire Department*

*Pierce Quantum Pumper Refurbishment Project*



"The most comprehensive fire apparatus refurbisher in North America!"

### Rusty Coleman

*Fire Captain*

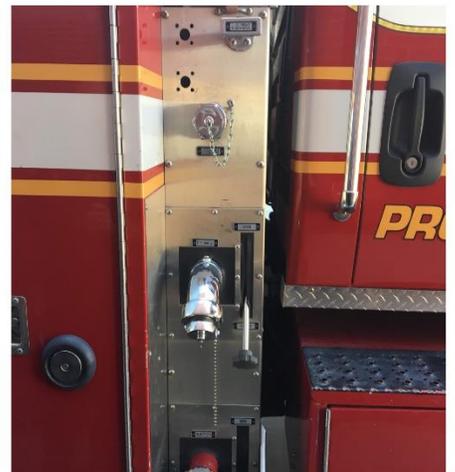
*Northstar Fire Department*

*Hi Tech Pumper Refurbishment Project*



"The mechanic team was professional and skilled. All of us who attended the final commented on how the mechanics all showed so much pride in their work. This definitely left us feeling good about the project. We are very happy with the experience and would use your company again."

# 2005 International 7400 Type 3 Brush Truck Photos





Customer  
SPARKS FIRE DEPARTMENT  
1605 VICTORIAN AVENUE  
SPARKS, NV

Quote: 10350 (3)  
Estimate: 000273  
Quote Date: 2019/09/04  
Expires: 2019/12/03

## 01 CONDITION AND SCOPE

### 01.05 Level II Refurbishment

The fire apparatus shall be refurbished to the Level II standards of the NFPA 1912 Standard for Fire Apparatus Refurbishing Current Edition.

### 01.10 Break Down Apparatus

The apparatus shall be disassembled including removal of all bolt on items, interiors, and major components.

### 01.15 Incoming Inspection

Upon arrival, the apparatus shall be inspected, road tested, and pumped (if applicable) per the NFPA 1911 Standard for Inspection, Maintenance and Testing of In-Service Automotive Fire Apparatus. A complete inspection checklist shall be completed and system/component deficiencies identified which are not scheduled to be repaired/replaced shall be communicated to the Purchaser.

### 01.20 Shipping

The Purchaser shall deliver the apparatus to Firetrucks Unlimited. Upon completion of the refurbishment, the Purchaser shall be responsible for pickup of the apparatus. A freight quote can be provided upon request.

### 01.25 Weights

As part of the incoming inspection, the apparatus shall be weighed (both axles). Upon completion of the refurbishment, the apparatus shall be weighed again (both axles). The refurbished apparatus will not exceed the GAWR and GCWR, or GVWR of the chassis when carrying the estimated in-service weight of the unequipped apparatus as defined in NFPA 1912 Section 4.8.2.

## 02 FRAME

### 02.01 Frame Rails - Inspect & Advise

The frame shall be inspected for wear, broken or loose bolts or other fittings, bent or damaged members, or other problems. The Purchaser will be notified in writing of any problems or abnormal conditions discovered during the inspection.

## 03 DRIVE TRAIN

### 03.10 Universal Joints & Carrier Bearings (4x4)

The drive shafts shall be removed and the universal joints and carrier bearings shall be replaced with new. The new components shall meet component OEM's recommendations. The drive shafts shall be re-balanced and re-installed.

## 04 ENGINE

#### **04.40 Belts and Filters**

All engine belts and filters shall be replaced.

### **05 COOLING SYSTEM**

#### **05.10 Coolant Lines**

All coolant lines shall be replaced with new heavy-duty silicone hose. All clamps shall be replaced.

#### **05.15 Radiator & Charge Air Cooler Overhaul**

The radiator shall be completely removed and re-cored. The radiator shall be reassembled with new hardware, sight glass, filler neck, drain plug, and gaskets. The rebuilt radiator shall be painted black, reinstalled and new coolant meeting the engine manufacturers specifications shall be added. The charge air cooler shall be cleaned and pressure tested. The charge air cooler shall be re-installed using new silicone hoses. All clamps shall be replaced.

### **06 LUBRICATION SYSTEM**

#### **06.10 Oil and Fluids**

All chassis fluid shall be replaced including engine oil, coolant, gear oil, transfer case oil, and window washer fluid.

### **07 FUEL & AIR SYSTEMS**

#### **07.20 Air Governor**

The air governor shall be replaced with a new air governor meeting OEM specification.

#### **07.25 Air Dryer**

The air dryer shall be replaced with a remanufactured air dryer meeting OEM specification.

### **10 BRAKING SYSTEM**

#### **10.05 Brake Chambers, Shoes, Drums, Slack Adjusters**

The front and rear brakes shall be replaced to include brake chambers, shoes, drums and slack adjusters. The components shall meet OEM specifications.

### **11 SUSPENSION & WHEELS**

#### **11.05 Springs, Pins, Bushings, U Bolts**

The front and rear spring suspensions shall be replaced with new components meeting OEM specifications including GVWR, GCWR, and GAWR ratings. Replaced components include springs, pins, bushings, and U bolts.

#### **11.10 Shocks**

The front shocks shall be replaced with new meeting OEM specifications.

### **11.25 Mud Flaps**

The mud flaps shall be replaced with new heavy-duty rubber mud flaps with Firetrucks Unlimited logos.

## **12 STEERING**

### **12.05 Tie Rod Ends**

The tie rod ends shall be replaced with new meeting OEM specifications.

### **12.10 Drag Link**

The drag link shall be replaced with new meeting OEM specifications.

## **13 TRANSMISSION**

### **13.02 Transmission Service**

The transmission shall be serviced with new Transynd synthetic transmission fluid and transmission filter.

## **14 ELECTRICAL SYSTEMS**

### **14.10 Heavy Gauge Battery Wiring**

The wiring from the batteries to the starter shall be replaced with new meeting OEM specifications.

### **14.11 Chassis Wiring Harness**

The chassis wiring harness shall be inspected including the condition of the wires, connectors, relays, fuses and/or circuit breakers and related components. The chassis wiring system shall be repaired including chafing, shorts, loom, frayed wires, bad connections, and faulty components.

### **14.12 Body Wiring Harness**

The body wiring harness shall be inspected to including the condition of the wires, connectors, relays, fuses and/or circuit breakers and related components. The body wiring system shall be repaired including chafing, shorts, bad connections, and faulty components.

### **14.14 Warning Lights - Zone A/B/C Upper**

The light bar shall be removed and replaced with a new 60" Whelen Cenator light bar. The light bar shall be populated with eight (8) red forward-facing flashing LED modules, and four (4) red side facing flashing LED modules unless otherwise specified by the purchaser. The lenses shall be clear.

### **14.16 Warning Lights - Zone A Lower**

The forward-facing emergency lights shall be replaced Whelen LED C6 SurfaceMax light head(s). The LED color and lens color shall be red unless otherwise specified by the Purchaser. The light heads shall be mounted either in a common bezel with the front turn signal or in a separate chrome bezel.

**Quantity:** 2

### **14.18 Warning Lights - Zones B/D Lower**

The side facing emergency lights shall be replaced with Whelen C6 SurfaceMax LED light head(s). The LED color and lens color shall be red. The light heads shall be mounted in a chrome bezel.

**Quantity:** 2

#### **14.20 Warning Lights - Zone C Lower**

The rear facing emergency lights shall be replaced with C6 SurfaceMax LED light head(s). The LED color and lens color shall be red. The light heads shall be mounted either in a common 4 pack chrome bezel with the rear brake turn and tail lights or in a separate chrome bezel.

**Quantity:** 2

#### **14.23 Clearance/Marker Lighting**

The clearance/marker lighting shall be replaced with new LED light heads similar in shape and size to the original clearance lighting.

#### **14.24 Brake, Reverse & Turn Signals**

The brake, reverse and turn signal lighting shall be replaced with new Whelen 600 Series 5mm LED Brake/Tail, Turn and Backup light heads. Existing 4 pack bezel shall be re-installed.

#### **14.25 Reflectors**

The red and amber reflectors shall be replaced with new meeting DOT standards.

#### **14.28 Ground Lighting**

New 4" round white LED constant duty light heads shall be installed under the apparatus in stepping areas. The lights shall be mounted in an angled bracket below the cab doors, below the pump panels (if applicable), below the rear of the body on the drivers and passenger's sides, and below the rear of the apparatus. See notes for quantity.

**Quantity:** 10

#### **14.29 Compartment Lighting**

The compartments shall have a full-length LED strip light installed on the forward vertical frame of the compartment. The compartment light shall be illuminated when the compartment door is opened and turn off when the compartment door is shut.

#### **14.30 Step Lighting**

The body step lights shall be replaced with new LED light heads of similar shape and size to the original lighting.

#### **14.31 Work/Hose Bed Lighting**

The existing work/hose bed lighting at rear and on cab shall remain.

#### **14.44 Center Console**

The existing center console and mounting shall remain as is.

#### **15.05 Inverter**

The existing inverter shall be tested for proper operation.

### **17 DRIVING & INTERIOR**

### **17.19 Cab Door Seals**

The cab door seals shall be replaced with new OEM door seals. The doors shall be adjusted for proper fit after new seals are installed.

### 17.22 Upholstery

Existing upholstery shall remain as is.

### 17.26 Flooring

The flooring shall remain as is.

### **17.46 Warning Stickers**

The required safety labels inside the cab and around the apparatus shall be replaced with new.

### **17.49 Cab Hardware**

Broken or missing cab hardware including latches, A/C louvers, clips, hooks, switches, and brackets shall be replaced as necessary.

### **17.50 Heating**

The cab heater system shall be inspected for proper operation. Heater hoses shall be replaced with new. If the heating system is not functioning correctly, Firetrucks Unlimited shall notify the Purchaser in writing of any problems discovered during the inspection.

### 17.51 Air Conditioning

The air conditioning system shall be inspected, evacuated, and recharged. A new dryer shall be installed and a/c lines shall be replaced as needed.

**Added in Draft#: 2**

## **18 BODY & EQUIPMENT**

### **18.10 Compartment Doors - Hinged**

The compartment doors shall be inspected for proper operation. Doors shall be adjusted and lubricated as necessary. If door stay tabs are wallered out, then the hole in the tab shall be rewelded and a new hole drilled.

### **18.11 Doors Stays/Gas Shocks**

Door stays and/or gas shocks shall be inspected for proper operation. Damaged or non-functioning stays/shocks shall be replaced with new.

### **18.12 Seals - Hinged**

The compartment door seals shall be replaced with new meeting OEM specifications.

### **18.13 D Ring adjustments**

The compartment D Ring handles shall be lubricated and adjusted for proper fit and operation.

### **18.30 Grab Rails Body**

The body exterior grab rails shall be replaced with new aluminum knurled handrails with new chrome stanchions and rubber gaskets.

### **18.42 Dry Deck**

The compartment floors and shelving shall have new dry deck flooring installed.

### **18.90 Diamond Plate Cleaning & Polishing**

All non-welded exterior aluminum diamond plate shall be removed from the apparatus. The diamond plate shall be chemically cleaned, de-oxidized and machine polished. Upon reinstallation of diamond plate, a new gray seam seal bead shall be applied to prevent water intrusions behind the diamond plate.

## **19 PAINT & GRAPHICS**

### **19.25 Frame Rail**

The frame rail shall be inspected and surface rust shall be treated. The frame shall be refinished with a heavy-duty black frame rail paint or existing color.

### **19.55 Pump and Plumbing**

The pump enclosure and plumbing shall be refinished with low gloss black paint.

### **19.70 Reflective Striping**

3M Scotchlite striping will be provided. The stripe will be applied on a minimum of 60% of each side, 60% on the rear, and 40% on the front of the unit. The Scotchlite stripe layout will be specified by the Purchaser. The Purchaser will specify the color of the Scotchlite striping.

### **19.75 Chevrons**

Rear facing vertical surfaces will be covered with alternating stripes of reflective material specified by the Purchaser. The Purchaser will specify which surfaces will be covered.

## **20 PUMP & EQUIPMENT**

### **20.13 Waterous Rebuild Pump & Gear Box**

The pump bodies, impellers and transfer valves shall be flushed with clean water. The Purchaser shall be notified of any cracks in these components. The pump transmission shall be removed and internal components shall be inspected. Inspect for damage, pitting, spider cracks, bad bearings. The bottom half of the pump volute shall be lowered and inspected. An entirely new impeller assembly will be installed including impellers, wear rings, and seals/gaskets. Standard packing is included. The pump drive unit and driveline will be reinstalled. The driveline and drive unit will be serviced, including oil change in the drive unit and greasing of the U-joints.

Waterous Pump - 500 GPM CPK-3

The auxiliary pump motor shall be serviced. The pump end shall be disassembled cleaned a resealed.

**Added in Draft#: 2**

### **20.28 Pump Test**

The pump shall be dynamically tested for leaks and to ensure the performance meets the checked for correct operation within the manufacturers operating parameters. A Firetrucks Unlimited pump certification will be provided when the work is complete.

### **20.29 Discharge and Intake Relief Valves**

The relief valve body will be removed from the pump body, thoroughly cleaned and inspected for pitting and other evidence of wear. Small imperfections will be sanded or honed to reduce the size and allow smooth operation. The relief valve will be reinstalled and tested to assure proper operation per the manufacturers and NFPA standards.

### **20.30 Rebuild Discharge & intake valves**

All discharge, tank fill, tank to pump and auxiliary inlet valves will be removed from the adjacent piping to facilitate cleaning and allow bench rebuilding. The valve seals and ball will be removed and replaced with new stainless-steel type (Akron only). New seals and O-rings will be installed per manufacturer's recommendation. The clapper valve shall be replaced.

### **20.33 Drain valves**

Drain valves shall be exercised and lubed for proper operation. Any drain valves not operating correctly shall be replaced with new.

### **20.35 Discharge Pressure Gauges**

Inoperable, leaking, cracked or discolored discharge pressure gauges shall be replaced with new.

### **20.40 Engine & Fuel Gauges**

Pump panel gauges shall be replaced with include engine hours and temperature gauges.

### **20.41 Pump Panel Lighting**

New LED lights will be installed on the pump panel.

### **20.48 Intake Screens**

The pump intake screens shall be replaced with new.

### **20.50 Pump Panels**

The pump panels shall be completely disassembled including removal of gauges, valve linkage, caps, plumbing, placards, throttle, etc. The pump panel shall be cleaned prior to reassembly.

### **20.51 Color Coded Tags - Pump Panel**

Damaged or missing color-coded identification tags on the pump panel shall be replaced with new. We will match the existing colors when possible unless otherwise specified by the Purchaser.

### **20.52 Caps & Chains**

The discharge caps and chains shall be replaced with new chrome caps and chains.

## **21 FOAM SYSTEM**

### **21.10 Flush & Test**

The foam system shall be flushed and thoroughly cleaned of all contaminants. The foam system shall be tested for leaks and proper operation.

21.20 Foam Tank Level Gauge(s)

A Fire Research, model #WLA260-A00, "TANKVISION" GA that shows the actual volume of foam in the foam cell shall be provided on the pump operator's panel.

**22 WATER TANK**

22.05 Water Tank Level Gauge(s)

A Fire Research, model #WLA200-A00, "TANKVISION" GA that shows the actual volume of water in the tank shall be provided on the pump operator's panel.

**26 GENERAL**

**26.01 Re Assembly**

Upon completion of mechanical overhaul and paint processes, items previously removed and not specifically addressed in the above statement of work shall be re-installed on the vehicle including: grab rails, rub rails, emergency lighting, DOT lighting, scene lighting, diamond plate, steps, bumpers, tow hooks/eyes, doors, cab interiors, antennas, radios, hose bed, hose bed dividers, reels, monitors, brackets, shelving, ladder rack, hard suction mounts, door handles, door hardware, panels, mirrors, windshields, speakers, air horns, fenderettes, and grills.

**26.02 Wash & Detail**

Prior to deliver the vehicle, the interior and exterior be cleaned and detailed. The finalization process detailing will include installation of NFPA required labels, checking fluid levels, sealing and caulking required areas of the cab and body, rust proofing, paint touch-up, etc.

**26.08 Warranty & Overhead**

Upon commencement of the project, a dedicated Project Coordinator will be assigned as the primary point of contact for the client. Scheduling, pre-construction meetings, progress photos, periodic updates, inspections and change communications will flow through the Project Coordinator.

<b>Approved By:</b>		<b>Total:</b>	<b>\$107,901.00</b>
<b>Signature:</b>			
<b>Date:</b>			

Terms and Conditions

Quote dated 09/27/2019

Quote valid for 90 days

Payment terms 50% down, 50% upon completion

Any customer supplied items may be subject to installation charge.