



After **SVI Refurb**



Greeley, CO Aerial Refurb

Existing Chassis

E-ONE

Before **Refurb**



Refurbishment Details

- Repainted Apparatus Red
- Updated Graphics and Chevrons
- Inspected Apparatus Ladder and Mechanical
- Fabricated and Installed Diamond Plate Bumper Cover
- Updated Emergency and Scene Lighting
- Rewired Apparatus to Current DOT and NFPA Compliance
- Fabricated Aluminum Door for Ladder Storage Bay
- Removed, Cleaned, Repaired and Reinstalled Radiator

Greeley Fire Department E-ONE Aerial

Refurb Specs

ELECTRICAL

- Rewired apparatus to ensure current DOT and NFPA compliance as well as dependability in operations during harsh weather environments including substantial water exposure
- Replaced wiring harness system with a new-style multi-plex system

CHASSIS:

- Insta-Chain snow chains shall be installed on the rear axle; The chains shall be engaged by a switch located in the driver's position. Location of switch to be determined at pre-build meeting
- Inspected all braking components for wear and air leaks at all hoses, fittings, and couplings

FRONT BUMPER:

- Heavy duty iron bumper installed to accommodate all required crash protection and carry all specified equipment
- Mounted a hydraulic TNT spreader unit under enclosure
- Fabricated and installed a diamond plate hinged cover
- Repaired TNT hydraulic pump
- Updated air horn system with Grover system

COMPARTMENTS:

- Patched all holes including light relocation holes
- Installed LED light stick lighting in every body compartment
- Installed heavy duty roll-off equipment trays in compartments C-4 and S-4
- Installed a full-height vertical slide-out tool board in compartment S-3

GROUND LADDER/EQUIPMENT STORAGE:

Fabricated a hinged aluminum door to close the ground ladder storage bay

AERIAL TURNTABLE:

- Painted aerial operating console to match the body of the apparatus
- Installed a hinged metal lid enclosure to cover and protect the aerial controls
- Inspected turntable personnel guard rail system thoroughly to ensure its adequacy for use
- Affixed tool boxes to the turntable in order to store 3 heavy-duty personal ladder safety belts and (2) Stihl chainsaws

AERIAL LADDER AND COMPONENTS:

- Removed and cleaned outrigger stabilizer jacks
- Assessed, repaired and replaced micro-switches controlling lighting and ground/stabilization sensors
- Replaced marker lights on outriggers with LED lights
- Assessed and replaced all cables and sheaves with broken wire strands, frays and/or indentations and abnormal wear
- Replaced aerial slide pads and stops
- Installed an aluminum diamond plate storage compartment for the Stokes rescue basket.
- Mounted a 6-foot Fire Hooks Unlimited Arson-Trash hook with D-ring handle and New York Roof Hook on the base section of the aerial ladder

AERIAL HYDRAULIC SYSTEM

- Thoroughly inspected all hydraulic hoses, fitting, connectors, couplings, and pumps to ensure safe, effective, and efficient operation.

PAINT AND GRAPHICS:

- Stripped and repainted apparatus red
- Replaced Greeley Fire Department chevrons, logos and lettering on each side of the apparatus body as well as on the "parade boards" mounted to the aerial ladder

MECHANICAL:

- Removed, cleaned, assessed, repaired and reinstalled radiator
- Removed existing front axle and replace it with a 20,000 GVW axle with a SN7 Air Disc Brake Caliper with Type T24 Actuator CPL

OTHER SYSTEMS:

- Installed a 120V, 30 amp electrical cord reel on each side of the body

EMERGENCY AND SCENE LIGHTING:

• Added lights to:

Cab Front Lightbar:

- (1) F4NIQLED, 81" Freedom 4 Series Led Light Bar w/ NFPA Spec Light Heads
- (1) 795H, GTT LED Opticom Emitter installed in above

Cab Front (Lower):

- (2) M6T, M6 Series LED Turn Arrow
- (2) M6RC, M6 Series Super-LED warning light, RED w/ CLEAR lens
- (4) M6HDLMTK, M6 Series light head bracket kit for headlight housing

Roto-Ray Light Heads:

- (2) P46FLR, PAR46 Series Super-LED, RED w/ CLEAR lens
- (1) P46FLC, PAR46 Series Super-LED, WHITE w/ CLEAR lens

Bumper (Front Facing):

- (2) M6RC, M6 Series Super-LED warning light, RED w/ CLEAR lens

Bumper (Side Facing):

- (2) M6V2RC, M6 V-Series Super-LED warning light/Ground Light, RED w/ CLEAR lens

Officer Side/Engineer Side:

- (1) PCPSMC, Pioneer Series surface mount LED Scene Light, Single Panel, CHROME Flange
(Mounted in between front and rear doors, above side air intake.)
- (1) M6V2RC, M6 V-Series Super-LED warning light/Ground Light, RED w/ CLEAR lens
(Mounted over front wheel well)
- (1) M4V2RC, M4 V-Series Super-LED warning light/Ground Light, RED w/ CLEAR lens
(Mounted over rear wheel well)
- (3) WIONSMR, ION Series Super-LED, Wide Angle, RED w/ CLEAR Lens
(Mounted in the side lower rub rails)

Rear Upper:

- (2) L41AP, L41 Series LED Beacon, AMBER w/ AMBER lens
- (1) PSR00XRR, Strip Light, 5MM LED, Brake/Tail/Turn
- (1) TANF85, 500 Series Linear-LED Traffic Advisor

Rear Lower:

- (2) M6FCV4, M6 Series four light vertical housing
- (2) M6BTT, M6 Series Brake/Tail/Turn
- (2) M6T, M6 Series Turn Arrow
- (2) M6BUW, M6 Series Back Up light
- (2) M6RC, M6 Series Super-LED warning light, RED w/ CLEAR lens
- (2) M6RC, M6 Series Super-LED warning light, RED w/ CLEAR lens
(Mounted on the side of the rear uprights, Side facing)

Rear Spot/Flood Lights:

- (1) PFBPI2, 12 LED Flood Light w/ T-Handle, Switch
- (1) PSBPI2, 12 LED Spot Light w/ T-Handle, Switch
(Both mounted at top edge by turn table)

Rear Inner Step Light:

- (8) 3SC0CDCR, 3" Round LED, Surface Mount, WHITE w/ CLEAR Lens

Cab Interior (Dome Lights):

- (4) 60CREGCS, 6" Round RED/WHITE LED Dome Light, w/ Switches

Cab Interior (Door Open Warning Light):

- (1) OSR00FCR, OS Series LED Warning Light, Flasher, RED

Cab Doors:

- (4) 3SR00FRR, 3" Round Warning Flasher, RED w/ RED Lens
(Mounted to inside of door to flash at traffic when opened)

Cab Step Wells:

- (4) 3SC0CDCR, 3" Round, LED White light head
(Mounted in cab step wells to turn on when doors are opened)

Under Body Lights:

- (12) 20C0CDCR, 4" Round Super-LED Light head, WHITE w/ CLEAR Lens
- (12) 2GROMMET, 4" Round Grommet Mount Kit

Aerial Tip Lights:

- (2) PFIAP1, Pioneer Plus Series LED Flood Light
(Mounted at tip of aerial)
- (2) PBAPEDA, Pioneer Pedestal Mount Kit (For Above)

Aerial Tracking Lights:

- (2) MPBW, Micro Pioneer Series Super-LED Scene Light, WHITE w/ Universal Bail Mount

Side Scene Lights:

- (4) PCP3AP1, Pioneer Plus MAX Series LED Flood/Spot Light
- (4) 87312001, Pioneer Series Ground Tri Pod Mount Kit (For Above)

Aerial Turn Table Flashing Lights:

- (4) 2FR00ZRR, 4" Round LED Flashers, RED w/ RED Lens
- (4) 2FLANGEB, 4" Round Flange Kit, BLACK

Outrigger Warning Lights:

- (4) 2FR00ZRR, 4" Round LED Flashers, RED w/ RED Lens
- (4) 2GROMMET, 4" Round Grommet Mount Kit
- (8) MCRNSR, Micron Series Super-LED Warning Light, RED w/ CLEAR Lens
(Mounted to the front and rear of the outriggers)

Compartment Lights:

- Use the Fluorent Series Strip Light, (Sizes vary by compartment size)