

UST Stock Skid Unit

WARRANTY COVERAGE

The Apparatus Manufacturer shall warrant the new fire apparatus to be free from manufacturing defects in material and workmanship.

100% Parts and labor coverage for a period of five (5) years on the aluminum frame and body assembly against full perforation as a result of rust or corrosion and failure of structural integrity due to manufacturing defects in material and workmanship.

100% Parts and labor coverage for a period of one (1) year on any item not mentioned above.

MANUALS

Two (2) sets of a complete operation and service manual on **USB Drives** covering the completed apparatus shall be included at the time of completion.

BODY (FLAT BED)

One (1) **Alum-Line** aluminum flatbed body, **135" long x 96" wide**. The aluminum plate used in construction is .125" 3003-H22 polished aluminum alloy tread plate.

Body sub-frame is made from 6061-T6 aluminum 3.00" I-beams. Sub-frame cross members are installed every 12". The body cross members shall extend the full width to support the compartment framing and shall be welded to the sub-frame main members.

Headache rack in front of bed will have an integrated light bar mount and louvered window in the headache rack to protect the rear of the cab.

The perimeter shall be made with 1/8" thick forged 3003H14 Aluminum. Forged aluminum brings a strong design that was specially made to embed emergency lighting & designed to fit properly a 4" reflective stripping.

The body shall be attached to the chassis rails with a minimum of four (4) heavy duty "U" bolts the body shall be separated from the chassis by Duro rubber attachment of the body and sub-frame will allow the body to resist from all distortion and off road operational condition.

The body is a modular design to allow removal from the chassis for major repair or mounting on a new chassis. Isolating material between the body and the chassis to be installed.

All welding shall be done electrically using 5356 aluminum welding wire.

Rear vertical skirt will be made from 1/8" 3003-H22 aluminum alloy

Rear skirt to include Signal, brake, reverse lights, D.O.T.,

LED Signal, brake and reverse lights will be High Quality Automotive lights recessed mount into rear aluminum skirt area of body per FMVSS 108 and CMVSS 108 requirements. Light to be LED

Amber & Red reflectors shall be installed around the perimeter of the bed as per DOT requirement.

Stepping height from the ground to the first step shall not exceed 24" per NFPA. A fixed 8.00" heavy duty step bumper.

BODY / BED FIVE YEAR LIMITED WARRANTY

Subject to the requirements, exclusions and limitations stated below, the structure of your Alum-Line Product is warranted to the original retail purchaser against defects in materials and workmanship by Alum-Line, Inc., 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 and exterior walls, roof rails and bows and the sub frame, excluding the running gear, and floor boards.

Compartments:

Streetside - (x2) 66.25"W x 30" H x 17.50" Deep
Curbside - (x2) 66.25"W x 30" H x 17.50" Deep

N.F.P.A. STRIPING

In accordance with the guidelines of **NFPA Pamphlet #1906**, a retroreflective stripe(s) shall be affixed to at least 50% of the cab and body length on each side (excluding pump panel areas), and at least 25% of the width of the front of the apparatus.

The stripe or combination of stripes shall be a minimum of 4" (100mm) in total width.

Reflective striping shall also be applied on the inside of the chassis cab doors.

N.F.P.A. STRIPING COLOR

The reflective stripe(s) shall be **WHITE** in color.

CHEVRON STRIPING

Chevron striping shall be provided and installed at the rear of the apparatus. Striping will be 6" wide red/fluorescent yellow green diamond grade reflective and installed in an inverted "V" pattern.

CHASSIS MODIFICATIONS

All NFPA pamphlet **#1906** warning and information placards shall be provided and installed.

MUD FLAPS

Black rubber mud flaps, with Manufacturer's logo, shall be provided and installed behind the rear wheels.

FUEL FILL

The fuel fill spout and cap will be recessed mounted into the bed rail on the driver's side, behind the rear axle. The fill hose will be extended from the body side to the fuel tank.

ELECTRICAL SYSTEM (V-MUX)

The electrical system for the apparatus body will be engineered as an integrated package specifically for fire apparatus application. It will be comprised of a central power distribution panel which interfaces with the chassis and body electrical units through an engineered harness system.

The electrical distribution panel will be in a protective housing constructed from aluminum sheet for proper heat dissipation. The housing will be sealed for EMI and RFI containment.

All insulated wiring shall be high temperature GXL or GPT type, in conformance with SAE J 1128 and shall be protected by an oil and temperature loom where possible. Individual wires will be protected by color and numerically coded insulation. All wire end terminals, including locking bulkhead connectors, shall be mechanically fixed to the wire ends by terminal crimping tools.

The power distribution panel will be installed in a location protected from water, road dirt or physical damage such as in the chassis cab. The cover of the panel box will be high impact, clear polycarbonate sheet allowing visual inspection of the diagnostic capabilities of the system. Diagnostic LEDs shall be incorporated to indicate the input/output state of the individual loads, the polarity of the system activation signal and the power to the individual components.

The electrical system will incorporate a master disconnect switch which will be mounted separately from the switch panel (next to the driver's seat). A green battery indicator light will be provided in the chassis cab visible to the driver to indicate when it is in the "on" position.

V-Mux - 4 nodes
1-16/0
3 4 x 12

CAB CONSOLE

One (1) electrical console shall be fabricated and installed between the two (2) front seats. It shall be fabricated from 1/8" aluminum with removable panel(s) for service. The top of the console shall be clad with a non-glare black vinyl covering.

ELECTRICAL SYSTEM SCHEMATICS

Two (2) complete electrical system schematics diagramming each individual circuit shall be provided **after** delivery of the apparatus.

ROCKER SWITCH PANEL

A rocker type switch panel with a "Master switch" and individual switches will be installed to provide the ability to de-activate individual lighting units, should the driver/officer require it. This panel will be lettered and lighted and in the **console**.

BACK-UP ALARM

One (1) back-up alarm shall be installed and wired to the reverse gear. It shall meet the Type D (87 db) minimum requirements of SAE J994 and NFPA 1901.

ELECTRONIC SIREN

A Whelen #295SLSA1, electronic siren shall be provided and located in a location convenient to the driver and officer. The siren shall include Radio Rebroadcast, Public Address, Manual, Wail, Yelp, Air horn and Piercer Tones. A

pre-wired noise cancelling microphone shall be supplied on the siren head.

SPEAKER

One (1) Whelen #SA315P, 100 watt speaker shall be provided and installed at the front of the apparatus, in the front bumper assembly.

WORK LIGHTS

Two (2) clear LED work lights shall be installed at the rear of the apparatus **under the rear platform**. They shall be mounted near the pump for lighting in night time operations. These lights will be activated by **the park brake**.

REAR WORK LIGHT

One (1) Whelen Par-36 Model PFBP12 light shall be mounted at the rear of the apparatus to illuminate the pump area.

The Par-36 floodlight configuration shall incorporate 12 white Super-LED® with a 20° TIR reflector and clear optic lens. The Par-36 spotlight will be installed in a black powder coated polycarbonate housing. The PFBP12 shall have a built in on/off switch with a waterproof boot. The PFBP12 pedestal mount assembly will allow the floodlight to rotate and vertical movement. The PFBP12 pedestal mount assembly shall consist of a ball mount base with a ball clamp and an adjustable “T” knob to tighten the ball clamp. The floodlight shall have 1,000 usable lumens. The PFBP12 includes stainless steel hardware.

The lens/reflector assembly shall be sealed and resistant to water, moisture, dust, and other environmental conditions. The hard coated lenses shall provide extended life/luster protection against UV and chemical stresses. The PFBP12 shall be vibration resistant. The Par-36 PC boards shall be conformal coated for additional protection. The PFBP12 shall have extended LED operation with low current consumption. The PFBP12 shall be furnished with a 6’ 2/C 18GA TPR unterminated cable. The PFBP12 is covered by a five year factory warranty.

Voltage: +12v DC

Size: H=8.33”, W=5.03”, D=4.63”

Amp Draw: Spot Light = 1.70 Amps

Lens Color: Clear

COMPARTMENT LIGHTING (ROM)

The side body compartments will have **ROM lighting across the top of each compartment**. The lights shall activate automatically when a compartment door is opened.

POWERARC - NFPA CERTIFIED LED LIGHTING PACKAGE

ZONE A UPPER

One (1) PowerArc #LED-XT56LB-RWWR/c, 56" LED light bar is to be mounted on the headache rack. Any white light will be deactivated in the blocking mode.

One (1) PowerArc #P6BG-Rc, shall be mounted on the officer side on the chassis grill.
One (1) PowerArc #P6BG-Rc, shall be mounted on the driver side on the chassis grill.

One (1) PowerArc, model P6BG-Rc, shall be mounted on the officer side above the front chassis wheel.
One (1) PowerArc, model P6BG-Rc, shall be mounted on the driver side above the front chassis wheel.

One (1) PowerArc, model P6BG-Rc, shall be mounted behind the rear wheel on the driver side.
One (1) PowerArc, model P6BG-Rc, shall be mounted behind the rear wheel on the officer side.

One (1) PowerArc, model LED210-1Rc, shall be mounted on the rear upper outermost corner on the officer side.
One (1) PowerArc, model LED210-2Rc, shall be mounted on the rear upper outermost corner on the driver side.

One (1) PowerArc, model LED210-1Rc, shall be mounted on lower rear outermost corner of body on officer side.
One (1) PowerArc, model LED210-2Bc, shall be mounted on lower rear outermost corner of body on driver side.

PORTABLE PUMP

The pump will be a CET, DI-PFP-20HPKHL-MR Drop in Unit

PUMP SPECIFICATIONS:

ENGINE:

Kohler
Quiet Muffler

FUEL TANK:

3 gal. fuel tank w/holder

TANK:

200 gallons water tank

MANIFOLD OUTLET

TANK FILL:

1" with industrial Ball valve

GARDEN HOSE:

3/4 garden hose connection with industrial ball

MANIFOLD:

1-1/2" Fire type ball valve service line with cap and chain

SUCTION INLET

SUCTION STANDARD:

Standard suction with 2-1/2" industrial ball valve
Draft Terminates to Female Swivel with plu

EHR LP 1" x 150':

Electric low profile hose reel 1"x150'

RUBBER HOSE:

Rubber hose 1"

OUTRIGGERS:

Set of chrome outriggers w/3 way rollers ADD

RUN TEST

UST shall perform run test at the manufacturers facility.

N.F.P.A. TAG REQUIREMENTS

An accident prevention sign that states "**OVERALL HEIGHT ___**" **AND LENGTH OF APPARATUS ___**" shall be provided and located in the chassis cab area that is visible to the driver.

An accident prevention sign that states "**GVWR**" shall be provided and located in the chassis cab area that is visible to the driver.

An accident prevention sign that states "**MAXIMUM SEATING CAPACITY "___"**" shall be provided and located in the chassis cab in an area that is visible to the driver.

An accident prevention sign that states "**OCCUPANTS MUST BE SEATED AND BELTED WHEN APPARATUS IS IN MOTION**" shall be provided and located in the chassis cab in an area that is visible to each seated position.

An accident prevention sign that states "**DO NOT WEAR HELMET WHILE SEATED**" shall be provided and located in the chassis cab in an area that is visible from each seated position.

One "Final Stage Label" shall be attached to the driver's side door jam. The label shall certify that the complete vehicle conforms to the federal motor vehicle safety standards, which have been previously fully certified by the incomplete vehicle manufacture or by the intermediate vehicle manufacture and have not been affected by the final stage manufacture.

Two (2) accident prevention signs that states "**DANGER: DO NOT RIDE ON REAR STEP WHILE VEHICLE IS IN MOTION DEATH OR SERIOUS INJURY MAY RESULT**" shall be provided and installed one (1) each side at the rear of the apparatus.

Chassis: F-550 Chassis

The apparatus shall be built on a F-550 Chassis 4x4 SD Supercab 186" WB DRW XL (X5H)