



**ACCEPT ONLY THE BEST**

## **CET Glider Kit #1**

Revised February 12<sup>th</sup> 2020

### **Glider Kit**

The glider kit shall be made for dual rear wheels chassis cab truck, NOT for a pick-up truck, with a « back-of-cab-to rear-axle » (CA) of 60”.

### **CET Flat Bed Body**

One (1) custom Fire Application aluminum flat bed body, 110” long x 94-5/8” wide. The aluminum plate used in construction is .100” 3003-H22 polished aluminum alloy treadplate.

Body sub-frame is made from 6061-T6 aluminum tubes and channels. Sub-frame crossmembers are installed every 16”. The channel is 1-1/2” wide x 3” high x 3/16” thick. The body crossmembers shall extend the full width to support the compartment framing and shall be welded to the sub-frame main members.

The Body sub-frame main members consist of 6061-T6 Aluminum square tubing of 2” wide x 6” high x 3/16” thick.

The perimeter shall be made with 1/8” thick forged 3003H14 Aluminum. Forged aluminium 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 (shipped loose). The body shall be separated from the chassis by 3/8” Teflon (shipped loose). 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 polished aluminum alloy treadplate.

Rear skirt to include Signal, brake, reverse lights, D.O.T., license plate & NFPA steps.

Clearance, marker, license plate lights and reflectors will be furnished and installed per D.O.T. Junction box supplied and installed under the flat bed.

License plate light shall be an Eon light with SS polish case that has a light output equivalent to a 10-watt halogen lamp. Eon light to have a 50,000 hr LED life.

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

Two (2) LED Amber marker/clearance lights with chrome housing and clear lens will be installed on the front side of the bed, one (1) each side. Two (2) LED Red marker/clearance lights with chrome housing and clear lens will be installed on the rear side of the bed, one (1) each side. Three (3) LED Red marker/clearance lights with chrome housing and clear lens will be installed at the rear center of the bed. Amber & Red reflectors shall be installed around the perimeter of the bed as per DOT requirement.

Two (2) heavy duty tow eyes shall be shipped loose (NFPA 1906 requirement). The tow eyes should be fastened directly to each rear chassis frame rail. Hardware shall have a clear and unobstructed access.

The rear of the flat bed shall have four (4) non-skid rear steps with integrated LED light, two (2) on each side, for access to pump and controls. The rear steps shall be made so it can be folded up for use in rough terrain. All steps shall sustain a minimum static load of 500 lbs. (227 kg) without deformation (NFPA 1906 & 1901 compliant).

This will be no exception to the body specifications. Pre-built commercial flatbed bodies are not acceptable.

### **Compartments**

All compartments will be made with ½" polypropylene sheet.

All compartments shall have a minimum of one (1) louvered panel bolted into a wall to provide the proper airflow inside the compartment.

All compartments shall be of sweep-out type with no lip at bottom edge for easy cleaning.

All door lock mechanisms shall be fully enclosed within the door panels to prevent fouling of the lock in the event equipment inside into the lock area.

### **Transverse compartment**

One (1) transverse compartment of 13-1/2" long x 30" high x 94-5/8" transverse shall be installed behind the chassis cab. Each side door shall be horizontally hinged, drop down style, with retaining cables.

The overlap polypropylene compartment doors shall be securely attached to the body with a full stainless-steel hinge. Door openings shall be fitted with solid neoprene weather strip completely sealing the perimeter of the compartment door opening. Drop down door shall be installed with retaining cable. Compartment door seams is sealed with a pliable automotive body caulking. The compartment doors are latched with recessed, polished stainless steel "D" ring handles and locks.

### **Top Transverse Dry Cross Tray**

One (1) fully enclosed transverse cross tray made from polypropylene sheet shall be supplied and installed on top of the front transverse compartment.

Dimension of the cross tray to be full length of the front transverse x 9" wide x 8" high.

The cross tray shall have a top hinge polypropylene cover for easy loading and protective black nylon net with snaps on each side.

The area shall be designed to prevent the accumulation of water and allow for ventilation to aid in drying hose in the storage area. Black Turtle Tiles to be installed and bolted on the floor.

### **Left (Driver) Side Compartment**

One (1) 62" long x 30" high x 22" deep compartment behind the transverse compartment, located on the left (driver) side of the water tank.

The compartment shall be equipped with one (1) roll-up door completes with the following features: door ajar switch, LED strip lights, aluminum double wall slats with continuous ball & socket hinge joint and recessed slat seal, double wall reinforced bottom panel with stainless steel lift bar latching system, reusable slat shoes with positive snap-in securement, one-piece aluminum door track / side frame, top gutter with non-marring seal, non-marring side seals, bottom seal, with all wear component material to be Type 6 Nylon. Roll-up door shall be anodized gray.

There shall be a set of tracks for future installation of adjustable shelf(s) in each compartment. These tracks shall be installed vertically on the walls of the compartment(s) and shall offer a multitude of height adjustment possibilities.

The area shall be designed to prevent the accumulation of water and allow for ventilation to aid in drying hose in the storage area. Black Turtle Tiles to be installed on the floor.

One (1) switch shall be installed so the compartment light(s) shall come on only when compartment door is open.

### **Right (Passenger) Side Compartment**

One (1) 62" long x 30" high x 22" deep compartment behind the transverse compartment, located on the right (passenger) side of the water tank.

The compartment shall be equipped with one (1) roll-up door completes with the following features: door ajar switch, LED strip lights, aluminum double wall slats with continuous ball & socket hinge joint and recessed slat seal, double wall reinforced bottom panel with stainless steel lift bar latching system, reusable slat shoes with positive snap-in securement, one-piece aluminum door track / side frame, top gutter with non-marring seal, non-marring side seals, bottom seal, with all wear component material to be Type 6 Nylon. Roll-up door shall be anodized gray.

There shall be a set of tracks for future installation of adjustable shelf(s) in each compartment. These tracks shall be installed vertically on the walls of the compartment(s) and shall offer a multitude of height adjustment possibilities.

The area shall be designed to prevent the accumulation of water and allow for ventilation to aid in drying hose in the storage area. Black Turtle Tiles to be installed on the floor.

One (1) switch shall be installed so the compartment light(s) shall come on only when compartment door is open.

### **Wheel Chocks**

Medium Kochek Wheel Chocks with storage brackets shall be provided and mounted underneath the flatbed behind the chassis cab on the left (driver) side.

### **Rear Mud Flaps**

Rear rubber mud flaps shall be shipped loose.

### **Electrical Components**

A 12-volt electrical system is supply.

The wiring is secured in place, readily accessible and protected against heat, water and physical damage.

Electrical harness lines shall be mechanically attached to the frame or body structure of the apparatus.

All wiring will be run in heat and moisture resistant plastic convoluted split loom.

Electrical harness lines shall be furnished with protective looms, grommets, or other devices at each point where they pass through body panels or structural members or wherever they lie against a sharp metal edge. A through-the-frame connector shall be permitted to be used in place of metal protective looms or grommets.

Switches, relays, terminals, and connectors shall have a direct current (dc) rating of 125 percent of maximum current for which the circuit is protected.

Conductor insulation will conform to S.A.E. requirements. All circuit are protected by automatic reset circuit breakers.

All wiring furnished will conform to the national Electric Code.

All circuits will be wired in conformance with S.A.E. J1292, Automobile wiring standard.

All wiring will be function worded schematically.

An electric diagram will be remit upon delivery.

### **Emergency Lighting**

One (1) 56" LED Whelen Justice Lightbar, model #JE2NFPA shall be mounted on the headrache rack.

- 4 x Red SUPER LED Corners
- 4 x Red SUPER LED Inner
- 2 x White SUPER LED Inner

Mounted on sides of the flatbed, Two (2) Whelen M4 series Linear Super LED, one (1) each side, red with clear lens with a chrome flange.

Mounted in the rear of the flatbed, Two (2) Whelen M4 series Linear Super LED, one (1) each side, red with clear lens with a chrome flange.

**Two (2) Telescopic Halogen Scene Lights FCA512-D30-ON**

Two (2) Fire Research Focus model FCA512-D30-ON top mount push up telescopic light shall be installed. The light pole shall be anodized aluminum and have a knurled twist lock mechanism to secure the extension pole in position. The extension pole shall extend 4' and rotate 360°. A round "no drip" mounting flange shall be provided. Wiring shall extend from the pole bottom with a 4' retractile cord.

Each lamphead shall have two (2) quartz halogen 150-watt 12 volts DC bulbs. Each bulb will draw 12.5 amps and generate 2600 lumens for a total of 25 amps and 5200 lumens. The bulbs shall be accessible through the front. The lamphead shall direct 50 percent of the light onto the action area while providing 50 percent to illuminate the working area. The lamphead angle of elevation shall be adjustable at a pivot in the mounting arm and the position locked with a round knurled locking knob. The lamphead shall incorporate heat-dissipating fins and be no more than 5 1/4" deep by 3 3/8" high by 11 1/2" wide. Lamp head and mounting arm shall be powder coated white. The floodlight shall be UL listed as a scene light for fire service use.

An On/Off switch shall be installed on each lamp.

The scene lights shall be installed at the front of the flatbed, one (1) on each side.

**Door Ajar**

One (1) door ajar warning light shall be provided and installed in the console to indicate an open body compartment door. The light shall be properly marked with a sign "Warning Door Ajar".

**Back-Up Alarm**

One (1) back-up alarm that meets the type D (87 dBA) requirements of SAEJ994 shall be provided at the rear of the apparatus. It will activate when the transmission is placed in reverse.

Certificate of Registration



This is to certify that the Quality Management System of:

**C.E.T. Fire Pumps MFG Limited**

75 rue Hector  
Pierreville QC J0G 1J0  
Canada

applicable to:

**Design and manufacture of fire equipment.**

has been assessed and approved by  
National Quality Assurance, U.S.A., against the provisions of:

**ISO 9001:2015**



Certificate Number: 15849  
Certified Since: May 11, 2015  
Valid Until: May 9, 2021  
Reissued: August 9, 2018  
Cycle Issued: May 10, 2018

For and on behalf of NQA, USA

