

## **KWIK KIT SPECIFICATIONS - MODEL KK-100-02**

### **GENERAL DESCRIPTION:**

It is the intention of this specification to describe a conversion kit capable of installation into a full size cargo van (extended or non extended) for use as a Law Enforcement Prisoner Transport vehicle. The insert provides seating for ten (10) persons and shall have two (2) separate compartments, which will allow the loading of prisoners into the rear of the van. The kit will be supplied with all Aluminum primary parts and will be capable of transfer into a new vehicle at a later date. Driver side of rear bulkhead, wall and bench assemblies will have accommodations for OEM rear air conditioning heat system. These accommodations will be included regardless if van has OEM rear air conditioning or not. All aluminum parts on bulkheads, walls, ceilings, dividers and benches to have a white powder coat finish.

### **FRONT BULKHEAD:**

The driver compartment will be protected by a 63" wide X 50" high front bulkhead. It will be constructed from .125" thick aluminum sheet metal. The sheet will be formed to provide a framework and will have additional channel welded in for strength. The frame will have pre-punched holes to align with the wall and bench units. The entire assembly will be attached to bench/walls using 1/4" hardware. The upper section of bulkhead will include a .187 thick aluminum X 36" w X 30" h emergency exit hatch with two (2) heavy duty slide bolts. The hatch will have a perforated area for viewing that is covered with .250" clear polycarbonate.

### **REAR BULKHEAD: (DOUBLE REAR DOORS)**

The rear OEM doors will be protected by a 63" wide X 50" high bulkhead. It will be constructed from .125" thick aluminum sheet metal. The sheet will be formed to provide a framework and will have additional channel welded in for strength. The frame will have pre-punched holes to align with the wall and bench units. The entire assembly will be attached to the bench/walls using 1/4" hardware. This bulkhead will have two (2) rear inner security doors measuring 23" wide X 46" high. The doors will be manufactured from .125" thick aluminum sheet metal. The sheet will be formed to provide a .125" thick framework and will have additional channel welded in for strength. An exterior door skin will be attached using .187" diameter aluminum rivets. The upper section of door must have a perforated area, which will allow officers to view into the prisoner compartment. Each door includes two (2) heavy-duty rotary slam latches. The latches will be activated by a single, flush mounted, paddle handle that includes a key lock and two (2) keys. A secondary, tamperproof access will be provided to override each latch assembly if necessary. The doors will attach to the bulkhead frame using 1/4" hardware and a stainless steel continuous hinge.

### **CENTER DIVIDER:**

A 97" long center divider with no perforations will separate the rear of van into two (2) halves. It will be constructed from .187" thick aluminum plate. It must be securely anchored to floor, ceiling and bulkheads.

### **BENCHES:**

Benches will be constructed from .125" thick aluminum with rounded front edges and will include a four-inch (4") wide X full length, rubber "Non Slip" strip on bench tops. The driver side and passenger side benches will both seat five (5) people and will be 13" high X 13" deep X 97" long.

### **WALLS:**

The driver side wall will be 38" high X 100" long. The passenger side wall will also be 38" high by 100" long. Each is constructed from .125" thick aluminum and will be contoured to closely fit the van's interior and mating bench, ceiling and bulkheads.

**CEILING:**

The ceiling for the rear compartments will be 48" wide X 100" long. The complete ceiling assembly will be a four-piece design with flush, overlapping, bolt together seams for added strength. It will be constructed from .125" thick aluminum and will have pre-cut holes for dome lights and air conditioning / heat vents. The ceiling assembly will bolt to mating walls and bulkheads.

**FLOORING:**

The flooring for the rear compartments will be constructed from .125" thick, bright-dipped aluminum tread plate. The main floor is 36" wide X 97" long. Additional 7 1/2" X 48" tread plate will be provided for space between rear bulkhead and OEM rear doors.

**REAR STEP:**

A rear step shall be supplied with the kit and will bolt directly to the vehicle frame. It will be 48" wide by 10" deep. The step will be constructed from welded steel angle framework, and will have a perforated non-slip deck surface. Steel parts will have a black polyester powder coat finish.

**DOME LIGHTS:**

The driver side rear compartment will have three (3) 4" diameter stainless steel dome lights. The passenger side compartment will have three (3) 4" diameter stainless steel dome lights. All dome lights will have tamperproof .250" thick, clear polycarbonate guards. On/off rocker switch will be in driver compartment dash area.

**GRAB STRAPS AND LABELS:**

Heavy-duty nylon webbing straps will be mounted to the lower section of the wall. There will be one (1) strap per seat location. Straps will be positioned so that each prisoner, with handcuffs behind their back, can hold onto the strap. Each strap will be anchored with 1/2" X 1 1/4" round head tamper proof bolts. The bolts will attach to the bench and wall assemblies. Straps to be made by a certified automotive belt manufacturer. In addition, the kit will have four (4) – Yellow labels (4" x 6") with black lettering that read "Hold on to Straps When Vehicle is in Motion". Each Label includes lettering in English and Spanish. They will also include a picture of two hands holding a Strap. Two (2) more labels will be provided that read "Drive with Extra Caution While Transporting Passengers". These labels are also yellow with black lettering for mounting on dash of vehicle cab.

**MISCELLANEOUS:**

1. When all components of insert are completed assembled and installed, all seams will be sealed with RTV silicone.
2. An aluminum plate with white powder coat finish will cover the accommodations in the driver side bench, wall and rear bulkhead. This cover will guard the OEM air conditioner / heat evaporator blower system from detainees and will allow for easy access when removed for service.

**FINISH:**

All aluminum parts will have a super durable White polyester powder coat finish. The profile of the aluminum sub-straight will have proper pretreatment preparation to withstand a minimum of 1,000 hour salt spray exposure (per ASTM-B117 testing). Written test results must be available upon request.

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