Donovan Enterprises
"5000XEL"
ELECTRIC OPERATED TARPING SYSTEM

This truck covering system is to be known as Donovan Enterprises model 5000XEL. This system can be used on 10 to 18 foot bodies.

SYSTEM WEIGHT

The complete 5000XEL as packaged weighs 120 lbs. and comes in two boxes.

ELECTRIC DRIVE SYSTEM

Covering system to be operated by either a 12 or 24 Volt electric direct drive motor (no chain or sprockets) with a 90:1 reduction ratio. Motor is to be mounted to a motor mount bracket supporting the tarp roller bar on the driver's side. Motor has a _" diameter drive shaft. Electric kit supplied with a minimum of 60 feet of dual conductor wire and dash plate with forward and reverse action rotary switch with an automatic reset circuit breaker. Motor protected by chromed plastic cover to prevent damage from weather and for improved appearance.

Optional Durabuilt Solenoid Switch Kit consist of a forward and reverse action rocker switch with mounting bracket, a sealed solenoid and cover, an automatic reset circuit breaker and a wiring harness.

ROLLERBAR ASSEMBLY

Roller bar assembly is a one-piece steel 1" tube with a 3/4" steel shaft welded into one end, 96" in length. Roller bar has a _" inside diameter. 1/8" steel bearings plates with _" diameter, self –aligning, sealed flange bearings mount on cab shield to support right and left roller bar sections.

Optional Extruded Aluminum Roller Bar Assembly is a one-piece extruded aluminum design, 96 inches in length. Roller bar has a _" inside diameter. The extrusion pattern is such that a tarp may be installed using a spline, through bolts, or _"-20 threaded bolt.

WIND DEFLECTOR ASSEMBLY

Optional wind deflector is constructed of 2 pieces of 16 gauge galvanized steel, and adjustable to accommodate various widths of roller bar. Wind deflector to be mounted on cab shield in front of roller bar assembly to facilitate airflow over tarp.

PIVOT ARM AND TORSION SPRING ASSEMBLY

The pivot arms are constructed in a 2-piece configuration. The lower pivot arms are straight, 96" long, and constructed of 1 1/4" - 14 gauge galvanized steel tubing. The upper arms have two bends, 60" long (before being bent), and are constructed of 1" - 14 gauge galvanized steel tubing. The upper arm is bent to allow for insertion of arms into the rear cross piece. The rear cross piece is straight, 96" long, and constructed of 1-1/4" 14-gauge galvanized steel tubing. The heavy duty silicone chrome torsion springs are .625" wide and have a coil diameter of 3.46". Each unit uses 6 springs (3 per arm), mounted side by side within the lower paddles of the lower arm assembly. Pivot arm mounting brackets are constructed of steel with 1 _ shaft. This shaft supports the lower pivot arm and spring assembly.

FINISH

All steel components must be finished with a galvanized coating.

HARDWARE

Covering system is to be supplied with all of the nuts, bolts, mounting brackets, installation instructions and miscellaneous hardware necessary to install the mechanism onto the truck body. All hardware is of grade 5 or higher.

PRODUCT DIAGRAMS

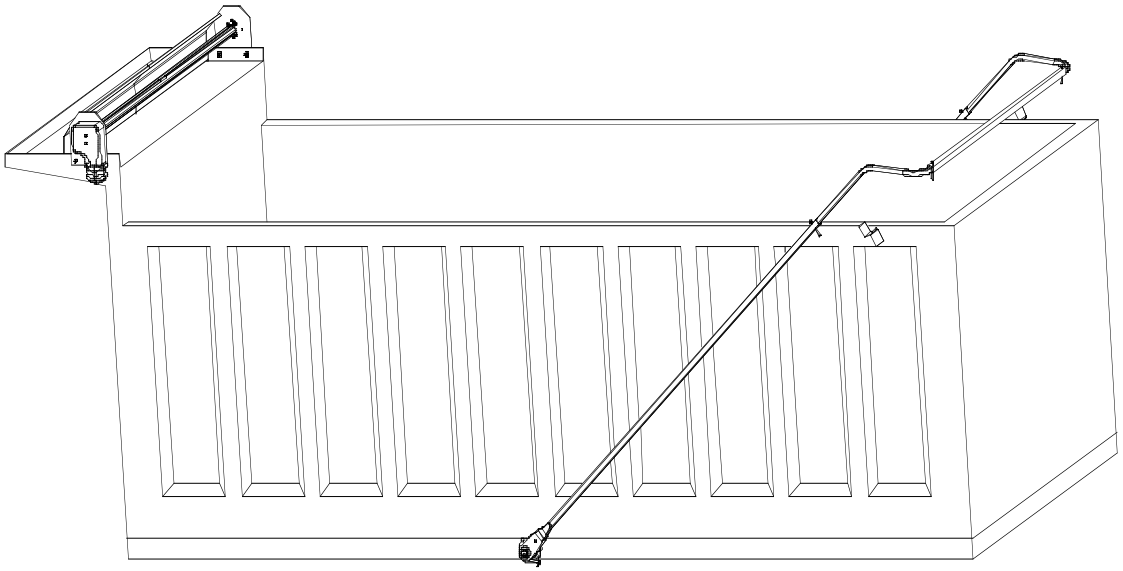

Diagram 1: System mounted on truck
with optional wind deflector.

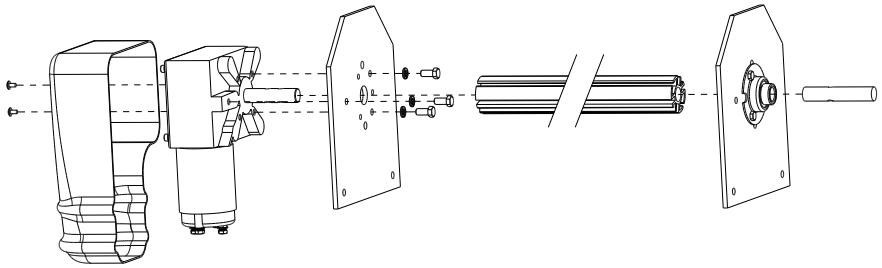

Diagram 2: Motor and roller bar assembly.