# EAGLE LIFT
## SPECIFICATIONS FOR 50" SERIES PLATFORM/STAKE & VAN CABLE LIFTGATES
## 1,600 LB. CAPACITY

**4/08**

## I. LIFTGATE FEATURES

**A.** Lifting capacity: 1,600 lbs.

**B.** Bed-to-ground travel: 50" bed-to-ground travel capability.

**C.** Electrical connections: Electrical power source is supplied through the vehicle's parking lights. The liftgate is wired via the license plate light wires on the truck. Turning off the parking lights will prevent unauthorized operation of liftgate. The liftgate will not raise without the parking lights in the "ON" position. A 150-amp heavy-duty circuit breaker w/manual trip switch is furnished to protect the battery and electrical system on the vehicle.

**D.** Control lever: control lever of liftgate is on the curbside of truck. Control lever is positioned on the inside of the upright so as to be inaccessible to small children.

**E.** Plated cylinder shaft: chrome plated cylinder shaft to help prevent rusting.

**F.** Hydraulics:

1. All hydraulics are totally enclosed in the housing of the liftgate for weather protection.
2. Electric/hydraulic power unit has a built-in relief valve to prevent overloading of the liftgate while raising.
3. An in-line flow control valve on the cylinder helps control the speed of the oil coming out of the cylinder returning to the reservoir when lowering the liftgate under loaded conditions.

**G.** Drop-away platform: platform of liftgate will "drop-away" for easy dock and forklift loading direct into truck bed.

**H.** Gates are painted in black electrocoat topcoat.

## II. LIFTGATE SPECIFICATIONS

**A.** Liftgate housing: 8 ga. steel front and 10 ga. steel rear.

**B.** Upright housing: 10 ga. upright steel.

**C.** Reinforced single-wall platform with torsion spring:

12 ga. treadplate steel load skin painted with anti-skid primer topcoat. Five - 10 ga. vertical reinforcing channels run the full height of the platform.

**D.** Platform floor surface area:

50-78 = 76" wide x 34" deep w/tapered ramp
50-86 = 82" wide x 34" deep w/tapered ramp
50-91 = 86" wide x 34" deep w/tapered ramp

E. Platform support links: 1/4" x 1-1/4" steel support links connect the platform to gate frame for loading surface support.
F. Platform latches: latches located at the top of the uprights are spring loaded and quick release.
G. 7/8" dia. "D" hole pins with snap rings for arm pins.
H. Liftgate cable: 1,600 lb. capacity liftgates have 5/16" dia., 6" x 36" (WS) stranded cables.
I. Pulleys: upright pulleys are 4" dia. and housing pulleys are 4-1/2" dia.
J. Cylinder: 1,600 lb. capacity cylinder has 2-1/4" bore with 18 stroke with 4-1/2" dia. pulley.
K. Composite bushings: maintenance free bushings at all pivot points to eliminate the need for grease zerks and necessity of lubrication.
L. All retaining pins for pulleys, lift arms, cylinder trunnion and lift cables are to be retained by snap rings, not rivets, for easy accessibility.

## III. LIFTGATE OPTIONS

A. Electric/hydraulic lock-out valve to prevent the lowering of platform unless 12 VDC is supplied to the control valve.
B. 2-button hard wired hand-held control system with plug-in.
C. Recessed light kits are available on all models.
D. Grated platform (deck span surface) is available as a platform option.
E. Aluminum treadplate platform
F. Audible safety alarm