EAGLE LIFT
SPECIFICATIONS FOR EDL16 DUAL CYLINDER SERIES DIRECT LIFT 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 switch: The control switch is mounted on the curbside of the truck. It is mounted on the outside of the upright and up high enough to be inaccessible to small children. The gate is controlled with a 3-way toggle switch; up-neutral-down.

E. Plated cylinder shafts: The cylinder shafts are chrome plated to help prevent rusting and improve the gland to seal life.

F. Hydraulics:

1. All hydraulics are completely covered in the main housing of the liftgate for weather protection and ease of accessibility.
2. Electric/hydraulic power unit has a built-in relief valve to prevent the overloading of the liftgate when raising.
3. Liftgate cylinders are located in both upright housings, no cables used as the cylinders do all the lifting.
4. Cylinders have flow control valves attached to inlet ports for even lifting and lowering speeds.

G. Gate lifts with lower lift arms/torque shaft and cylinder assemblies (no cables).

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

I. Gates are painted in black electrocoat topcoat.

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II. LIFTGATE SPECIFICATIONS

A. Liftgate housing: 8 ga. steel front and 10 ga. steel rear.
B. Upright housing: 10 ga. steel upright.
C. Reinforced single wall platform with torsion spring:
- 12 ga. tpx 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:
- EDL 16-78 = 77" wide x 36" deep w/tapered ramp
- EDL 16-86 = 82" wide x 36" deep w/tapered ramp

E. Platform support links: 1/4 " x 1 1/4" steel support links connect the platform to the 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. pins w/snap rings for upper liftarms platform uprights.
H. There are no cables used in lifting; the cylinders are connected directly to the lower lift arm/torque shaft assembly.
I. Cylinders: cylinder has a 2 1/2" dia. bore with a 18" nominal stroke.
J. Composite bushings: maintenance free bushings at all pivot points, except the torque shaft.
K. All the retaining pins for the lift arms, cylinder trunnions, & parallel arms are to be retained by snap rings - not rivets - for easy accessibility.

III. LIFTGATE OPTIONS

A. Recessed light kits are available.
B. Grated platform (deck span surface) is available as a platform option.
C. 2-button hard wired hand-held control 2-button system with plug-in.
D. Aluminum treadplate platform
E. Audible safety alarm