

Basic Truck Terminologies!

BODY

The structure or that portion of the vehicle which carries the load or cargo.



CHASSIS CAB

An incomplete vehicle consisting of a chassis and a completed occupant compartment (cab).



CUTAWAY CHASSIS

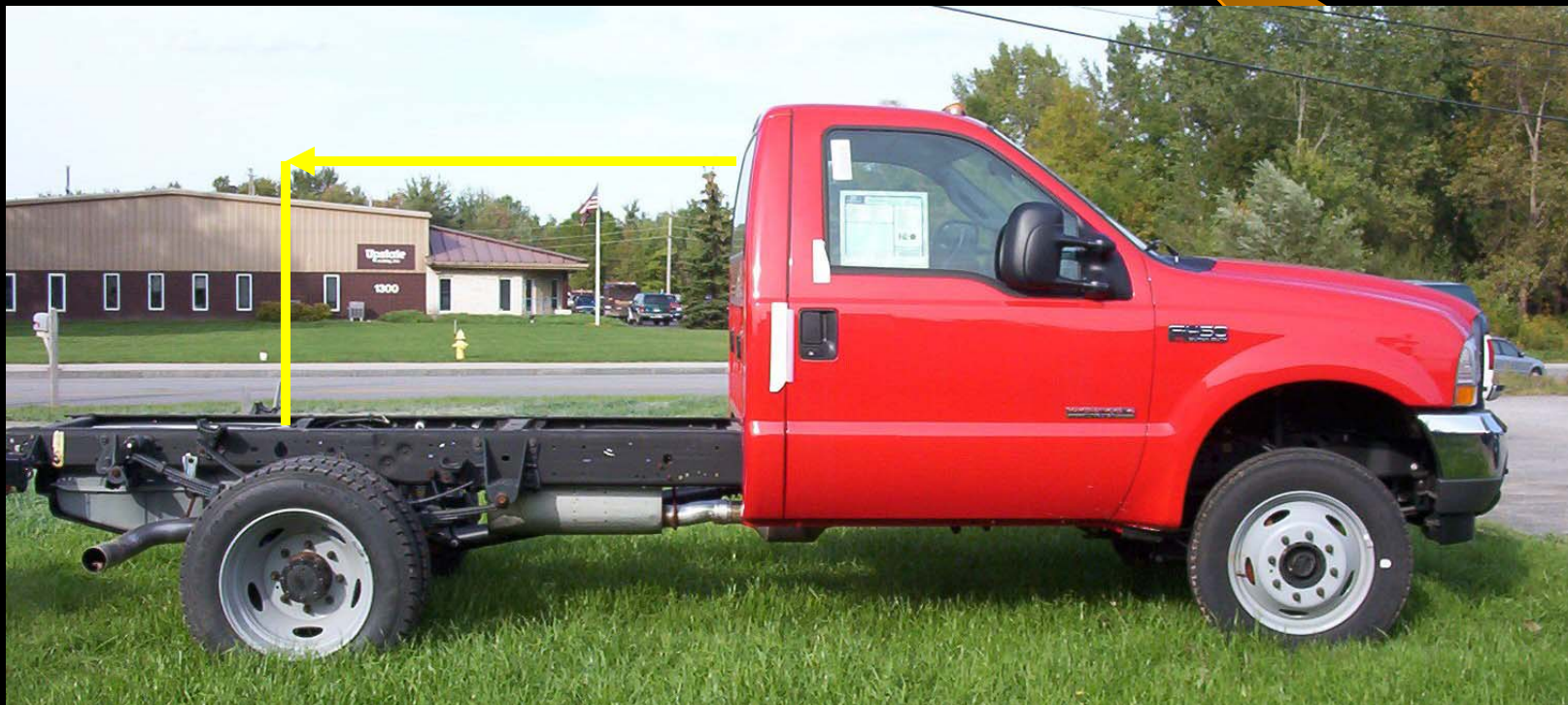


Cutaway Cabs are open at rear and all bodies must be secured to rear of cab and sealed.

CA (Cab to Axle)

The Distance From the Back of the Truck Cab to the Center of the Rear Axle.

Rule of thumb - CA should be 60% of body length.



Chassis Cabs

Have Standardized CA Measurements of
56", 60", 84", 108" & 120"

Truck Frame Rails Are Standardized at 34" Apart.

GVWR (Gross Vehicle Weight Rating)

The Maximum Total Vehicle Weight Including Passengers, Options, Body and Cargo That the Vehicle Can Safely Carry.

The GVWR Rating Is Determined by the Truck Chassis Manufacturer.

A GVWR Sticker Is Included on the Driver's Door Frame of All Vehicles.

Payload

The Weight of the Commodity Being Hauled. Payload Capacity Is Computed by Subtracting the Completed Weight of the Vehicle (Including Driver, Passengers and Fuel) From the GVWR.

EXAMPLE:

Truck Weight	6,000 lbs
Body Weight	<u>+2,000 lbs</u>
Total Empty Truck Weight	8,000 lbs

GVWR Of 12,000 Lbs Minus Empty Truck of 8,000 Lbs Equals a 4,000 Lb Payload.

BAILMENT POOL

An Equipment Manufacturer/Installer That Is Authorized to Order and Maintain an Inventory of Incomplete Chassis Available to New Car Dealers for Addition of Truck Bodies or Other Equipment.

Vehicle Manufacturer Retains Ownership of All Pool Units.

DEL stocks a full line of GMC, Ford and Chevy Chassis for quick delivery. Currently working with Chrysler to develop pool relationship.



Basic Hydraulics

Three types of pumps:

Electric pump

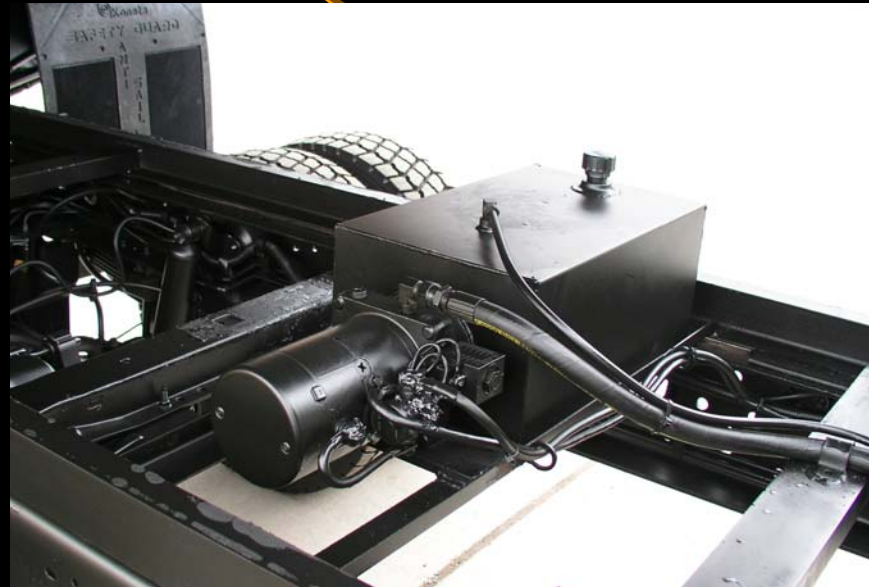
Power Take Off / pump combination

Clutch Pump

Basic Hydraulics

Electric Pump

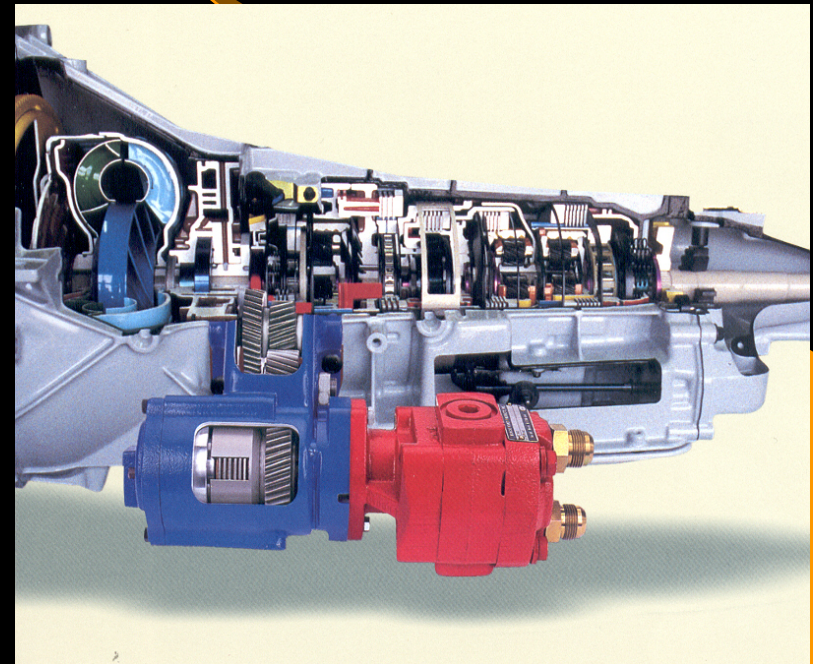
- 12 volts
- Electric toggle switch in cab
- Simplest installation
- Lowest cost
- Ideal for landscape bodies



Basic Hydraulics

Power Take Off / Pump

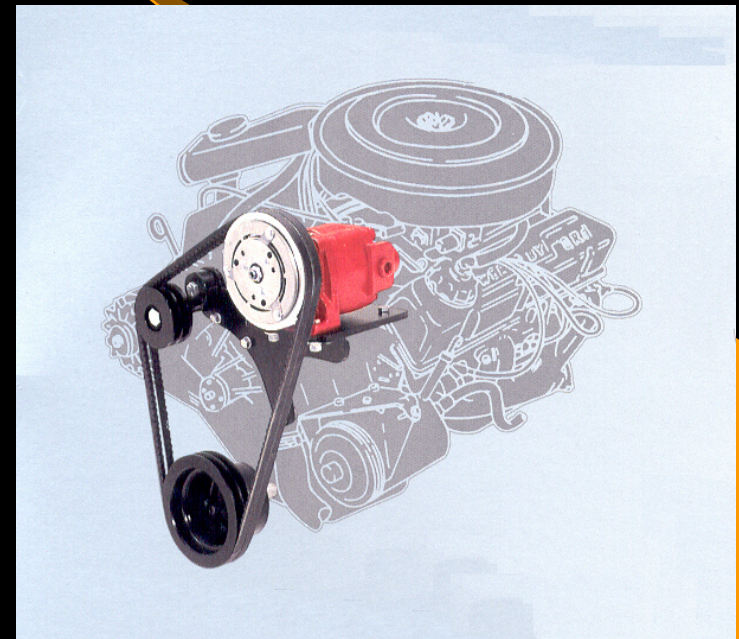
- Ideal for stationary applications
 - - tools, hoists and cranes
- More expensive, approx. \$600
- to \$1,800 surcharge over electric
- (dependant on transmission)
-
- Medium duty type trucks
- F350 to F750
-
- Must check if an opening exists



Basic Hydraulics

Clutch Pump

- Most common application is a dump body with a sand/salt spreader
- Crane applications when PTO opening is not available
- Approx. \$2,200 over PTO
- Most complicated installation



Common Hoists



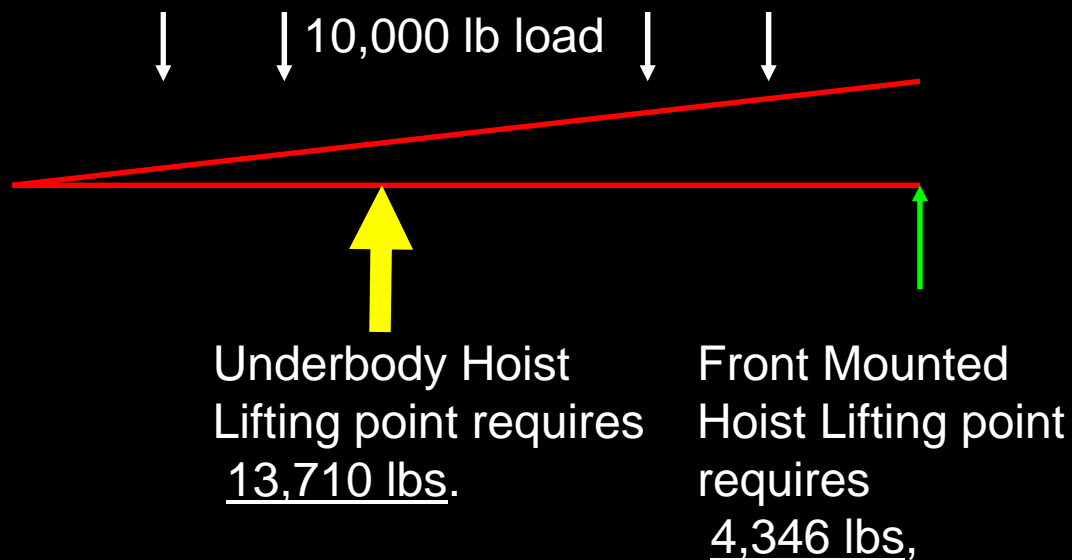
Front mounted



React-o-Lift

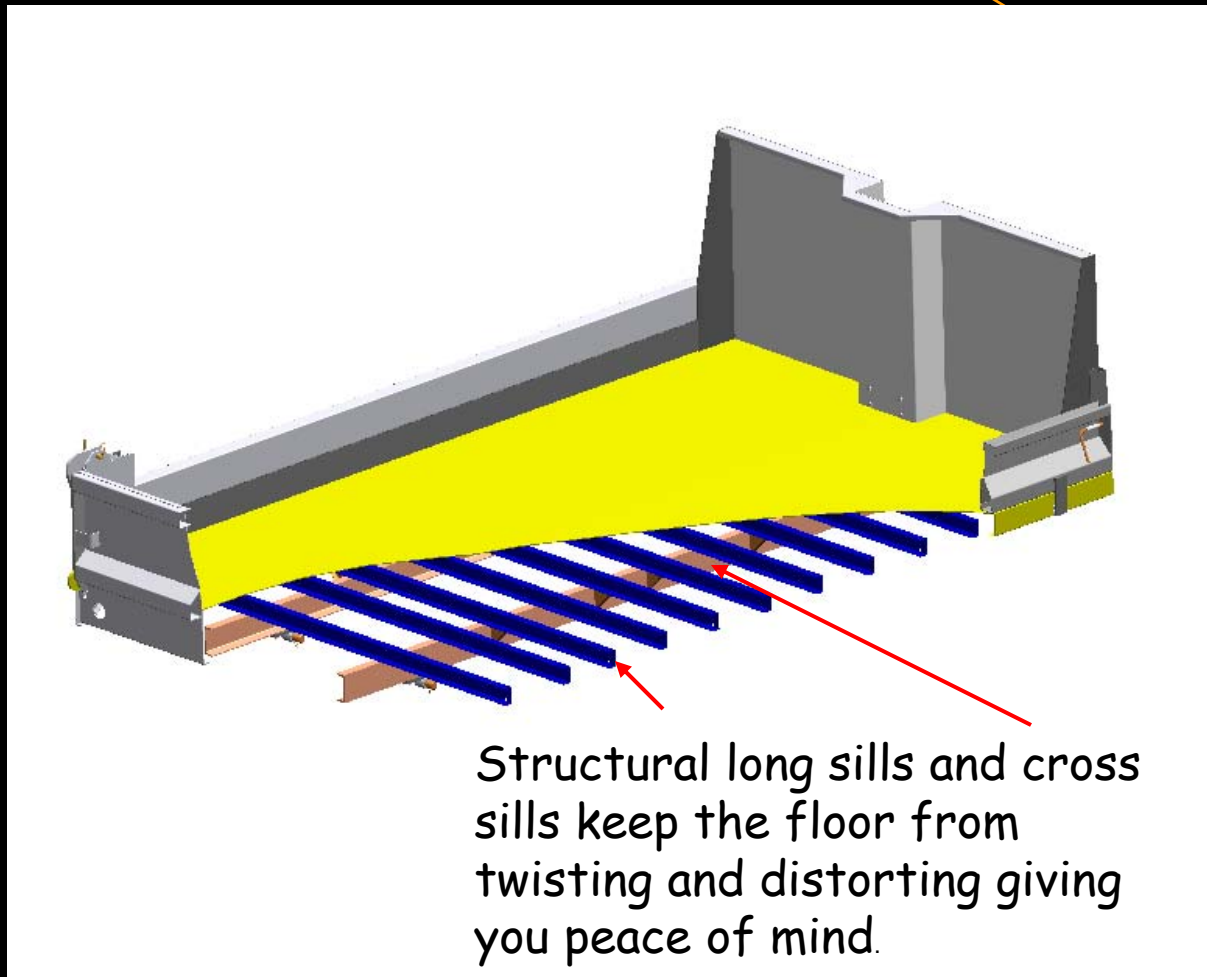
Front Mounted Hoists

- Front mounted hoists require less effort to lift than underbody hoists, drastically reducing the stress on the body and chassis.
- ⇒ Efficient Front Mounted Hoist
- Front mounted hoists are mechanically efficient.
- Front mounted hoists are easier to service.
- Lower force = less stress = longer life.



Front Mounted versus Underbody Hoist (Typical 11 ft Body)

Long Sill / Cross Sill Understructure



Solid Understructure

Lighter -> more payload

Lower Deck Height

National Safety Mark

- When the truck upfit is finished a "Complete Vehicle" label with a "National Safety Mark" must be affixed to the vehicle door jamb.
- This label indicates that the completed vehicle complies with all federal vehicle standards and must be present for the end customer to insure and operate the vehicle.
- The "Complete Vehicle Label" is normally provided by a registered truck upfitter such as Del or else must be provided by the dealership.
- This is not to be confused with the Annual Inspection Sticker which certifies that the vehicle is in good working condition and is normally affixed by the dealer.