

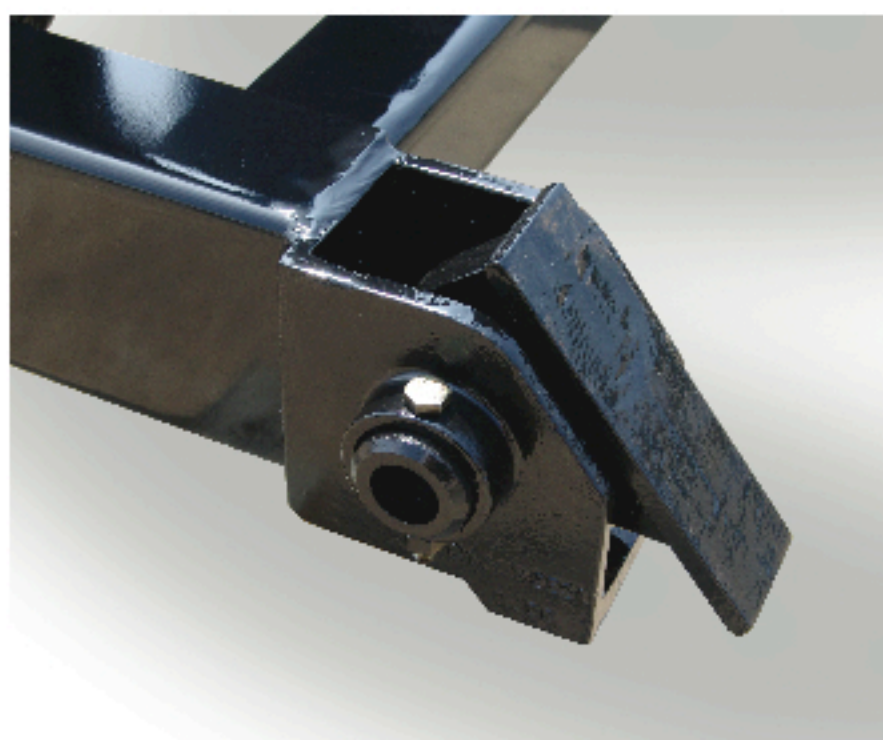
# U624A Hoist



This hoist is easily installed on the trucks chassis' using extra heavy duty 4140 grade cast mounting brackets, with eight 1/2" and two 5/8" grade 8 bolts.



Shown is a U624A heavy duty lift arm. These arms easily attach directly to the body using 4140 grade, 1 1/2" hinge pins. The arms have easily accessible zerk grease fittings.



The hinges are cast 4140 grade steel to ensure durability. Adding to the ease of installation and durability, these hinges are welded directly to the body's longitudinal.

This Subframe is built with A572 grade 50 high tensile steel & 4140 grade weldable castings

## Application Specifications

The U624A underbody hoist is designed to accommodate bodies from 10' to 11'6" long. The U624A hoist is an NTEA type V twin arm, single cylinder underbody hoist which features our independent torque arm design. This hoist has a capacity of 10.1 tons on a 10' body and 9 tons on an 11' body at only 2000 PSI pump pressure. This design provides additional dumping stability when loads are uneven or the terrain is unlevel. This hoist weighs 545 pounds and is approximately 240 pounds lighter than a comparable conversion hoist with a full subframe. The hoist utilizes a 6" cylinder with a 24" stroke and a 2" chrome plated rod. The hoist is designed to mount on top of the chassis and will not interfere with chassis crossmembers or other obstructions. The hoist mounts under bodies with a minimum understructure height of 8" and can provide a minimum mounting height of 13".



## Available Components

Electric pumps are available as double acting (Power up and down). The electric pump is a self contained pump, valve, oil reservoir and remote cable control.

The P21 direct mount gear pump is bi-rotational with side and rear ports for versatility, thus eliminating the drive line for added safety and dependability. This pump has an S.A.E. "B" 2-bolt flange . 10 GPM @ 1200 RPM

The 8.5 gallon box type reservoir is designed to be frame mounted. It hangs out of the way and is equipped with a brass wire mesh suction strainer, oil level & temperature gauge.

The SP4 valve with cable and lever control is used in conjunction with the P21 pump. This valve is easy to install and makes the hydraulic system double acting.

**Champion Hoist and Equipment™**  
200 Champion Drive  
Dunn, NC 28334  
(910) 897-4995 Fax (910) 897-7306