

## ETJ The Complete ... UNDER-THE-HOIST Lifting System

### With Air Powered Hydraulic Control... 1500 lbs. Capacity

The **ETJ** Under-the-Hoist Lifting System is perfect for today's front wheel drive vehicles. This heavy-duty Lifting System is versatile enough to be the only Under-the-Hoist Lift System you'll need.

Service technicians have discovered the best way to remove and install engines and transaxles is the same way they were originally installed by the manufacturers - from below the vehicles. The **ETJ** Under-the-Hoist Lift System is designed to handle, "hands-free", full capacity loads, even off-centered loads, quickly, safely and easily.

The patented control system of the **ETJ** gives service technicians the best of both worlds... the stability of hydraulics combined with the ease and efficiency of shop air. The result is an effortless lifting system that can move as slowly or quickly as the operator likes with the absolute precision necessary to position the load.

### Designed to Safely Lift with Confidence...

- Electric Vehicle Battery Packs weighing up to 1000 lbs.
- Transmissions
- Power Dividers
- FWD Vehicle Engine
- Transaxles
- Fuel Tanks

#### 4" SWIVEL CASTERS...

Non-marring casters provide easy travel over rough floors.

#### FOOT CONTROLLED HYDRAULICS...

Foot control permits hands-free lifting or lowering of loads by pressing down on the right or left side of the patented foot control. The more pressure applied, the faster the load movement.

#### FOUR-WAY PLATFORM TILT...

Four-way micro adjustments allow precision positioning of any size load.

#### SOLID UPPER SHAFT...

2-7/8 inch diameter solid steel.

#### HEAVY CENTER-POST DESIGN

easily supports full loads without side sway or toppling, even while traveling up to 3 feet per second.

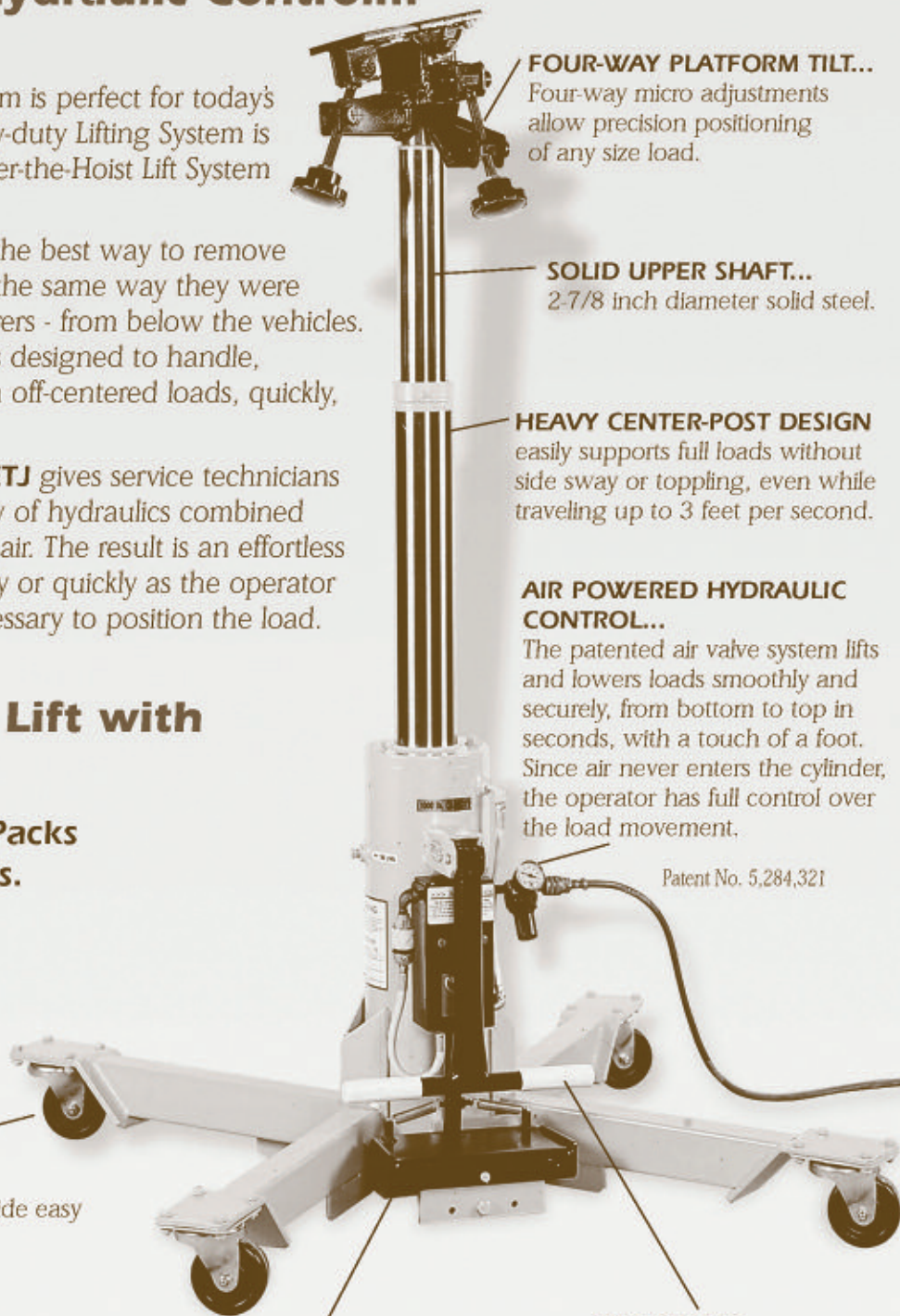
#### AIR POWERED HYDRAULIC CONTROL...

The patented air valve system lifts and lowers loads smoothly and securely, from bottom to top in seconds, with a touch of a foot. Since air never enters the cylinder, the operator has full control over the load movement.

Patent No. 5,284,321

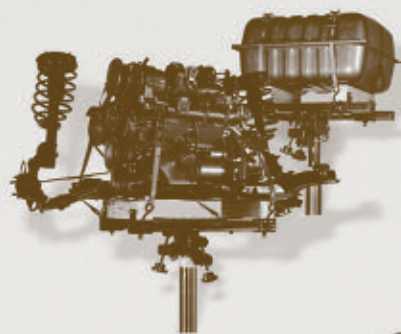
#### TRANSPORT HANDLE

swings to waist high for easy pushing, pulling and steering.



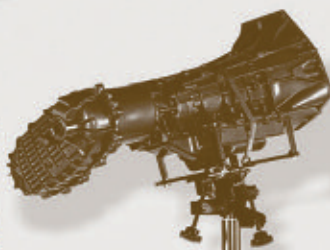


# ETJ Lifting Systems Options



**ETJ-EH** Designed to support FWD engine/transaxle assemblies and fuel tanks. Includes struts and straps

**ETJA-TRAN** Designed to handle even the large 4WD transmission and transfer case combinations



**ETJ-TTJH**  
Designed to lift 5 thru 13 speed transmissions with the same cradle as on our TTJ Lifting Systems

**ETJ-EH & EVJM-xxx** Designed to safely service battery packs for the new electric vehicles, supporting packs weighing over 1000 lbs.



## Specifications

### ETJ Under-the-Hoist Lift System

Maximum air pressure	160 psi
Lifting capacity at 155 psi*	
Large piston	1500 lbs.
Small piston	906 lbs.
Minimum height	35"
Maximum height	74"
Front/back tilt	17/27 degrees
Side/side tilt	12/17 degrees
Base dimensions	42" x 42"
Weight	294 lbs.

### ETJ-EH Support Head

<ul style="list-style-type: none"> <li>includes H-shape lifting head, straps and struts.</li> </ul>	14" x 31"
Capacity	2000 lbs.
Shipping weight	49 lbs.

### ETJA-TRAN Transmission Support Arms

Capacity	1000 lbs.
Shipping weight	14 lbs.

### ETJ-TTJH Transmission Lifting Head

<ul style="list-style-type: none"> <li>includes cradles, elevators and safety chains.</li> <li>capable of using the TTJ-DH Drive Train Handler</li> </ul>	
Capacity	2000 lbs.
Shipping weight	63 lbs.

### ETJ-PE Power Equalizer

Shipping weight	14 lbs.
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\* This Lift System has been expressly designed to remove and install car and light truck components while the vehicle is up on a hoist. To use the ETJ for any other purpose could lead to personal injury and damage to the Lift System.

## ETJ-PE Power Equalizer Accessory

The **ETJ-PE** (Power Equalizer) accessory was developed to increase the lifting ability of the **ETJ** jack throughout its upper lifting range... making both ranges equal on lifting capacity. Connection and removal of the Power Equalizer requires less than 10 seconds.

**Do you need the ETJ-PE? No...most lifting applications do not require the ETJ-PE.**

**Maybe...** under certain adverse condition, this easy-to-use special tool may be necessary for use with large four-wheel drive transmission/transfer combinations such as the older E40D. Tests show that with these large combinations connected to the engine, up to 1100 pounds of force may be necessary to arc the total power train high enough to install or remove the cross member.

**Yes...** the **ETJ-PE** is necessary for lifting large V-6 and V-8 front wheel drive engine/transaxles and support frame combinations higher than five feet above the shop floor.



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