

# TR-SERIES

RAMP-STYLE LIFTS TAKING HEAVY-DUTY VEHICLE SERVICE TO NEW HEIGHTS



MOHAWK –  
*Because* QUALITY LASTS A LIFETIME

**MOHAWK**

MADE IN THE U.S.A.



# TR-SERIES

## Heavy Duty Mohawk Lifts Make the Toughest Service Jobs Quick, Easy and Safe.

Mohawk TR-series ramp-style lifts increase productivity and improve worker safety for any fleet, mass transit or heavy equipment service operation requiring lift capabilities up to 35 tons and beyond.

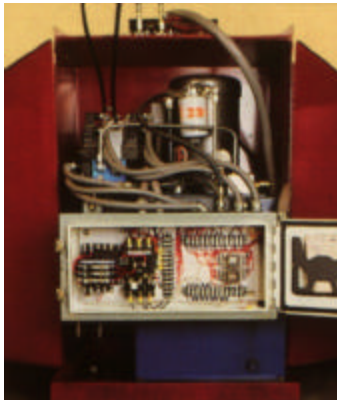
Using Mohawk TR lifts, service crews have complete and unrestricted access to the underside of even the largest trucks, tractors and buses, making it possible to perform complicated repairs on hydraulic, brake, exhaust and transmission systems.



• Control Panel

When raising a wheel is necessary, each TR lift features an optional, rolling jacking beam that provides a solid jack foundation. Because each TR lift provides a clear work space under the vehicle, it's easy to work with large rolling tool boxes, dollies, jacks and other service equipment.

**SAFETY** – The safety systems for the Mohawk TR-series represent the industry standard for security and



• Electric motor/hydraulic pump unit

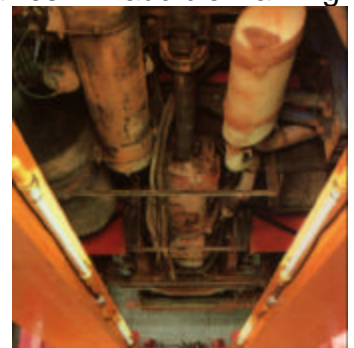
ease of operation. On each of the TR lifts, Mohawk's interlocked, redundant safety systems incorporate:

- A patented mechanical infinite position lock that employs a hardened-steel, negative-rack-angle locking wedge actuated by a hydraulic released cylinder in each column.
- Integral, hydrostatic line blow-off and flow control devices.
- Tamper-proof velocity fuses.
- Mechanical chain synchronization.
- Electrical interlock safety system.



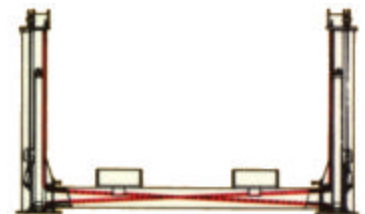
• Wheel chocks

Hydraulic lifting pressure must be present in all four lifting cylinders, in order to release the mechanical safety locks. The lock-release valves on the control panel must be continuously engaged in order for power to reach the solenoid activated up/down control valves. An audible warning



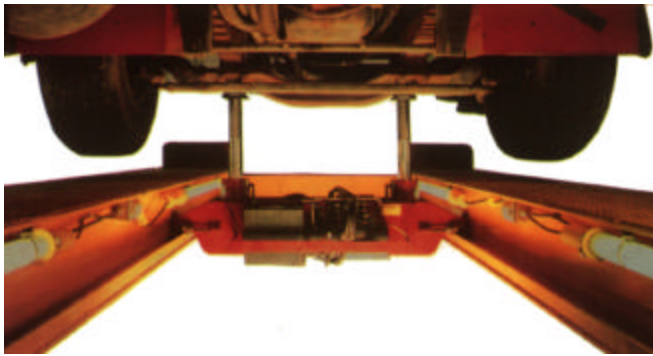
- Full under-vehicle access with optional shatterproof fluorescent track lighting brightens up even the darkest vehicle undercarriage.

signal sounds until the lift is safely at rest and the lock-release valve is disengaged by the operator, thereby automatically reengaging the mechanical locking safeties.

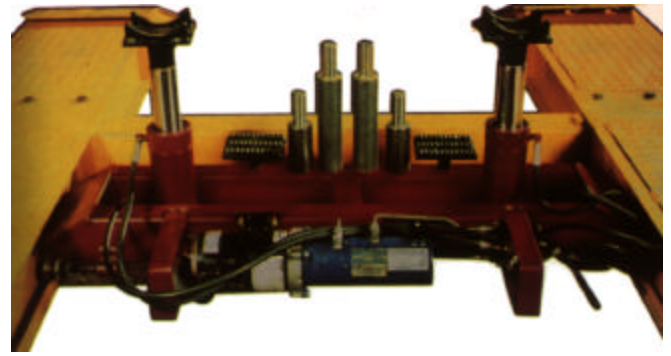


• Routing of mechanical chain equalizers





Mohawk RJ-50, 50,000 lb. capacity rolling electric/hydraulic jacks roll for "wheel free" tire & brake service. Shown with air lines in track, lighting & 110 volt outlets.



Optional rolling 50,000 lb. capacity electric/hydraulic jacks operate on 110 volts, to roll between the cross rails for wheel-free tire & brake service. Two jacking beams allow the entire vehicle to be raised.

**CONVENIENCE** – Installation is easy and is accomplished by bolting the lift posts to the concrete floor. And as with all Mohawk lifts, the TR-series lifts are warranted for five years (except electrical components which are protected by a one-year warranty).

The TR-series control panel is a water-resistant, free-standing unit with NEMA Type 4 pushbutton controls. Side-to-side synchronization is accomplished by means of hydraulic fluid displacement backed by twin opposing leaf chains at the front and rear of the lift; fore-and-aft synchronization incorporates high-precision gear-type flow dividers, an automatic track leveling system, and integral, differential relief valves.

An important feature is the manual fore-and-aft override capability that allows ramp adjustment to accommodate unusual weight distribution or to provide angled lifting for specialized types of under-vehicle service. Hydraulic safeties for descent speed consist of free reverse flow, pressure compensated, flow control valving, that is adjustable to regulate the down speed.

**VERSATILITY** – Access to any part of the undercarriage is unlimited, making even the most complex transmission, rear end or driveline system repairs quick and easy. Adjustable wheel chocks positively engage the vehicle for maximum stability. A bearing-mounted rolling jack beam

provides a safe, stable foundation for jacking wheels off the lift ramps for brake and axle service.

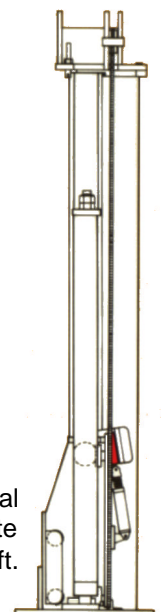
The lift columns are one-inch thick steel forklift masts. Inside the columns are the carriages riding on 32 self-lubricating steel ball bearing rollers. Bolted to the carriages are the cross rails, which support the runways. Each runway is constructed of three parallel eight-inch wide steel I-beams welded together and topped with diamond plate for traction. All nuts, bolts and fasteners throughout Mohawk's lifts are U.S. manufactured SAE Grade 8 fasteners.



TD-1000 high rise tire dolly makes tire & brake work go faster even on the heaviest dual tires.



Mohawk's exclusive mechanical locking system allows infinite stop-lock positioning of the lift.



## TR-35 & TR-50

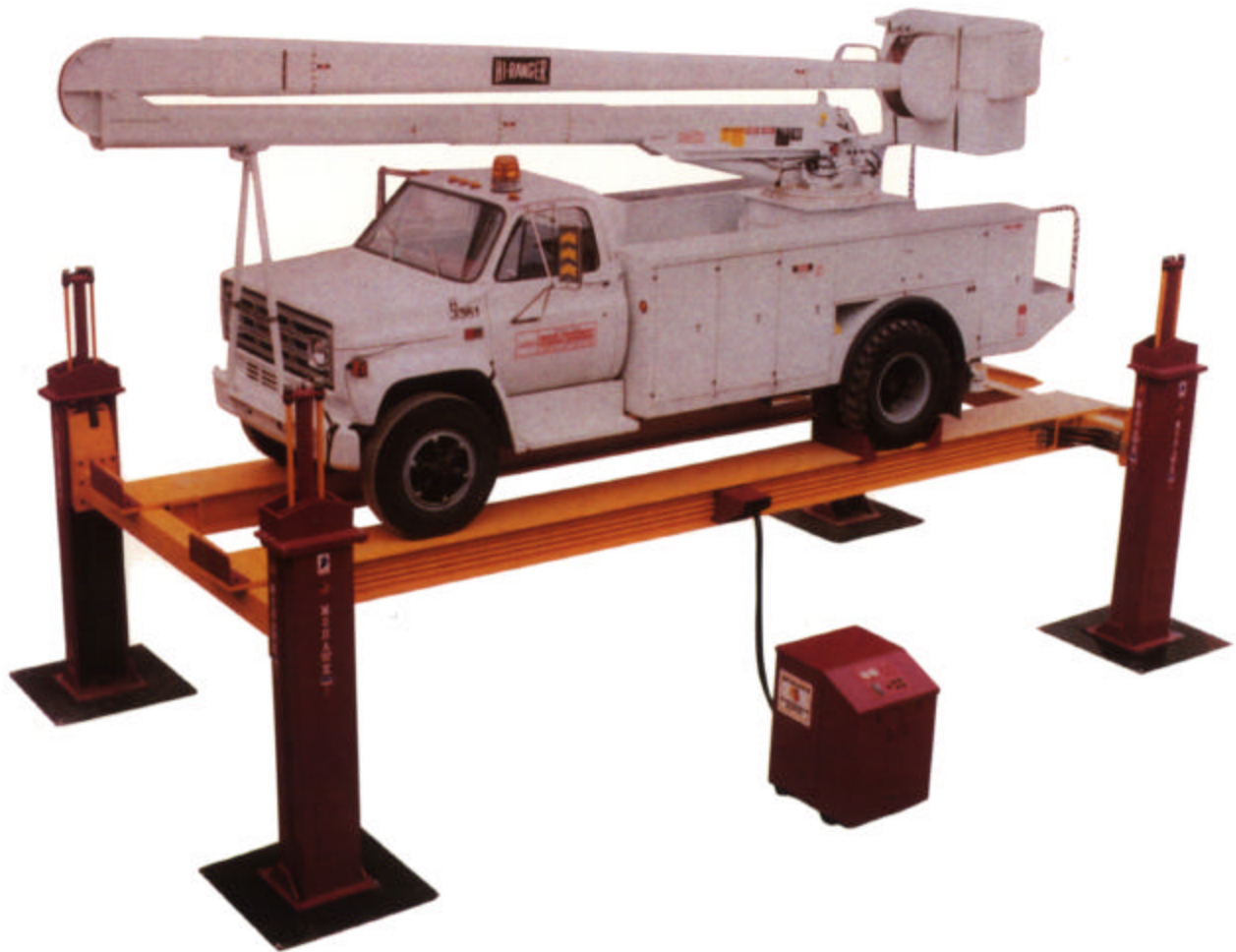
# HEAVY EQUIPMENT AND MASS TRANSIT OPERATIONS GET JUST THE LIFT THEY NEED FROM MOHAWK'S TR-35 AND TR-50

- Choice of 35,000 lbs. Or 50,000 lbs. Or heavier capacities.
- Unrestricted under vehicle access.
- Three-phase, 60 cycle, 5 or 7.5 horsepower electric motor powering a submerged hydraulic pump rated for 5 GMP at full system pressure.
- Fully interlocked, redundant safety systems, featuring Mohawk's patented infinite positioning mechanical stop.
- Free-standing, fully instrumented control panel for safety, convenience and ease of operation.
- Standing track lengths of 20, 25 and 30 feet (custom lengths available upon request).
- Rolling jack beam serves as stable foundation for raising wheels off the lift tracks.
- Wheel chocks assure stability of the positioned vehicle.
- Easily installed in just one day.
- Five-year warranty.



(Lift shown with optional 4' x 4' support pads for installations where concrete is inadequate)

## TR-75



### FOR EVEN THE HEAVIEST VEHICLES, MOHAWK'S TR-75



Parallelogram lift

- Up to 75,000 lbs. Of heavy-duty lifting power.
- All the same features as Mohawk's TR-35 and TR-50 lifts.
- Built to handle the heaviest, toughest jobs.
- Three-phase, 60 cycle, 10 horsepower electric motor.
- 30' standard track lengths. Available from 20 to 50 feet (or longer).
- Six-post design for longer runways assures maximum stability and strength.
- Massive lifting power. Completely operable by a single service technician.
- Can be custom fabricated for wider, narrower, longer, shorter or heavier applications.
- Mohawk lifts reduce floor space length requirements as compared to parallelogram lifts.
- Mohawk 24" wide runways allow more undercarriage access than 30" wide parallelogram runways.
- When raised, Mohawk lifts offer a clear, unobstructed work area compared to parallelogram lifts.

# MOHAWK TR-SERIES

## Raising the Standards of Heavy-Duty Lifts

### TR-50 SPECIFICATIONS

Capacity:	50,000 lbs.
Lifting Speed:	120 seconds
Motor Rating:	7.5 H.P. 220 VAC, 3-phase
Lifting Height (Stroke):	5'
Runway Height at Full Stroke:	6' 3-1/2"
Weight:	17,000 lbs.
Overall Length:	35' 7-1/4"
Overall Width:	14' 5"
Width Between Posts:	11' 10"
Track Width:	24"
Lifting Mechanism:	(4) Direct drive cylinders using no cables, chains or mechanical lifting screws
Synchronization (Side to Side):	Hydraulic fluid displacement backed by twin opposing leaf chains
Synchronization (Fore and Aft):	Manual or automatic controls gear-type flow dividers, integral differential relief valving, and a fluid track leveling system
Mechanical Safety Systems:	Infinite position mechanical locking wedge in each post
Hydraulic Safety Systems:	Integral hydrostatic line blow off flow control devices & velocity fuses
Electrical Safety Systems:	Cross-wired electronic system
Push Button Electronic Controls:	NEMA Type 4 Waterproof Solenoid operated
Wheel Chocks:	Standard Equipment
Concrete Requirements:	4000 PSI concrete 8" thick or (4) 6' x 6' footings 12" deep
Work Area Around/Under Lift:	Clear and unobstructed when lift is raised



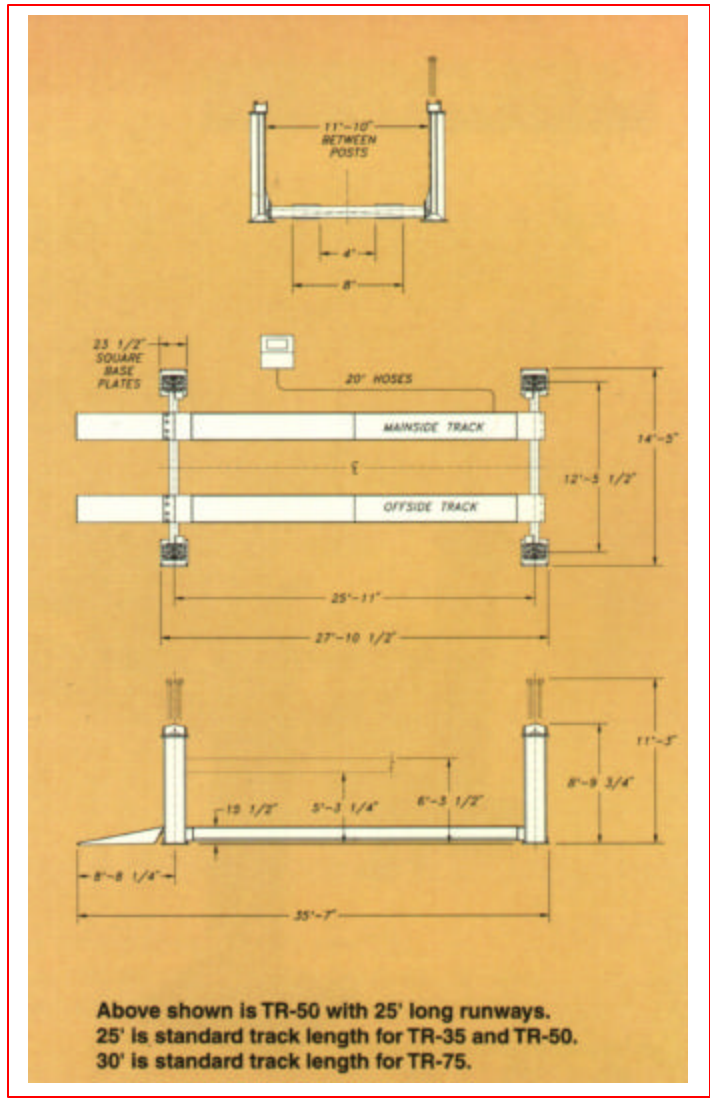
Warranty:

5 years – extended cylinder warranty – 1 year on electrical components

Certified by ETL Testing Laboratories to Conform with ANSI/ALI B 153.1-1990 Standard\* - Meets ANSI and NEC safety codes

### Available Options:

- Single Phase Power @ 208-230 VAC
- Drive through ramps
- RJ-50 Elec/Hydr Jacking Beam
- Air Lines Plumbed into Tracks
- Obstacle Sensor Package
- Longer & Shorter Cross Rails
- Three Phase Power @ 440-480 VAC
- 110V Outlets
- JP-50 Jacking Platforms
- Oil Drain Pan
- 4' x 4' Base Plates
- TD-1000 Tire Dolly



Above shown is TR-50 with 25' long runways. 25' is standard track length for TR-35 and TR-50. 30' is standard track length for TR-75.

**SEE SEPARATE SPEC SHEETS FOR TR-35 & TR-75**

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

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E-mail Mohawk's Sales  
 Manager

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\*Lifts manufactured less than 20' or more than 30', higher lift heights, larger capacity than 75,000 lbs. Or wider than above dimensions are not ALI/ETL certified.