

INTRODUCING
the
PhantomPark

Offered exclusively by

American Custom Lifts

American Custom Lifts

- ACL (American Custom Lifts) is a privately held company based in Escondido, CA.
- ACL specializes in unique, custom designed specialty lifting and positioning devices.
- Custom designed to-the-application material handling lifts, vehicle lifts, tilters and turntables
- And the uniquely original PhantomPark subterranean parking lifts
- PhantomPark - Safe and secure storage and extra parking for cars, SUV's and light trucks.

PhantomPark

Subterranean Parking lift

The newest and most innovative 2-deck underground vehicle parking system in the world and it is made in America. The deck structure and components are completely concealed below ground so there is no indication that a lift (or second car) is present when lowered. The PhantomPark, a unique breed of lift for the uncompromising property owners that need affordable parking space.



Store your valuable cars safely



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Two PhantomParks side-by-side



These canopies are equipped with a safety toe sensor that stops downward movement if it encounters an obstruction.

PhantomPark

Design Features....

- Proven scissor lift design with over a hundred units in use
- Meets ANSI standard MH29.1. – The Safety Requirements for Industrial Scissors Lifts
- Designed and manufactured with a minimum 3:1 safety factor (some load bearing elements are as high as 10:1)
- Industrial based, performance design.
- 3D design (SolidWorks) and state-of-the-art stress analysis
- High performance bushings (lubricated-for-life) maintenance free!

PhantomPark

Design Features....(cont'd)

- **Cylinder return lines** (eliminates the oily mess associated with hydraulic lines)
- **Industrial needle bearing hard-faced camfollowers used on all leg rollers.**
- **Hardened runner strips** (for camfollowers) in base and under the platform
- **One piece, solid steel legs** (no load bearing welds)
- **(7) Seven heavy tubular crossmembers provide straight & true vertical tracking throughout the travel range**
- **Heavily reinforced canopy – Deflection is not an issue here**
- **Industrial duty, high cycle hydraulic cylinders**
- **.....and much more!**

Optional Safety Features

- Vehicle present sensors (overhead vehicle protection)
- Motion detectors (additional personnel safety)
- Cameras and monitors (security and safety)
- "Light curtain" to protect the perimeters
- Tapeswitch to guard against obstructions
- Rigid accordion skirts (under platform protection)
- Emergency stop buttons
- Key lockout controls (authorized use)
- Programmable keypad operation (for authorized use)
- Flashing warning lights (visual warning)
- Audible warning signal (audible warning)
- Two second warning (prior to lift movement)
- Non-skid surface finishes (when floors get wet)
- Enclosures (additional personnel safety)
- Door and gate interlocks (additional personnel safety)

Competitive Comparisons

The old adage “you get what you pay for” has never been more true than with subterranean parking lifts. These large scissor lifts may look similar to the layman, but there are many important differences. The following brief comparison will help you understand these important distinctions.

Competitive Comparisons

Feature	PhantomPark	Competitor
• Full two year parts & labor warranty	Yes	No
• Manufactured in the USA	Yes	No
• Designed in accordance with ANSI MH29.1	Yes	No
• Solid steel legs	Yes	No
• Scissors leg free of loading bearing welds	Yes	No
• Heavily reinforced canopy	Yes	No
• 6" square tube canopy supports	Yes	No
• Single scissors (minimal moving parts)	Yes	Yes
• Bevel toe guard on canopy	Yes	No
• High cycle hydraulic cylinders	Yes	No
• Hardened camfollowers (leg rollers)	Yes	No
• Hardened roller tracks in base & platform	Yes	No

Competitive Comparisons

Code Approval

American Custom Lifts provides all design and safety features as required by ANSI MH29.1 (the safety requirements for industrial scissors lifts). This includes an engineer's evaluation of the homeowner's construction plans, and recommendations for design and safety features to ensure the entire installation is as safe as possible. This done at no charge to the customer

Competitive Comparisons

American Custom Lifts single leg set uses three large bore, 1,000,000 cycle rated, high pressure cylinders



Competitors double pantograph design has four smaller bore cylinders



Competitive Comparisons

American Custom Lifts legs are 1 ½” thick and 12” tall at the widest point. These legs are solid steel cut from a single slab – no welds in tension, no welds to weaken, no welds to tear.



Competitors legs are hollow tubes. They have bar stock welded into the ends to attach the legs to the base and platform. Eight legs, sixteen critical welds supporting the load.



Competitive Comparisons

It is the cross-members between the scissors legs that keep the lift tracking straight and level. If the legs are not held straight, the platform will not be level.

American Custom Lifts has (7) seven heavy wall large diameter torque tube crossmembers welded between the solid



Competitors legs are hollow tubes. There are only five cross-members and they appear to be small.

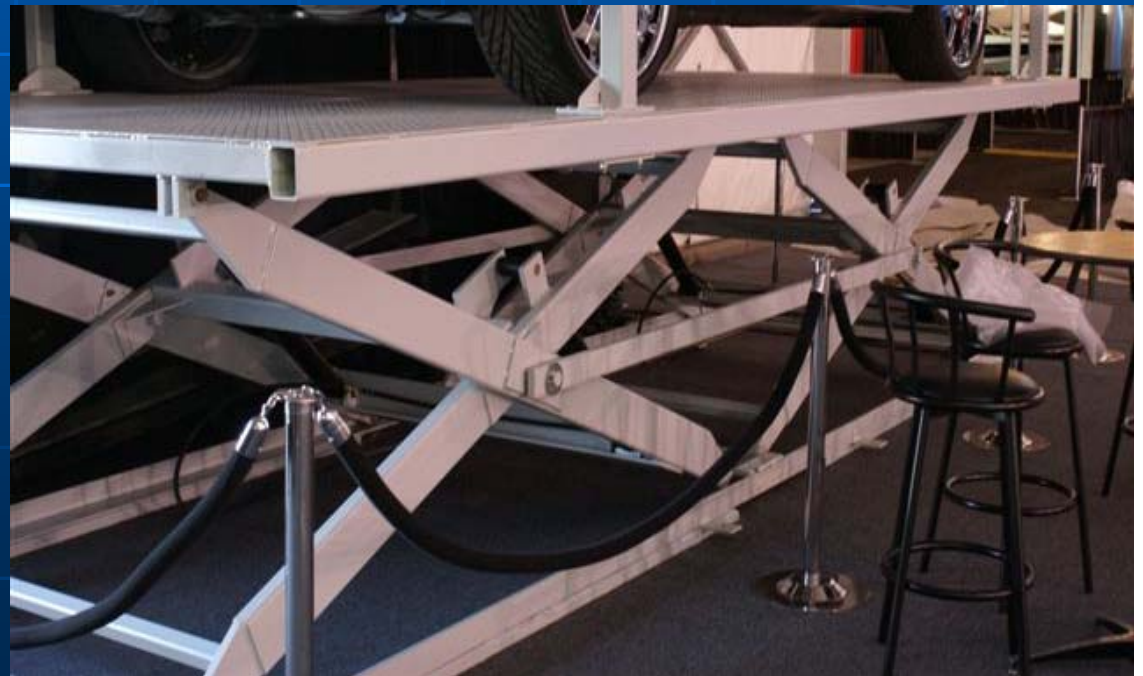


Competitive Comparisons

**American Custom Lifts uses a single pantograph, simple design with the fewest moving parts
(13 moving points)**



**Competitor uses a double pantograph design More the twice the moving parts.
More to wear, more to break and more to maintain (24 moving points)**



Competitive Comparisons

American Custom Lifts builds a bevel toe guard into the edge of the platform to provide toe protection as the lift is lowering. This is a safety requirement of the ANSI standard MH29.1 – 2008.

The competitors lift has a straight edge and this represents a serious hazard to any personnel near the lift when it is lowering.



Bevel toe guard



Edge of pit

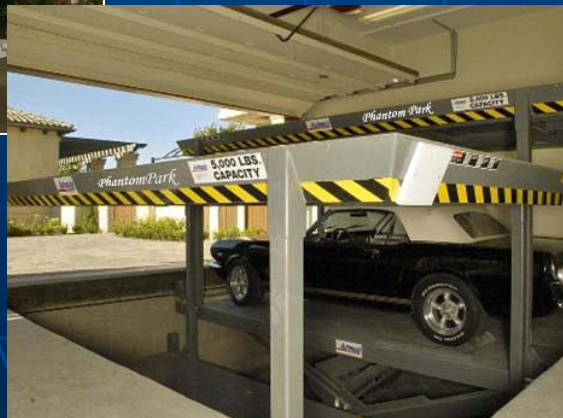


Lift platform

Competitive Comparisons

American Custom Lifts uses a heavy wall 6" square steel tube to support the canopy. Rigid, solid support regardless of the weight of the vehicle being driven on the canopy

Competitor uses 4" tubes (est'm) which does not provide the strength of a 6" tube. The additional supports to help brace the lighter tube may just get in the way.



Competitive Comparisons

American Custom Lifts designed a plurality of steel plates to form a rigid superstructure to support the deck plate – no buckling or “oil canning” here.



Competitors platform is thin and lacks proper support to resist buckling and deformation under the imposed load of a vehicle.



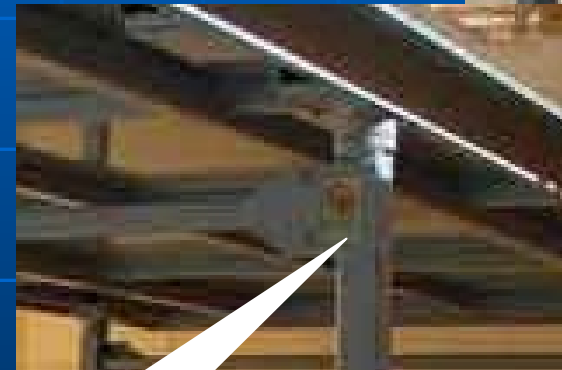
Competitive Comparisons

American Custom Lifts “fit and finish” is uncompromising – the best of materials, properly cut and squared and welded solid. All steels are pickled which removes all the mill scale rendering a high quality finish.

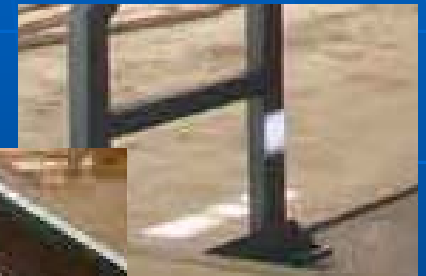
Competitors materials seem to be smaller item for item, and in any case, the detail in workmanship is clearly lacking



6" tube to support canopy



4" tube to support canopy



Edge of pit



Lift platform

PhantomPark

Subterranean Parking lifts



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