

VEHICLE **LIFT** GUIDE

GUIDE TO **NEW LIFT TECHNOLOGY** FEATURES, INSTALLATION, AND MAINTENANCE BEST PRACTICES

Find the right fit

A facility's physical characteristics play a big part in lift purchases.

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Maximize productivity

A look at lift attributes based on vehicles and service.

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Your guide to heavy lifting

Careful purchase and maintenance practices can lay the foundation for years of safe and successful service.

by Sara Scullin, Editor, PTEN magazine

A lift is a big buy in many ways. It takes up a significant amount of precious floor space in busy maintenance facilities and repair shops, and the work a lift provides is significant. This is one investment that deserves the utmost thought and care to ensure both ROI and a safe work environment. Attention to lifting equipment doesn't stop after the purchase, either. Routine technician training, best practices, and a structured maintenance schedule should all be top-of-mind years after this equipment is installed.

In this guide we review the various types of lifts available for professional maintenance and repair work, as well as key updates in lift technology and features, and installation and maintenance best practices.

It's important that shop owners and facility managers select the equipment that will work for the vehicles their shop services. Other considerations like the type of services performed, physical shop size and features, and state and local building codes will all factor into the buying decision. Luckily, purchasers do not have to make this decision alone.


BUYING IS JUST THE BEGINNING

Shops should always bear in mind that improper lift use, or not paying close attention while operating, can be costly and dangerous, resulting in critical injuries or worse. That's why, in addition to

a lift's features and capabilities, careful thought should also be paid to preventative safety measures, maintenance, and overall safety guidelines for this equipment.

It is the duty of shop owners and facility managers to provide their workers with up-to-date information, instruction, and supervision in the interest of health and safety. Make sure all lifts and lift equipment are certified by the Automotive Lift Institute (ALI), and regularly inspected by a qualified lift inspector annually (at minimum). See to it that only qualified contractors are making repairs. Verify the equipment and its accessories are functioning properly, including swing arms and swing arm pads, restraint devices, hoists, etc. (replacement lift parts must meet OEM specifications to maintain ALI certification). Instruct all lift operators in the facility on safe use and operation, using manufacturer-provided instructions and warning labels. Work with manufacturer recommendations to establish periodic planned maintenance for maximum reliability and safe operation.

It's an exciting time to research and purchase lifting equipment that can help take your business to the next level of productivity, as more lift manufacturers are incorporating new ease-of-use and safety features into their overall design.

Make information and best practices a priority when it comes to your lift purchases and upkeep. 

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Lifting line-up

Choosing the right lift can help to speed service and maximize ROI.

by Sara Scullin, *Editor*

For any facility tasked with maintaining and repairing vehicles, it is essential to select the proper lifting equipment for maximum efficiency. This is true for small, two-bay light duty repair shops all the way up to large trucking and heavy duty equipment facilities.

“When selecting a lift, a shop must first consider the type of service being provided,” says Peter Bowers, technical sales support manager at Stertil-Koni. “For example, if quick preventative maintenance services are paramount and turnaround time is vital, platform lifts are ideal [because] they deliver speedy, easy access to vehicles.”

He adds, if a shop is more likely to book heavy repairs such as engine and transmission removals, they might benefit more from inground lifts with wheels-free lifting and unrestricted undercarriage access.

“The size and weight of the vehicles being serviced must be carefully considered,” Bowers says. “A platform lift must be of suitable length with adequate capacity. When opting for an inground lift, axle loads and weight distribution front/rear must be considered to ensure lifting capacities are sufficient. That’s why heavy duty vehicle lifts with automatic synchronization systems to ensure smooth lifting and lowering are vital.”

“Finally, don’t forget to measure overhead clearance,” Bowers adds. The lift should be able to lift the tallest vehicle in your fleet to full height without concern.”

The Automotive Lift Institute (ALI) is an independent certification organization that provides safety and testing for the automotive lift industry in the U.S. and North America. On its website, ALI

reminds shop owners that no lift is one-size-fits-all, which is why most general shops need to install more than one of these seven lift types:

1. Two-post surface mounted lifts
2. Multi-post runway lifts
3. Drive-on parallelogram lifts
4. Scissor lifts
5. In-ground lifts
6. Wheel engaging mobile units (mobile columns)
7. Low/mid-rise frame engaging lifts

TWO-POST SURFACE MOUNTED LIFTS

Two-post surface mounted lifts are a common sight in automotive repair shops. The versatile option can handle nearly all vehicle lifting applications and allows for full access underneath light and medium duty vehicles, which is a great help to technicians performing general maintenance work.

Two-post lifts are usually frame-engaging and have swing arms which travel up the two columns. Two-post lifts are synchronized mechanically, hydraulically, or electronically. A variety of accessories and adapters allow for different functions, such as wheel-engaging operation. ALI offers this safety tip for two-post surface mounted lifts: “To provide support, always lower the lift onto the load-holding devices. Some two-post lifts are equipped with an overhead shut-off bar.”

MULTI-POST RUNWAY LIFTS

Multi-post runway lifts allow vehicles to be driven onto two runways and lifted by the tires, providing technicians with full access to the underside of a vehicle. These lifts can also be configured

for wheels-free service, if needed. It’s another versatile option for many shops, including those that maintain heavy duty vehicles and fleets.

Multi-post runway lifts are commonly configured as four-post surface mounted lifts, according to ALI.

DRIVE-ON PARALLELOGRAM LIFTS

This type of lift can be used to service medium to heavy duty, off-highway equipment. Some drive-on parallelogram lifts can be configured to perform wheels-free services.

According to ALI, “Traditional parallelogram lifting mechanisms move the vehicle a short distance fore or aft when lifting or lowering. Most parallelogram lifts are drive-on lifts with two runways. Some hybrid versions of this lift type move straight up and down.”

Parallelogram lifts are powered by an electro-hydraulic power unit. Synchronization of the two parallel runways is usually accomplished by hydraulic or electronic means. Sometimes a torsion bar connected to opposing parallelogram legs is employed to assist in synchronization.

SCISSOR LIFTS

Scissor lifts may be equipped as a drive-on style with runways, or as a lift that is frame- or body-engaging. “The scissor lift has a lifting mechanism similar to a traditional parallelogram lift, however, it lifts and lowers a vehicle in a straight vertical path, rather than fore or aft of its original position,” ALI says. Scissor lifts are often found in low-ceiling garages, as they offer ample space to work.

Many scissor lifts permit full access beneath vehicles, while others are primarily designed to assist in wheel

MULTI-POST RUNWAY LIFTS



DRIVE-ON PARALLELOGRAM LIFTS



WHEEL ENGAGING MOBILE UNITS (MOBILE COLUMNS)

Commonly referred to as a mobile column lift, wheel-engaging mobile columns are used in sets of two, four, six, or more units. Each of the individual columns is mobile, contains an electric power unit, and is operated by a hydraulic cylinder or screw drive, says

ALI. The columns communicate wirelessly, or through cables, to enable synchronized operation to lift and lower a vehicle. This popular lift type requires a hard, level surface and can be moved as needed to lift the vehicle.

Mobile columns can be positioned and operated by one technician. While sometimes used for light duty vehicles, this type of lift is most often seen in heavy duty facilities, helping to bolster articulated buses; Class 8 trucks; forklifts; agricultural equipment; military, industrial, and utility vehicles; and more.

LOW/MID-RISE FRAME ENGAGING LIFTS

“Low and mid-rise frame or body engaging lifts usually engage the vehicle’s frame or its perimeter. The lift operates in either a traditional parallelogram-style (which moves fore or aft as it lifts and lowers) or a scissors-style [which moves in a straight vertical direction],” ALI says. This type of lift may be powered by an electric-hydraulic power unit or compressed air. Technicians will often enlist the help of a low/mid-rise frame engaging lift for tire, brake, and wheel service, as well as collision repair, as this lift type does offer limited access to the underside of a raised vehicle.

Information in this article was organized with the help of ALI (autolift.org) and Stertil-Koni (stertil-koni.com). ●



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IN-GROUND LIFTS



WHEEL ENGAGING MOBILE UNITS (MOBILE COLUMNS)



LOW/MID-RISE FRAME ENGAGING LIFTS

TYPES OF LIFTS

service, suspension work, and auto detailing. Some can be configured to perform wheels-free service.

When it comes to heavy duty vehicles, a scissor lift is well-suited to servicing articulated buses, fire and rescue vehicles, multiple-axle trucks, and school and transit buses, to name a few.

IN-GROUND LIFTS

Lifts with lifting assemblies installed below the garage floor are known as in-ground lifts. Most modern in-ground lift manufacturers have developed systems to

contain all of the hydraulic components within an enclosure. This reduces the risk of soil contamination from hydraulic leaks, says ALI.

In-ground lifts are manufactured to suit almost any type of repair or maintenance service on virtually any vehicle. They offer technicians wheels-free access to vehicles and are ideal for shops with low ceilings. From a safety perspective, in-ground lift floor covers are flush, preventing tripping hazards and tools from dropping into the pit.

Find the right fit

A facility's physical characteristics play a big part in lift purchases.

by Sara Scullin, Editor

Selecting a lift isn't just about accommodating the vehicles lined up outside. Fleet managers and shop owners must factor in their shop's physical environment to make sure their technicians, in addition to their vehicles, are well-served. Details like ceiling height, flooring material, and square footage are just some considerations that may lead a shop owner to favor one lift design over another. Whether making an initial purchase or replacing existing equipment, before the purchase - and even before deciding on a lift type - it's important that shop owners regard their facility with new eyes and do their due diligence when it comes to finding the right lifting equipment.

"Vehicle lifts have long been one of the soundest investments a professional shop can make," says David Shedlock, BendPak's director of national accounts, North America. This is true for body shops, quick lube stations, car dealerships, and heavy duty service locations, in addition to general repair facilities. Because each facility varies so much in terms of size and composition, it's important to consider every last detail.

"How a facility is laid out is a major consideration when purchasing lifting equipment," says Megan Belt, account director at Rotary Lift. She adds the Rotary team encourages prospective buyers to take a hard look at details like available space, traffic flow, flooring, ceiling height (overhead clearance), and whether the facility is leased or owned. For example, if the service facility is leased and the installation of fixed lifts is not permissible or cost-effective, a mobile column



Photo from Bendpak.

lift might be an ideal solution to address most service operations.

Here are some more details to consider when selecting a lift (or lifts) that will best fit your space.

MEASURE MORE THAN ONCE

BendPak's Shedlock recommends that even before shopping, it's wise to get accurate measurements and statistics for the bay or garage, including ceiling height.

"Check to make sure the garage or service bay can accommodate the fully raised height of the lift when it's loaded with the vehicles you'll be working on," Shedlock says. "When it comes to two-post lifts, overhead cross bars can sometimes limit how high you can raise a vehicle. Make sure to account for the cross bar in your calculations. If the vehicle won't fit, see if the lift is available in an extended height edition."

Furthermore, consider how vehicles will move inside the space once equipment is installed.

"Turning radius is a factor in lift selection usually at the point of facility design," Shedlock says. "Basically, you

Give your lift a look-over every day before you use it, check the safety devices, operating controls, lift arms, and all moving parts to make sure everything is functioning properly.

need to make sure that the vehicles you're planning to service can be driven into the bay without a lot of wasted time spent maneuvering. This especially comes into play in shops with multiple bays set up along a center aisle," he says.

MATERIALS AND MOCK-UPS

Even the type of floor inside the facility should be examined. It's important to assess whether the concrete floor (for example) and the ground substance beneath it can support heavy lifting equipment.

"Like everything else, concrete slabs have their weak points and strong points," Shedlock says. "After you've made sure that your floor can support the lift you're considering, remember that it's a bad idea to install it near a seam, slab edge, or directly over a tension cable. These mistakes could lead to injury or reduce the usefulness of your new lift."

In addition, shop owners and facility managers should enlist the help of



Photo from Rotary Lift.

professionals who can help them to see the big picture – this includes the lift manufacturer, installer, and even a facility planner. In today’s world, there are more resources and tools than ever available at a buyer’s fingertips – resources designed to help customers feel supported through the process, and confident in this important purchasing decision. One such tool end-users can tap into is 3-D floor planning software.

Some U.S. lift manufacturers harness the help of special software to walk customers through a conceptualized redesign of their facility for 3-D visual experience. The Sweden-based ECDESIGN is one company that offers this experience. According to their website, “The ECDESIGN Repair Shop Planner [helps end-users] create a well-planned layout and maximize usage of space.” Features of the software include drawing tools, the ability to input existing drawings, 3-D models, and “walkthrough” videos showcasing a final floorplan.

“Using 3-D space planning in the repair shop design and planning process can help ensure customers receive the best possible solution for their facility,” the company says. “[End-users can] customize the layout to maximize floor space and use equipment from automotive aftermarket companies.”

SHOP SMART AND SAFE

Knowing the dimensions of your workspace, the weight classes of the vehicles you’ll be lifting, and what features are most important to you – even before comparing brands – will all save time in the purchasing process.

Rotary Lift’s Belt recommends prospective lift buyers consult directly with lift manufacturers for technical specifications on specific products. Together, they can determine what lift best suits the weight class of vehicles serviced, as well as any “important-to-you” product features, such as charging capabilities.

“Does [the lift] require adding 220V or three-phase power wiring to the shop, or does it operate on battery-powered 110V that can be charged with a standard outlet?” Belt asks.

Finally, don’t neglect safety. Buyers should compare safety features and systems of all lifting products, and always look for the gold label that reads “ALI Certified,” as only lifts that have passed independent safety testing can use this label.

When the research into fit, function, and features is done, it’s time to buy. But the journey to technician satisfaction and improved ROI doesn’t end there. After the purchase it’s time to work with a reputable lift installer to get the new lifting equipment up and ready to use in the bay. Many lift manufacturers use a network of third-party service teams throughout the country to help end-users with installation, setup, and support.

And after that, a consistent, closely adhered to maintenance schedule will set the stage for success, as well-maintained equipment prevents downtime and ensures technicians are safe and productive.

Determining not merely which lifts work – but where they work – will help ensure maximum technician productivity and safety on the job. 🛠️

The best lift equipment lets technicians work comfortably and efficiently, while at the same time maximizing available space and ensuring a smooth workflow.

Smart lift purchase takeaways:

- **Choose the right lift for you.** Consider lift capacity, clearance, foundation requirements, and whether the lift can access manufacturer-recommended lifting points on the vehicles you serve.
- **Review local building code regulations.** The International Building Code requires that any vehicle lift installed meet the safety standard ANSI/ALI ALCTV (current edition).
- **Confirm the lift is ALI-certified.** Look for the ALI Gold Certification Label.
- **Get help from trusted professionals.** Work with experts at ALI member companies, participants, or approved distribution channels.
- **Check for scams and false claims.** Review the current list of 'Buyer Beware' claims and lift certification FAQs.
- **Remember the accessories.** You may be able to improve a lift’s versatility with options and accessories, but make sure they’re approved for use with that specific lift.

Source: *Automotive Lift Institute*
autolift.org

Safe and efficient lifting

Tips to help choose the right lift, use it correctly, and get vehicles on the road faster.

by Gregg Wartgow, Contributing Editor

A vehicle lift can be one of the most productivity-enhancing pieces of equipment in a shop. It can also be one of the most dangerous, especially if the wrong type of lift is being used or technicians are not using it properly.

There are several styles of lifts to choose from. Regardless of which style is purchased, several leading manufacturers agree that the ALI Gold Label is an essential feature to look for.

ALI is the Automotive Lift Institute. According to its president, R.W. “Bob” O’Gorman, one of the most important considerations from a safety perspective is whether or not the lift has been third-party tested and certified by ALI to meet the requirements of North America’s applicable electrical and mechanical safety standards.

“ALI recommends never buying an uncertified lift,” O’Gorman says. “After all, your safety is riding on it. Plus, in most of the U.S. and Canada, local building codes require that only certified lifts be installed. The International Building Code, which is in use or adopted by all 50 U.S. states, requires that all installed vehicle lifts conform with ANSI/ALI ALCTV.”

It is also important to note that ALI certification is a completely voluntary program. While many lifts from many leading manufacturers seek and attain the ALI Gold Label, not all do. Looking for that ALI stamp of approval is an important step in a fleet’s lift-buying research.

WHAT TYPE OF LIFT DO YOU NEED?

Paul Feldman, director of marketing for



Photo from Stertil-Koni

heavy duty lift manufacturer Stertil-Koni, says another important research step is to identify the parameters, requirements, and limitations of the maintenance facility. Shops should also think about the services being performed. Do technicians need access to the tires? How many vehicles will be lifted over the course of a day, and how heavy are those vehicles?

“There are many types of heavy duty vehicle lifts,” says Peter Bowers, technical sales support manager at Stertil-Koni.

Arguably the most popular in a fleet setting is the mobile column lift. Allister Collings, president of mobile column lift manufacturer SLEC, says fleets buy mobile lifts for two reasons. One is the portability factor. The other is under-vehicle access.

“The lift can be wheeled around the shop and used in any work bay – even outside should the need arise,” Collings

A shop needing to perform quick oil changes can benefit from a lift they can drive a vehicle on and off of easily, such as a platform lift.

says. “Then, accessibility is unobstructed because all lifting devices are under the tire, leaving everything else free.”

Once a user has decided to purchase a mobile column lift, Collings says there are two decisions that will guide the fleet in a particular direction, provided that cost isn’t the overriding factor.

“Fleets can choose hydraulic versus steel screw and bronze load nut, and wired versus wireless,” Collings says, adding that one is not necessarily better than the other. “A hydraulic lift is faster to raise and lower [approximately 94 seconds] which will appeal to some fleets. The self-locking screw lift is a bit more robust but will operate slower [approximately 150 seconds] for peace of mind. If

the fleet is typically lifting two vehicles per day, the time saved is four minutes – no big deal.”

Wireless operation can be appealing because there are no cords to deal with, which also reduces a tripping hazard in the shop. However, fleets should remain cognizant of potential drawbacks to wireless operation, such as potential intermittent signal interruptions.

The mobile column lift is not the only lift type shops can benefit from. Other types include platform, swing-arm wheel-engaging two-post, and in-ground lifts in both low-depth scissor style and traditional vertical piston.

“Fleets need to think about what they are lifting, the weight of the vehicles they are lifting, any weight imbalance from front to rear, and the services their technicians will be providing while a vehicle is lifted,” Stertil-Koni’s Feldman says.

As an example, Feldman says a shop needing to perform quick oil changes can benefit from a lift they can drive a vehicle on and off of easily. A platform lift could be a good choice.

“A platform lift is also good for checking things like chassis and brakes for DOT inspections,” Stertil-Koni’s Bowers adds.

Technicians may also want wheels-free lifting to work on tires. Feldman says an in-ground piston lift or scissor lift can be a good choice because they engage the vehicle frame. For all of these reasons and more, Feldman says many facilities have more than one style of lift. It all depends on the unique needs of a given fleet.

TIPS TO ENSURE SAFE AND PROPER LIFTING

Built-in safety locking mechanisms are an important lift feature shops should scrutinize. For instance, most of Stertil-Koni’s hydraulic lifts have a mechanical locking system.

“If something were to happen to the hydraulics, while rare, the lift will literally



lock in place and become a stand,” Feldman points out. “When you listen to our lifts go up, you can hear the locks engaging. It’s the sound of steel on steel, and all of our customers talk about that sound. To us, it’s the prettiest sound there is because it’s the sound of safety. Mechanical locks also make an enormous difference in terms of the comfort level of a technician.”

Another sound best practice is to implement safeguards to ensure that only authorized technicians can operate a lift. Stertil-Koni has built-in safeguards where users need a key fob to activate a lift.

Speaking of technicians, proper and continual training is paramount.

“Sometimes technicians get into a groove and want to move a little bit quicker,” Stertil-Koni’s Bowers says. “It’s important to fight that temptation to cut corners.”

For example, Feldman says a good best practice is to raise a vehicle about 12” and then pause to conduct a walkaround and ensure that everything is stable.

“Every technician in the shop should be trained on the proper operation of each

Arguably the most popular in a fleet setting is the mobile column lift, mainly due to portability and under-vehicle access.

lift they will use,” ALI’s O’Gorman says. “This lift-specific training should be based on the lift manufacturer-provided instructions and warning labels, as well as the ALI publications, ‘Quick Reference Guide, Vehicle Lifting Points for Frame-Engaging Lifts, Safety Tips’ and the ANSI/ALI ALOIM [current edition] Standard for Automotive Lifts, ‘Safety Requirements for Operation, Inspection, and Maintenance.’”

For general lift safety training, ALI has developed an online interactive training course entitled “Lifting It Right.” This course can be completed on a computer or mobile device in about an hour, in English or Spanish.

For an easy shop reminder of basic lift safety tips, ALI also offers an updated and expanded Automotive Lift Safety Tips Card and new Safety Tips Poster. Both feature 13 tips for safe lifting, including lift operation, maintenance, and inspection. ●

Lift considerations to maximize productivity

Shops can make the most of vehicle lifts by prioritizing lift attributes based on need.

by Steve Perlstein

Sometimes it is necessary to purchase a 1/2" socket because that specific tool is needed. Yet, most technicians have an adjustable wrench, a multitool, and vise grips. The socket is made for one specific job while the others are made to do many things. Vehicle lifts are no different. Having a lift with the flexibility of a multitool can open up revenue opportunities and increase shop productivity.

No shop wants to turn away or out-source work because they do not have the proper equipment to service the vehicle; saying 'no' to a job is sending revenue away. Proper planning when it comes to the shop's lifts, however, can keep more work in-house. Below are some items to consider when selecting a lift to keep your shop as productive as possible.

TWO-POST LIFT CONSIDERATIONS

Lift capacity. Many shops have a 10,000-lb capacity two-post lift. It is important to consider, though, that per the Automotive Lift Institute (ALI) and Lifting It Right, a two-post lift should never exceed 1/4 of the rated capacity on any one swing arm. A 10,000-lb capacity is fine if the shop only services light passenger cars, and it may be adequate for a half-ton pickup such as a Silverado 1500 or F-150. However, if the truck is a larger F-350 or F-450 work truck with a welder, service body, or toolboxes, a 10,000-lb capacity two-post lift cannot safely raise that vehicle because the rear arms would be overloaded. A 13,000-lb ambulance can overload a 15,000-lb capacity lift since



Photo from Mohawk Lifts

the rear axle weighs about 8,000 lbs. Were this the case, the lift should be at least a 16,000-lb capacity model.

Lift arms. Two-post lifts require about four to ten minutes per vehicle to properly position each of the four swing arms. Multiply that by five cars per day, five days a week, and positioning arms can add up to 80 hours each year of unproductive repair time (plus the wear on your knees). Some lift brands offer options that allow technicians to avoid positioning the swing arms when they are not necessary for the vehicle being serviced. For example, when servicing the front brakes on a car, the rear arms would not need to be set. Another option allows

This lift option allows technicians to convert a two-post frame engaging lift to a drive-on lift which leaves the wheels hanging free.

technicians to convert a two-post frame engaging lift to a drive-on lift which leaves the wheels hanging free. Of course, when all arms are needed, these options can be removed.

Truck adapters. Shops that service vehicles with running boards require truck adapters. Some lift manufacturers include adapters as standard equipment while others charge extra. What is most important is that ALI requires each option for certified lifts to be listed and certified. Research on Autolift.org shows

there are manufacturers who do not offer certified truck adapters, and using those that are not may void the certification of the lift.

Non-automotive applications. Municipal shops, or those that service landscaping equipment, are typically responsible for servicing pick-up trucks and passenger cars, in addition to turf maintenance and other smaller equipment. Some lift manufacturers offer two-post lifts with the ability to convert to a turf maintenance equipment lift/golf cart lift and back again. This option gives the shop the flexibility to service cars and trucks, as well as turf equipment.

Weight gauge. Lift safety is an important factor to keep in mind. Per ALI, technicians should always lower the vehicle onto the lift's locking system before working underneath. Lift manufacturers offer different methods of ensuring the vehicle is resting on the locking system and not relying on the lift's hydraulics to remain raised. One manufacturer offers a green light that illuminates the ceiling when the vehicle is properly seated, while others offer a weight gauge. When the weight gauge reads 0 lbs, the lift is on the locks.

Foam guards. Every technician, tall or short, has likely hit their head on the bottom of a swing arm. The swing arm head guard is an inexpensive option which can be added to the lift in minutes and provides an extra layer of protection for technicians. Similarly, door guards offer protection from damaging vehicle body panels. Opening a vehicle door and hitting the lift's carriage can cause dents and scratches, necessitating customer apologies. The addition of a Nerf-like foam door guard reduces the customer apologies or ensuing body-shop bills.

MOBILE COLUMN LIFT CONSIDERATIONS

Mobile column lifts are generally used for heavier vehicles. While some technicians may assume mobile columns strictly

engage a tire at each corner, that is not always the case. Mobile column lifts offer available options to help make shops more productive, and allow for the ability to service a wider range of vehicles.

Long fork. Most heavy vehicles have dual tires on the rear, and a good practice is to lift the vehicle using both rear tires, not just the outer tires. Several lift manufacturers offer 22" lifting forks to accommodate this need. Some mobile column lifts decrease in capacity by 1/3 when using longer lifting forks, however, while others barely decrease in capacity – so it is important to research this ahead of time.

Front-to-rear adapter. Many mobile column manufacturers offer a front-to-rear lift adapter. This adapter allows two mobile columns to do the work of four while leaving all wheels hanging free. Research shows a large discrepancy in capacity reduction when using this option, though. Per Autolift.org, some manufacturers rate this option at 26,000 lbs, while others are shown only rated at 7,500 lbs.

Forklift adapter. Another common option for mobile lifts is a forklift adapter. This adapter allows shops to service forklifts. Again, some lifts are rated at a high enough capacity to raise a 10-12 ton capacity fork-truck, while others can only service 3-ton forklifts.

DRIVE-ON LIFT CONSIDERATIONS

Four post, parallelogram, vertical rise – basically any platform lift – is also known as a drive-on lift.

Rolling jack. The most common option for any drive-on lift is an adequate capacity, wheels-free rolling jack. Without a rolling jack, a drive-on lift basically becomes just an oil change lift. Add a wheels-free jack and the lift is optimized for tire, brake, and front end alignment service. It is important to



Photo from Mohawk Lifts

Forklift adapters allow shops to service forklifts using mobile column lifts.

ensure that when purchasing a truck lift, the manufacturer offers a wheels-free jack in capacities high enough to support the rear end of a work truck, where 60 to 70 percent of the weight is typically held. For example, do not buy a 30,000-lb lift that only offers a 15,000-lb rolling jack, as it would be inadequate to safely lift the rear end.

Lift accessories. LED lighting is a common option for illuminating the undercarriage of a vehicle, and many lift manufacturers offer drive-through ramps (if the facility has a drive through bay). Some even offer air lines routed to the lift to operate pneumatic tools.

As you can see, various lifting accessories and options exist that can help make any model lift more usable, more versatile, or even a bit safer. Review these possibilities with your lift's manufacturer and keep more service and repair jobs rolling through the door. 🚧



Steve Perlstein is president of Mohawk Lifts. The company offers environmentally safe above-ground lifts ranging from 6,000- to 240,000-lb capacities, along with many lift accessories.

INSPECTED YOUR LIFTS LATELY?

Get a 360-degree view of your lifts' health.

New Check360™ Certified Lift Inspection – available exclusively from ALI Certified Lift Inspectors – is a comprehensive examination of a lift's structure, components, performance, and safety materials. In fact, it's the only lift inspection process endorsed by BendPak and backed by the Automotive Lift Institute (ALI) as meeting all the requirements for mandatory annual inspections outlined in the industry safety standard. Other lift inspections just don't match up.

Don't settle for less when it comes to getting your BendPak lift inspected. Ask your ALI Certified Lift Inspector for a Check360 Certified Lift Inspection for every lift in your shop, every year. Knowing your lifts have been thoroughly checked from top to bottom will give you peace of mind from inside and out.

Learn more about Check360 Certified Lift Inspection at autolift.org/check360-certified-lift-inspection.



BendPak Model
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Portable Column Lift



*Certified to meet the
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| 2021 Annual Lift Inspection 210002775 | | | |
| JAN | This lift has passed inspection in accordance with ANSI/ALI ALOIM:2020. | JUL | |
| FEB | | AUG | |
| MAR | | SEP | |
| APR | | OCT | |
| MAY | | NOV | |
| JUN | | DEC | |
| For training and maintenance evaluation findings see lift inspection report on file. | | | |
| | | | |
| ALI Certified Inspector #  | | | |

What's checked during a Check360 inspection?

-  **Structural Inspection** - Assessment of all the supportive structure from the baseplates to the columns, lifting carriages, and other load supporting assemblies.
-  **Component Inspection** - Inspection of supporting componentry such as fasteners, switches, chains, cables, power units and other parts that are essential for proper and safe operation of your lift.
-  **Performance Inspection** - A health check on the functionality of your vehicle lift and the functional operating mechanisms required for proper operation.
-  **Record Keeping** - A detailed inspection report and standardized record filed by company and inspector.



Advances in lift technology

In recent years, a variety of adaptations have been made to vehicle lifting equipment to keep up with changes in vehicle design and industry demand.

by **Emily Markham**, Assistant Editor

In the automotive world, change is constant. Vehicles are continuously adapting to become safer, more environmentally friendly, and to meet the needs of whatever is happening in the world around them. The same can be said of the tools and equipment automotive repair shops are using to fix the vehicles, especially when it comes to lift equipment and accessories. This essential shop equipment has adapted along with vehicles over the years to meet the needs of the technicians performing the repairs.

BACK TO THE BEGINNING

Lift equipment has been around for many years – adapting and expanding in various forms to fit the needs of the industry.

“One of the great advances was in mobile column lifts, which first entered the market in the 1980s,” says Peter Bowers, technical sales support manager for Stertil-Koni. “They were unknown technology before that time. They were all from European manufacturers. The transition of mobile columns has been from three-phase VAC cabled mobiles to battery wireless mobiles.”

Additionally, Bowers notes that mobile columns are now available with accessories to provide frame engaging lifting in the front and rear.

Looking at another type of lift system, Bowers explains that platform lifts have been around since the 1970s, but “were mostly large four-post lifts.”

“In the mid-1980s, OMER invented the hidden lifting mechanism VEGA heavy duty platform,” Bowers says. “This



Photo from Advantage Lifts.

lift was emulated by Advantage Lifts, and that was subsequently purchased by Rotary [Lift].”

In response to that, come 2008, Stertil-Koni introduced a vertical rise platform called the SKYLIFT. Most lift manufacturers now offer a vertical rise platform lift, as it not only delivers vertical lifting, but also helps maximize floor space in the shop, Bowers notes. Many

A technician well-trained in using their shop's lift equipment is a safe technician.

platform lifts now also include jacking beams, runway lifts, washing-bay options, and auto-pit covers as accessories.

Moving on to inground lifts, which gained popularity in the 1950s, Bowers explains that by the 1980s, these lifts were largely single stage pistons that operated



Stertil-Koni's ebright Smart Control System puts all the necessary information on the lifting system at the technician's fingertips.

on low pressure with high volumes of oil. Unfortunately, the lifts became an environmental hazard due to leaking. Later in the 80s, low volume, high pressure telescopic pistons in steel boxes became available and solved the leaking problem.

Recently, Bowers says, the big change for inground lifts has been continuous recess for telescopic piston lifts.

ADVANCES IN TECHNOLOGY AND DESIGN

In recent years, a variety of adaptations have been made to vehicle lifting equipment to stay up-to-date with the changes in vehicle design and industry demand. Features were also added to promote technician safety. The advances in lifting equipment technology and design range from something as simple as the addition of LED lighting to the more complex addition of the touchscreen control panel.

LED lighting

The addition of LED lighting on vehicle lifts is beneficial to technicians in many ways. The lights not only illuminate the

technicians' workspaces which allows them work handsfree, completing their repairs and maintenance that much quicker, but also creates a safer environment where the technicians can clearly see what they are working on.

Stacey Mack, owner of Advantage Lifts, explains that the lights run down either runway on the lift, and if a shop's lift didn't already have the LED lights installed, the shop can easily do it themselves in minutes.

"[The lights] come with magnetic buttons that stick to the lift and are covered/enrobed during manufacturing in a clear silicone that protects the LED from shock, water, and a dropping impact," Mack says.

Industry trends

As vehicle sizes have evolved over the years, in some cases becoming longer or heavier, vehicle lifts have also had to evolve in order to accommodate those additional inches and pounds.

Many lift equipment manufacturers, Advantage Lifts included, wound up redesigning their lifts to handle the

increased width of wide body vehicles. Mack notes that Advantage addressed this by adding a full six inches to their runways.

Another change in the realm of passenger vehicles comes from a reduction in gas prices over the past few years.

"This encouraged consumers to buy larger and heavier trucks and SUVs, and even large diesel trucks," Mack says. "Again, Advantage Lifts had to keep up, and we developed our 11,000 Series to accommodate most of even the heaviest vehicles."

Furthermore, John Uhl, director of product management for Rotary Lift, explains how the national build-out of fiber and cellular networks, as well as the upsurge of parcel delivery vehicles due to the increase in online shopping, has created a rise in the number of medium duty trucks on the road. This again, creates the necessity of higher-capacity weight-bearing and longer vehicle lifts. ➔

Photo from Stertil-Koni.

“The alignment bay has long been a strong revenue generator for dealers and shops,” Uhl says. “The best way to leverage the investment in an alignment bay is with equipment that accommodates the widest range of vehicles.”

Alignment ready

Alignment ready lifts are simply lifts that are capable of handling alignment work, Mack explains. Having a lift with this capability can save shops space and money, as the shop won’t have to buy different lifts to perform different tasks.

Mack also notes that these lifts can have a variety of features – such as slip plates, turntables, airlines, and rolling jacks – that help technicians perform their work quickly, safely, and effectively.

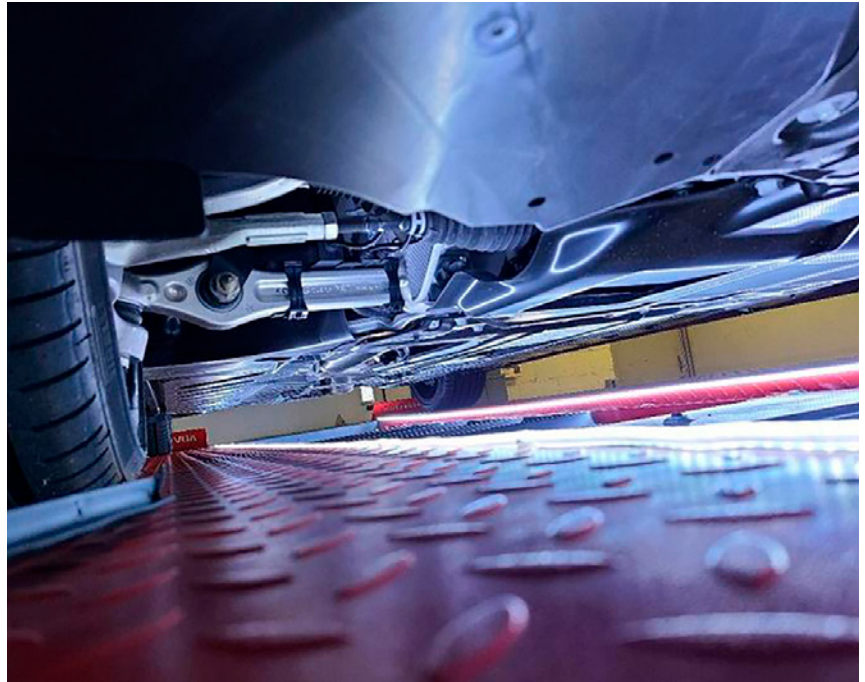
Touchscreen control panel

Lift manufacturer Stertil-Koni has begun adding touchscreen control panels to their vehicle lifts.

“The ebright Smart Control System puts all the necessary information on the lifting system directly at the fingertips of the service technician in the form of a computer-style tablet with a 7”, full-color touchscreen,” Stertil-Koni’s Bowers says. “This ensures the service technician can safely and efficiently get the repairs completed in the shortest time possible.”

WELL-TRAINED MEANS SAFE

“Training is synonymous with safety,”



This image shows how brightly lit the underside of a vehicle is when using a lift with LED lights.


Bowers says. “Any operator of a lifting system should be trained in the specific use of that system and proper location of the vehicle on the lifting system. Regular training and retraining ensure for the safest lifting environment.”

When a shop is buying a new lift, Rotary Lift’s Uhl recommends getting a demo and hands-on training from the lift distributor. This way, technicians can see how to position and operate the lift, as well as be reminded of weight limits.

If a shop is looking for more in-depth training, Uhl suggests looking online at vendors such as Rotary Lift or for training

through the Automotive Lift Institute.

Advantage Lifts also offers training for senior ALI certified inspectors through Automotive Lift Services, Mack says. If they cover your area, the certified inspectors will come to your location to conduct a training session on lift safety.

Mack also warns against complacency. No matter how long someone has been a technician, training and retraining, and staying up-to-date on the new technology and advancements in lift equipment, are essential to keeping those skills sharp. 

 **RELATED PRODUCTS**



Nussbaum
Jumbo HF 7 Double Scissor Lift
 Circle 137 on card, or enter at “e-inquiry”
 on VehicleServicePros.com



OTC
10-Ton Air Lift, No.1590
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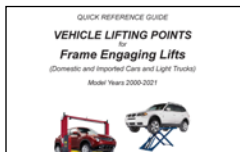
VIDEO

THE MIGHTY MINUTE - EP. #42: LIFT SAFETY

This installment of Motor Age's The Mighty Minute is all about keeping your lifts professionally inspected as well as keeping an eye on their long-term use and care.

To watch this video, visit:
VehicleServicePros.com/21211648

NEWS



MODEL YEAR 2000-2021 OEM-RECOMMENDED LIFTING POINTS AVAILABLE IN NEW GUIDE FROM ALI

The 2021 edition of Vehicle Lifting Points for Frame Engaging Lifts from the Automotive Lift Institute. **To read more, visit:**
VehicleServicePros.com/21207501

TECH TIP



TROUBLESHOOTING A TWO-POST LIFT – PART 1

Your lift is critical to the operation and profitability of your business. If it stops working correctly, it's costing you money.

To read more, visit:
VehicleServicePros.com/21162849

ASK THE EXPERT



WHEN SHOULD LIFT CABLES BE REPLACED?

All lifting cables should be replaced every three to five years or when damage is visible, but how much damage warrants replacement?

To read more, visit:
VehicleServicePros.com/21154360

TOOL REVIEW



GRAY MANUFACTURING WIRELESS PORTABLE LIFTS

The reviewer is impressed by how quick and easy it is for the lifts to be set up, moved where they are needed and stored away. **To read more, visit:**
VehicleServicePros.com/20848503

TECH TIP



IS YOUR SHOP STORM-PROOF?

When the flood waters rise, vehicle lifts can be used to protect your investments.

To read more, visit:
VehicleServicePros.com/21095556

VIDEO



FORWARD LIFT DP SERIES HEAVY DUTY TWO POST LIFTS

Forward Lift provides an overview of the DP Series heavy duty two post lifts, designed for trucks, vans, and small buses.

To watch the video, visit:
VehicleServicePros.com/21124567

ARTICLE



CONSIDERATIONS BEFORE BUYING A MOBILE LIFT

Mobile lifts are productive pieces of shop equipment designed to make a shop more efficient.

To read more, visit:
FleetMaintenance.com/21144514

ARTICLE



IMPORTANCE OF SAFE VEHICLE LIFT OPERATION

Reliable after-sales service aids in keeping your capital equipment operating more efficiently.

To read more, visit:
FleetMaintenance.com/20992850

LIFTS UP TO 1,000 LBS

The **OEMTOOLS Air Hydraulic Motorcycle Lift**, No. 24859, features a heavy duty, padded wheel vise, removable loading ramp, and tie-down rings for easy loading and securing of motorcycles. It is able to lift motorcycles up to 1,000 lbs to nearly 30" with the convenient pump pedal. It can also be connected to shop air for faster lifting. Built-in casters with adjustable stabilizers allow the user to move it to any location in the shop more easily.

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PROVIDES MORE UNDER-LIFT CLEARANCE

The **BendPak Extra-Tall Two-Post Lifts**, Nos. XPR-10XLS and XPR-10AXLS, are designed with an extended working height that's ideal for taller technicians. These two-post lifts feature a large cylinder stroke that raises vehicles 75" to 80". Each lift has a 10,000 lb lifting capacity and features an oversized 59" tall carriage. The XPR-10AXLS is an asymmetrical lift with triple-telescoping front arms and two-stage rear arms. The symmetrical XPR-10XLS is designed to provide clear space for opening doors on cars, but can also be used to service trucks and SUVs with an optional extension kit or available Low-Pro arms.

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FEATURES A 14,000-LB LIFTING CAPACITY

The **AMGO PRO-14 Four Post Lift** offers a 14,000-lb lifting capacity and is built to commercial-grade standards. The PRO-14 also features 1/2" aircraft quality cable, a skid-proof diamond platform to prevent slippage, and high-quality cylinders to ensure no leakage. The lift can also fit the company's RJ-8A Rolling Jack in case technicians need to lift the car to do wheel work.

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DESIGNED TO LIFT ELECTRIC VEHICLES

The **OMER Elektrum Lift** is an electric two-post lift designed to lift electric vehicles. Traditional two-post swing-arms interfere with the battery location on electric vehicles, giving operators limited options for safe lifting, the company says. The Elektrum utilizes twin-hydraulic cylinders and a patented swing-arm assembly which remains parallel to the rocker panels, allowing operators uninhibited access. It has a 10,000-lb weight capacity and is able to service any vehicle, electric or traditional.

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DESIGNED TO HANDLE HEAVY ENGINE, DRIVE AXLE ASSEMBLIES, TRANSMISSIONS, AND MORE

The **ATD Tools 2,500 lb Powertrain Lifting Table**, No. ATD-7478, is engineered to handle heavy engine, drive axle assemblies, transmissions, electric vehicle batteries, and other vehicle components. Its scissor lift design allows access to all four sides of a component and its independent adjusting screws tilt the table 11 degrees side-to-side, front-to-back. The lift table includes two sets of heavy duty ratcheting tie down straps as well as two 8" diameter locking swivel casters for easy movement and secure positioning. The table measures 19.7" by 32" and has an air/hydraulic foot pump with 10' hydraulic hose extension.

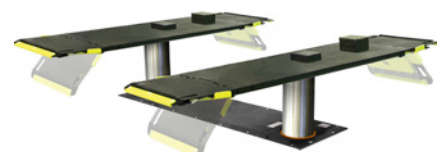
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REDESIGNED TO MAXIMIZE QUICK VEHICLE SPOTTING IN EXPRESS BAYS

The **Challenger Lifts EV1020 Inground Lift Series** has been redesigned to maximize quick vehicle spotting in express bays. The EV1020 Inground Lift Series will now be available with a 9,000 lb low-profile drive-over pad with flip-up ramps. The EV1020-XP9 models are available with Quick Cycle technology to reduce rise and descent time, as well as Bench Mounted Controls. The new configuration replaces the previous MP9 models to provide the simplest, quickest vehicle loading to reduce frustration in shops.

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LIFTS COMMERCIAL VEHICLES BY THE WHEELS

The **iDeal MSC-18K-X Mobile Column Lifts from Tuxedo Distributors** are ALI certified and available in sets of two, four, and six columns providing up to 108,000 lbs of lifting capacity. MSC-18K-X lifts are 24VDC battery operated with an on-board charging system, retractable cable reels, and come standard with LED magnetic lighting. MSC-18K-X lifts are designed to lift large commercial vehicles by the wheels with optional ALI certified accessories providing flexibility to lift smaller trucks by frame for wheels-free service.

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FEATURES A 19,000-LB CAPACITY PER COLUMN

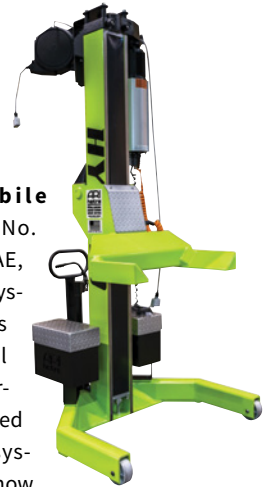
The **MAHLE Service Solutions Wireless Mobile Column Lift CML-9** features a touchscreen graphic control system and a patented self-centering adjustable carriage, providing the user with a reliable and safe lifting environment. The CML-9 lift is ALI certified, 24V, and has a wide, adjustable carriage for over-sized tire engagement. It has a lift height of 69", maximum hydraulic operating pressure of 2,600 psi, and 19,000-lb capacity per column.



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USE 110V POWER TO RUN THE LIFT

The **ARI-Hetra Hybrid Mobile Column Lift, No. HBP-HDML-10-AE**, features a 24V system that utilizes dual industrial strength batteries and a patented hybrid power system. Users can now use 110V power to run the lift, the company says. This system is designed to provide energy savings and the stewardship of resources and sensitivity to environmental impact.



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MOHAWK LIFTS

BUY ONCE. BUY RIGHT. BUY A MOHAWK!



TWO POST LIFTS

7,000 through 30,000 lb. capacities with 25 year structural warranty. **Inquiry #10**

25
YEAR
WARRANTY



FOUR POST RUNWAY LIFTS

19,000 through 120,000 lb. capacity models give complete under vehicle access. **Inquiry #13**



MOBILE COLUMN LIFTS

MP-Series electric-hydraulic mobile lifts available in 2, 4, 6, or 8 post configurations. Industry leading 26,000 lb. front to rear bumper adaptors. **Inquiry #12**



www.mohawklifts.com/PTEN



1-800-833-2006

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FULLY EXTENDS TO 27" IN HEIGHT

The **LiftWise LiftMaster 4000 Lift Table** is designed for maximum convenience and versatility by allowing users to lift and lower a wide variety of parts into the ideal position for maintenance, service, and other needs. The lift table features a low profile and compact design with a fully lowered height of 8.5". The LiftMaster 4000 has a maximum capacity of 4,000 lbs when raised. Fully extended, the lifting table rises to 27". Actuated by a hand pump handle, the double-acting pump allows the operator to reach the maximum height and a simple pull of the ergonomic trigger lever lowers the table.

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RATED FOR 500 LBS

The **Kent Automotive Lift King Heavy Duty**, No. 1620192, mechanically lifts and moves semi-truck hoods, car or truck doors, and pickup beds safely and efficiently with one operator. The multi-use lift is rated for



500 lbs and comes with a 1,600-lb brake winch. It has passed testing at 1,000 lbs, the company says.

The bundle contains one lift and one semi hood attachment. The semi hood attachment allows additional tilting mobility for body repair and painting.

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AUTOMATICALLY SYNCHRONIZES WITHOUT CABLES OR PULLEYS

The **Nussbaum OTTO 8 Two-Post Lift** is a hydraulic lift with patented HyperFlow technology allowing the lift to automatically synchronize without cables or pulleys. It has a capacity of 8,000 lbs with a column height of 158.5" and a lifting height of 80.75". A double hydraulic circuit with four cylinders replaces mechanical locks. The lift doesn't require floor connection or a top connection of the columns and features a slim design with the cylinders protected behind covers. In addition, its far reach arms are capable of picking up long vans at its lowest lifting point.

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OFFERS CUSTOMIZED PICK-UP POINTS

The **G-Series Mobile Column Lifts** from Steril-Koni are engineered to solve the challenge of heavy lifting applications that demand special lifting adapter configurations with uniquely customized pick-up points, the company says. The G-Series, like other Steril-Koni mobile column lifts, are designed to deliver high performance, durability, safety, rapid lifting and lowering, full-color touchscreen controls, mechanical locking systems, maximum strength, and availability in wireless, cabled, and EARTHLIFT models. The capacity of a custom-engineered lift will vary depending on the adapter style, size, and positioning.

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ENGINEERED FOR BOTH CARS AND LARGE WORK TRUCKS

The **Rotary Lift ARO22 High-Capacity Alignment Lift** features an open-front design and is engineered for both cars and commercial vehicles up to 22,000 lbs. The alignment-ready lift has a 26" wide platform runway with 40" spacing in between. It is also equipped with air-operated rolling jacks, including a 9,000-lb capacity front jack and a low-profile 15,000-lb capacity rear jack. The lift's air-locking rear steer plates are operated from a power column that eliminates the manual process of setting pins, while LED lights integrated in the runway platforms illuminate the undercar. The system's patented articulating roller system and oversized front columns are designed to help evenly distribute the load balance.

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DESIGNED TO FIT INTO A SMALL SPACE

The **Hofmann 12K 4-Post Alignment Lift System** is versatile, yet compact in size and can be used with any vehicle from compact cars to heavy duty pickups. The lift system is designed to fit into a small space while providing up to 12,000 lbs of heavy duty lifting capacity. Offering users four-wheel alignment capabilities that cover a full range of vehicle requirements, its 20.5" wide Pro-Style runways help save time when loading vehicles onto the lift, and the closed front end design maintains a steady, shake-free lift for advanced alignment equipment measurements.

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35,000-LB CAPACITY

The **Hunter Heavy Duty Four-Post Lift**, No. L494HD, features a 35,000-lb capacity. The L494HD has galvanized runways capable of servicing vehicles up to 320" wheelbase. It comes alignment ready with turnplate pockets and slip plates for servicing standard vehicles. The four-post lift can also be equipped with optional Powerslide and FIA turnplates and slip plates, saving time by eliminating trips around the truck when locking and unlocking plates. The aligner can be connected to control all lock and unlock functions automatically. Additionally, optional 20,000 lb jacks can be added for wheel-free service, and optional LED AlignLights make service easier and safer by illuminating the underside of the vehicle.

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FEATURES A 20,000-LB CAPACITY

The **ML-220 Two-Post Heavy Duty Vehicle Lift** from **Mohawk Lifts** is designed for lifting points of medium duty work trucks or retracting to service short wheelbase vehicles. The lift has a 20,000-lb capacity and comes standard with three-stage swing arms that can reach the furthest lifting points. With a direct-drive, all-hydraulic lifting system and no overhead cable covers, the ML-220 ensures technicians can fully lift high-profile vehicles. The ML-220 comes with Mohawk Lift's 25-year warranty and is 100 percent U.S.A. made. The ML-220 includes full sets of truck adapters for servicing all vehicles.

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Whether your lifting needs are 10,000 lbs or 100,000 lbs, we have the solution.



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PROVIDES SAFE AND PROPER HANDLING OF DIFFERENTIAL AXLE ASSEMBLIES

The **OTC Powertrain Lift Differential Adapter Set**, No. 5295-DA, is designed to facilitate the removal and installation of common differentials currently in use. Compatible with OTC’s Powertrain Lift Table, No. 5295, the adapter mounts easily to provide safe and proper handling of differential axle assemblies during servicing. The adapter set consists of two axle tube stands that support each side of the axle housing, while a pinion adapter stabilizes the differential from rotating to provide safer component access and service for technicians. The adapters are height-adjustable and feature hook points to attach the hold-down strap (included) to keep the axle assembly firmly positioned throughout service. It has a rated capacity of 800 lbs.

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LIFTS UP TO 500 TIRES ON A SINGLE BATTERY CHARGE

The **Ascot Supply Battery Operated Wheel Lift** features an ergonomic oversized handle and four swivel casters to allow users to move the lift to the vehicle or tire balancer easily. The lift provides full access to the lug nuts due to the offset column and the wheel rollers will assist the technician with the ideal wheel to hub alignment. It can lift up to 500 tires on a single battery charge and includes a wheel safety strap to prevent the wheel from falling off.

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EASY TO MOVE FROM BAY TO BAY

The **MAHA USA FBH 6500 Mobile 2-Post Lift** is a battery operated, completely mobile automotive lift. This lift is designed to be easy to move from bay to bay, indoors or outdoors. The FBH 6500 raises vehicles weighing up to 6,500 lbs to a lifting height of 6.4'. The FBH 6500 is battery operated and requires minimal maintenance and no periodic adjustments, the company says. Special adapters are available to allow lifting of unique vehicle configurations.

Circle 159 on card, or enter at “e-inquiry” on VehicleServicePros.com



COMES EQUIPPED WITH TWO 12V BATTERIES

The **Quality Stainless Products LiftMate Battery Operated Tire and Wheel Lift**, No. LM-200-R2, is a battery-operated safety device with a 200-lb lift capacity. Technicians can work at a comfortable height without the need to kneel or bend over. The lift features two 12V batteries and a charger/conditioner so that users can't over charge it. The lift is designed with an off-set column for easier access to lug nuts and wheel service equipment.

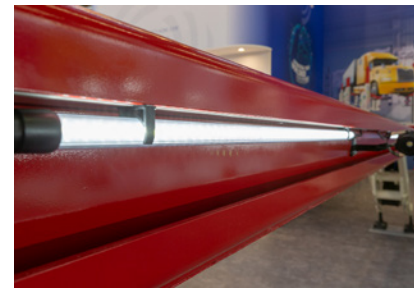
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IDEAL FOR BOTH CARS AND HEAVY DUTY TRUCKS

The **Advantage AL-12 Two-Post Lift** features a 12,000 lb. lifting capacity and has been upgraded and improved in 2020. The AL-12 lift now has a wider drive through width of 119". It also has dual shut offs for extra safety and long reach two-stage front and rear arms to accommodate lifting cars, vans, and trucks. The lift comes with 4" stack adapters, an ETL certified power unit, and a single point lock release. The lift has an overall height of 143" and width of 157".

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FOR SKYLIFT FOUR-POST LIFTS

The **Steril-Koni High Performance LED Lighting System** for the Skylift four-post lifting system is designed to increase area-specific under vehicle lighting to improve shop safety and efficiency. This lighting system features: pre-assembled 40" light tubes with transformer and mounting brackets; a modular “plug and play system”; a slim-line design; IP65 water resistance; and eco-friendly, energy-efficient bulbs.

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HAS A DRIVE-THROUGH CLEARANCE OF 101”

The **Eagle Equipment 9,000 lb Floor Plate Two-Post Lift** features an overall height of 111-1/2” and overall width of 134”. It offers dual point lock release on both columns, chain rollers, truck adapters, and door guards. The lift’s arm lock prevents them from moving from the set position for safety. The arm locks also engage automatically when the carriage is raised. The drive-through clearance is 101”.

Circle 164 on card, or enter at “e-inquiry” on VehicleServicePros.com

50 PERCENT LOWER DESCENT TIME

The **Hunter RX12 Scissor Lift** series is designed to maximize productivity while utilizing limited space. The lift features extra-wide 24” runways, along with optimal drive-on height, standard safety locks, a sensor feedback system, velocity safety fuses, and an integrated airline kit, as well as the company’s patented control panel and exclusive louvered ramps. The lift also features a hydraulic system to lower descent times by 50 percent, while standard swing air jacks provide high-capacity lifting up to 6,000 lbs.

Circle 165 on card, or enter at “e-inquiry” on VehicleServicePros.com



FEATURES A LOAD CAPACITY OF 187 LBS

The **Martins Industries Power Lifter** is designed to change the tires on a passenger vehicle, SUV, or light truck without injuring the technician’s back, neck, or shoulders. It has a load capacity of 187 lbs and features a safety strap to hold wheels in place, three automatic lift speeds, and a hardware tray and impact wrench holder to keep tools in place. The ergonomic handle and pivoting casters make it easy to handle and move around. The Power Lifter comes with two 12V rechargeable batteries and a charger.



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COMPANY DIRECTORY

Advantage Lifts
advantagelifts.com

AMGO
amgolift.com

ARI-Hetra
ari-hetra.com

Ascot Supply
ascotsupply.com

ATD Tools
atdtools.com

BendPak
bendpak.com

Challenger Lifts
challengelifts.com

Eagle Equipment
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OMER
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OTC
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Quality Stainless Products
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Rotary Lift
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