

# EV SERIES INGROUND LIFTS

## PREMIUM HYDRAULIC CASSETTE-STYLE INGROUND LIFTS

Challenger's electric hydraulic cassette-style inground lifts meet the rigorous demands of professional service facilities. Inground lifts are available from 8,000 lb. to Challenger's industry-only 15,000 lb. capacity.



Louisville, Kentucky

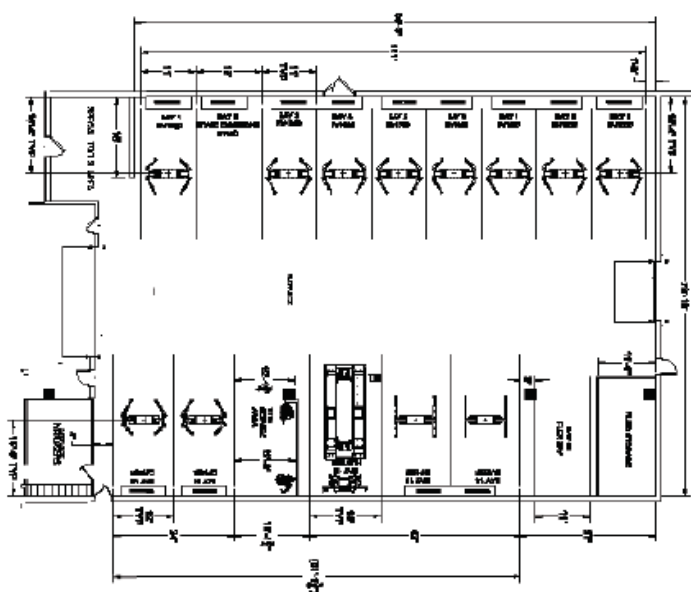
## CHALLENGER ADVANTAGE



### COMPLIMENTARY CAD SERVICES

Whether you're building a new facility or expanding, complete your plans with us. Challenger Lifts offers free CAD Layout Services to help you maximize your automotive lift installation (six lift minimum). Challenger Lifts' CAD services help decision makers visualize their shop layout in order to increase production and efficiency.

For more information, please contact Facility Layout Planning at 1-800-648-5438.



### WHY CHOOSE AN INGROUND?

Challenger inground lifts make a strong first impression. The sleek, robust design inspires confidence and invokes the feeling of a showroom. Enjoy unobstructed access all around a lifted vehicle to increase productivity and minimize technician fatigue. The clear workspace is ideal for accurate diagnostic work, and a lack of overhead obstruction eliminates vehicle height restrictions. Open and close vehicle doors freely, without difficult maneuvering or worry of door damage.

With fewer obstructions to maneuver around, inground lifts offer higher service efficiency and reduced stress on technicians. They also eliminate concern over door damage and service restrictions based on a vehicle's height. While lifted, inground lifts provide clear access to vehicle's mechanical components. While lowered, they offer a clear presentation of your facility.





## INGROUND V. ABOVE-GROUND

Secure a higher return on investment. Inground lifts take up less valuable shop space than their above-ground counterparts. If your facility will



## INSTALLATION OPTIONS\*

Three applications are available to arrange inground lift installation around your construction schedule. Select the installation option to support your future growth and eliminate costly and unsightly floor excavation.

### COMPLETE LIFT

Purchase your lift and have it shipped complete with upper and lower components.

### 2-PART INSTALL

Purchase your lift in two deliveries: the inground structure followed by the above-ground portion when construction is ready for your exposed components.

#### LOWER STRUCTURE

**Includes:** Tub and frame with inground lifting components

#### UPPER COMPONENT

**Includes:** Superstructures lifting arms, pads, or runways, power unit, and hardware box

### 3-PART INSTALL

Plan for future growth by purchasing your lift in three deliveries: a universal prekit that is capped and can be completed at any time, an inground completion kit and finally the superstructure for your above-ground components.

#### PREKIT (Part No. CSPK)

**Includes:** Tub and frame with one-piece cover plate (Fits 10,000 lb., 12,000 lb. or 15,000 lb. capacities when you're ready to expand)

#### COMPLETION KIT

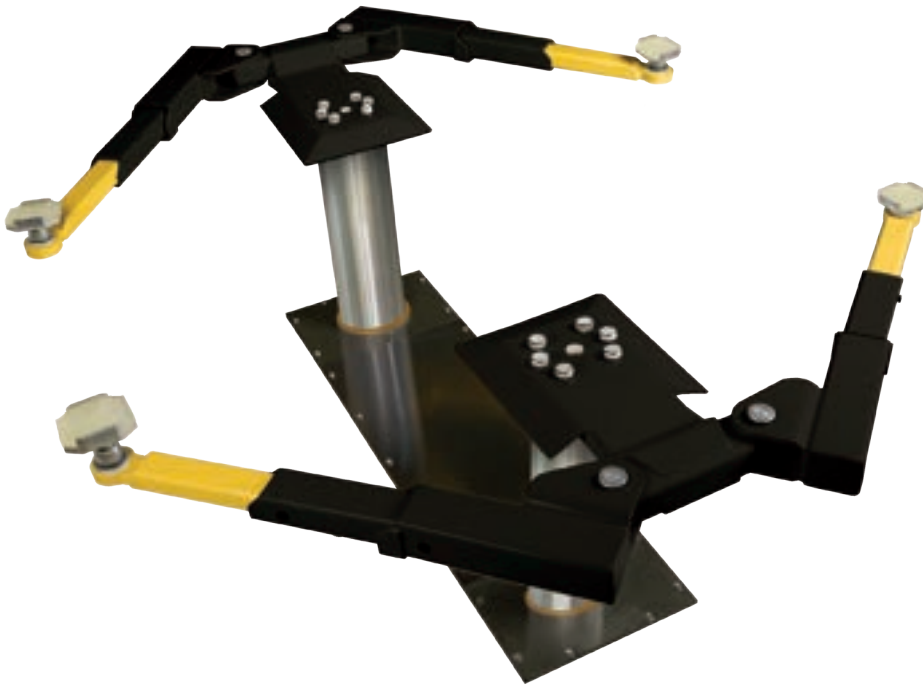
**Includes:** Inground lift components, power unit, and hardware box

#### SUPERSTRUCTURE

**Includes:** Lifting arms or pads

\*Installation options must be noted at time of order

## AVAILABLE MODELS



### 10,000 LB. & 12,000 LB.

EV1020/EV1220

- » Choose between 3-stage front and 3-stage rear arms or a drive-on express service pad (EV1020 only)
- » 8.5" diameter chrome pistons provide greater stability under load
- » Chrome non-breathing ram style cylinder provides for longer lift life
- » Mechanical lock engages every 3" allowing ergonomic working height for technicians to increase productivity and minimize fatigue
- » Stainless steel air lock release cylinder promotes longer working life with its corrosion resistant design
- » Fully-contained and sealed recycled polymer cassette tub eliminates risk of hydraulic fluid seeping into the ground
- » 87" drive-thru accommodates wider vehicles, minimizes tire damage and provides for easy drive-on

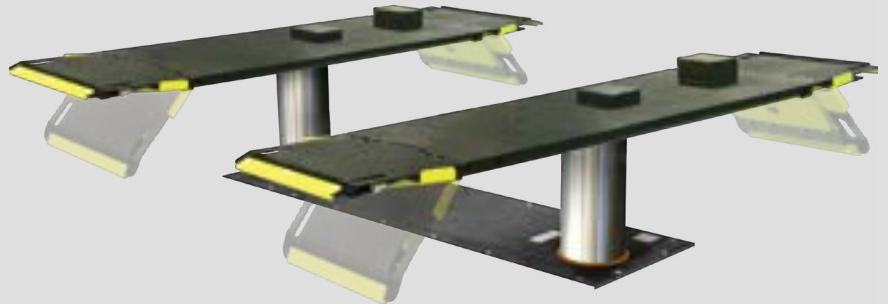
### NEW IN 2019

#### DRIVE-ON EXPRESS PAD

EV1020-XP9

Challenger's 9,000 lb. drive-on style pad aids for quick vehicle spotting in express bays and has been added to our signature EV1020 inground lift series. The new configuration provides the quickest vehicle loading to reduce frustration in shops.

ONLY AVAILABLE WITH EV1020 MODELS.





## AVAILABLE MODELS

### CHALLENGER EXCLUSIVE

#### 15,000 LB.

EV1520

- » Heavy-duty 2-stage drive-over front and rear arms make for easy spotting
- » 8.5" diameter chrome pistons provide greater stability under load
- » Mechanical lock engages every 3" allowing ergonomic working height for technicians to increase productivity and minimize fatigue
- » Stainless steel air lock release cylinder promotes longer working life with its corrosion resistant design
- » Fully-contained and sealed recycled polymer cassette tub eliminates risk of hydraulic fluid seeping into the ground
- » Heavy-duty polyurethane screw pads accommodate a wide range of recommended lifting points



#### 8,000 LB. WIDE

EW0820

- » Chrome non-breathing ram style cylinder provides for longer lift life
- » Enhanced wiper at top and bottom of bearing provides better grease retention and minimizes contaminants from entering into bearings
- » Mechanical lock engages every 4" allowing ergonomic working height for technicians to increase productivity and minimize fatigue
- » Fully contained and sealed galvanized steel cassette tub eliminates risk of hydraulic fluid seeping into the ground
- » Widely spaced structure allows for a large, unobstructed workspace, especially useful for battery access on new electric vehicles



Challenger's EW0820 inground lift is designed to service electric and wide vehicles. For this reason, it comes equipped with Euro-friendly round rubber footpads.

PART NO. 103069



# FEATURES & ACCESSORIES

## POWER CONTROL CONFIGURATIONS

Standard power control unit mounts to walls near workbenches. Inground lifts feature a single-push button lift function and down-release valve handle. Optional bench mounted power controls include raise, lower and lock release functions. Controls mount to workbenches, providing convenient access to inground lift controls.



**Bench Mount Controls**

## QUICK CYCLE TECHNOLOGY



The Quick Cycle hydraulic enhancement for Challenger inground lifts saves both rise and descent time, allowing you to service more vehicles in the same amount of time. Increase your return on investment by upgrading your 10,000 lb. or 12,000 lb. inground lifts.



**Bench Mount Lever Controls**

## STAY DRY TECHNOLOGY

StayDry automatically removes any accumulated condensation from the bottom of the lift containment system each time the lift operator lowers the lift. StayDry is pneumatically powered from the air supply that also powers the lift's lock release.

**Part No. SD100** (EV1020/EV1220/EV1520), **SD100EW** (EW0820)



**StayDry Technology**

## POWER UNIT STAND

Power unit stands offer the flexibility to accommodate shops that lack the necessary wall space to mount a power unit. They also allow a technician to be closer to the vehicle when operating the inground lift controls.

**Part No. 15060** (for EV1020 and EV1220 models only)



**Power Unit Stand**

## CL FOOTPADS

- » Challenger's telescoping footpads provide simple access to vehicle lift points
- » Footpads can be screwed up or down to ensure level lifting
- » More precise and secure frame engagement ensures technician safety
- » Steel footpad is designed to endure the wear and tear of a highly productive shop
- » Frame engaging lips reduce the need for additional adapters



### CURRENT PADS

Premium double-telescoping polyurethane screw pads come standard with all 9,000 lb. and 10,000 lb. capacity inground lifts.

**Part No. B2270**



Heavy-duty single-telescoping polyurethane screw pads come standard with all 12,000 lb., and 15,000 lb. inground lifts.

**Part No. B12162S-12**  
(Model EV1220)

**Part No. B12162S**  
(Model EV1520)



## NEW

Designed specially to accommodate the 2019 Chevy Silverado and GMC Sierra trucks. The trucks' new frame is wider in the front at the factory-recommended lift points.

Challenger Lifts has designed new footpads with extra-wide heavy-duty polyurethane for ample surface area to protect the new truck's frame. Footpads are sold in a pair.

**Part No. B2280PR**  
(Models EV1020/EV1220)

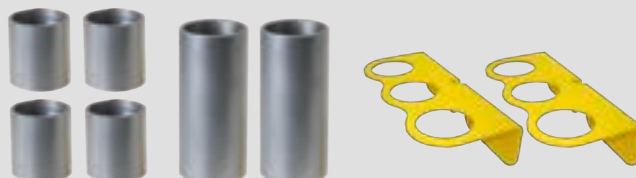
## STACK ADAPTER KITS



Stack adapter kit includes four 3" (76 mm) adapters, two 6" (152 mm) adapters, and two organizer racks with hardware

**Part No. 10315**

**COMES STANDARD WITH MODELS:**  
EV1220



Stack adapter kit comes with four heavy-duty 4" (102 mm) stack adapters, two heavy-duty 8" (203 mm) stack adapters and two organizer racks

**COMES STANDARD WITH MODEL:**  
EV1520

### PURCHASE BY PIECE



Stack organizer rack  
**10316**



3" (76 mm) stack adapter  
(sold individually)  
**B2206-3**



Pair of 6" (152 mm)  
stack adapters  
**10313**

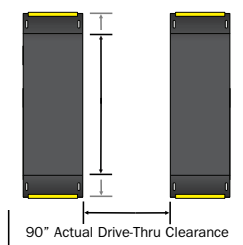


Heavy-duty medium 4"  
(102 mm) stack adapter  
(sold individually)  
**B12069**

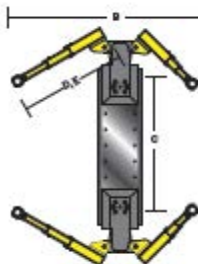


Heavy-duty tall 8"  
(203 mm) stack adapters  
(sold individually)  
**B12068**

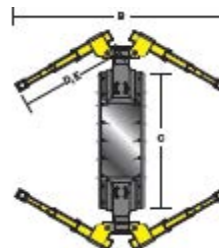
## EV1020-XP9



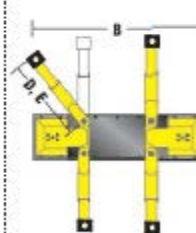
## EV1020



## EV1220



## EV1520



**NEW**

		9,000 lb. Express Service Pad	9,000 lb. Express Service Pad - QC	10,000 lb.	10,000 lb. Quick Cycle	12,000 lb.	12,000 lb. Quick Cycle	15,000 lb.	8,000 lb. Wide Model
Model Number		EV1020XP9	EV1020XP9-QC	EV1020	EV1020-QC	EV1220	EV1220-QC*	EV1520	EW0820
Lifting Capacity		9,000 lb. (4,082 kg)		10,000 lb. (5,443 kg)		12,000 lb. (5,443 kg)		15,000 lbs. (6,804 kg)	8,000 lbs. (3,629 kg)
Arms		Drive-on Express Pad		3-stage front/rear				2-stage front/rear	3-stage front/rear
Stroke				68" (1727 mm)					73.25" (186 cm)
A	Rise Height <sup>1</sup>	70" (178 cm)		74" (188 cm)		80.75" (205 cm)		84.25" (214 cm)	73.25" (186 cm)
B	Width Overall	31.5" / 79.75" (80 cm / 203 cm)		97" (246 cm)		115" (292 cm)		71.5" (182 cm)	115.75" (294 cm)
C	Drive-Thru Clearance	-	-	81" (206 cm)		87" (221 cm)		Drive-over	102" (259 cm)
D	Reach (Minimum)	-	-	19.625" (498 mm)				26.25" (667 mm)	25.25" (641 mm)
E	Reach (Maximum)	-	-	42.125" (1070 mm)		48" (1219 mm)		43" (1092 mm)	45.25" (1149 mm)
F	Rubber Pad Adapter	2.25" (57mm)		-	-	-	-	-	-
G	Adj. Adapter Height <sup>2</sup>	-	-	6.875" - 9" (175 mm - 229 mm)		8" - 9.75" (203 mm - 248 mm)		10.5" - 12.75" (267 - 324 mm)	3.75" - 5.75" (95 - 146 mm)
H	Adj. Adapter Height <sup>2</sup>	-	-	9.875" - 12" (251 mm - 305 mm)		11" - 12.75" (279 mm - 324 mm)		14.5" - 16.75" (368 - 425 mm)	-
Capacity (Per Arm)		4,500 lbs. (2,041 kg)		2,500 lbs. (1,134 kg)		3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,750 lbs. (1,701 kg)	2,000 lbs. (907 kgs)
Plunger Diameter				8.5" (216 mm)					5" (127 mm)
Std. Motor		2HP	3HP	2HP	3HP	2HP	3HP	2HP	3HP
Std. Voltage		208v - 230v							
Speed of Rise		38 s	27 s	38 s	27 s	60 s	38s	77 s	38 s
Air Required		90 - 120 psi (6.2 - 8.3 bar)							75-125 psi (5.2 - 8.6 bar)
Rec. Bay Height		12' (366 cm) minimum							
ALI/ETL Certified		√	√	√	√	√	√	√	√
Super Structure Colors		Red, Blue, Back							Black

<sup>1</sup> Rise height is measured with superstructure in highest position. <sup>2</sup> Medium and high stack adapter extensions are standard with EV1220 and EV1520, optional with EV1020.

\*Quick Cycle EV1220 is only available with Bench Mount Controls (EV1220-BMC-QC)

For more information, contact your Authorized Challenger Lifts Distributor:

800-648-5438 | 502-625-0700 | Fax: 502-625-0711 | Email: sales@challengerlifts.com  
2311 South Park Road | Louisville, KY 40219



AIAA  
Automotive Aftermarket  
Industry Association

