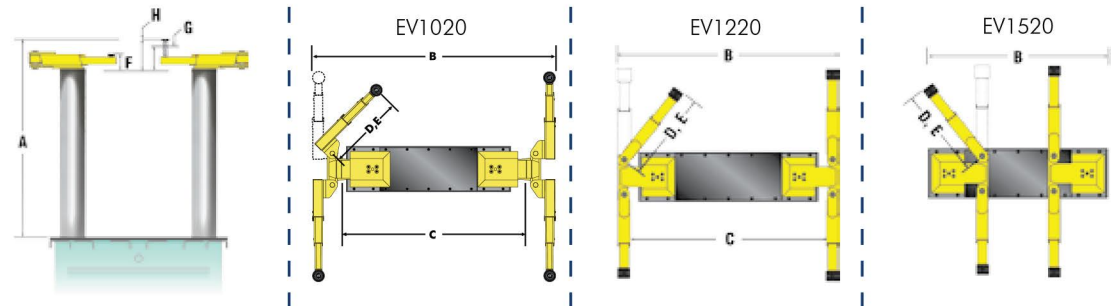


Model Number	EV1020	EV1220	EV1520
Lifting Capacity	10,000 lb. (4536kg)	12,000 lb. (5442kg)	15,000 lb. (6806kg)
Stroke	68" (1727mm)		
A Rise Height <sup>1</sup>	75½" (1908mm)	81¼" (2064mm)	84¾" (2153mm)
B Width Overall	110" (2794mm)	99" (2515mm)	71½" (1816mm)
C Drive-Thru Clearance	87" (2210mm)		NA
D Reach (Arm Minimum)	19½" (498mm)	32" (813mm)	26¼" (667mm)
E Reach (Arm Maximum)	42" (1067mm)	49¼" (1251mm)	43" (1092mm)
F Rubber Pad Adapter	3¾" - 7½" (98mm - 181mm)	5" - 7¼" (127mm - 184mm)	6½" - 8¼" (165mm - 210mm)
G Adj. Adapter Height <sup>2</sup> (with Medium Extensions)	6¾" - 10½" (178mm - 257mm)	8" - 10¼" (203mm - 260mm)	10½" - 12¾" (267mm - 324mm)
H Adj. Adapter Height <sup>2</sup> (with High Extensions)	9¾" - 13½" (251mm - 333mm)	11" - 13¼" (289mm - 337mm)	14½" - 16¾" (368mm - 425mm)
Capacity (Per Arm)	2,500 lb. (1134kg)	3,000 lb. (1361kg)	3,750 lb. (1701kg)
Guide Plunger Diameter	8½" (216mm)		
Motor	2HP		
Voltage (Single Phase Std.) <sup>3</sup>	208v - 230v		
Speed of Rise	40 Seconds	60 Seconds	
Air Required	75 - 125 psi		
Recommended Ceiling Height (plus height of tallest vehicle)	79" (2007mm)	82" (2083mm)	85" (2159mm)

<sup>1</sup> Rise height is measured with superstructure in highest position. <sup>2</sup> Medium and high stack adapter extensions are standard. <sup>3</sup> Optional 3 phase power unit also available, please specify at time of order. † Frame engaging adapters (10314 or 10318) are REQUIRED when lifting vehicles with frame construction.



EV1020

EV1220

EV1520



**EV1220 & EV1520 standard features:**



† 4 frame engaging adapters



4 reducer bushings for use with frame engaging adapters (Lift Models EV1520 only)



The Automotive Lift Institute (ALI) certifies that the EV1020, EV1220 & EV1520 described herein comply with the applicable provisions of the American National Standards ANSI/ALI ALCTV 2006 and are Third Party Validated by the ETL Testing Laboratory.



Contact your Rotunda area Sales Manager or your Field Service

1-800-ROTUNDA www.OneRotunda.com

Challenger Lifts, Inc. reserves the right to make changes to specifications without notice and without making changes retroactive. Unloading, installation and oil not included.

# CL Challenger Lifts



**Model#: EV1020**  
EnviroLift® inground cassette lift  
10,000 lb. lifting capacity



## EnviroLift® Electric Hydraulic Inground Lifts

Challenger's electric hydraulic cassette style inground EnviroLift® meets the rigorous demands of professional service facilities. With over 50% more bearing contact surface than competitor's lifts, enhanced wipers both top and bottom and NEW larger 8-1/2" chrome pistons, your shop will have a superior, more stable and repeatable lift resulting in increased productivity. These inground lifts also eliminate environmental concerns with a fully contained polymer housing made from recycled plastic.

EnviroLifts require less shop space than surface mounted lifts. With a smaller footprint, your shop will maximize the number of service bays, resulting in higher parts and service revenue. EnviroLift® also creates a professional showroom style appearance with its open, aesthetically pleasing look.

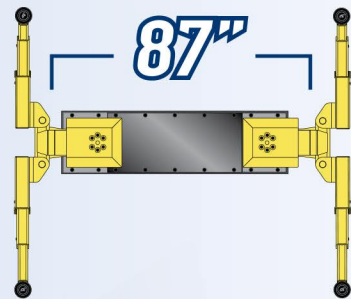
Other standard features include a mechanical locking ladder that engages every 3" and a stainless steel air lock release cylinder to prevent rust associated with condensation. Available in 10,000, 12,000 and the exclusive 15,000 lb. lift capacity.

## Features & Benefits

### Chrome Benefits

- Extends life of pistons
- Highly lubricious
- Ultra hard - harder than steel
- Stands up to high stress contact
- 100 times better wear than steel
- Less prone to abrasion
- Attractive finish
- Low friction

Widest drive-thru in the industry at 87" accommodates wider vehicles, minimizes tire pinching and provides easy drive-on (EV1020 and EV1220 only)



Over 50% more bearing spread than other competitive models, providing smooth and stable lifting up to 15,000 lbs.

Double telescoping screw adjusts from 3-7/8" to 7-1/8" with removable rubber pad for frame contact (EV1020 only)



Mechanical locking ladder engages every 3" for safe lifting and stainless steel air lock release prevents rust associated with condensation

Enclosed arm tube enhances structural integrity under maximum loading and reduces sharp edges



**NEW** larger 8 1/2" diameter chrome pistons

Over 50% longer bearing contact than competitor lifts

Mechanical lock engages every 3"

Stainless Steel air lock release cylinder

**NEW** enhanced raised wiper at top and bottom of bearing

Fully contained and sealed recycled polymer cassette tub

Chrome non-breathing ram style cylinder (EV1020 only)

- 1 Provides greater stability under load
- 2 Minimizes water intake and other contamination
- 3 Provides better grease retention and minimizes contaminants from entering into bearings
- 4 Provides increased stability
- 5 Provides safety and allows technician to work at their ergonomic height to increase productivity and minimize fatigue
- 6 Promotes longer working life with its corrosion resistant design
- 7 Eliminates risk of hydraulic fluid seeping into the ground

### Smaller Footprint = More Money

11 inground lifts fit in the same space as 10 above ground lifts. With each service bay worth over \$200,000 in annual parts and service sales, more service bays mean more money.

We can provide detailed CAD layouts to ensure the best balanced layout for your shop including:

- » Proper selection of vehicle lifts, air compressor systems and other shop equipment
- » Lift layout for maximum space utilization, aesthetics and parts and service productivity
- » Vehicle traffic flow analysis



## Lifting Point Configurations



### EV1020

3-stage front and 3-stage rear swing arms or drive-on fixed pad with 4-way directional sliders and (4) 4-1/8" multi-position rubber spotting blocks.

### EV1020AP



### EV1220

2-stage front and rear swing arms with standard combination stack screw pads to accommodate a wide range of heavier vehicle lift points. Comes with (4) frame engaging adapters for lifting trucks on frames.



### EV1520

Heavy-Duty 2-stage drive-over front and rear swing arms and standard combination stack screw pads accommodate a wide range of heavier vehicle lift points. Comes with (4) frame engaging adapters and (4) reducer bushings for lifting trucks on frames.

## Power Control Configurations



### Bench Mount Power Controls

Optional bench mounted power controls include raise, lower and lock release functions. They are aesthetically pleasing and mount to many major workbench brands, providing convenient access to inground lift controls.



### Standard Power Controls

Standard power control unit mounts to walls near workbenches. Features single push button lift function and down release valve handle.



### Universal Prekits

for 10,000, 12,000 and 15,000 lb. capacity inground cassette lifts. Supports future growth and eliminates costly and unsightly floor excavation. Part#: CSPK

### Optional StayDry

Pneumatically powered from the existing air supply, the StayDry automatically removes any accumulated condensate from the floor of the lift containment system each time the lift operator lowers the lift. Part#: SD100



## Need a 15,000 lb. Inground Lift?

Challenger Lifts is the exclusive manufacturer of the only 15,000 lb. capacity inground cassette style lift in the market for heavy-duty truck lifting.



EXCLUSIVE