

iLIFT Suspension Lift System – Universal Fitment Sheet

iLIFT Suspension Lift System

The iLIFT Suspension Lift System is a revolutionary product for intelligently lifting a vehicle to avoid damage from contact with obstacles including speed bumps, curbs, and steep driveways.

Universal iLIFT Suspension Lift System:

Universal iLIFT Suspension Lift Systems include components designed to allow fitment on most vehicles.

There are seven important fitment requirements to understand before purchasing an iLIFT System.

Please read this information before purchasing to understand the requirements for installing an iLIFT Suspension Lift System on your vehicle. Submit the last page to complete your order.

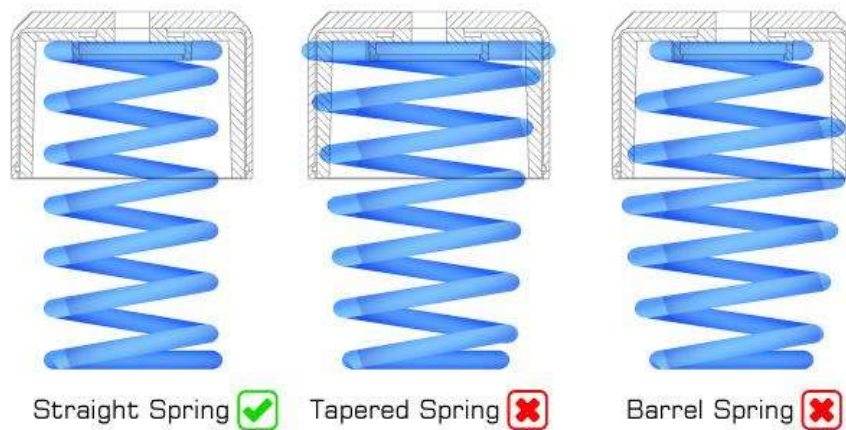
iLIFT Suspension Lift System Components:

- **Actuators:** consisting of the piston and cylinder, these actuators are what attach to the shock absorber and push down on the coil springs to raise the vehicle.
- **Manifold Assembly:** consists of the manifold, valves, pressure sensors, and fittings that control the air flow of the system.
- **Air Compressor:** supplies pressurized air to the air tank.
- **Air Tank:** supplies air to raise the vehicle.
- **Electronic Control Unit (ECU):** controls activation of the various system components.
- **Wire Harness & Power Distribution Module:** wire harness for the ECU, manifold electronics, and power supply for the air compressor.



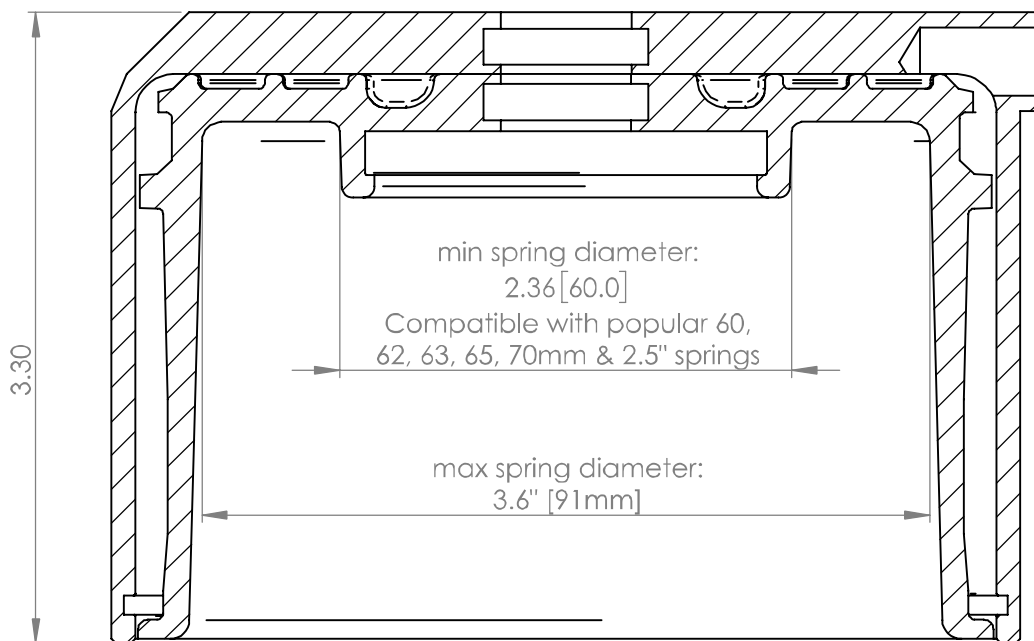
1. Straight Springs Required

The iLIFT Suspension Lift System actuators are designed for straight springs as shown. Factory style tapered springs and barrel springs are not compatible with iLIFT Suspension Lift System. Factory springs with a tapered or barrel shape can often be changed to a straight spring - however, this requires knowledge of the existing spring rate and may require a custom lower mount made to work with your shock absorber.



2. Spring Fitment in Actuator

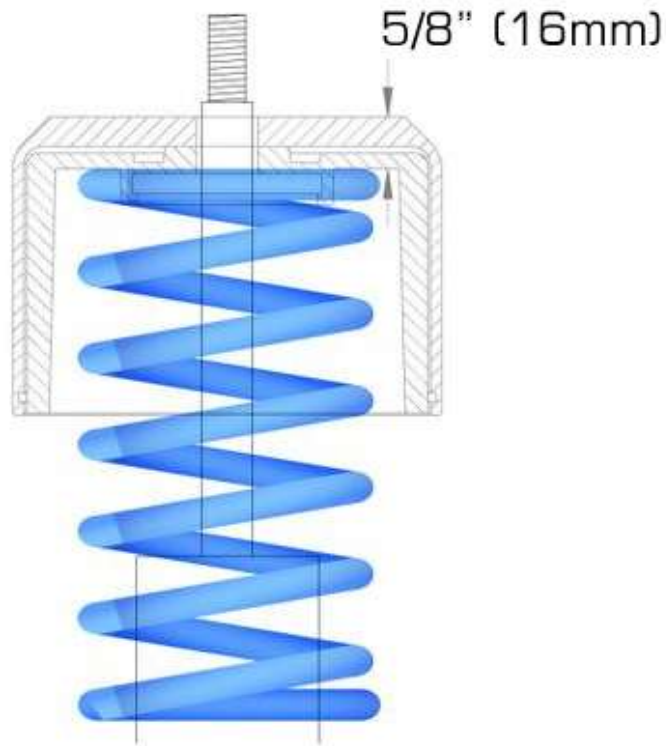
The iLIFT actuator is compatible with springs with an inner diameter of 60-70mm – and is compatible with popular springs including 60mm, 62mm, 63mm, 65mm, and 2.5". To determine your spring inner diameter, measure the inside of the spring with a caliper, or contact your coilover manufacturer. The spring's outer diameter cannot exceed 3.6" (91mm).



SIDE CROSS SECTION

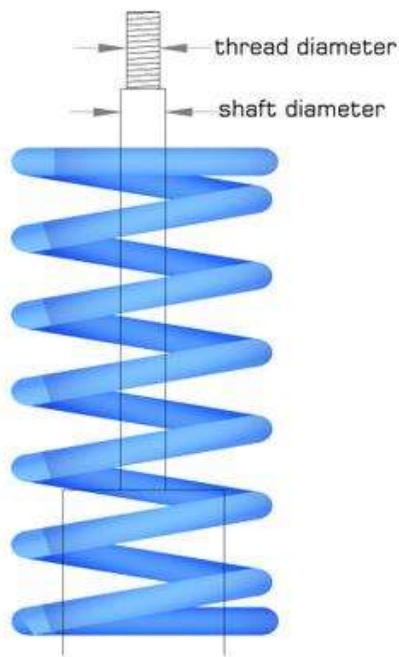
3. Installation Height

The iLIFT Actuator adds only 5/8" (16mm) of height to your spring. This requires a threaded body shock absorber with enough threads to lower the spring or modification of the lower mount to move the spring down 5/8".



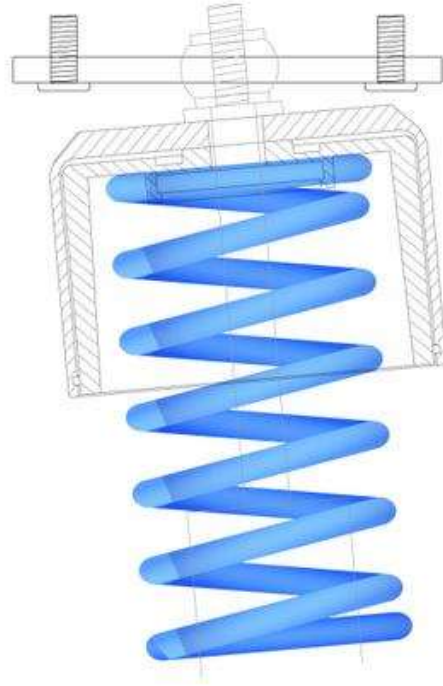
4. Compatible Shock Absorber Shaft Diameter

So that we may provide compatible components, you must provide your shock absorber's shaft and thread diameter. Measure the shaft on your shock absorber using a caliper. iLIFT Actuators are available for shock absorbers with 12mm, 12.5mm (1/2"), 13mm, 14mm, 15mm, 16mm, 18mm, 20mm, 24mm, and 25mm shaft diameters.



5. Top Mount Fitment

The shock absorber's top mount must be able to accommodate the iLIFT Actuator. Because the seals in the iLIFT Actuator ride on the shock absorber's shaft – the actuator must remain parallel to the shock absorber, while the shock absorber must be able to pivot in the top mount to allow the suspension to pivot with suspension's movement. In addition, the top mount's joint must be designed to carry the full load of the suspension – factory designs where the spring mounts to the bottom of the top mount are not compatible. These requirements may require a custom top mount or adapters in order to work with your existing top mount.

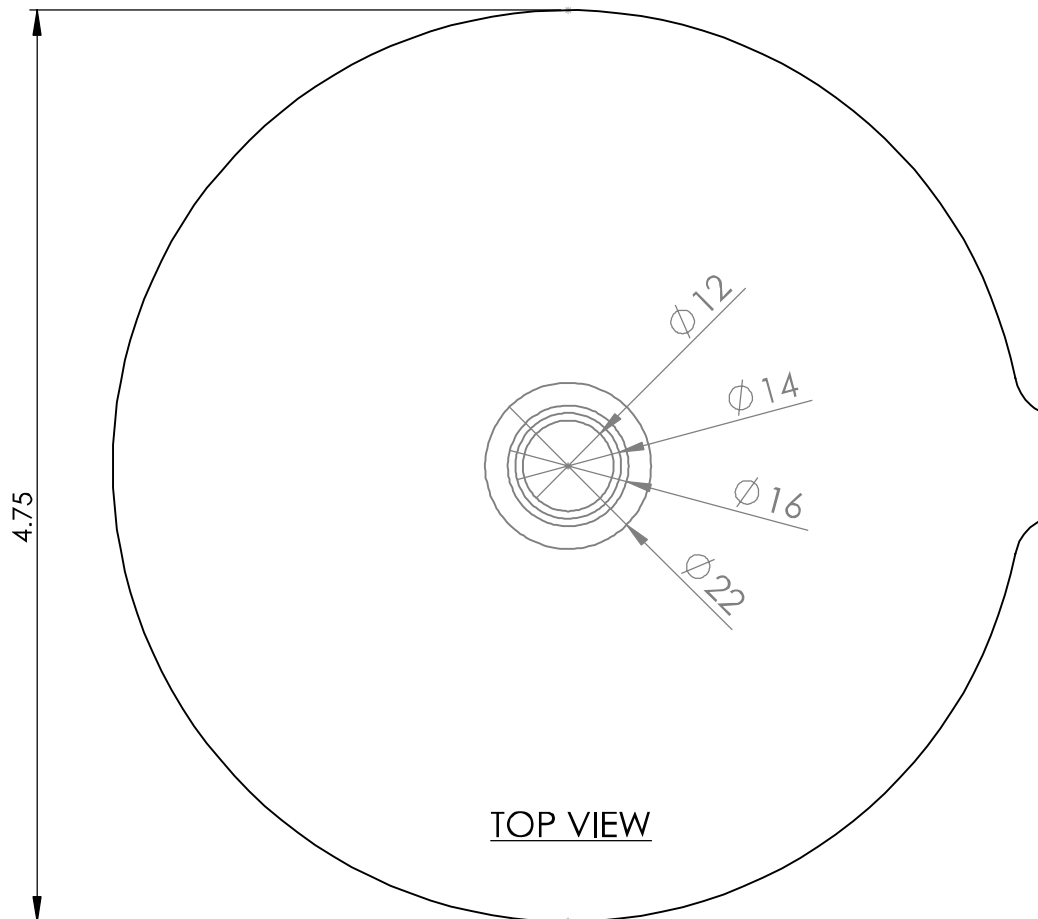


6. Actuator Clearance to Vehicle's Body:

The actuator must have clearance between the vehicle's body once installed. This template may be used to check clearance.

Follow these steps:

1. Print this page. Make sure that the printing scale is set to 100% and that "fit to page" is turned off. Double check at least one dimension (4.75" for example) to ensure your printer has not scaled the template.
2. Cut out the top view template around the perimeter and cut the center hole according to the size of your shock absorber. Mount it to a rigid piece of cardboard if needed.
3. Remove the shock absorber from the vehicle. With the spring removed, the template can slide along the shaft to simulate the clearance required by the actuator. Make sure that the actuator can clear the body with sufficient clearance through the full range of the suspension.



7. Air Tank & Compressor Fitment:

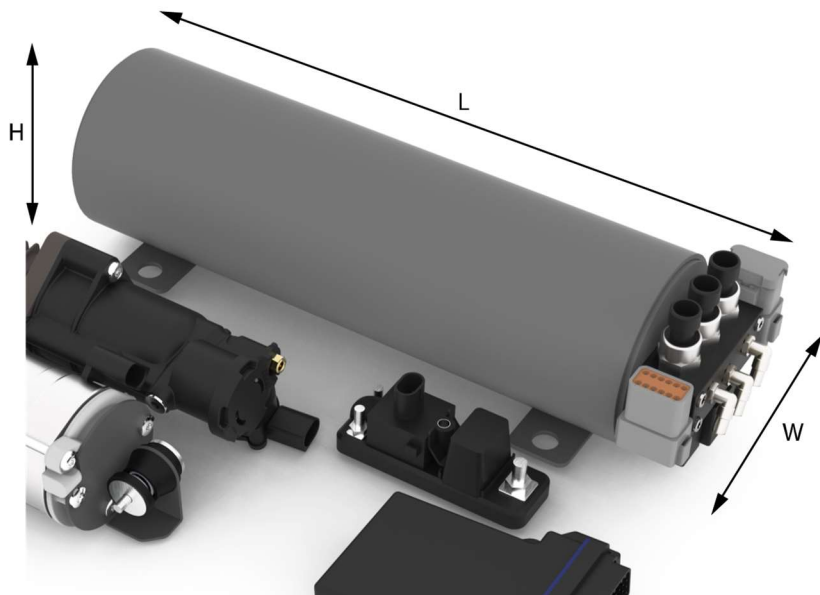
Universal iLIFT Suspension Lift Systems are available as a mounted assembly or as individual components. The mounted assembly includes all major system components mounted to a compact easy to install assembly with integrated vibration isolation mounts. The system is also available unmounted - where each component can be mounted individually to suit custom requirements.

Universal iLIFT Suspension Lift System (Mounted)



L: 17" (432mm)
W: 9-1/2" (241mm)
H: 6-3/4" (172mm)

Universal iLIFT Suspension Lift System (Separate Components)



with manifold assembly attached:
L: 17" (432mm)
W: 5-1/2" (140mm)
H: 5-3/4" (146mm)

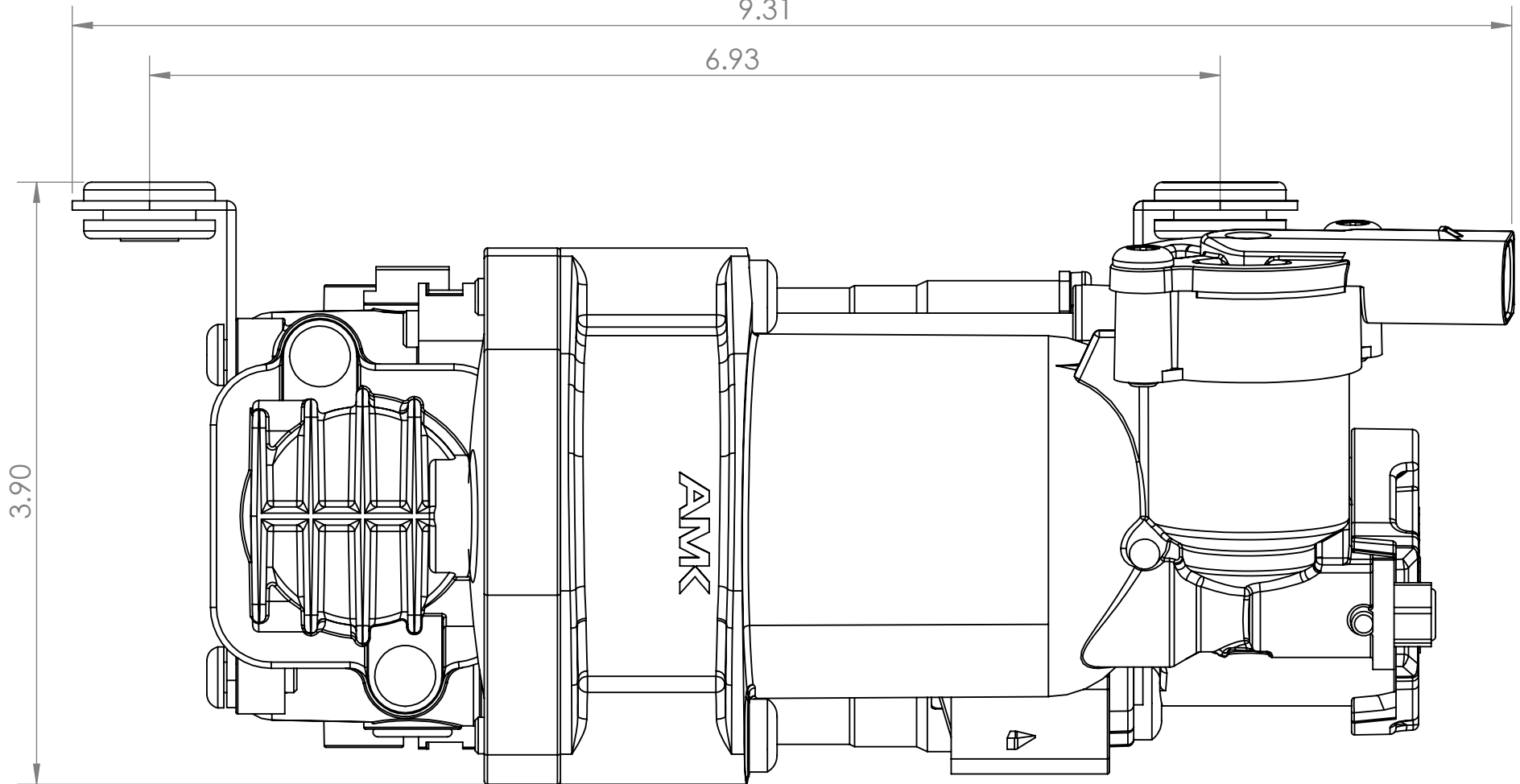
with manifold assembly removed:
L: 15" (381mm)
W: 4-1/2" (115mm)
H: 4-3/4" (121mm)

(compressor continued on next page)

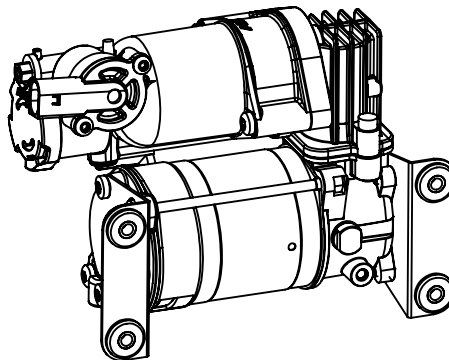
TOP VIEW

9.31

6.93



3.90



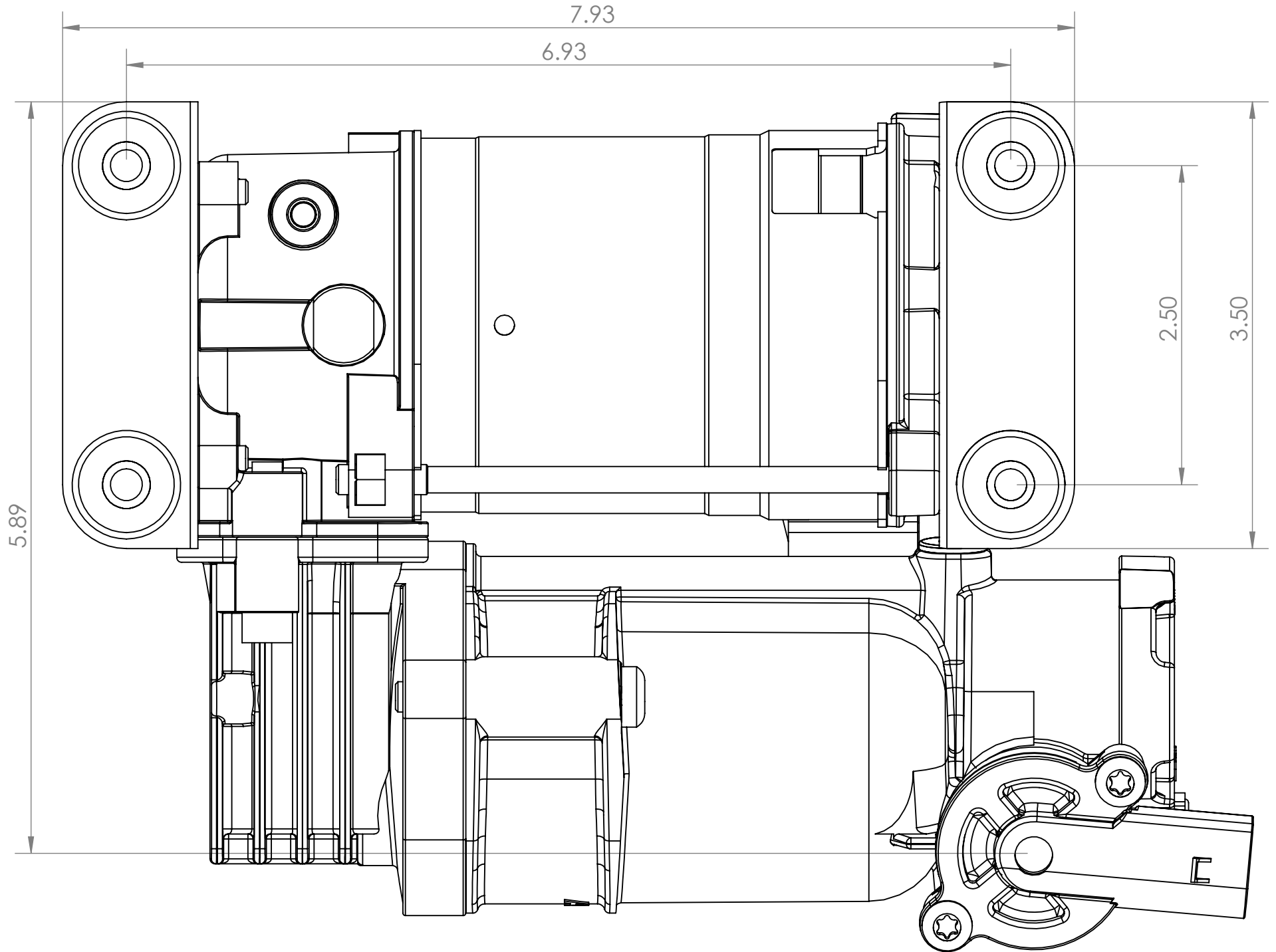
iLIFT®

iLIFT Air Compressor w/ Side Bracket

Dimensions in inches.

Note: compressor must be mounted in a location with an adequate air supply for cooling. It is not recommended to be mounted in a trunk or enclosed compartment.

SIDE VIEW



Universal iLIFT Suspension Lift System

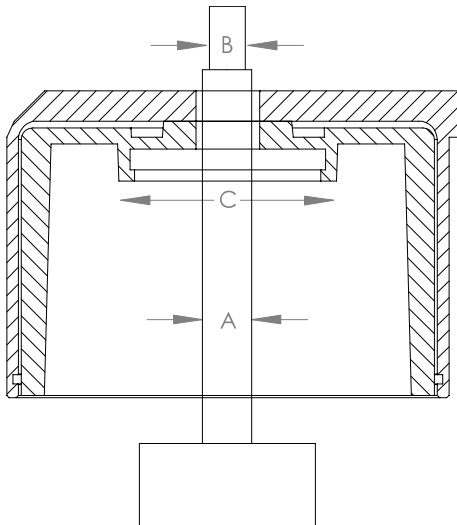
Please fill in the required ordering information so that we may properly prepare your new iLIFT Suspension Lift System.

Contact Info:

Name: _____
Telephone: _____
E-mail: _____

Vehicle Info:

Year: _____
Make: _____
Model: _____
Shock Absorber
Manufacturer: _____



A (shock absorber shaft diameter):

_____ inches / mm (circle)

B (shock absorber thread diameter):

_____ inches / mm (circle)

C (spring inner diameter):

_____ inches / mm (circle)

Return Policy:

iLIFT Systems are custom made for each customer. It is the customer's responsibility to verify fitment of iLIFT products as instructed in this document before purchasing.

By signing, I acknowledge that I have reviewed and verified the compatibility of iLIFT components to my vehicle, and understand the return policy.

Signature

Date