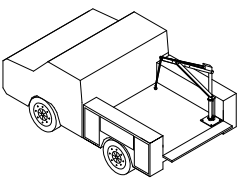


Installation Instructions

12 x 12 base plate

KBP-012, 900lb max cap

Standard Professional Installation 1.5hrs



Step 1.

a- Determine mounting location. It is recommended to close the tailgate to ensure that the mount does not block it from closing after installment (fig 1).

NOTE: Make sure that the side of the mount with the longest distance between the edge of the plate and the receiver tube is towards the back end of the vehicle.

Step 2.

CAUTION: On vehicles and hollow wall structures, ensure intended installation will not sever electrical wires or gas lines before you begin drilling.

b- Use the mount to mark the holes, and drill the four holes through the floor. If installing with the receiver tube down, the vehicle floor will require a 2 3/4" x 2 3/4" square hole, or a 3 1/4" diameter round hole for the receiver tube. Ensure the holes do not interrupt the integrity of vehicle framing or support members.

c- Check to see if the bolt holes go through the cross sills of the frame so that the mount will rest on the cross sills for structural integrity (as seen in fig 3). If the mount has both sides resting on cross sills, skip Step 3. However, if the bolt holes do not all go through the cross sills (as seen in fig 3), commence to step 3.

Step 3.

a- Cut two 2" x 2" angle pieces to fit between the 2 cross sills

b- Put the angle pieces into place so that they will support the holes of the base plate, and weld them into place (fig 5).

c- Use the previously drilled holes to drill holes through the pieces of angle.

Note: After drilling holes or making any penetrations, be sure to properly seal by liberally applying silicone around the perimeter of all holes and mount. After tightening down, remove excess silicone.

Step 4.

a- Place the mount into proper installment location.

b- If needed, ensure spacers are placed to prevent deformation of the surface where the base plate is attached.

c- Insert the 1/2" carriage bolts down through the mount, the floor, and the cross sills or channel, and fasten with 1/2" nuts and washers. Torque 1/2 gr5 bolts to 80 ft-lb (fig 6).

Step 5.

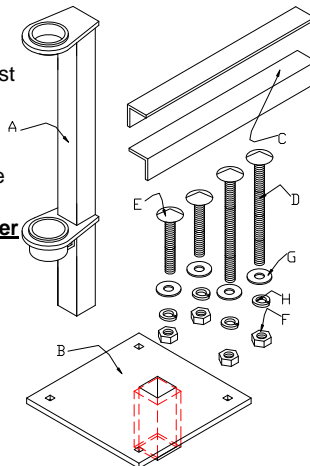
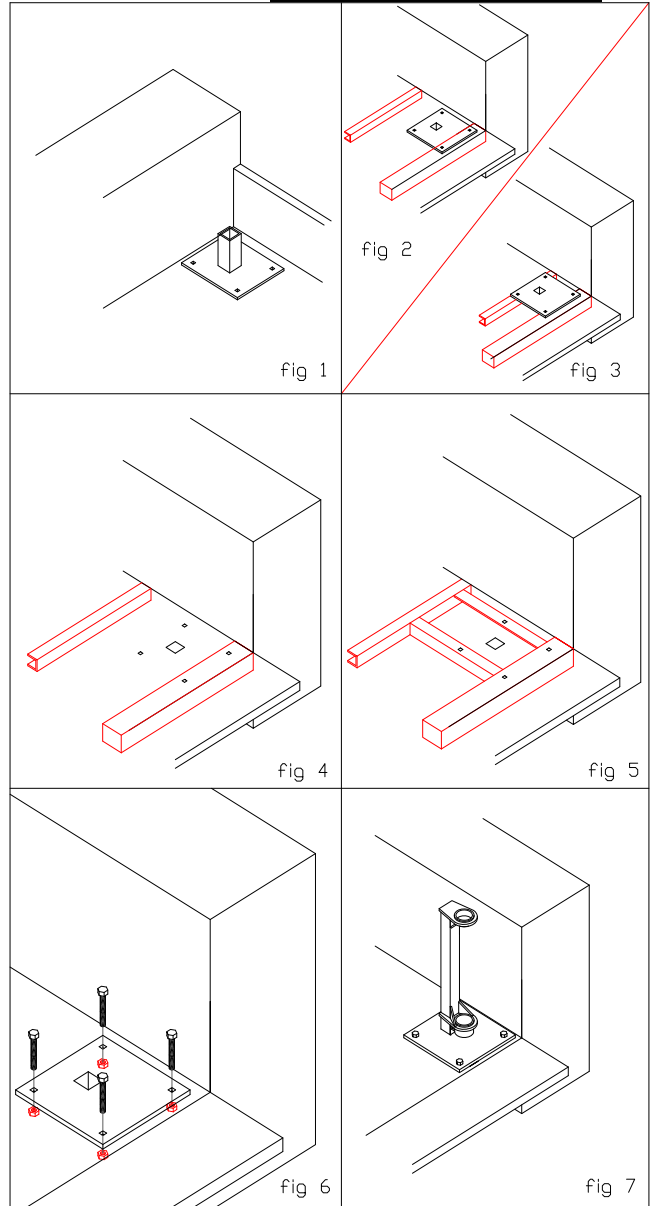
When mount has been successfully fastened to the vehicle, ensure that everything is structurally sound and that all cuts or holes are sealed with silicone. Then insert the Post Base into the mount (fig 7).

Step 6.

Insert assembled SPITZLIFT Lightweight Portable Crane into the Post Base.

Note: Wiring kit is included with DC powered crane unit. Refer to wiring diagram from instruction manual for DC powered unit.

Mounting bracket is recommended to be professionally installed. Hirok, Inc./ DBA SPITZLIFT is not liable for the installation, or for the structural integrity of where it is mounted. Weight ratings may vary based on vehicle size. Spitzlift proprietary information



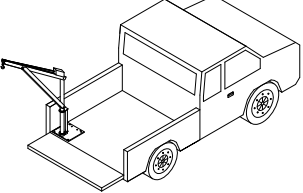
Ref. Letter	Part Description	Q
A	Post Base APHB-002	1
B	Base Plate ABP-012	1
C	2" X 2" x 3/16" Angle	2
D	1/2-13 x 4gr5 carriage bolt	2
E	1/2-13 x 2 gr5 carriage bolt	2
F	1/2-13 nut	4
G	1/2" washer	4
H	1/2" lock washer	4

Installation Instructions

Surface Plate Mount Kit - 15" x 15"

KBP-015, 900lb max cap

Standard Professional Installation 1.5hrs



Step 1.
Determine most appropriate mounting location. The mount fits in either back corner of the vehicle, near the rear end and the side of the vehicle. The mount is designed to fit so that the receiver tube is closest to the side of the vehicle, and the staggered holes will line up with the vehicle's support frame (*fig 1*). Ensure that the mount will still fit properly when the tailgate is closed.

Step 2.
CAUTION: On vehicles and hollow wall structures, ensure intended installation will not sever electrical wires or gas lines before you begin drilling.

a- Once the most appropriate mounting location has been established, mark the location for the receiver tube (*fig 2*). Cut a 2 3/4" square hole or a 3 1/4" diameter round hole for the receiver tube to fit into.

b- Slide the mount into place, and mark 4 bolt holes. The KBP-015 is provided with 8 holes for attachment; any 4 of the attachment holes may be used as long as one is in each quadrant. Use the holes that line up with the support frame of the vehicle.

c- Depending on the vehicle, you may need to remove a bolt from the bed of the vehicle; this bolt hole can be used, and is recommended, for installation of the surface plate. Once the best holes have been selected, mark and drill all four holes (*fig 3*).

Note: After drilling holes or making any penetrations, be sure to properly seal by liberally applying silicone around the perimeter of all holes and mount. After tightening down, remove excess silicone.

Step 3.

a- Remove mount from location. Use the pieces of flat bar to fill in the gaps between the surface plate and the bed of the vehicle caused by the ridges of the bed, in order to add support and to prevent deformation (*fig 4*).

b- Use provided pieces of steel angle to strengthen bolts that are not positioned through framing members (*fig 5*). Hand tighten 1/2" lock washer and nut to each bolt to hold the pieces in place.

c- For the front inside hole (*fig 3*), use pieces of tubing between the bed and the frame of the vehicle to channel the load (*fig 6*).

d- If bolt was removed (*step 2c*) and old hole can be used, simply place the bolt through and tighten with 1/2" lock washers and 1/2" nuts. If new hole is being used, Use a square washer to add support to the bolt underneath the vehicle. Hand tighten 1/2" lock washer and nut to the bolt to hold the piece into place.

e- Fasten all 4 bolts tightly using 1/2" nuts and washers (*fig 7*). Torque 1/2 gr5 bolts to 80 ft-lb (*fig 6*).

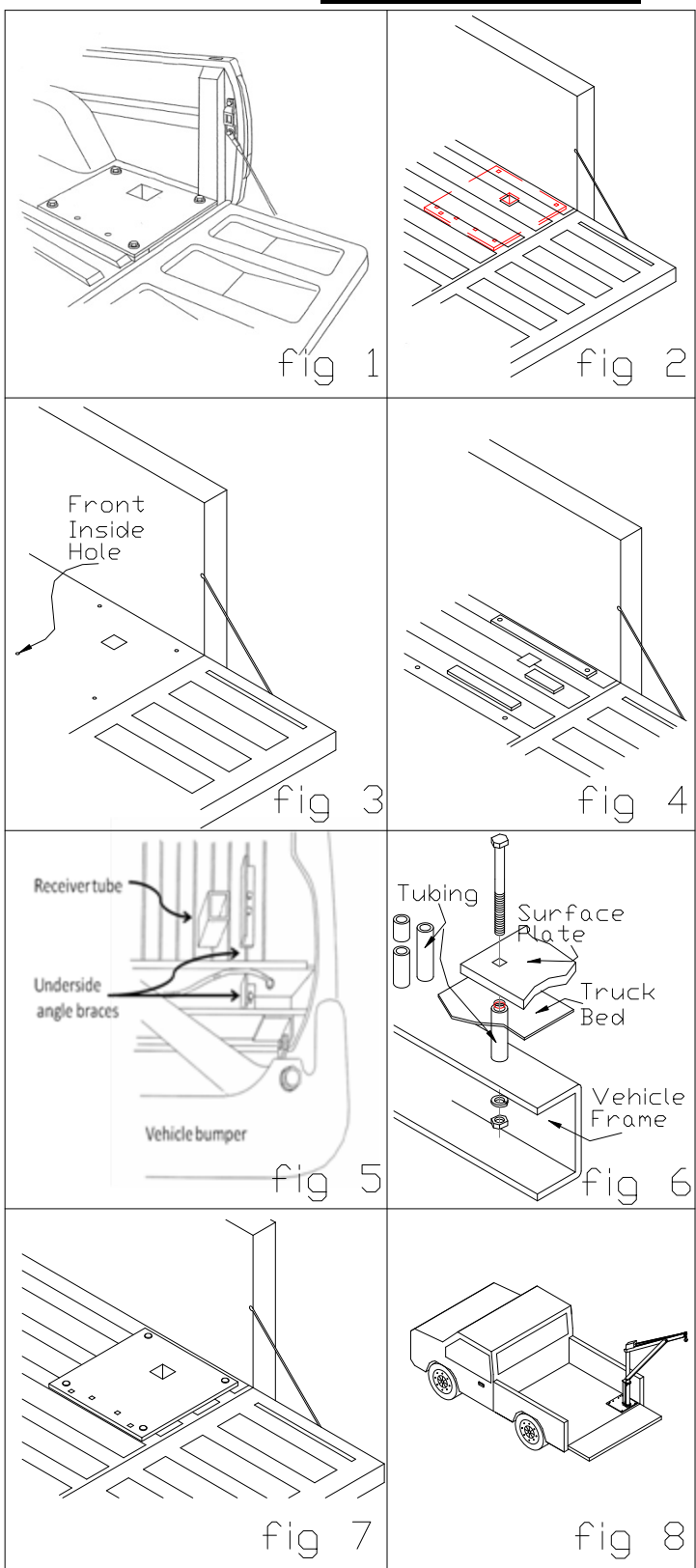
Step 4.

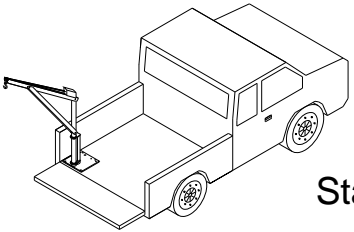
a- When mount has been successfully fastened to the vehicle, ensure that everything is structurally sound and that all cuts or holes are sealed with silicone. Then insert the Post Base into the mount.

b- Insert the assembled SPITZLIFT Lightweight Portable Crane into the Post Base (*fig 8*).

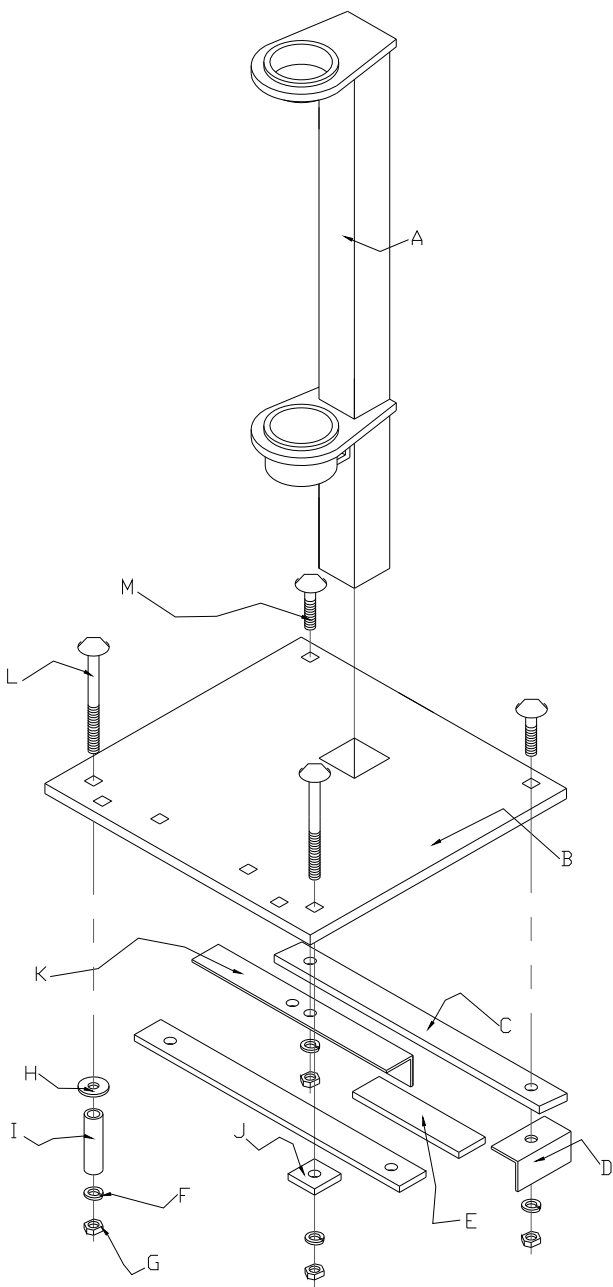
Note: Wiring kit is included with DC powered crane unit. Refer to wiring diagram from instruction manual for DC powered unit.

Mounting bracket is recommended to be professionally installed. Hirok, Inc./ DBA SPITZLIFT is not liable for the installation, or for the structural integrity of where it is mounted. Weight ratings may vary based on vehicle size.
Spitzlift proprietary information





Installation Instructions
Surface Plate Mount Kit - 15" x 15"
KBP-015, 900lb max cap
Standard Professional Installation 1.5hrs



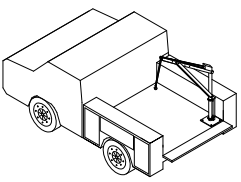
Ref. Letter	Surface Plate Mount	Q
A	Post Base APHB-002	1
B	Surface Plate Mount ABP-015	1
Hardware Kit ABPH-015		
C	15" Drilled Ridge Support	2
D	3" x 1.5" x 1.5" Angle Brace	1
E	6" Ridge Support	1
F	1/2" Lock Washers	4
G	1/2"-13 Nuts	4
H	1/2" Washers	4
I	Tubing Pieces, (Various sizes)	4
J	Square Washer	1
K	11" Angle Brace	1
L	1/2-13 x 5 gr5 carriage bolt	2
M	1/2-13 x 2 gr 5 carriage bolt	2

Installation Instructions

10 x 12 base plate

KBP-1012, 900lb max cap

Standard Professional Installation 1.5hrs



Step 1.

a- Determine mounting location. It is recommended to close the tailgate to ensure that the mount does not block it from closing after installment (fig 1).

NOTE: Make sure that the side of the mount with the longest distance between the edge of the plate and the receiver tube is towards the back end of the vehicle.

Step 2.

CAUTION: On vehicles and hollow wall structures, ensure intended installation will not sever electrical wires or gas lines before you begin drilling.

b- Use the mount to mark the holes, and drill the four holes through the floor. If installing with the receiver tube down, the vehicle floor will require a 2 3/4" x 2 3/4" square hole, or a 3 1/4" diameter round hole for the receiver tube. Ensure the holes do not interrupt the integrity of vehicle framing or support members.

c- Check to see if the bolt holes go through the cross sills of the frame so that the mount will rest on the cross sills for structural integrity (as seen in fig 3). If the mount has both sides resting on cross sills, skip Step 3. However, if the bolt holes do not all go through the cross sills (as seen in fig 3), commence to step 3.

Step 3.

a- Cut two 2" x 2" angle pieces to fit between the 2 cross sills
 b- Put the angle pieces into place so that they will support the holes of the base plate, and weld them into place (fig 5).
 c- Use the previously drilled holes to drill holes through the pieces of angle.

Note: After drilling holes or making any penetrations, be sure to properly seal by liberally applying silicone around the perimeter of all holes and mount. After tightening down, remove excess silicone.

Step 4.

a- Place the mount into proper installment location.
 b- If needed, ensure spacers are placed to prevent deformation of the surface where the base plate is attached.
 c- Insert the 1/2" carriage bolts down through the mount, the floor, and the cross sills or channel, and fasten with 1/2" nuts and washers. Torque bolts to 80 ft-lb (fig 6).

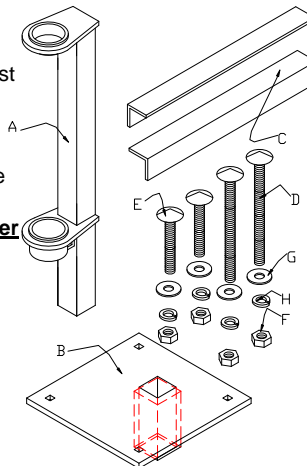
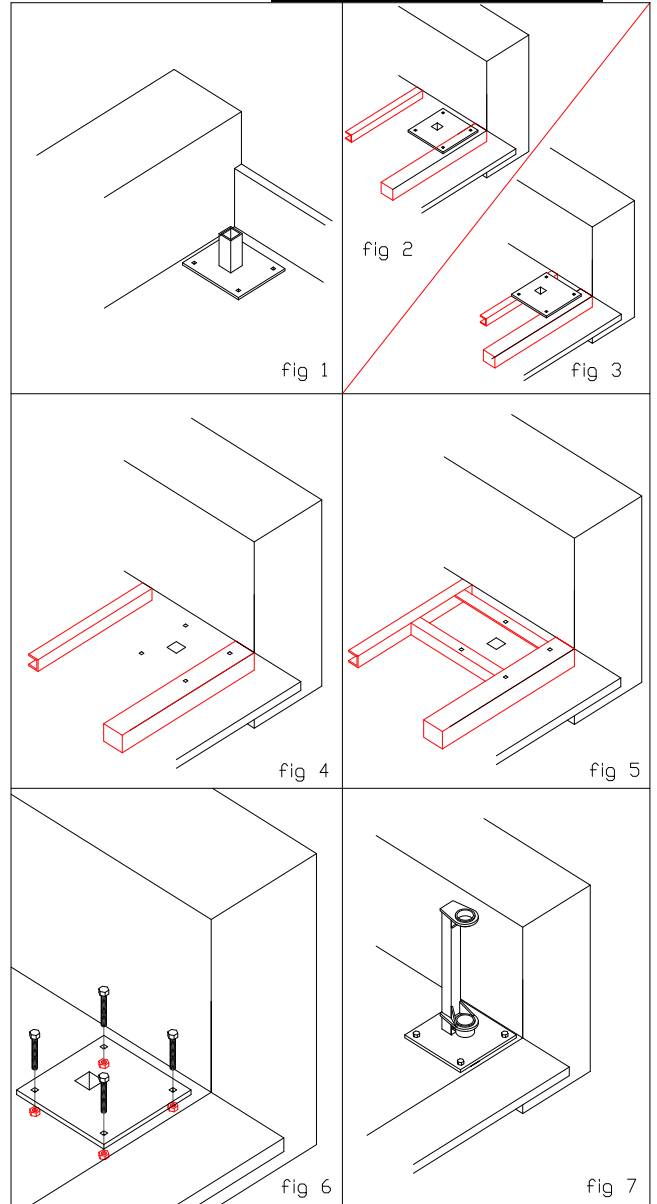
Step 5.

When mount has been successfully fastened to the vehicle, ensure that everything is structurally sound and that all cuts or holes are sealed with silicone. Then insert the Post Base into the mount (fig 7).

Step 6.

Insert assembled SPITZLIFT Lightweight Portable Crane into the Post Base.

Note: Wiring kit is included with DC powered crane unit. Refer to wiring diagram from instruction manual for DC powered unit.



Ref. Letter	Part Description	Q
A	Post Base APHB-002	1
B	Base Plate KBP-1012	1
C	2" X 2" X 3/16" Angle	2
D	1/2-13 x 4 gr5 carriage bolt	2
E	1/2-13 x 2 gr5 carriage bolt	2
F	1/2-13 nut	4
G	1/2" washer	4
H	1/2" lock washer	4

Mounting bracket is recommended to be professionally installed. Hirok, Inc./ DBA SPITZLIFT is not liable for the installation, or for the structural integrity of where it is mounted. Weight ratings may vary based on vehicle size.

Spitzlift proprietary information

Customer Service 877-774-8954

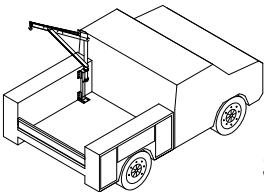
Email info@spitzlift.net

Installation Instructions

Side Post Mount

KBSM-219, 900lb max cap

Standard Professional Installation 1.5hrs



Step 1.

CAUTION: On vehicles and hollow wall structures, ensure intended installation will not sever electrical wires or gas lines before you begin drilling.

- a- Determine mount location for the Side Post Mount and ensure that the location is clear.
- b- Place the mount into install position. Ensure that the vehicle is level, and that the mount is plumb.
- c- Once the mount is in the desired location for install, mark holes and prepare for drilling.

Step 2.

- a- Drill through the left inside hole (closest to wall) on the Foot Bracket (fig 1).
- b- Once hole is completed, place 1/2" carriage bolt through the Foot Bracket and hand tighten.
- c- Drill top left side hole of the Top Wall Bracket (fig 1).
- d- Place 7/16" bolt through Top Wall Bracket and hand tighten.
- e- Drill all remaining holes accordingly.

Note: After drilling holes or making any penetrations, be sure to properly seal by liberally applying silicone around the perimeter of all holes and mount. After tightening down, remove excess silicone.

Step 3.

- a- Once drilling is completed, remove nut from top left and put the Backing Plate into place.
- b- Insert bolts through Top Wall Bracket and Support Bracket (fig 2). Tighten by hand.
- c- Commence to Bottom Wall Bracket. Install bottom right bolt through wall and through Backing Plate.
- d- Insert all bolts through Bottom Wall Bracket; put nuts in place (fig 3). Tighten by hand.
- e- Loosen nut on the Foot Bracket and put Backing Plate into place.

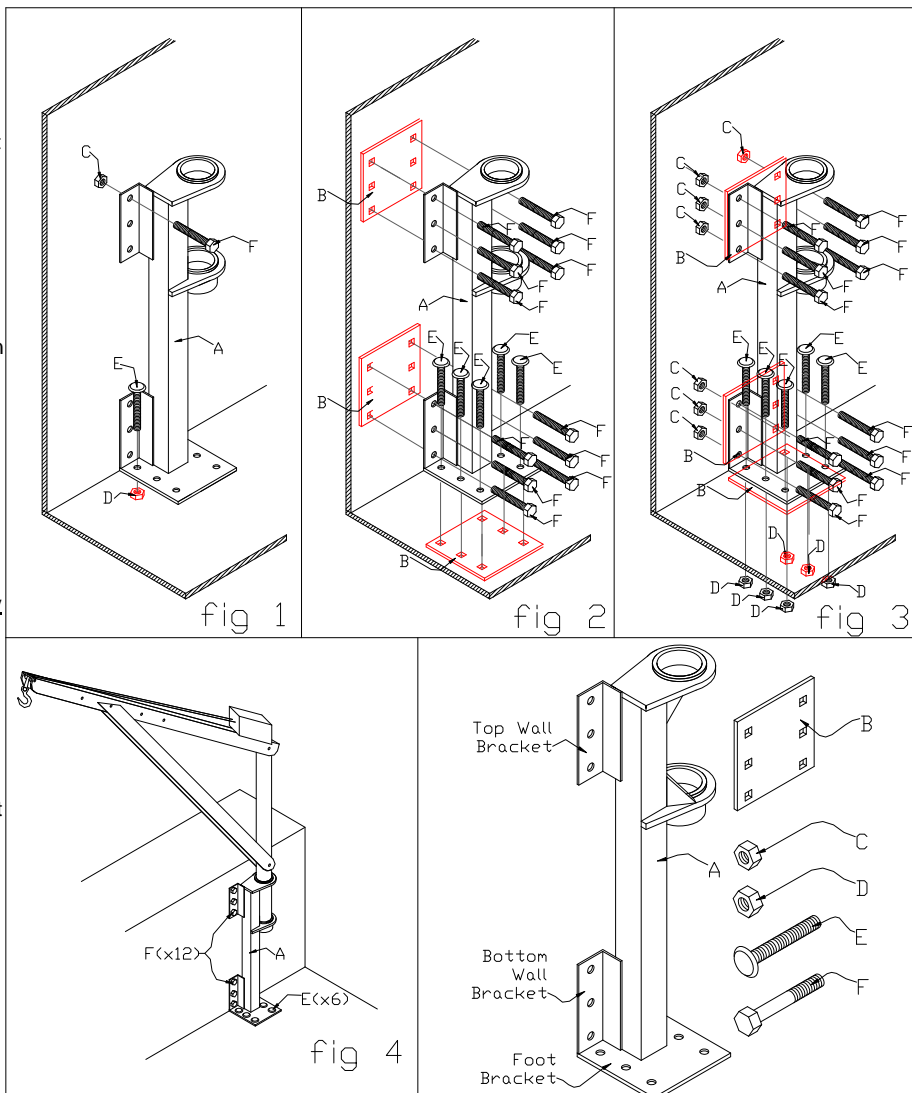
Step 4.

- a- Insert all six 1/2" carriage bolts through Foot Bracket and all remaining 7/16" bolts through Support Bracket; put nuts in place (fig 3). Commence with tightening all bolts to secure the mount onto the vehicle. Torque 7/16 gr5 bolts to 52 ft-lb.

Step 5.

Once the mount is firmly secured in desired location, insert assembled SPITZLIFT Lightweight Portable Crane into the Side Post Mount.

Note: Wiring kit is included with DC powered crane unit. Refer to wiring diagram from instruction manual for DC powered unit.



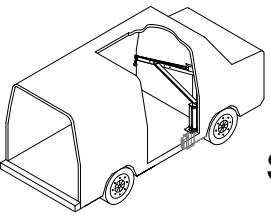
Reference Letter	Part Description	Quantity
A	Side Post Mount ABSM-219	1
B	Backing Plate	3
C	7/16-14 lock nuts	12
D	1/2-13 lock nuts	6
E	1/2-13 x 2 gr5 carriage bolts	6
F	7/16-14 x 2 gr 5 bolts	12

Mounting bracket is recommended to be professionally installed. Hirok, Inc./ DBA SPITZLIFT is not liable for the installation, or for the structural integrity of where it is mounted. Weight ratings may vary based on vehicle size.

Spitzlift proprietary information

Customer Service 877-774-8954

Email info@spitzlift.net



Installation Instructions

Van Frame Saddle Mount

KFS-001, 500lb max cap

Standard Professional Installation 1.5hrs



Prior to Installation take measurements to confirm the location of the Saddle Frame Mount and to make sure that the SPITZLIFT Lightweight Portable Crane will have clearance for its turning radius.

Step 1.

From underneath the vehicle, ensure that the Frame Saddle Mount lines up with the frame and that the receiver tube can be installed through the floor.

CAUTION: Ensure that the location for the mounting bracket is clear of all wires, harnesses, lines, etc.

Step 2.

- a- Place the Frame Saddle Mount on the side of the chassis frame. Use ruler or straight edge to trace the perimeter of the tube onto the bottom of the floor.
- b- Drill a 1/8" pilot hole in the center of the square outline.

Step 3.

- a- From the top, check the pilot hole location to ensure that the flange has proper clearance of the wall.
- b- Confirm that the flange satisfactorily fits the area around the pilot hole, and proceed to scribe the perimeter of the receiver tube onto the floor and cut out the square hole that is outlined.

Step 4.

- a- Set the Frame Saddle Mount and the support pieces into place (fig 3).
- b- Tighten bolts by hand; start with top and finish with bottom. Be sure to use washers and lock washers.
- c- Insert the Flanged Receiver Tube to confirm alignment.

Note: After drilling holes or making any penetrations, be sure to properly seal by liberally applying silicone around the perimeter of all holes and mount. After tightening down, remove excess silicone.

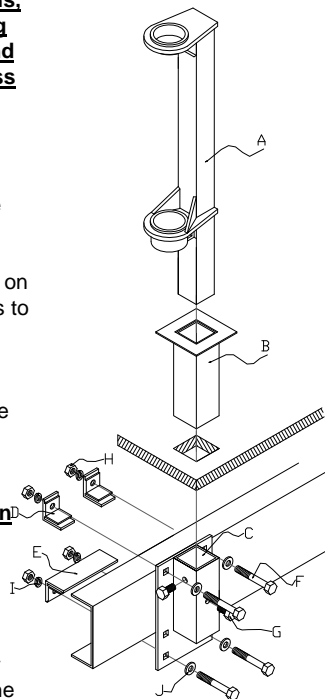
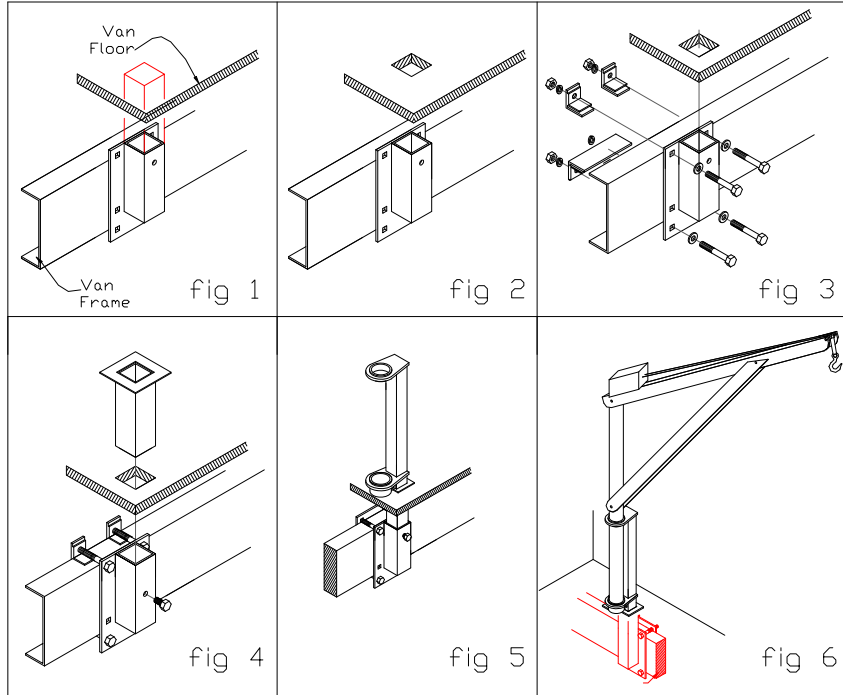
Step 5.

- a- Liberally apply silicone around the floor penetration beneath the Flanged Receiver Tube. Lower the Flanged Receiver Tube and apply weight to ensure a tight seal.
- b- From underneath the vehicle, tighten the set screws on the Frame Saddle Mount. Torque 7/16 gr5 bolts to 52 ft-lb.

Step 6.

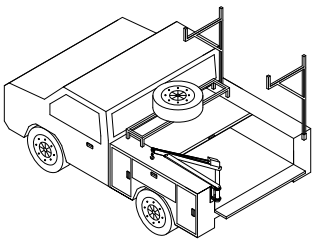
- a- Insert the Pivot Base into the Flanged Receiver Tube
- b- Insert assembled SPITZLIFT Lightweight Portable Crane into the receiver tube.

Note: Wiring kit is included with DC powered crane unit. Refer to wiring diagram from instruction manual for DC powered unit.



Reference Letter	Part Description	Quantity
A	Post Base APHB-016	1
B	Flanged Receiver Tube	1
C	Frame Saddle Mount	1
D	Top Frame Support Pieces	2
E	Bottom Frame Support Pieces	1
F	7/16-14 x 3.5 gr5 hex head bolts	4
G	1/2-13 x 1 gr5 set screw	1
H	7/16-13 nuts	4
I	7/16" lock washers	4
J	7/16" washers	4

Mounting bracket is recommended to be professionally installed. Hirok, Inc./ DBA SPITZLIFT is not liable for the installation, or for the structural integrity of where it is mounted. Weight ratings may vary based on vehicle size.
Spitzlift proprietary information



Installation Instructions

Left Corner Mount

KOCM-219L, 900lb max cap

Standard Professional Installation 1.5hrs



The Left Corner Mount Kit (KOCM-219L) is a mounting adapter for installation on the left (driver's) side of service body vehicles.

Step 1.

- a- Determine mounting location. Mount will fit easily on the back of the truck on the driver's side (fig 2). The post base should rest on the back side of the truck, while the supporting plate should be on the inside of the truck bed.
- b- If the mount appears to be too tall for the truck body, shorten the mount by safely cutting the bottom edge of the supporting plate to fit appropriately.

CAUTION: On vehicles and hollow wall structures, ensure intended installation will not sever electrical wires or gas lines before you begin drilling.

Step 2.

Mark and drill each hole.

Note: After drilling holes or making any penetrations, be sure to properly seal by liberally applying silicone around the perimeter of all holes and mount. After tightening down, remove excess silicone.

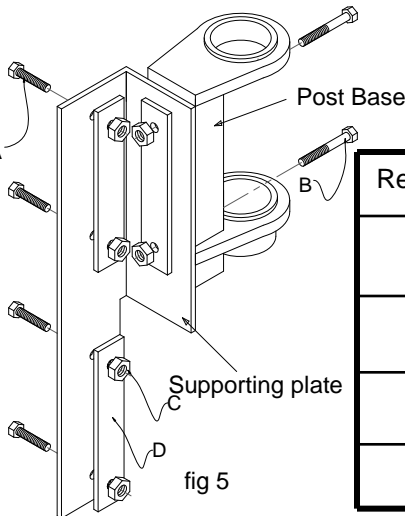
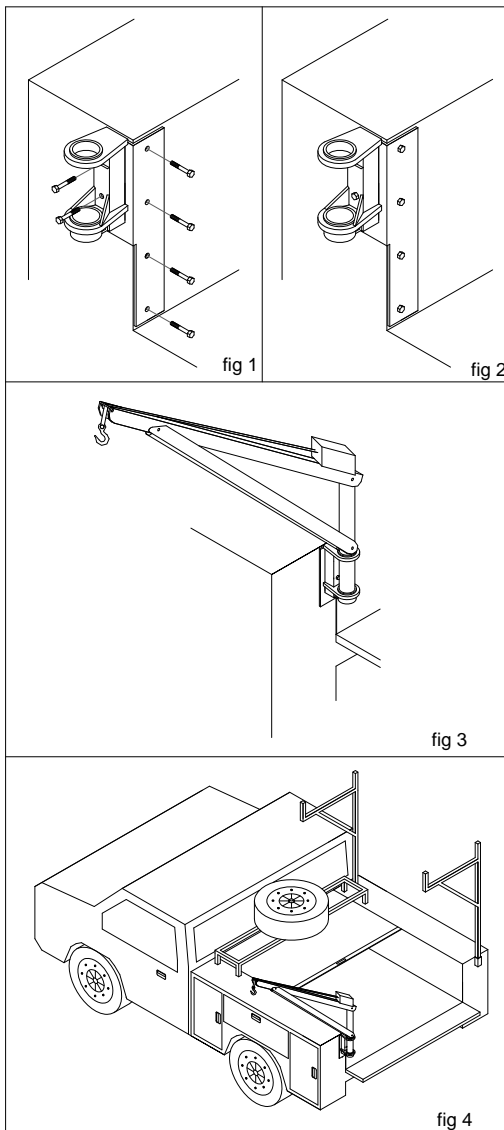
Step 3.

- a- Set corner mount in place by lining up bolt holes.
- b- Insert bolts (fig 1).
- c- Place flat bar backing over the bolts on the inside of the container (fig 5).
- d- Tighten the bolts with washers and nuts. Torque 7/16 gr5 bolts to 52 ft-lb.

Step 4.

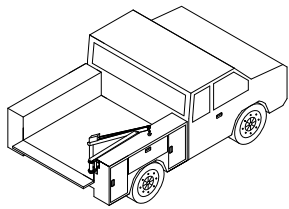
Once the mount is secure, insert the SPITZLIFT crane into the corner mount (fig 3).

Note: Wiring kit is included with DC powered crane unit. Refer to wiring diagram from instruction manual for DC powered unit.



Ref Let	Part Description	Q
A	7/16-14 x 2" hex cap bolt	4
B	7/16-14 x 3" hex cap bolt	2
C	7/16-14 lock nut	6
D	1/4" x 1 1/2" flat bar	3

Mounting bracket is recommended to be professionally installed. Hirok, Inc./ DBA SPITZLIFT is not liable for the installation, or for the structural integrity of where it is mounted. Weight ratings may vary based on vehicle size. Spitzlift proprietary information



Installation Instructions

Right Corner Mount

KOCM-219R, 900lb max cap

Standard Professional Installation 1.5hrs



The Right Corner Mount Kit (KOCM-219R) is a mounting adapter for installation on the right (passenger's) side of service body vehicles.

Step 1.

- Determine mounting location. Mount will fit easily on the back of the truck on the passenger's side (fig 2). The post base should rest on the back side of the truck, while the supporting plate should be on the inside of the truck bed.
- If the mount appears to be too tall for the truck body, shorten the mount by safely cutting the bottom edge of the supporting plate to fit appropriately.

CAUTION: On vehicles and hollow wall structures, ensure intended installation will not sever electrical wires or gas lines before you begin drilling.

Step 2.

Mark and drill each hole.

Note: After drilling holes or making any penetrations, be sure to properly seal by liberally applying silicone around the perimeter of all holes and mount. After tightening down, remove excess silicone.

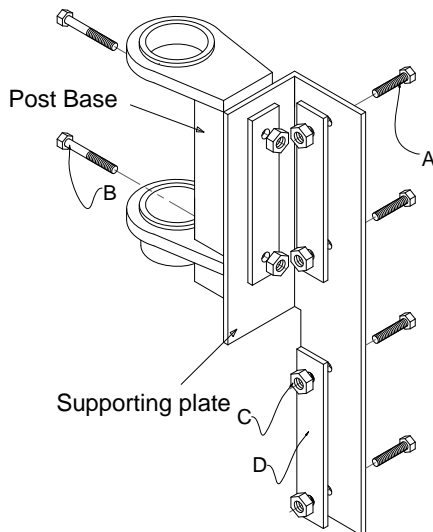
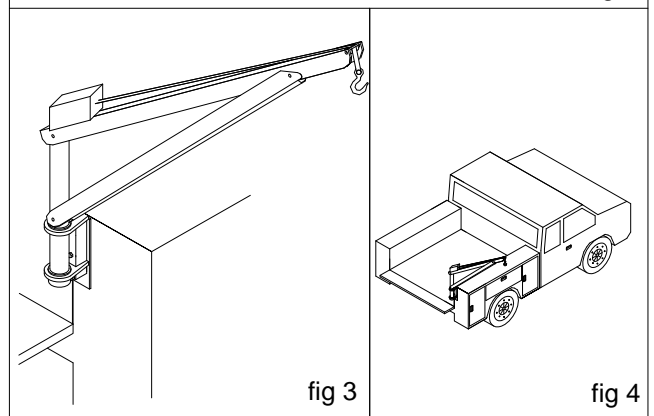
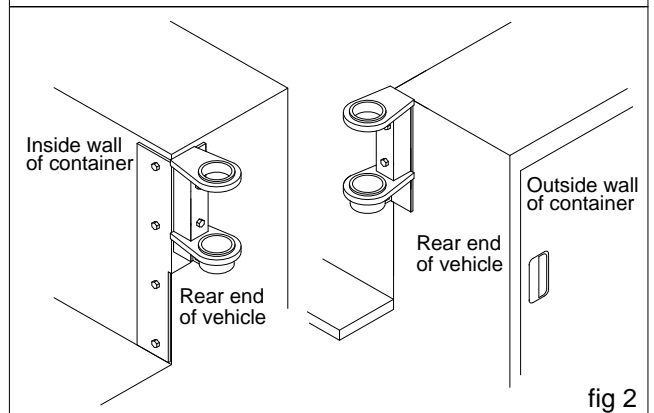
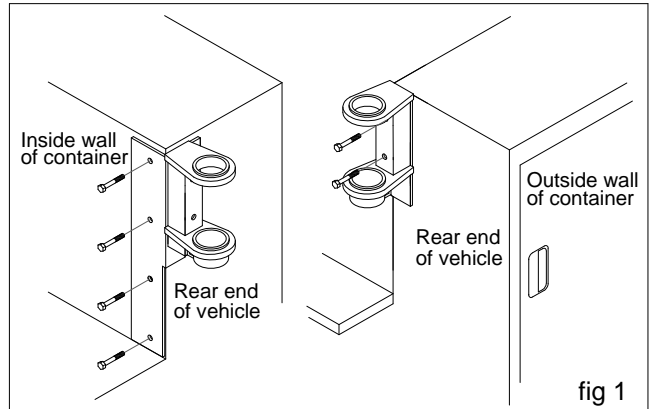
Step 3.

- Set corner mount in place by lining up bolt holes.
- Insert bolts (fig 1).
- Place flat bar backing over the bolts on the inside of the container (fig 5).
- Tighten the bolts with washers and nuts. Torque 7/16 gr5 bolts to 52 ft-lb.

Step 4.

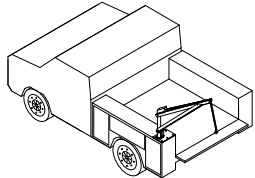
Once the mount is secure, insert the assembled SPITZLIFT Lightweight Portable crane into the corner mount (fig 3).

Note: Wiring kit is included with DC powered crane unit. Refer to wiring diagram from instruction manual for DC powered unit.



Ref Let	Part Description	Q
A	7/16-14 x 2" hex cap bolt	4
B	7/16-14 x 3" hex cap bolt	2
C	7/16-14 lock nut	6
D	1/4" x 1 1/2" flat bar	3

Mounting bracket is recommended to be professionally installed. Hirok, Inc./ DBA SPITZLIFT is not liable for the installation, or for the structural integrity of where it is mounted. Weight ratings may vary based on vehicle size.



Installation Instructions

Top Service Body Mount

KTSB-015,020, 900lb max cap
Standard Professional Installation 2hrs



Step 1.

CAUTION: Ensure that the location for the mount is clear of all wires, harnesses, lines, fuel tank, etc.

- Place Support Bracket so that it is located tight to the rear of the vehicle, inside wall of the compartment, and the top of the compartment (fig 1).
- Drill a 15/32" hole from the inside of the compartment through the top. (fig 2, Hole A).
- Place the Top Service Body Mount into proper location, lining the drilled hole up with the respective bolt hole. Place a 2" bolt through the aligned holes, and tighten with 7/16" lock nut.
- Ensure that the Top Service Body Mount and the Support Bracket are lined up properly, and drill remaining holes through the Top Service Body Mount (6 total, fig 3) and through the side compartment and the Support Bracket (2 total, fig 4). Seal all holes on exterior of the side compartment with silicone.

Note: After drilling holes or making any penetrations, be sure to properly seal by liberally applying silicone around the perimeter of all holes and mount. After tightening down, remove excess silicone.

Step 2.

- Place 7/16" x 2" bolts through the mount and the Support Bracket, but leave front center hole open (fig 5). Hand tighten with 7/16" lock nut. If you already placed a bolt through the front center hole in Step 1c, remove the bolt before commencing to Step 3.
- Set the Bracket Support Leg into proper location in the truck bed, so that the leg is towards the front of the vehicle (fig 6); insert 7/16" x 1.5" bolts through both top holes, and hand tighten with 7/16" lock nut.
- Drill the three remaining holes on the Bracket Support Leg. Seal all holes on exterior of the side compartment with silicone.
- Insert 7/16" x 1.5" bolt through the anchor hole and tighten with 7/16" lock nut and washer (fig 7).

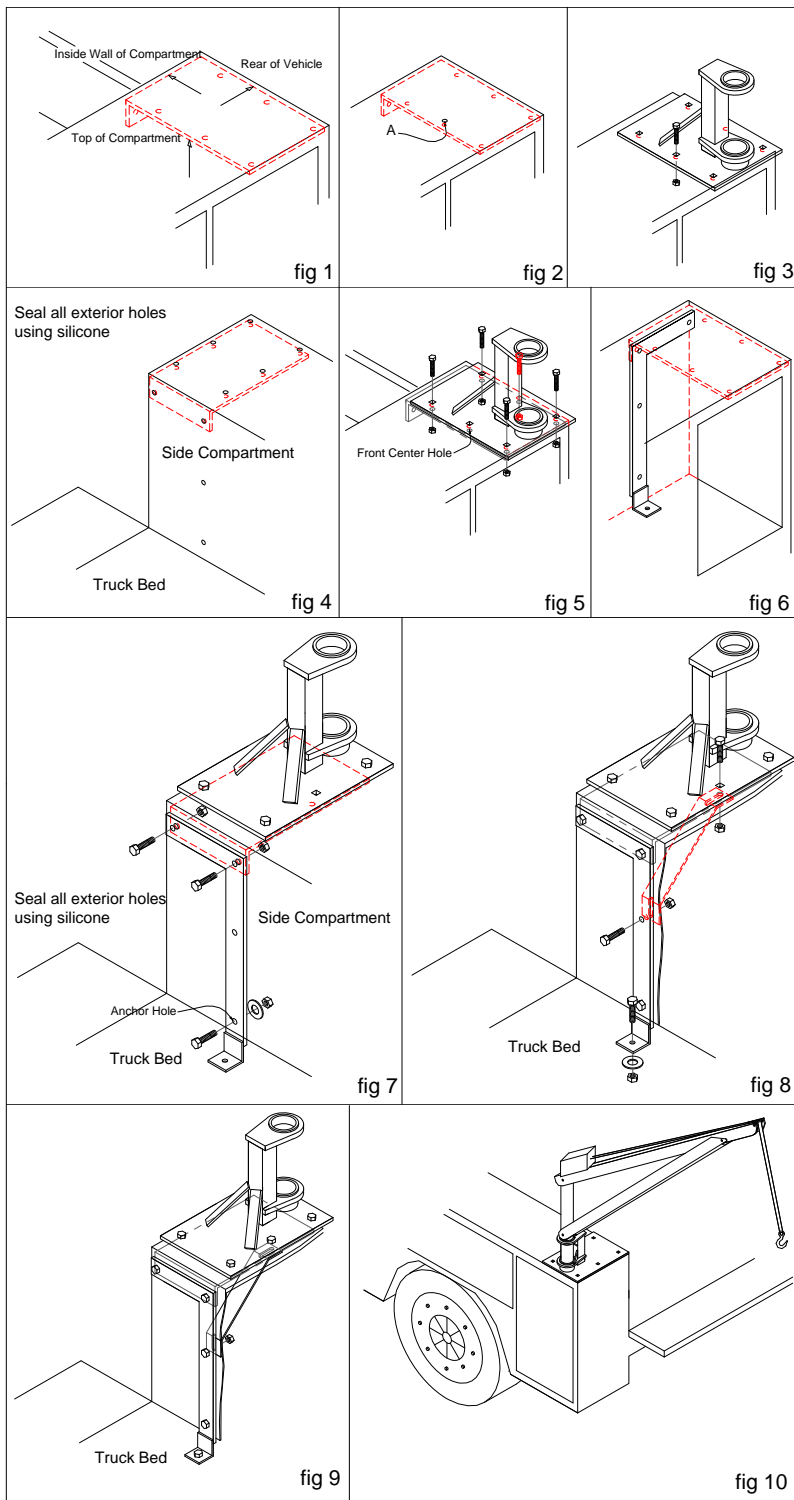
Step 3.

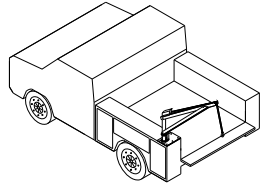
- Set the Diagonal Support Brace into place so that it reaches the remaining holes on the Bracket Support Leg and the Support Bracket.
- Place 7/16" x 1.5" bolt through the Diagonal Support Brace and the Bracket Support Leg, and place a 7/16" x 2" bolt through the Top Service Body Mount and the Diagonal Support Brace. Tighten into place.
- Place 7/16" x 1.5" bolt through the foot of the Bracket Support Leg and tighten into place using 7/16" lock nut and washer (fig 8).

Step 4.

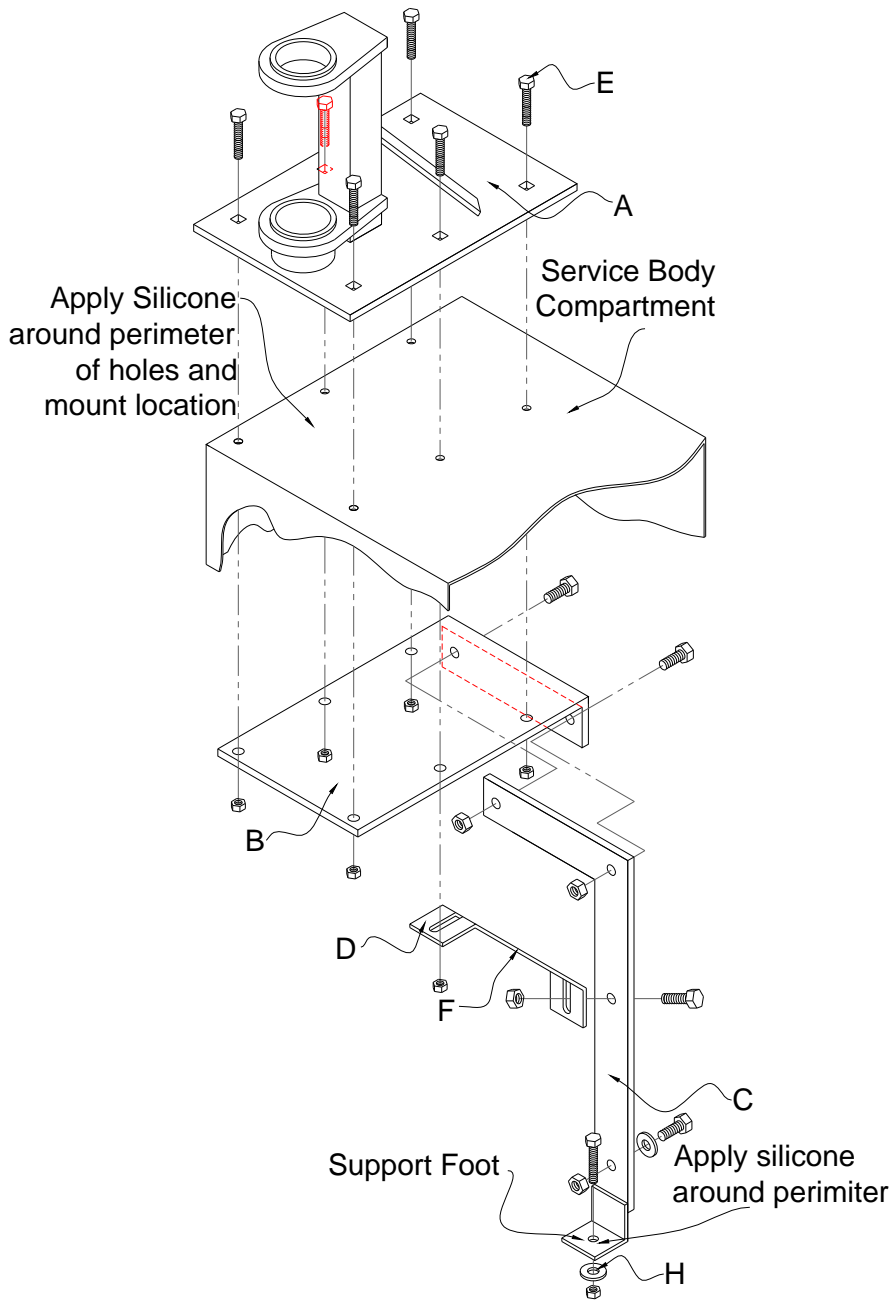
- Seal the perimeter of mounting bracket and support leg. Make sure that all exterior holes are sealed with silicone. Fasten all the bolts firmly. Torque 7/16 gr5 bolts to 52 ft-lb.
- Inspect to make sure the mount is stable and properly installed.
- Insert assembled SPITZLIFT Lightweight Portable Crane (LTSE-436 or LTS-436) into the Top Service Body Mount (fig 10).

Note: Wiring kit is included with DC powered crane unit. Refer to wiring diagram from instruction manual for DC powered unit.





Installation Instructions
Top Service Body Mount
KTSB-015,020, 900lb max cap
Standard Professional Installation 2hrs



Ref. Let.	Part Description	Q
A	Top Service Body Mount ATSB-015, ATSB-020	1
Hardware Kit ATSBH-015, ATSBH-020		
B	Support Bracket	1
C	Frame Support Leg	1
D	Diagonal Support Brace	1
E	7/16-14 x 2 gr5 hex head bolts	6
F	7/16-14 X 1.5 gr5 hex head bolts	5
G	7/16-14 Lock Nuts	9
H	7/16" washers	2