



SpitzLift Package Description Document

(Product Cut Sheet/ Install Guide)

PACKAGE DESCRIPTION: FORD F-250/F-350 IN-BED FLOOR PEDESTAL, 4FT DC SPITZLIFT

MAX LOAD CAPACITY: 900 LBS / 408 KG

PACKAGE ID #: PICKUP OPTION 3

Right side (Curb Side) Install

PACKAGE ID #: PICKUP OPTION 3

Left side (Driver Side) Install

VEHICLE SPECIFIC PACKAGE

VEHICLE MAKE: FORD

VEHICLE MODEL: F-250/F-350

START YEAR: 2017



PACKAGE IMAGE

PACKAGE SPECIFICATIONS:

FORD F-250/F-350 IN-BED FLOOR PEDESTAL
PICKUP OPTION 3
INSTALLS ON RIGHT SIDE
INSTALL WEIGHT: APPROX. 71 LBS
LOAD CAPACITY: 900 LBS
INCLUDES:
12V DC CRANE LTD-424 WITH PENDANT, DC CONNECT & WIRING HARNESS, POST MAST KPHBS-026, PEDESTAL KBP-F250-I7 WITH INSTALLATION REINFORCEMENT KIT FOR ALUMINUM BEDS

SHIPPING WEIGHTS:

BOX 1 50 LBS BOX 2 18 LBS BOX 3 35 LBS BOX 4 [] LBS

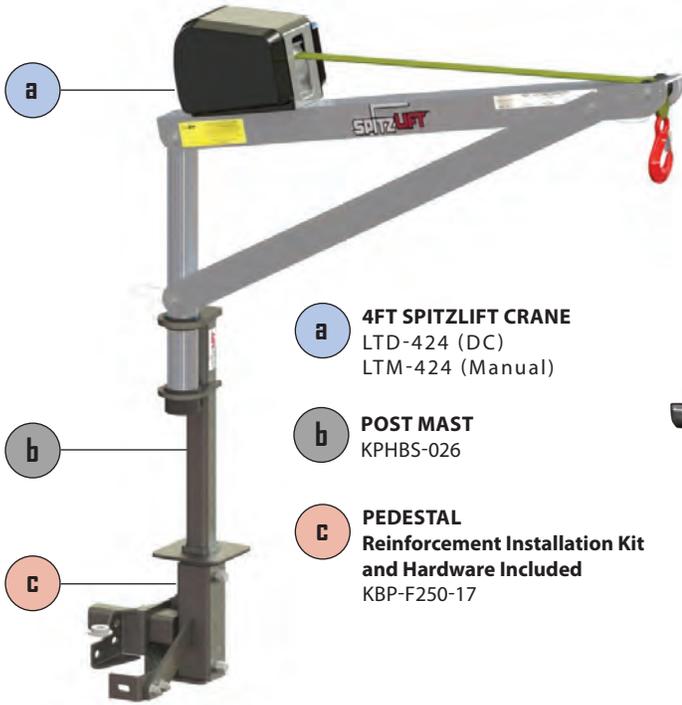
SPECIAL NOTES:

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SPITZLIFT PICKUP TRUCK PACKAGE - F250/350 (2017 FORWARD)

RIGHT SIDE (CURB SIDE) KBP-F250-17

DC (PICKUP OPTION 3) | MANUAL (PICKUP OPTION 3M)



- a** **4FT SPITZLIFT CRANE**
LTD-424 (DC)
LTM-424 (Manual)
- b** **POST MAST**
KPHBS-026
- c** **PEDESTAL Reinforcement Installation Kit and Hardware Included**
KBP-F250-17



4FT SPITZLIFT CRANE - DC POWERED OR MANUAL	SPECIFICATIONS
MAX LIFTING CAPACITY	900 LBS (408.2 KG)
MANUFACTURING STANDARDS	COMPLIANT WITH OSHA AND ASME STANDARDS
ROTATION	360°
WEBBING OR WIRE ROPE	20' (609.6 CM) 50' (1524 CM)
LIFTING SPEED	DC - 22'6" (6.858 M)/MIN (0.11/SEC)
DC PENDANT CONTROLLER	10' (304.8 CM)
INSTALLED WEIGHT	DC - APPROX. 71 LBS (36.3 KG) MANUAL - APPROX. 66 LBS (29.9 KG)
POWER REQUIREMENTS	12V DC @ 70 AMPS
STANDARD FINISH	CLEAR ANODIZED POWDER COATED
MATERIAL	AIRCRAFT GRADE ALUMINUM & STEEL
WARRANTY	3 YEARS LIMITED



DC Pendant Controller

PART#: 25559-REMOTE10HK
Length: 10' (304.8 CM)



DC Quick Connect

PART#: 24085-4
Length: 4' (121.9 CM)



DC Wiring Harness

PART#: 24049
Length: 25' (762 CM)



Reinforcement Kit

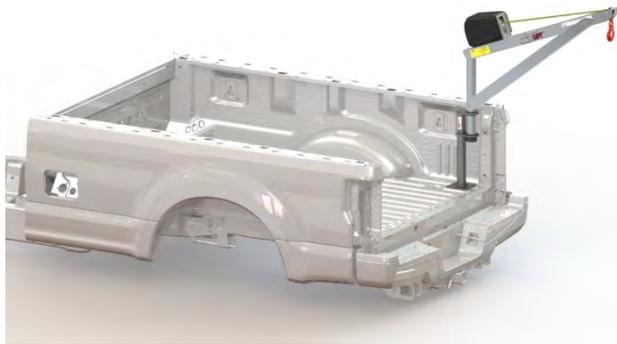
PART#: INCLUDED WITH PEDESTAL

*Manual Handcrank cranes available upon request.

SPITZLIFT PICKUP TRUCK PACKAGE – F250/350 (2017 FORWARD)

RIGHT SIDE (CURB SIDE)

MAX CAPACITY 900 / 408 KG

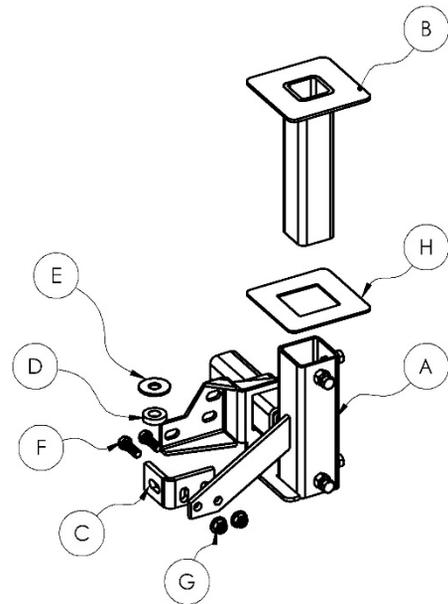


INSTALLATION GUIDE

DC OR MANUAL CRANE PEDESTAL INSTALLATIONS

Install on curb side only.

REF	Item Description	Qty
A	KBP-F250-15	1
B	RECEIVER, F250-17	2
C	BRACKET, F250-17-3	1
D	SPACER, 3/4" X .375 STEEL ZINC	1
E	WASHER, 3/4" ABRASION RESISTANT RUBBER	1
F	HEX HEAD BOLT, 1/2"-13 X 1.5, G5 ZINC	2
G	FLANGED HEX NUT, 1/2-13 NYLOC, ZINC	2
H	GASKET, 6X6 F250-17	1



DISCLAIMER: It is recommended that SpitzLift pedestals be professionally installed. SpitzLift is not responsible for the structural integrity of the mounting structure.

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

(Steps 1-4 are for locating positions for penetration through the bed floor)

Note: For production installation efficiency make a template for location after completing first installation.

Step 1.

- Remove 15/16" bolt for the receiver hitch mount from frame (**fig I-1**).
- Next, remove the 3 nuts attaching the bumper to the frame (**fig II-2**).

Step 2.

- Insert 2x2 square tube of the pedestal into the vehicle frame and align pedestal bracket with bumper bracket (**fig III**).
- Add spacers (**item D & E**) to the 15/16" bolt that was removed in step 1 and screw back into the frame (**fig IV**). Tighten the 3 nuts on the bumper mount and the 15/16" bolt with spacers.

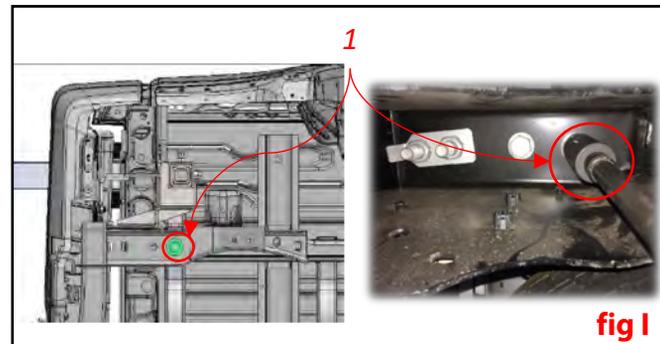


fig I

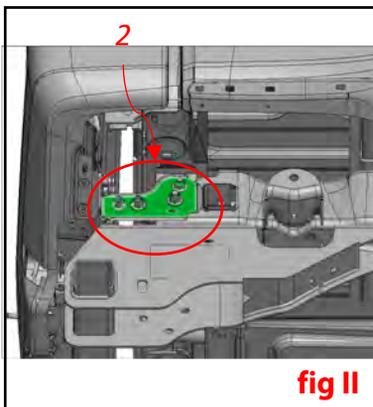


fig II

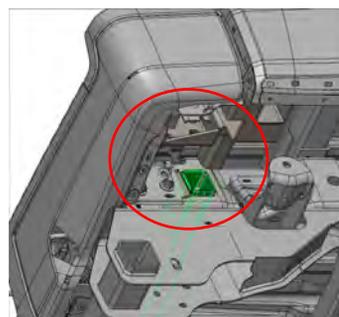


fig III

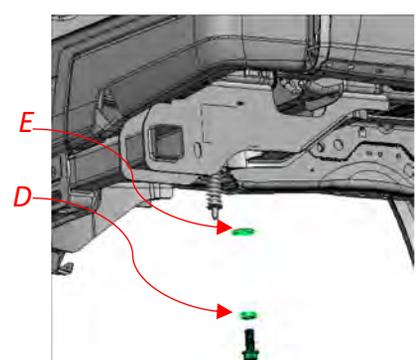


fig IV

SPITZLIFT PICKUP TRUCK PACKAGE – F250/350 (2017 FORWARD)

RIGHT SIDE (CURB SIDE)

MAX CAPACITY 900 / 408 KG



Step 3.

- Next, to attach the L bracket (**item C**) to support bar (**fig V**) remove the hex nut from the bumper mount on the vehicle. Place the L bracket over the bolt on the bumper and align the holes on the bracket with the holes on the support bar. Insert 2 qty 1 1/2" Bolts (**item F**), then add hex nuts (**item G**) and tighten.

Step 4.

- Mark the outside corner of the receiver pocket as indicated in (**fig VI**).
- Remove the mount and drill an 1/8" hole at the marked location.
- Using the 1/8" hole as a start point, draw a 3x3 square on top of the vehicle bed by using the die cut gasket (**item H**) as a templet (**fig VII**). Cut three sides and bend the tab down and back towards the vehicle cab (**see fig VIII-3 for sides to cut**).

Step 5.

- Re-insert the SpitzLift pedestal into location. Repeat steps 2 & 3, and torque to 75 ft-lbs.

Step 6.

- Insert Spitzlift receiver pocket (**item B**) down through the hole into the pedestal pocket below. Be sure the die cut gasket (**item H**) is placed between the mount flange and bed of the vehicle, as indicated (**fig X -4**).

Step 7

- Tighten the 4 qty set bolts provided from below the vehicle onto the pedestal to secure the receiver pocket (**fig XI -5**).

Step 8

- When mount has been successfully attached to the vehicle, ensure that everything is structurally sound. Insert the Post Mast into the pedestal. Assemble crane according to operations manual.

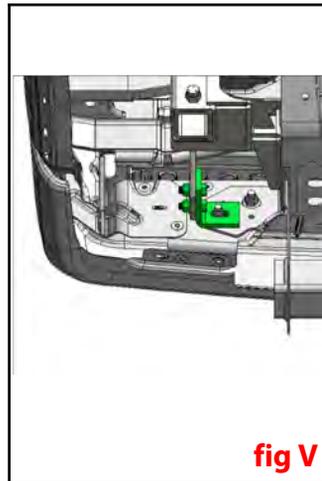


fig V



fig VI

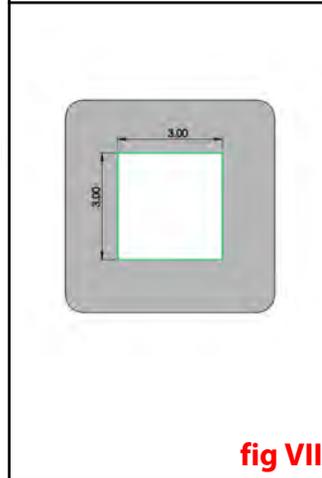


fig VII



3 fig VIII



fig IX

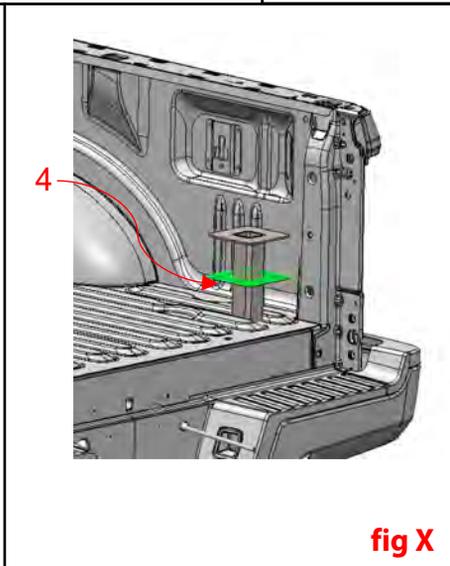


fig X

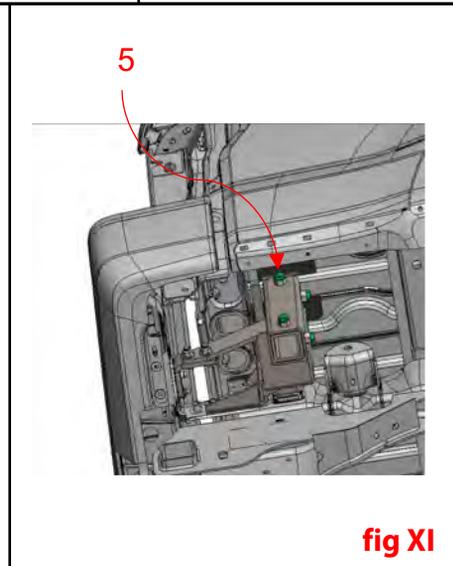


fig XI

SPITZLIFT PICKUP TRUCK PACKAGE – F250/350 (2017 FORWARD)

RIGHT SIDE (CURB SIDE)

MAX CAPACITY 900 / 408 KG



Step 9. SpitzLift Automotive Grade Wiring Harness Installation (For DC powered installations, supplied with SpitzLift DC cranes)

DC Wiring Harness components (SpitzLift PN#24049)

- 25 ft. power cable, 8 ft. ground cable
- #8 wire (600v rating UL Type MTW VW-1)
- 70amp (2 qty 35amp) circuit breakers (avg. current draw 50amps)
- Anderson (SB-50) connector



DC Wiring Harness

PART#: 24049
Length: 25' (762 CM)

- Run wiring harness along the chassis of the vehicle. Make certain that both lead wires are properly attached along chassis without sagging and are secured from being pinched.
- Use rubber grommets on any hole penetrations. Ensure that the cable does not contact any heat sources that could cause damage.
- Attach 8 ft. ground lead to chassis. Ensure ground connection is to bare metal, paint, or seal connection after termination
- Run positive 25 ft. lead, which includes automatic circuit breakers, and terminate to positive battery connector or to auxiliary lug.
- Position power supply connector for plugging the SpitzLift extension power cord (4 ft. standard length **SpitzLift PN#24085-4**) onto the side wall in a location that is unobstructed within 2' of the SpitzLift power unit (**fig XII-6**).

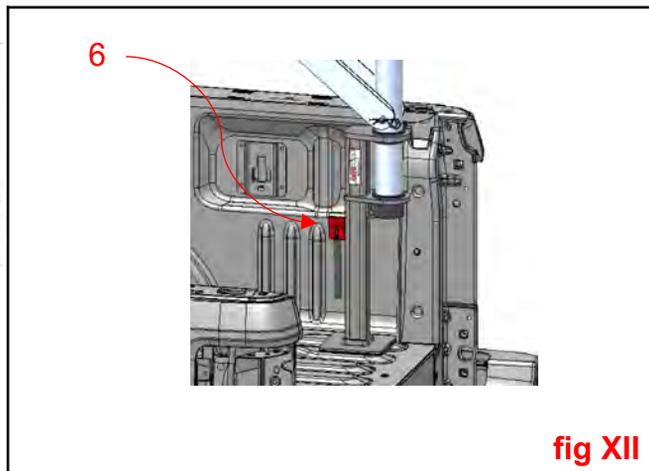


fig XII

Step 10.

Insert SpitzLift into the pedestal and perform recommended load test. 125% of max capacity.

Step 11. (Securing crane for travel)

- Crane must face to the front of vehicle to reduce wind chatter.
- Utilize or install a tie down for locking crane into travel position (**fig XIII-7**).
- Fasten the hook to the tie down, Reel in the strap to add enough tension to secure the crane. The crane will flex about an inch, indicating that it is secure.
- Then, disconnect the power supply for transport and when crane is not in use.

Note: If crane continues to chatter, tighten the strap a little more. Caution - do not over tighten.

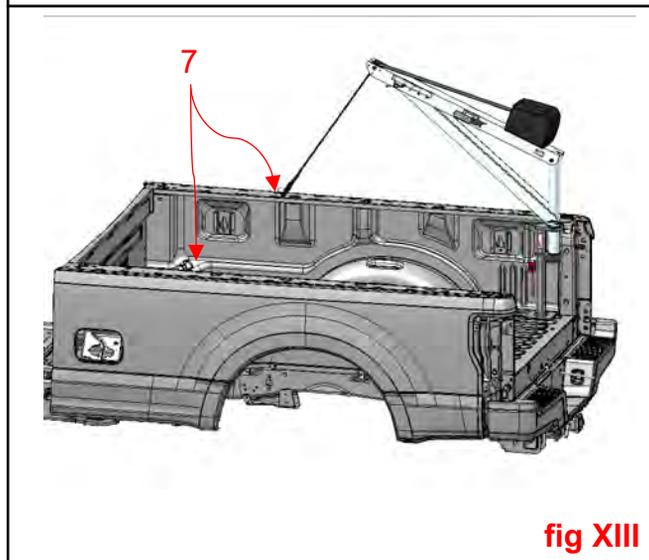


fig XIII

Step 12.

Unplug power cord for travel and when crane is not in use.