SMART JACK™

OWNER'S MANUAL

LIPPERT COMPONENTS®

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Introduction

The Aftermarket Smart Jack features a high-efficiency motor, a new streamlined plastic shroud, and a new user interface. These features, along with the single power lead and the hitch height memory, give the end user a perfect reason to replace the traditional tongue jack with a far superior product.

Safety Requirements

Warning, Caution and Danger symbols indicate that an installation procedure has a safety risk involved and may cause death, serious injury or property damage if not performed safely and within the parameters set forth in this manual. Always wear eye protection when performing this installation procedure. Other safety equipment to consider would be hearing protection, gloves, and possibly a full face shield, depending on the nature of the installation procedure.

⚠WARNING

Failure to act in accordance with the following may result in death, serious injury or property damage.

⚠CAUTION

Moving parts can pinch, crush or cut. Keep clear at all times.

⚠WARNING

Lifting the unit off of the ground so that the unit's wheels are not touching the ground will create an unstable and unsafe condition. Severe property damage, serious injury or death could occur. Keep people and pets clear of the unit and work area while operating the leveling system.

Preparation

Be sure to park the unit on solid, level ground. Clear all jack landing locations of debris and obstructions. Locations should also be free of depressions. When parking the unit on extremely soft surfaces, utilize load distribution pads under each jack. Make sure tires are chocked.

Powered Operation

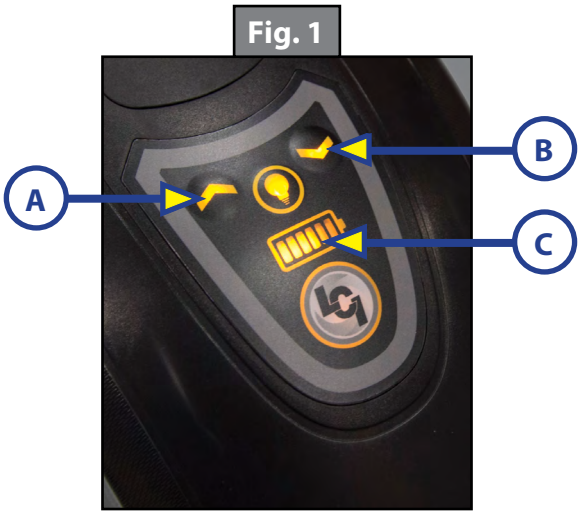
The hitch height **MUST** be set in the memory prior to normal operation of the Smart Jack. If the hitch height is not set in the memory, the Smart Jack and trailer will not function as intended.

NOTE: The battery indicator light (Fig. 1C) flashes or oscillates to validate certain functions of the Smart Jack. The light also displays the remaining battery charge of the trailer.

Setting Hitch Height Memory

1. Press and hold the up arrow (Fig. 1A) and down arrow (Fig. 1B) at the same time for a minimum of five seconds to store the vertical position of the Smart Jack.
2. The battery indicator lights (Fig. 1C) will flash five times to show that the new position has been successfully stored in memory.

Fig. 1



Normal Operation

1. Press and hold the up arrow (Fig. 1A) to extend the Smart Jack.
2. Press and hold the down arrow (Fig. 1B) to retract the Smart Jack.

Return to Hitch Height Operation

1. Press and release the up arrow (Fig. 1A) and the down arrow (Fig. 1B) at the same time 3 times, holding on the 3rd time for several seconds until the jack engages and the indicator light oscillates back and forth.
2. The Smart Jack will automatically extend or retract to the original hitch height position stored in the memory.

NOTE: Visual indication that the jack is actuating to the hitch height is seen through the oscillation of the battery indicator lights (Fig. 1C) (e.g., lights will illuminate left to right, and then right to left). Battery indicator light oscillation will continue until the original hitch height is achieved.

3. To cancel an action, press either the up arrow or down arrow. The action in progress will stop.

Auto Retract Operation

NOTE: This function should only be operated once the tow vehicle has been reconnected and secured to the trailer prior to travel.

1. Press and release the down arrow three times (Fig. 1B), holding on the 3rd time until the jack engages and the battery indicator light oscillates back and forth.

Manual Operation

If 12V DC power is unavailable to operate the Smart Jack, use the following directions to manually operate the Smart Jack.

Unhitching From Tow Vehicle

1. Chock the tires of the trailer.
2. Be sure the footpad (Fig. 2A) of the Smart Jack is pinned securely in place with the Clevis Pin (Fig. 2B) and Hairpin Cotter Pin (Fig. 2C).
3. Make sure the ground surface under the Smart Jack footpad is firm and level.
4. Remove the manual drive shaft plug (Fig. 3A) on top of the Smart Jack's gearbox.
5. Insert the manual crank handle (Fig. 4) onto the manual drive shaft.
6. Turn the crank handle clockwise to extend the jack until the trailer is supported and the coupler clears the tow vehicle's hitch ball.
7. Move the tow vehicle a safe distance away from the trailer.
8. Turn the crank handle either direction as needed until front of the trailer is level.
9. Remove the crank handle (Fig. 4) from the manual drive shaft.
10. Reinsert the manual drive shaft plug (Fig. 3A).

Fig. 2

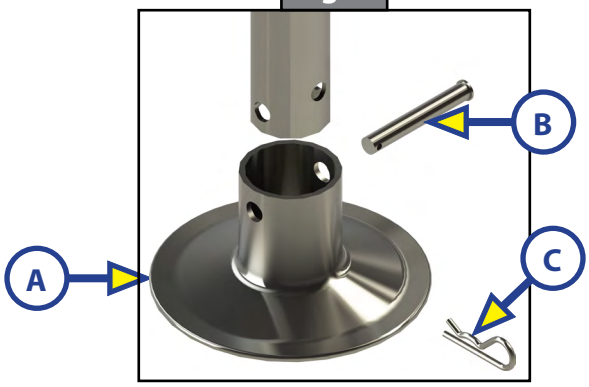


Fig. 3



Fig. 4



Hitching to Tow Vehicle

1. Chock the tires of the trailer.
2. Be sure the footpad (Fig. 2A) of the Smart Jack is pinned securely in place with the Clevis Pin (Fig. 2B) and Hairpin Cotter Pin (Fig. 2C).
3. Remove the manual drive shaft plug (Fig. 3A) on top of the Smart Jack's gearbox.
4. Insert the manual crank handle (Fig. 4) onto the manual drive shaft.
5. Turn the crank handle counterclockwise until the coupler properly mounts the hitch ball and the leg of the Smart Jack is fully retracted.

NOTE: The crank handle may need to be initially turned clockwise to extend the jack to clear the hitch ball prior to retracting the jack.

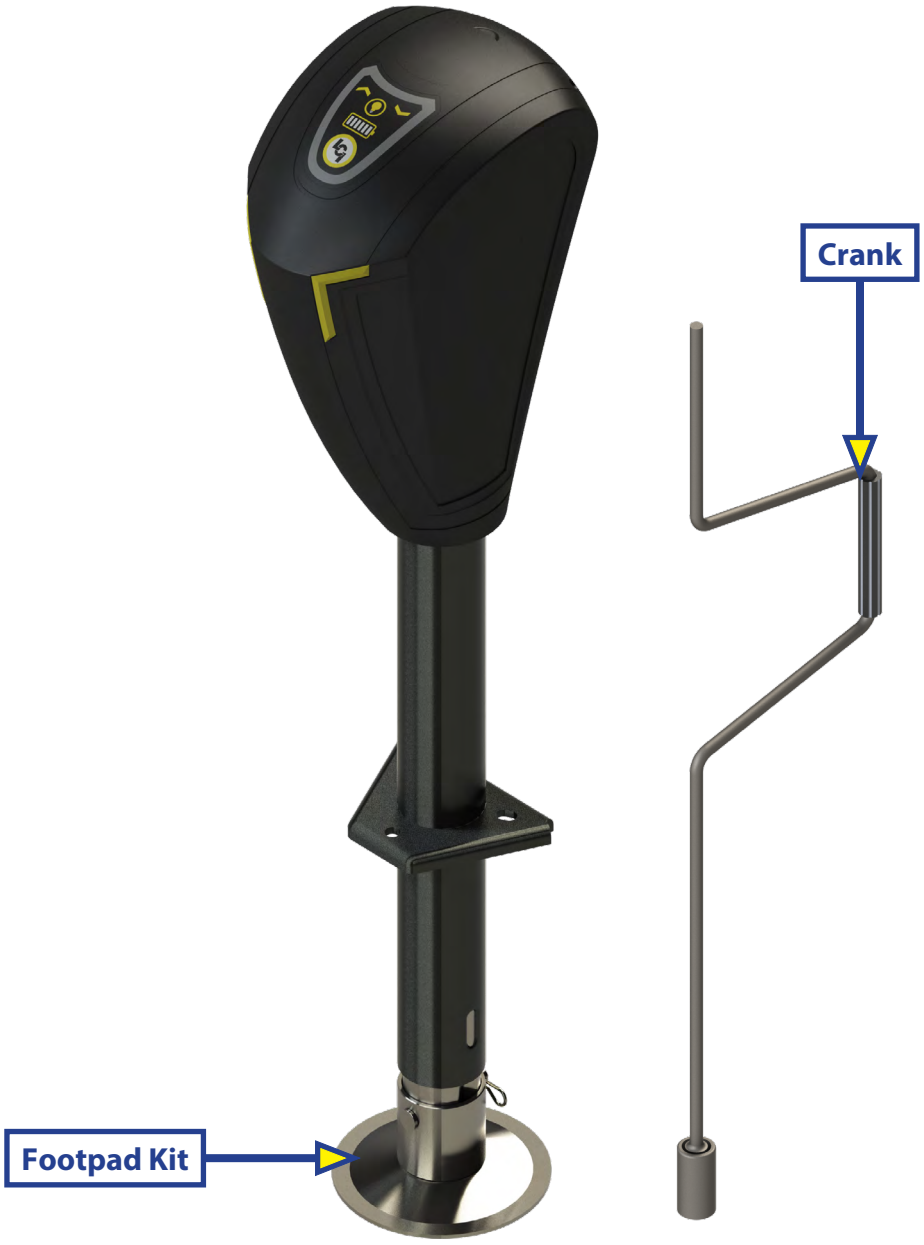
6. Remove the crank handle (Fig. 4) from the drive shaft.
7. Reinsert the manual drive shaft plug (Fig. 3A).

NOTE: Make sure the leg of the Smart Jack is fully retracted before moving the tow vehicle.

SMART JACK OEM ASSEMBLY

LEVELING AND STABILIZATION

Smart Jack OEM Kit - Part #426514



SMART JACK AFTERMARKET ASSEMBLY

LEVELING AND STABILIZATION

Smart Jack Aftermarket Kit - Part #431423



SMART JACK COMPONENTS

LEVELING AND STABILIZATION



Callout	Part #	Description
A	431423	Smart Jack **(Aftermarket Kit)**
B	426514	Smart Jack **(OEM Kit)**
C	405217	Footpad **(Aftermarket Kit)**
D	165253	Footpad **(OEM Kit)**
E	379674	Snapper Pin **(Aftermarket Only)**
F	285324	Crank
G	117919	Bolt
H	382844	Clevis Pin **(OEM Only)**
I	178168	Hairpin Cotter Pin **(OEM Only)**



LIPPERT COMPONENTS®

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