



# Schwintek Motorized TV Lift

## Installation and Owner's Manual

(For Aftermarket Applications)

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### Motorized TV Lift Aftermarket Kit

| Part #                 | Description       |
|------------------------|-------------------|
| <a href="#">309690</a> | Motorized TV Lift |



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## Introduction

The Schwintek Motorized TV Lift is a great way to save on counter space and an impressive way to display TV. The lightweight system is easy to install and program, and smart technology shuts the motor off in case of obstruction.

Features:

- Patented worm rail design efficiently moves TV up and down
- Easy one-button programming in under one minute

Additional information about this product can be obtained from [lci1.com/support](http://lci1.com/support) or by using the LippertNOW app. Replacement kits can be ordered from <https://store.lci1.com/> or by using the LippertNOW app.

The LippertNOW app is available for free on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.

App Store® and iPad® are registered trademarks of Apple Inc.

Google Play™ and Android™ are trademarks of Google Inc.

## Safety

Read and fully understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the Lippert limited warranty.

### WARNING

THE "WARNING" SYMBOL ABOVE IS A SIGN THAT A SAFETY RISK IS INVOLVED AND MAY CAUSE DEATH, SERIOUS PERSONAL INJURY AND/OR SEVERE PRODUCT OR PROPERTY DAMAGE IF NOT SAFELY ADHERED TO AND WITHIN THE PARAMETERS SET FORTH IN THIS MANUAL.

### WARNING

FAILURE TO FOLLOW THE INSTRUCTIONS PROVIDED IN THIS MANUAL MAY RESULT IN DEATH, SERIOUS PERSONAL INJURY, SEVERE UNIT DAMAGE OR VOIDING OF THE COMPONENT WARRANTY.

### CAUTION

THE "CAUTION" SYMBOL ABOVE IS A SIGN THAT A SAFETY RISK IS INVOLVED AND MAY CAUSE PERSONAL INJURY AND/OR PRODUCT OR PROPERTY DAMAGE IF NOT SAFELY ADHERED TO AND WITHIN THE PARAMETERS SET FORTH IN THIS MANUAL

### CAUTION

ALWAYS WEAR EYE PROTECTION WHEN PERFORMING SERVICE OR MAINTENANCE TO THE UNIT. OTHER SAFETY EQUIPMENT TO CONSIDER WOULD BE HEARING PROTECTION, GLOVES AND POSSIBLY A FULL FACE SHIELD, DEPENDING ON THE NATURE OF THE SERVICE.

### CAUTION

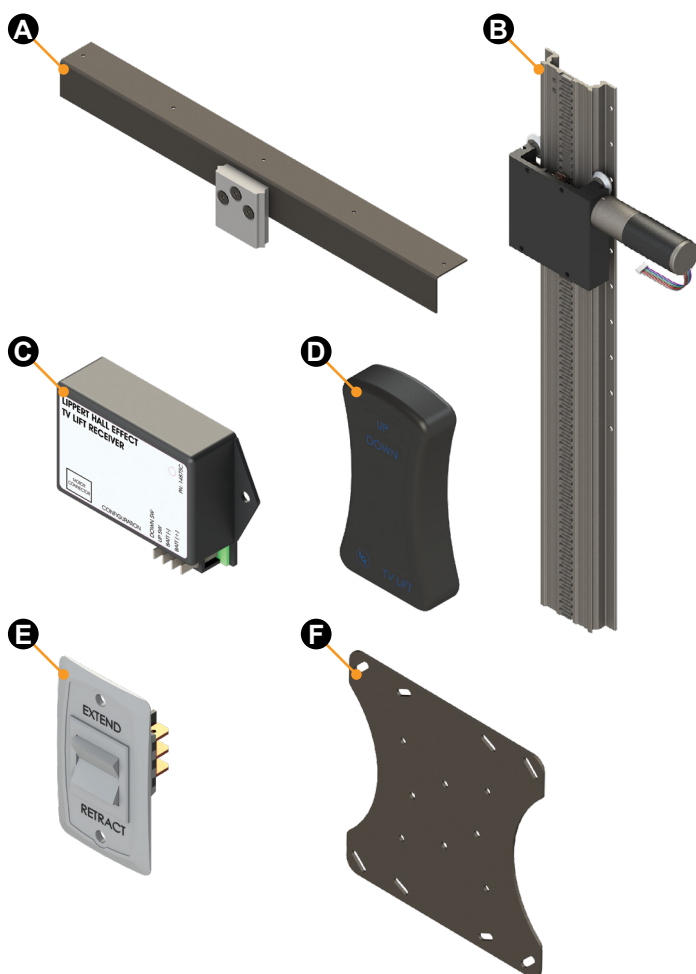
MOVING PARTS CAN PINCH, CRUSH OR CUT. KEEP CLEAR AND USE CAUTION.



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## Parts List

**NOTE:** Part numbers are shown for identification purposes only. Not all parts are available for individual sale. All parts with a link to the Lippert Store can be purchased.



| Letter | PN                     | Description                  | Qty |
|--------|------------------------|------------------------------|-----|
| A      | <a href="#">260992</a> | Cabinet Top Transition Piece | 1   |
| B      | <a href="#">252208</a> | TV Lift Assembly Rack        | 1   |
| C      | <a href="#">253395</a> | TV Lift Controller           | 1   |
| D      | <a href="#">245701</a> | Radio Frequency Remote       | 1   |
| E      | <a href="#">199082</a> | TV Lift Switch               | 1   |
| F      | 193925                 | 9" x 9" TV Plate             | 1   |

## Resources Required

- Cordless or electric drill or screw gun
- #10 Phillips pan head screws
- Appropriate drill bits
- Phillips screwdriver
- Appropriate drive bits
- ¼" Spade-type electrical connectors

## Prior to Installation

Read the manual in its entirety and review all components and understand how the TV Lift is assembled. The Cabinet Top Transition Piece (A) will fit in the TV Lift Assembly Rack (B) and the counter material will be fastened to the top. Once established this will be the approximate location of the bearing block fastening point. The bearing block needs to be located high enough to accommodate the counter top setting flush, but not so low that the TV does not extend all the way up.

**NOTE:** The maximum weight capacity for the installed Motorized TV Lift is 75 lbs.

**NOTE:** Cabinet modification is at the customer's discretion. Installing an aesthetic piece on top of the cabinet top transition piece (A) is also at the customer's discretion.

## Installation

1. Make sure the unit is level.
2. Locate the four pre-drilled holes in the bearing block (Fig.1A). Using #10 screws, mount the bearing block with motor (Fig.1B) to solid backer, centered within cabinet.

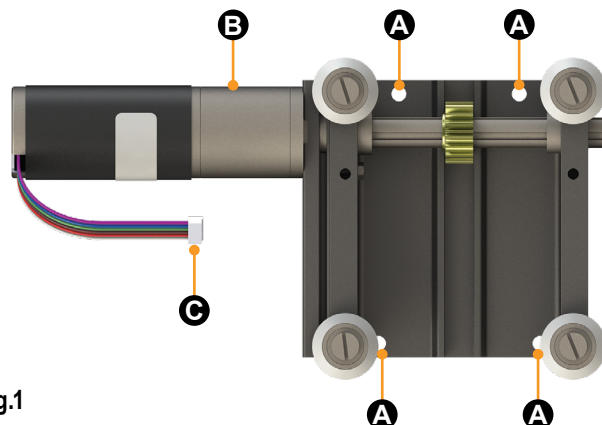


Fig.1

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3. Mount TV lift controller (Fig.2) close to end of motor wire harness (Fig.1C) using two #10 screws in the pre-drilled locations (Fig.2B).

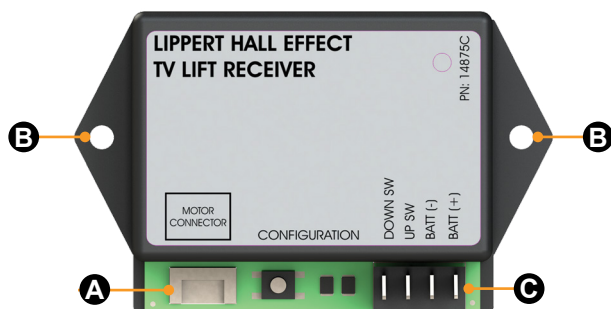


Fig.2

A. Plug motor control wires (Fig.1C) into TV lift controller (Fig.2A).

B. Attach the power, ground and switch wires with 1/4" spade type connectors (Fig.2C). See the Wiring Diagram section for proper wiring.

**NOTE:** The wire harness-to-battery and switch are customer-supplied items. Harness wires must be 10 AWG minimum. Also, 30 amp circuit protection should be installed on the power lead wire between the battery and the controller. See the Wiring Diagram section.

4. Mount included TV plate (Fig.3A) to the back of the TV (Fig.3B) using customer-supplied hardware.

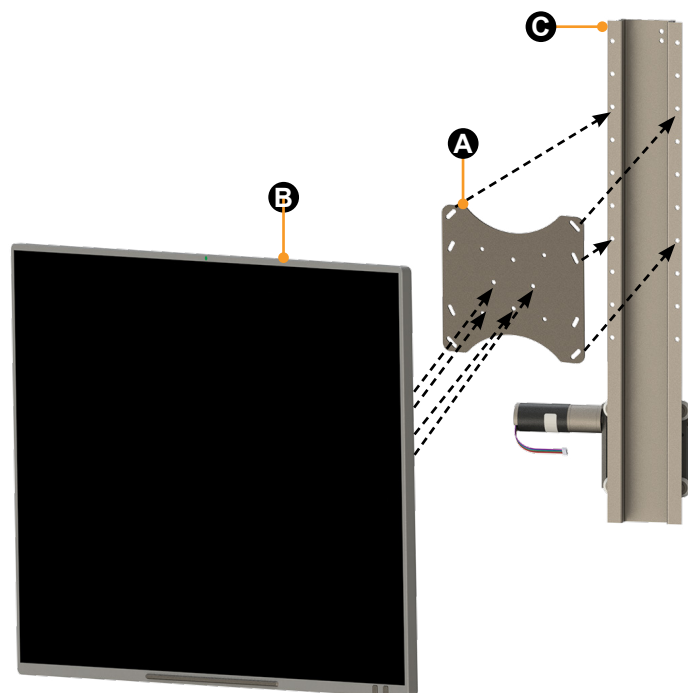


Fig.3

5. Mount the TV assembly to the lift assembly rack (Fig.3C) using customer supplied hardware into the pre-drilled holes in the lift assembly.

**NOTE:** The amount of hardware used and the placement of screws in the pre-drilled holes in the TV plate and lift assembly will vary depending on the model of TV. Flip the TV plate (Fig.3A) horizontal or vertical to accommodate installation to the TV. Make sure the TV is secure to the TV plate and the TV assembly is secure to the lift assembly rack. The top of the TV (Fig.3B) should not exceed the top of the lift assembly rack (Fig.3C).

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**6.** Insert the assembled lift assembly rack (Fig.4A) into the bearing block (Fig.4E) by aligning the V-grooves (Fig.4B) in the lift assembly rack to the V-rollers (Fig.4D) in the bearing block (Fig.4E).

**A.** Insert the assembled rack (Fig.4A) until the gear in the bearing block comes into contact with the serpentine groove of the rack (Fig.4C).

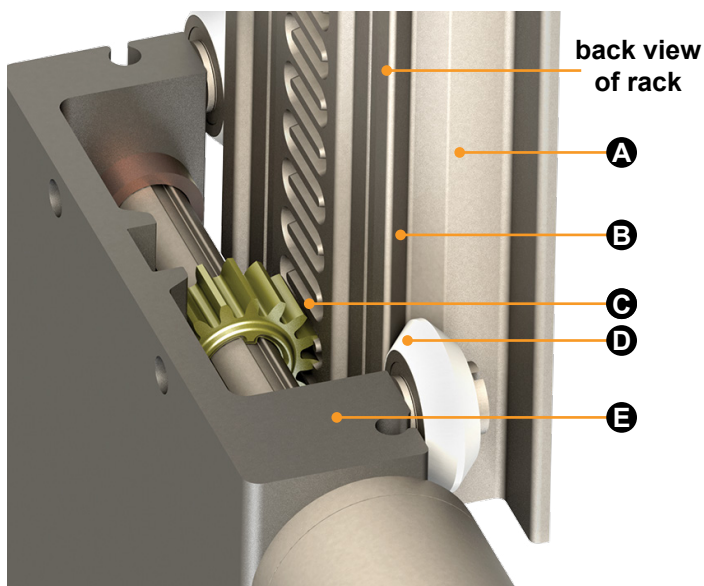


Fig.4

**B.** Press the switch's RETRACT button (Fig.5B) until the lift assembly is fully inserted into the bearing block.

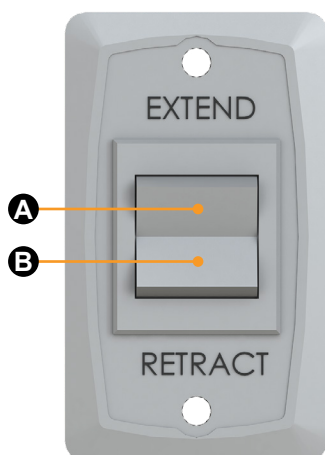


Fig.5

**7.** Mount the cabinet top transition piece onto the lift assembly rack.

**A.** Place the block (Fig.6A) of the transition piece (Fig.6B) into the grooves of the assembled rack (Fig.6C).

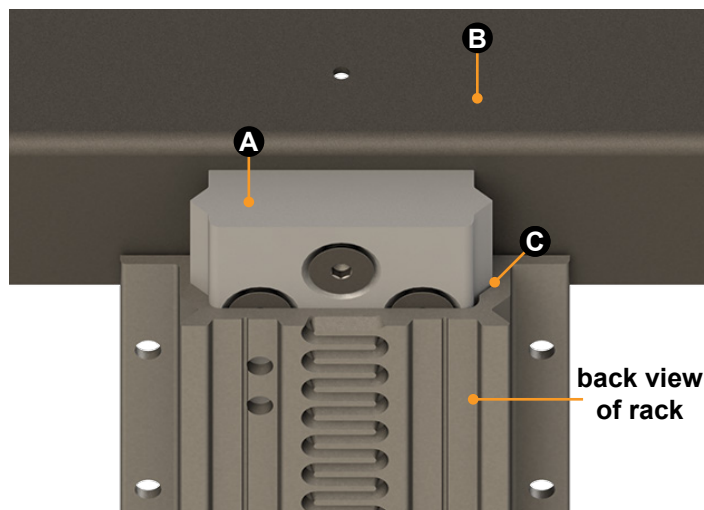


Fig.6

**B.** Locate the two holes at the top of the assembled rack (Fig.7A). Use two self tapping screws to secure the block to the rack.

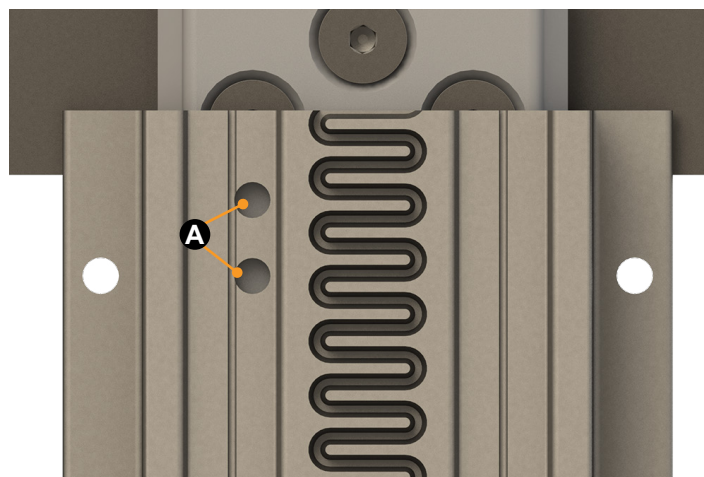


Fig.7

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## Programming

To enter programming mode, press and hold the white CONFIGURATION button (Fig.8A), located on the control, for five seconds. The control's green LED (Fig.8B) will flash and its red LED (Fig.8C) will light up solid.

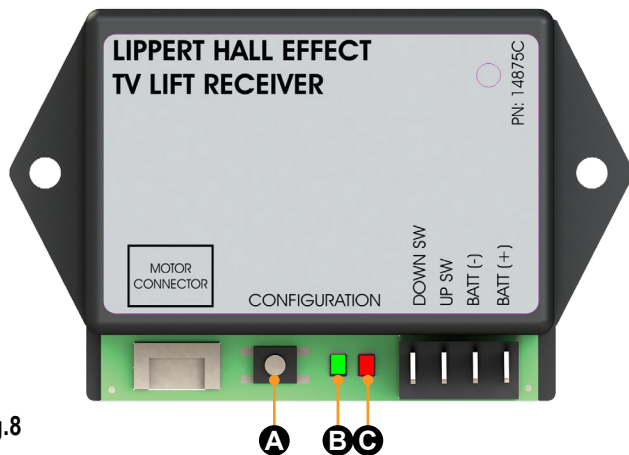


Fig.8

### Setting the Extend and Retract Limits

1. To set the lower electronic stop, press and hold the switch's RETRACT button (Fig.10B) to lower the TV into the desired position, then press the control's white Configuration button once (Fig.8A).
2. To set the raised electronic stop, press and hold the switch's EXTEND button (Fig.10A) to raise the TV into the desired position, then press the control's white Configuration button once.
3. Test the receiver's programming by lowering and raising (retracting and extending) the TV.

### Sync Remote, if Included

1. Locate white Configuration button (Fig.8A).
2. Press the button two times and hold on the third time.
3. The green LED (Fig.8B) and the red LED (Fig.6C) will alternately flash.
4. Hit any button on the remote (Fig.7).
5. The green LED (Fig.6B) and the red LED (Fig.6C) will flash at the same time, then stop.
6. The remote is now synced.

## Operation

1. To raise the TV, press and release the switch's UP button on the remote (Fig.9A) or press and release the EXTEND button on the switch (Fig.10A) until the TV lift is fully raised into position.
2. To lower the TV, press and hold the switch's DOWN button on the remote (Fig.9B) or press and hold the RETRACT button on the switch (Fig.10B) until the TV is fully lowered into the cabinet.

**NOTE:** For safety purposes, the switch will need to be held until lowered to the preset stop limit.



Fig.9

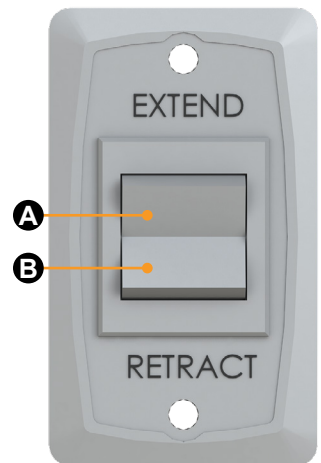


Fig.10

### TV and Rack Removal from Lift

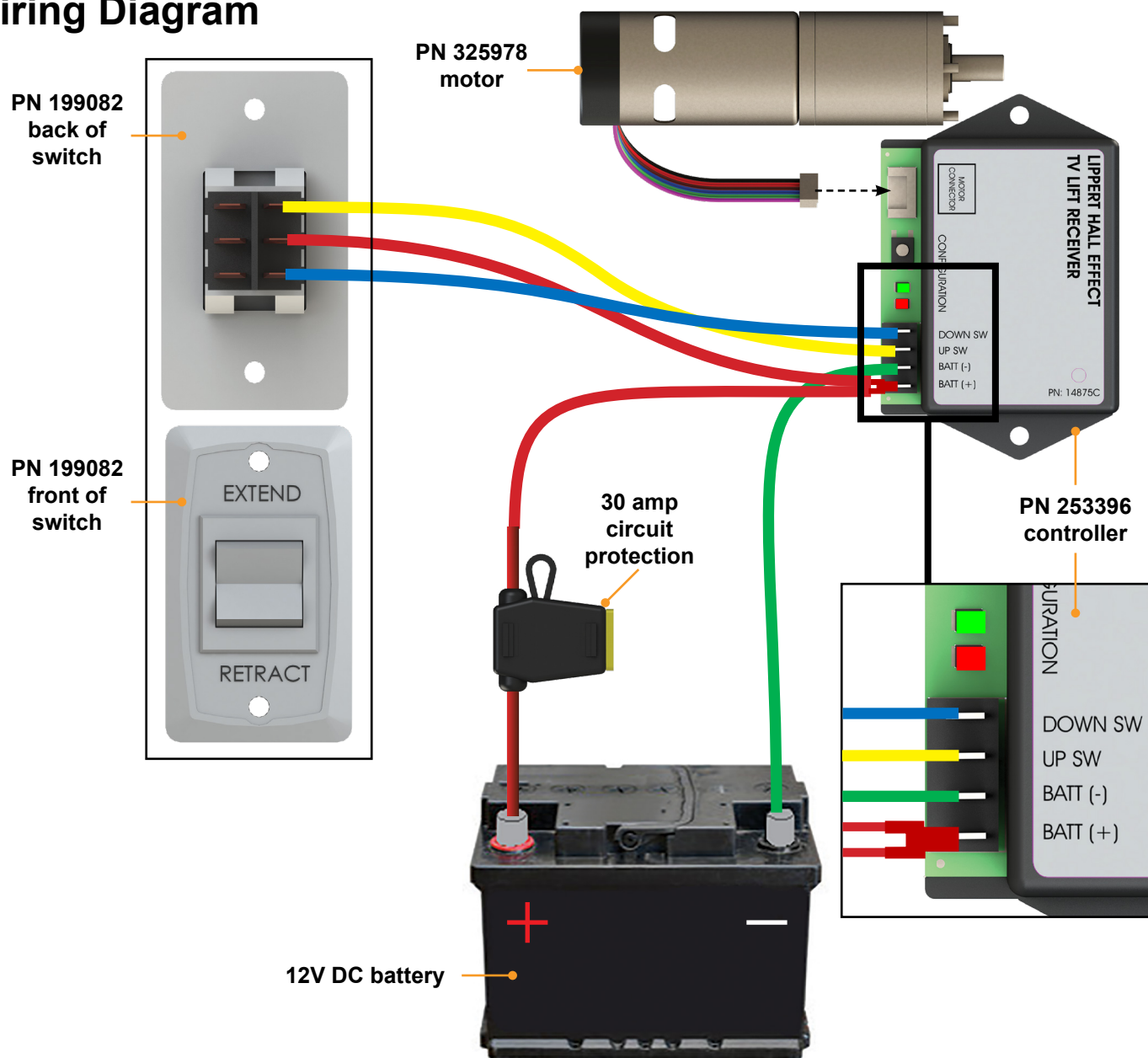
To remove the TV and rack out of the lift unit, do as follows:

1. Press and hold the control's white CONFIGURATION button (Fig.8A) for five seconds.

**NOTE:** The control's red LED (Fig.8C) will light up solid and the green LED (Fig.8B) will flash.

2. Press and hold the switch's EXTEND button (Fig.10A) until the rack and TV are fully raised so they can be removed from the system.

### Wiring Diagram



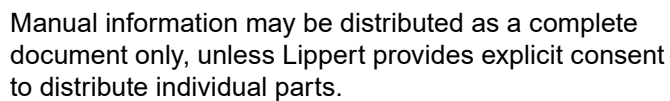
| Switch               | Controller | Circuit Protection | 12V DC Battery        |
|----------------------|------------|--------------------|-----------------------|
| Top Pin (EXTEND)     | UP SW      |                    |                       |
| Middle Pin (Power)   | BATT (+)   | 30 Amp             | Positive (Red) Post   |
| Bottom Pin (RETRACT) | DOWN SW    |                    |                       |
|                      | BATT (-)   |                    | Negative (Black) Post |



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Follow proper safety practices. If in doubt, consult a professional RV technician.