



SCHWINTEK TV LIFT (AU) OEM INSTALLATION MANUAL

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Introduction

The Schwintek TV Lift is designed with a maximum operating weight rating of 34 kg (75 lb). Do **NOT** exceed the maximum operating weight rating.

Safety Information

Read all instructions and safety labels before starting product installation.

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.

WARNING

The unit MUST be supported per manufacturer's recommendations before working underneath. Failure to do so may result in death or serious personal injury.

WARNING

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.

CAUTION

Do NOT exceed the 34 kg (75 lb) operating weight rating or damage to the product may occur.

Resources Required

- Cordless or electric drill or screw gun
- Appropriate drill bits
- Appropriate drive bits
- #10 Phillips pan head screws
- Phillips screwdriver
- 1/4" Spade-type electrical connectors

Installation

1. Make sure the unit is level.
2. Mount bearing block with motor (Fig. 1) to solid backer, centered within cabinet, using #10 screws.
3. Mount TV lift controller close to end of motor using #10 screws.
 - A. Plug motor control wires into controller (Fig. 2).
 - B. Attach the power, ground and switch wires with 1/4" spade type connectors (Fig. 7).

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 figure 7.

4. Mount included TV plate to the back of the TV and the rack.
 - A. Insert rack into bearing block by aligning the V-grooves in the rack to the V-rollers in the bearing block.

Fig. 1

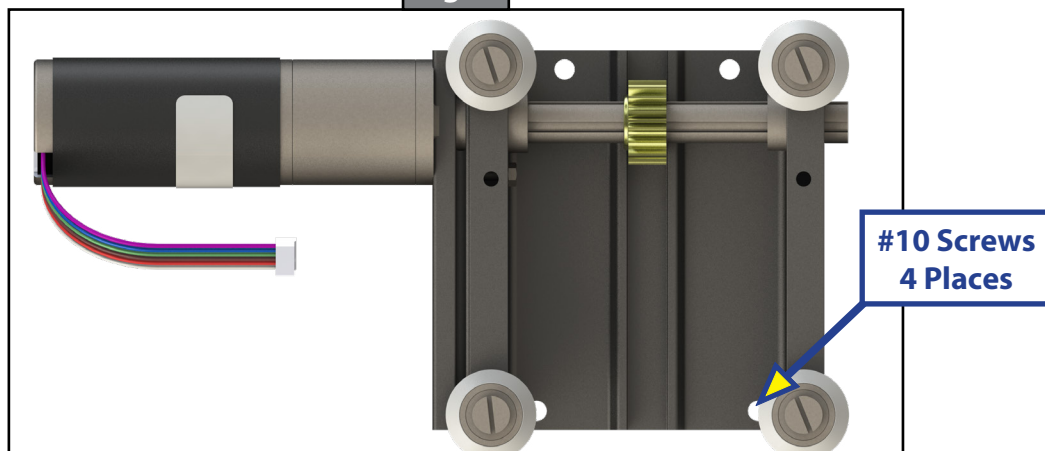
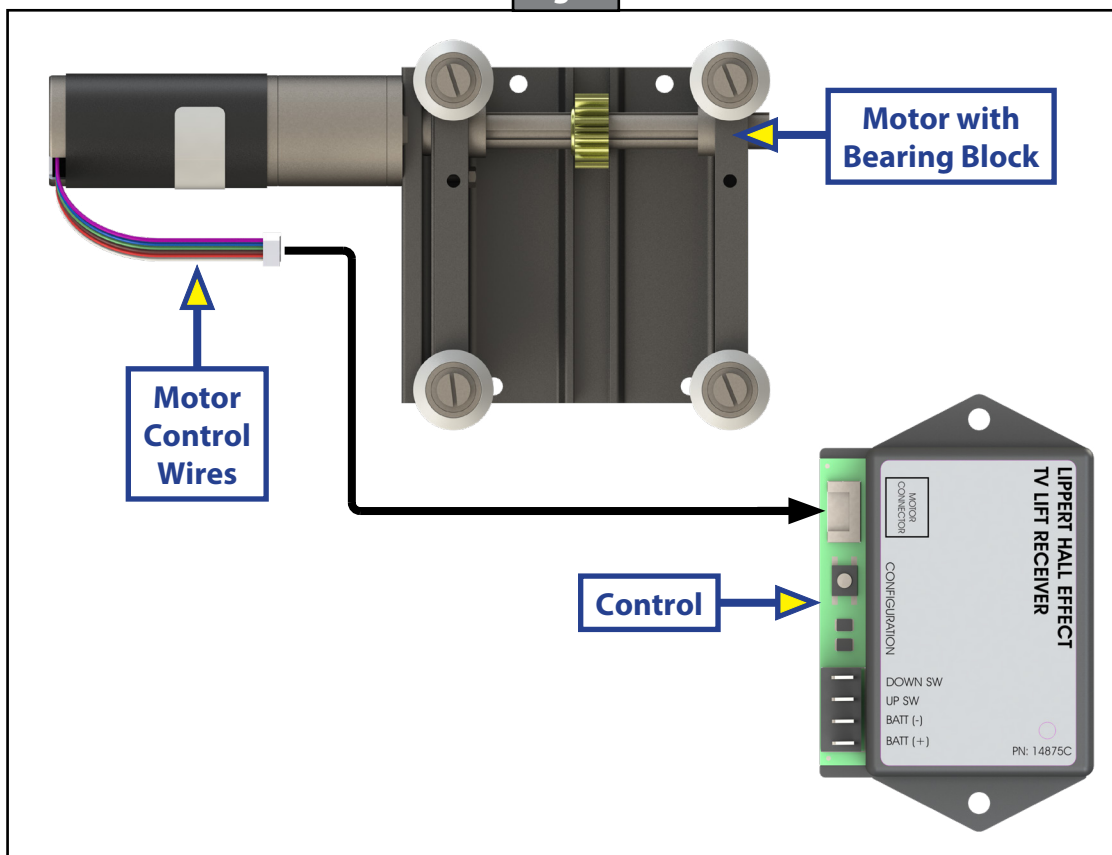


Fig. 2



- A. Insert rack until the gear in the bearing block comes into contact with the serpentine groove of the rack (Fig. 3).
 - B. Press the switch's RETRACT button (Fig. 4) until the rack is fully inserted into the bearing block.
8. Mount the cabinet top angle transition plate onto the rack (Fig. 5).

Fig. 3

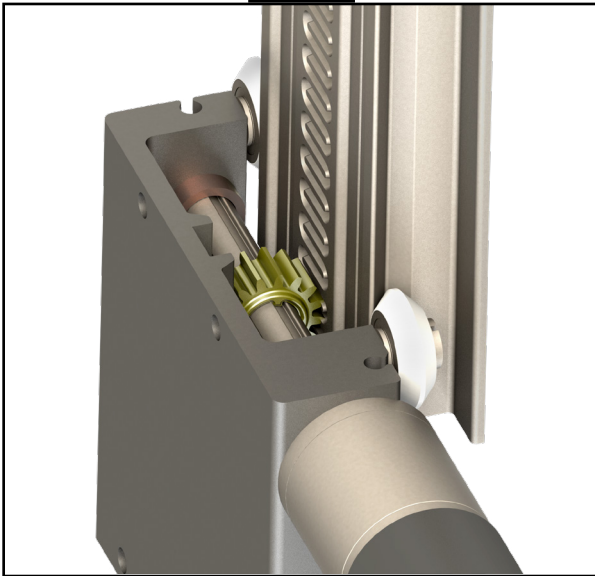


Fig. 4

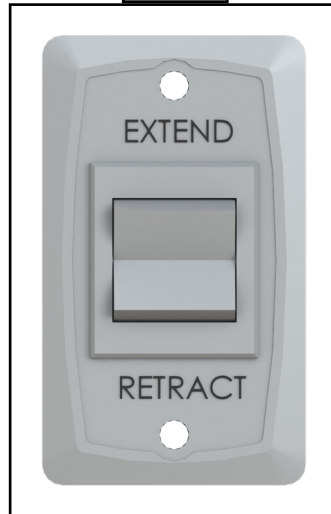
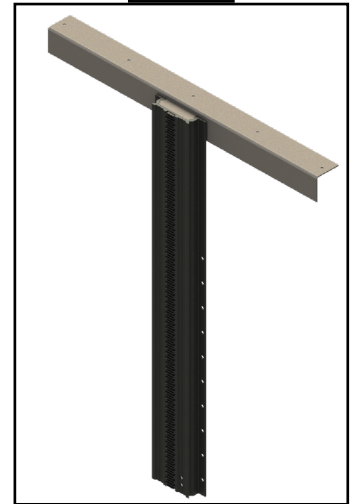


Fig. 5

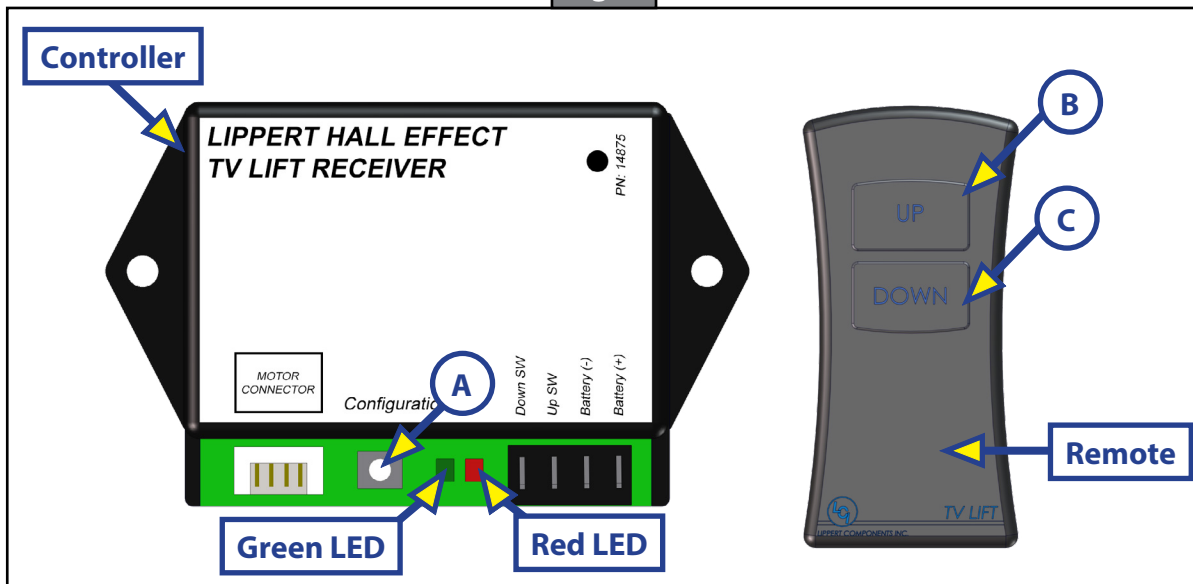


Programming

Programming the Extend and Retract Stops

5. To enter programming mode, hold the Configuration button (Fig. 6A) for five seconds.

Fig. 6



NOTE: The green LED will flash, and the red LED will light up solid.

6. Set the extend limit by holding the UP button (Fig. 6B) on the remote (or EXTEND on the wall switch) and stopping at the desired height.
7. Press the Configuration button (Fig. 6A) to set the extend limit.

NOTE: The red LED will flash, and the green LED will light up solid or turn off.

9. Set the retract limit by holding the DOWN button (Fig. 6C) on the remote (or RETRACT on the wall switch) and stopping when the TV is fully lowered into the cabinet.
 10. Press the Configuration button (Fig. 6A) to set the retract limit.
- NOTE:** Both LEDs will blink for 3 seconds and then the receiver will exit programming mode. The stops are now set.
- NOTE:** If the LEDs continue to flash, reprogram the stops by going through steps 2-5.

Syncing the Remote to Receiver

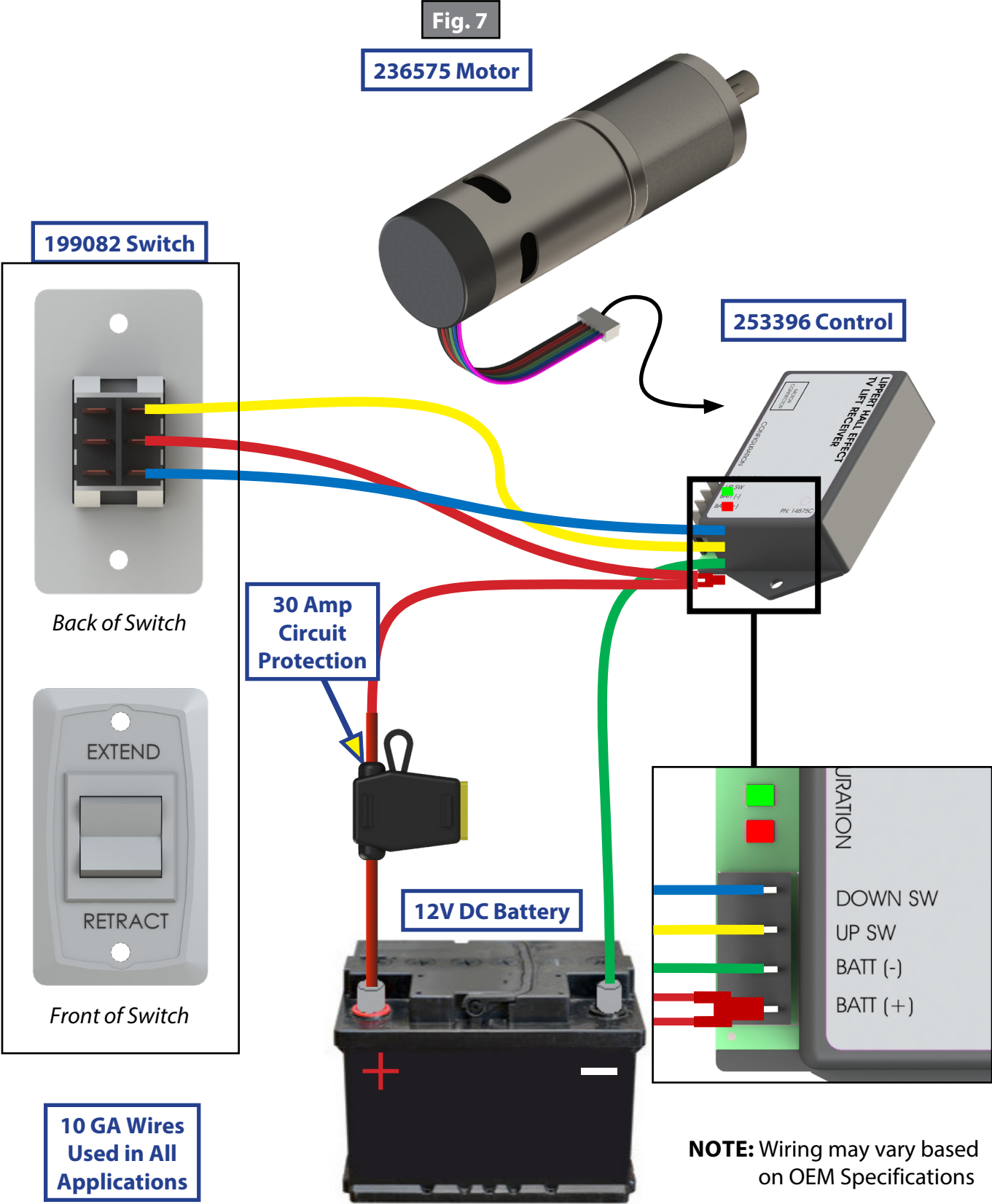
1. Push the Configuration button (Fig. 6A) on the receiver three times and hold on the third.
2. Green and red LEDs will flash back and forth (Fig. 6).
3. Push any button on remote (Fig. 6).
4. When the remote is synced, green and red LEDs will flash back and forth again and then shut off.

Operation

1. To raise the TV, press and hold the Up button (Fig. 6B) until the TV lift is fully raised into position.
2. Press the Down button (Fig. 6C) once and release to lower the TV. The TV lift will lower the TV into the cabinet with "One Touch" operation of the remote.

NOTE: Refer to [TI-428](#) for error codes.

Wiring Diagram



Switch	Control	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

Notes

[illegible]



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