F.A.S.T. TRACK® SLIDE-OUT

OWNER'S MANUAL

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System Information

The F.A.S.T. (Fast Assembly Self Tensioning) Track® Slide-out is a cable-driven system that is operated by a 12V DC electric motor. The system is designed to actuate rooms up to 2,000 pounds and 40" of stroke. Room slide-out systems rated for higher weight or longer strokes can be obtained. Please contact Lippert for application assistance.

Additional information about this product can be obtained from lci1.com/support or by downloading the free LippertNOW app. The app is available on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.
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Major Components

- Vertical column that mounts into the side wall opening
- Horizontal cables that actuate the room
- A 12V DC gear motor that operates the room using power from the battery
- A specially designed control box that gives the user full control of room movement. The control box has programmable stops. When programmed, the stops limit extend and retract and have the ability to detect faults for ease in troubleshooting.
- Harnesses to connect the rocker switch and motors to the control box

Safety Information

⚠WARNING

The F.A.S.T. Track Slide-out is intended for the sole purpose of extending and retracting a slide-out room. Its function should not be used for any other purpose. To use the system for any purpose other than its original design may result in death, serious personal injury, severe product or unit damage.

⚠WARNING

Failure to act in accordance with the following may result in death, serious personal injury, sever product or unit damage.

Prior to Operation

1. To optimize slide-out actuation, the unit **MUST** be parked on solid, level ground.
2. Inspect all connections at the controller and verify they are securely attached.
3. Verify there are no obstructions that could hinder normal movement of the slide-out room.
4. Make sure there is ample voltage being supplied to the slide-out controller.
5. Set the parking brake, if applicable.
6. The ignition of the unit **MUST** be turned off in order to operate the slide-out system, if applicable.

⚠WARNING

Failure to act in accordance with the following may result in death, serious personal injury, severe product or unit damage.

⚠WARNING

Always make sure that the slide-out room path is clear of people and objects before and during operation of the slide-out. Always keep away from the gear racks when the room is being operated to avoid possible serious personal injury.

Operation

Extending the Slide-Out Room

1. If equipped, remove the transit bars.
2. If equipped, turn "ON" the on/off switch or key.
3. Press and hold the "OUT" or "EXT" button.

NOTE: There will be a slight delay before the slide-out room will begin to move. This is normal.

4. Release the button when the slide-out room is fully extended and stops moving.
5. If equipped, turn "OFF" the on/off switch or key.

Retracting the Slide-Out Room

1. If equipped, turn "ON" the on/off switch or key.
2. Press and hold the "IN" or "RET" button.

NOTE: There will be a slight delay before the slide-out room will begin to move. This is normal.

3. Release the button when the slide-out room is fully retracted and stops moving.
4. If equipped, turn "OFF" the on/off switch or key.
5. If equipped, replace the transit bars.

Troubleshooting

The Error Code Chart in this section outlines some common problems, their causes and possible corrective actions. If any part or serial number information is available, provide it to the service technician when asking for assistance.

When something restricts room travel, system performance will be unpredictable. It is very important that the entire slide system be free of contamination and allowed to travel full distance (stroke). Ice or mud build-up during travel is an example of some types of contamination that can occur.

When you begin to troubleshoot the system, make sure the battery is fully charged, there are no visible signs of external damage to the system and that all connections are secure.

During troubleshooting, remember that if you change something, that change may affect something else. Make sure any changes you make will not create a new problem.

Fault Codes

The controller has the ability to detect and display several faults within the slide-out system. When a fault is detected, the room movement may stop and two different LED lights on the controller will flash in a particular pattern indicating the proper action needed to clear the fault, such as:

1. The Motor LED will flash GREEN 1 or 2 times, indicating which motor is experiencing the associated fault. For example, 1 GREEN flash indicates Motor 1 and 2 GREEN flashes indicates Motor 2.
2. The Fault Code LED will flash RED a number of times, indicating the determined fault. Refer to the troubleshooting chart below to best determine the cause of the fault.

NOTE: When motor movement is not detected by the control box in either direction during room actuation, the controller will automatically enter into "Emergency Jog" mode. When in Emergency Jog mode, the controller will jog both motors in the direction the switch is pressed, i.e. "IN" or "OUT". The switch may need to be pressed multiple times to fully retract or extend the slide-out room. Take the unit to an OEM-authorized dealer for service.

NOTE: The control box will return to normal mode after five minutes of inactivity or by cycling power to the control box.

Error Code Chart Control 366701		
What Is Happening?	Why?	What Should Be Done?
1 Red Flash	Parking brake (if applicable) is not set.	Set parking brake (if applicable).
	Ground signal is lost at parking brake receptacle at control box.	Check for continuity to ground on wire plugged into parking brake receptacle at control box.
2 Red Flashes	Incoming voltage to control is below 12V DC. The room will not move if the voltage is 10.5V DC or below.	Start vehicle, generator, or make sure the unit is plugged into shore power. Check 2-pin power connector at the control box at BATT + and GND. Consult manufacturer of unit charging system for troubleshooting assistance.
4 Red Flashes	Bad wire connection.	Refer to TIP Sheet 82-SO533 for troubleshooting.
	Bad motor.	
6 Red Flashes	Supply voltage to control box is 17V DC or greater.	Consult manufacturer of unit charging system for troubleshooting assistance.

Error Code Chart Control 697096 & 700156		
What Is Happening?	Why?	What Should Be Done?
1 Red Flash	Parking brake (if applicable) is not set.	Set parking brake (if applicable).
	Ground signal is lost at parking brake receptacle at control box.	Check for continuity to ground on wire plugged into parking brake receptacle at control box.
2 Red Flashes	Incoming voltage to control is below 12V DC. The room will not move if the voltage is 10.5V DC or below.	Start vehicle, generator, or make sure the unit is plugged into shore power. Check 2-pin power connector at the control box at BATT + and GND. Consult manufacturer of unit charging system for troubleshooting assistance.
4 Red Flashes	Bad wire connection.	Refer to TIP Sheet 82-SO533 for troubleshooting.
	Bad motor.	
6 Red Flashes	Supply voltage to control box is 17V DC or greater.	Consult manufacturer of unit charging system for troubleshooting assistance.
7 Red Flashes	• Stops have not been set • Stops were cleared • Stops were improperly set	Stops need to be programmed according to the programming instructions in this document.
8 Red Flashes	Motor fuse concern	Contact Lippert Representative.
9 Red Flashes	Battery dropped below 8.5V while extending or retracting slides.	Change battery, start vehicle, generator, or make sure unit is plugged into shore power

Manual Override

1. Disconnect the wire harness from the motor lead (Fig. 1A).
2. Remove the screws (Fig. 2B) anchoring the interior column clamp (Fig. 2C) to the wall.
3. Detach the interior column clamp from the column and set aside.
4. Remove the two screws (Fig. 2A) that hold the motor cover (Fig. 3A) to the column (Fig. 2D) and remove the motor cover.
5. Disengage the motor from the drive sprocket assembly (Fig. 4A).
6. Repeat steps 1-5 on the opposite column.
7. The slide-out system should be free to move manually.
8. Once fully, manually retracted, insert the motor into the drive sprocket assembly. This prevents the slide-out from moving freely while the unit is in motion.

Fig. 1

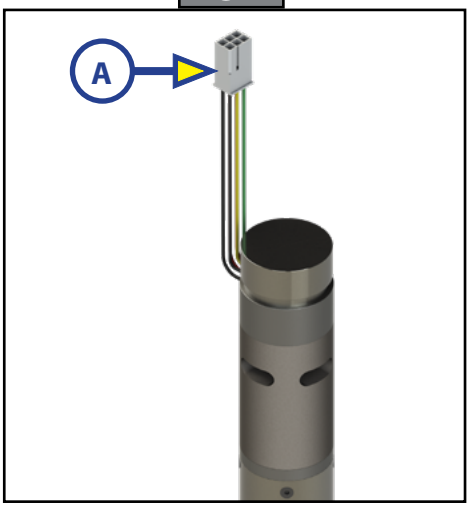


Fig. 2

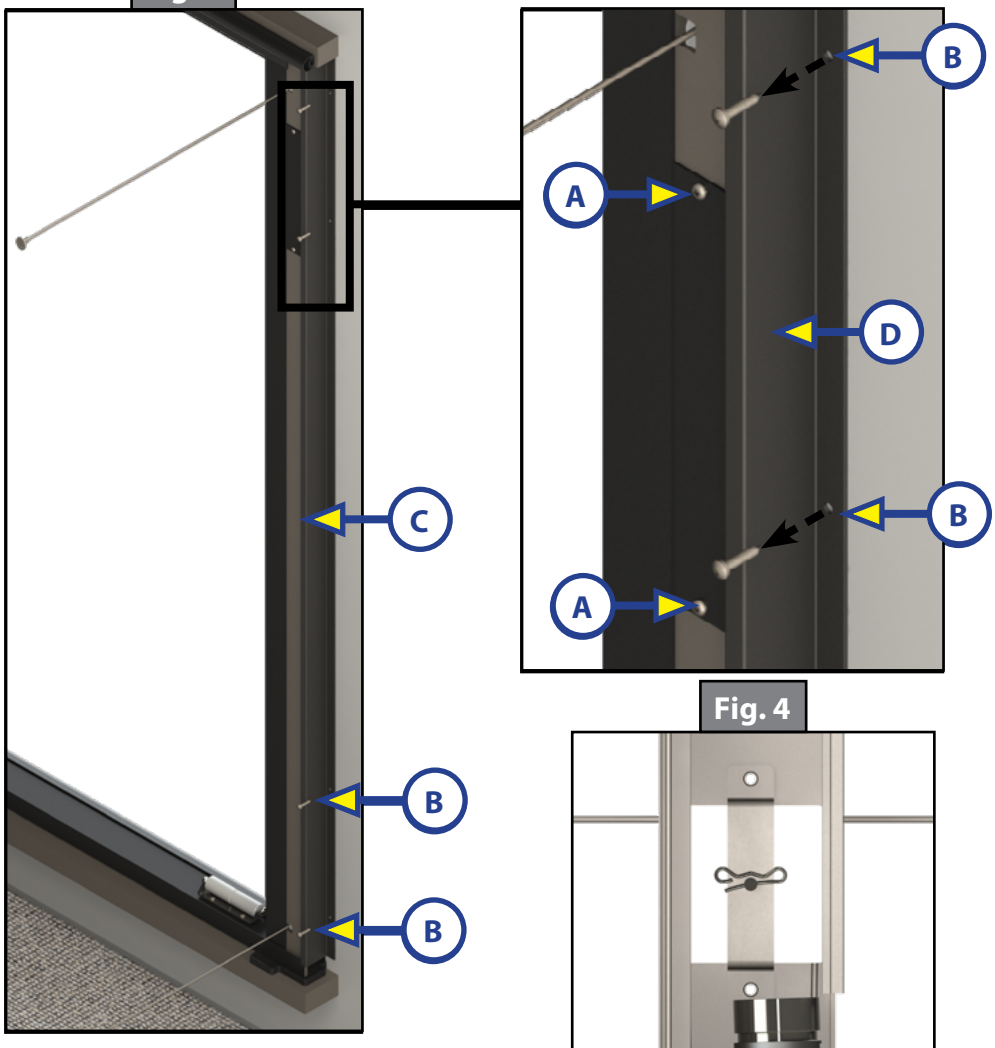


Fig. 3

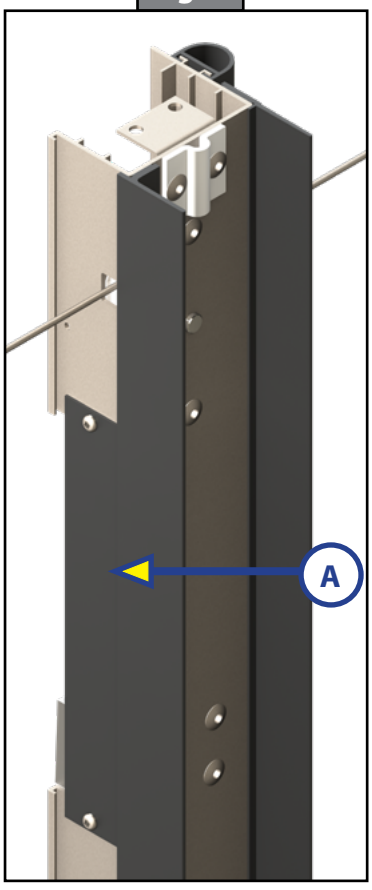
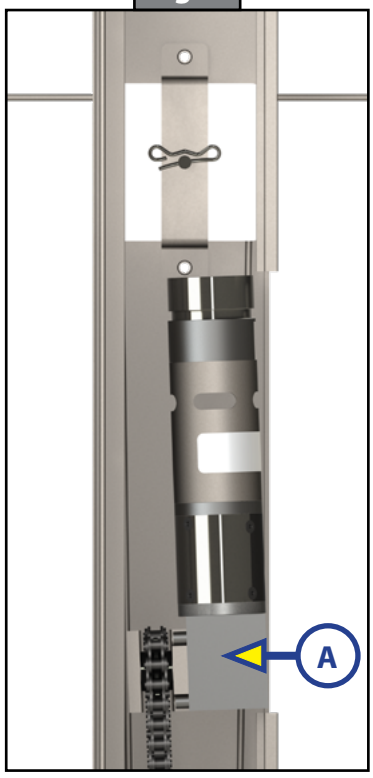


Fig. 4



Maintenance

The F.A.S.T. Track® Slide-out has been designed to require very little maintenance. To ensure the long life of your slide-out system, read and follow these few simple procedures:

- When the room is extended, visually inspect the slide system assemblies. Check for excess buildup of dirt or other foreign material. Remove any debris that may be present.
- If the system squeaks or makes any noises, wipe off any debris or dirt from the cables.
- If a slide-out cable is fraying, contact a qualified service center technician.

Wiring

NOTE: The controller (Fig. 5A & 6A) can be mounted in various locations of the unit. If the controller is not in a waterproof area the controller needs to be relocated to a waterproof area.

NOTE: When identifying motor 1 and motor 2, refer to Fig. 7.

NOTE: On original controls, when the mode switch (Fig. 5H) is in the left position the controller will not operate the slide-out room unless a park brake signal is found. With the mode switch moved to the right position, the controller will bypass the safety feature. For all trailers, the switch will need to be in the right position.

Fig. 5

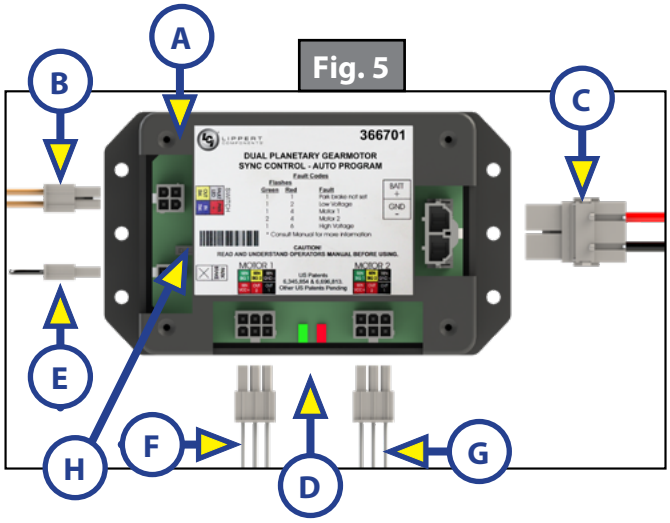
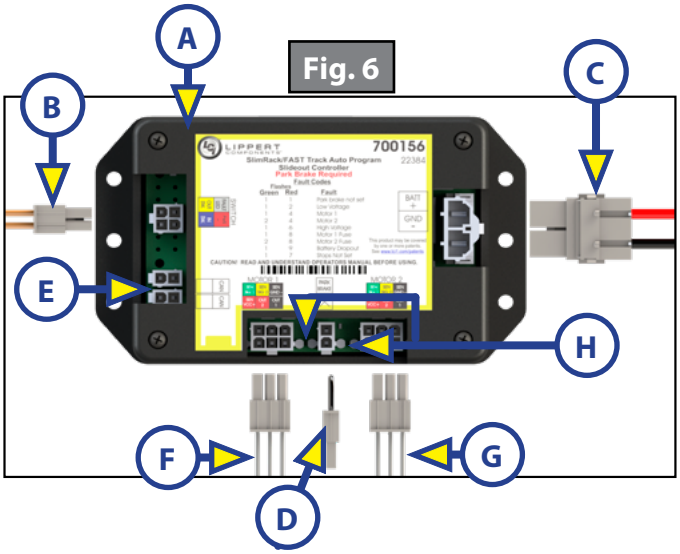


Fig. 6

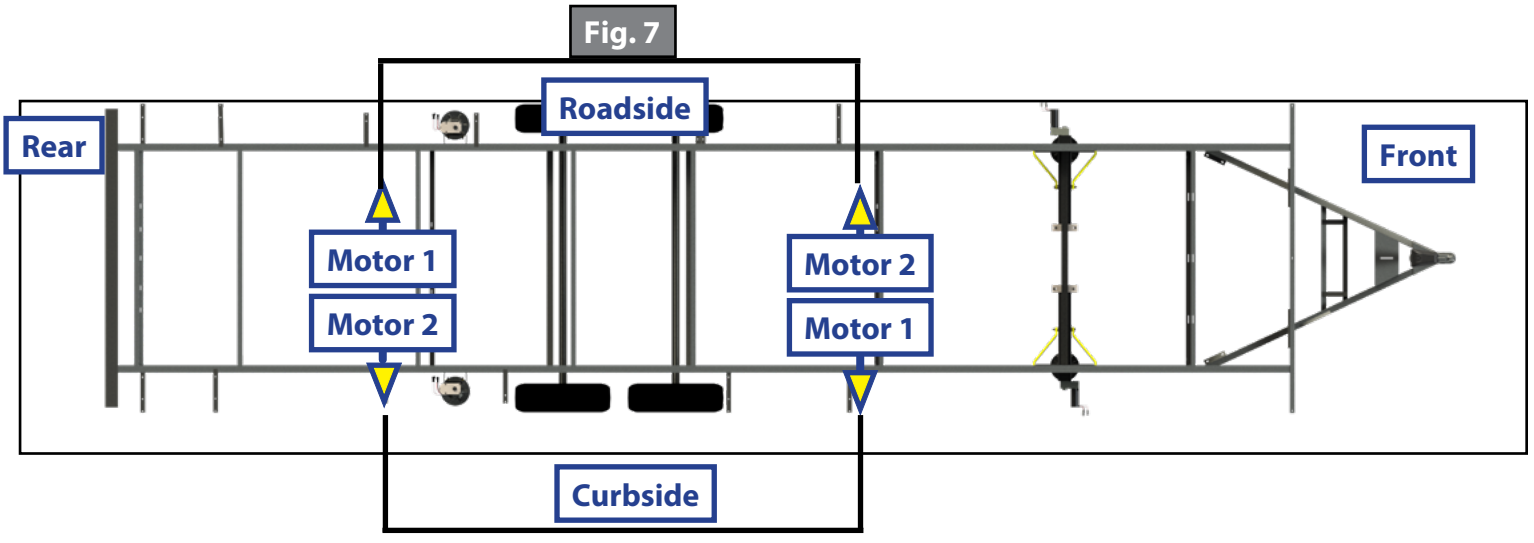


Callout	Description ORIGINAL
A	Controller
B	Switch Harness
C	Power Harness
D	Light Indicators
E	Park Brake Input Harness
F	Motor 1 Harness
G	Motor 2 Harness
H	Mode Switch

Callout	Description NEW
A	Controller
B	Switch Harness
C	Power Harness
D	Park Brake Input Harness*
E	CANbus data harnesses (Optional)
F	Motor 1 Harness
G	Motor 2 Harness
H	Light Indicators

NOTE: *Park brake input harness not used on towable unit control.

Fig. 7



Notes

Please recycle all obsolete materials.

For all concerns or questions, please contact
Lippert Components, Inc.
Ph: (574) 537-8900 | Web: lippert.com | Email: customerservice@lci1.com

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