

# BASIC OPERATION GUIDE

This guide provides basic operational instructions pertaining to the components, devices, or equipment that may be installed on your motorhome. Please refer to the component manufacturer owner's manual for safety, troubleshooting, maintenance, and more detailed operating information.



Made to fit.

## Electric Slideouts

Includes **NEW Instructions for Class C and Super C**

### BASIC OPERATION

#### **⚠ DANGER**

DO NOT MOVE OR DRIVE YOUR MOTORHOME WITH SLIDEOUT(S) EXTENDED.

WHEN EXTENDING AND RETRACTING SLIDEOUT(S) KEEP PEOPLE, PETS, AND OBSTRUCTIONS CLEAR OF THE SLIDEOUT(S), BOTH INSIDE AND OUTSIDE OF THE MOTORHOME.

#### **⚠ CAUTION**

BEFORE OPERATING SLIDEOUT(S):

- Park on a level area and if installed with leveling jacks or stabilizers, the motorhome must be leveled or stabilized with the jacks in the down position.
- Ensure that children and pets are kept well away from moving slideouts. Always inspect the area outside the slideout prior to operating to safeguard that the slideout will not contact nearby trees, vehicles, utility poles or other obstacles.
- Gear tracks present a serious pinch hazard; keep hands away from moving slideouts. Ensure that the interior floor and space is clear of any obstacles that could impede the slideout travel or become entrapped under the slideout.
- If equipped, remove travel bars or slide-locks prior to operating slideout(s).
- Engage emergency (parking) brake.
- Place driver and front passenger seats in the most forward position and place the seat-backs in the upright position, otherwise slideout may contact and damage these seats.

#### **NOTICE**

If the slideout motors are not in-sync, the slideout will likely bind while extending or retracting. If binding occurs, **CEASE OPERATING THE MOTORS**; the motors or gear tracks could be damaged. The slideout may have to be manually retracted. Refer to the manufacturer's instructions or the TMC Awnings, Leveling, and Slideout System Guide for manual retraction.

**COMPONENT MANUFACTURER: LCI**  
(Lippert Components)



THREE KEYS TO EFFECTIVE SLIDEOUT OPERATION:

1. **Level the motorhome:** Doing so will keep the slideout square and help to prevent binding in the slideout opening. Always level the motorhome before extending slideouts and keep the motorhome level until slideouts are retracted.
2. **Provide sufficient power to the slideout motors:** Doing so will aid in proper slideout motor operation. Slideout motors can draw a significant amount of current from the house battery(ies). Late model Class A Gas and Diesel, Class C and Super C models require the vehicle's engine running to operate slideouts. This provides extra power to the house batteries via the vehicle's alternator. Earlier Class A Gas, Class Super C (pre-2020), and Class C (pre-2021) require the engine to be OFF (ignition lock-out). If your slideout system has an ignition lock-out feature, TMC recommends plugging into shore power or operating the generator while extending and retracting slideouts. This will ensure the house 12 volt system has sufficient power to operate the slideout motors.
3. **Keep the slideout motors in-sync:** Doing so ensures proper slideout operation. When operating an electric slideout, always follow the procedure mentioned in the Notice below. This will help keep the slideout motors operating smoothly.

#### **NOTICE**

When extending and retracting slideouts, it is good operating practice to maintain pressure on the control button continuously while the slide is in motion. Avoid stopping and starting the motors in mid-travel.



**IMPORTANT-PLEASE READ:** This guide may include information for suggested customer purchased items, and component parts on some vehicles that may be optional or not available on your particular model. The inclusion of this information does not indicate or imply that the components or options were at any time available, or can be retrofitted to your vehicle, and is subject to change. If you, the purchaser, have any questions or concerns regarding this Basic Operation Guide, or information contained in the various individual appliance or component manufacturer's instructions, please contact your selling dealership or TMC Customer Care at (877) 855-2867 (EST-Indiana) for assistance. Component part and appliance manufacturers issue limited warranties covering portions of the vehicle not covered under the TMC Limited Warranty. Copyright Thor Motor Coach, Inc. © TMC 020021 Rev 220512

### Extending the Slideout

1. Perform all pre-operation safety measures.
2. Level the motorhome with leveling jacks or stabilize with stabilizing jacks. If the motorhome does not have leveling jacks or stabilizers, always choose a parking space that is as level as possible.
3. **SET PARKING BRAKE** (applies for all motorhomes).
4. Place motorhome's engine and transmission in:
  - **CLASS A DIESEL MOTORHOMES: Place motorhome's transmission in NEUTRAL. Engine must be RUNNING for hydraulic and electric actuated slideouts.**
  - **CLASS A GAS AND CLASS SUPER C (beginning with model year 2020), AND ALL CLASS C MOTORHOMES (beginning with model year 2022): Place motorhome's transmission in PARK. Engine must be RUNNING.**
  - **EARLY CLASS A GAS AND PRE-2020 SUPER C, AND ALL PRE-2022 CLASS C MOTORHOMES: Place motorhome's transmission in PARK. Engine must be OFF and keys removed from ignition.**
  - **SELECT CLASS A AND CLASS C WITH BM PRO MULTIPLEX: see next section.**
5. Turn the Master Battery Disconnect Switch ON. Doing so energizes motorhome's 12 volt electrical system.
6. For motorhomes with an ignition lock-out (Pre-2022 Class C and older Class A Gas): connect to shore power or operate the generator to ensure adequate power from the 12 volt electrical system.
7. Locate the slideout operating switch (location varies per model and floor plan). If your motorhome has a multiplex system, the slideout control is located on the slideout/awning menu screen. For all other installations, the slideout controls are located on the Monitor Panel.
  - **Hydraulic slideout:** Press and hold the slideout operating switch until the slideout room is fully extended, then release switch.
  - **Electric slideout:** Press and hold the IN/Retract button for 3-5 seconds, then Press and hold the OUT/Extend button until the slideout is fully extended AND hold the switch for an additional 3-5 seconds, then release the switch (this procedure helps to keep the slideout motors in-sync).

#### NOTES:

- Slideouts will not operate properly if the 12 volt system's power delivery capacity is low. This is the reason the engine must be running; supplying additional power from the vehicle's alternator to ensure the slideout motors are supplied with consistent power.

- Many slideout problems can be avoided by keeping the slide motors in sync. Follow the instructions listed in Step 6 (above) every time the slides are extended and retracted.
- Always hold the IN or OUT switch until the slideout is completely in or out. Avoid releasing the switch while the slideout is partially open or closed.

### Retracting the Slideout

#### NOTICE

**Before retracting a slideout, always visually inspect the roof and awning of the slideout for any debris or damage. Check the gear tracks for debris or damage. Always perform an interior and exterior visual inspection to ensure slideout is fully retracted and prepped for travel.**

1. Perform all pre-operation safety measures.
2. Be sure there are no obstructions on the floor of the coach or in the path of the slideout. Return front seats to up-right and forward position.
3. Ensure there is no visible dirt or debris in the track of the slideout or under it. Trapped dirt or debris could cause damage to your carpet or flooring, slideout rollers or gear tracks.
4. Ensure the parking brake is ON and the motorhome's engine and transmission are in:
  - **CLASS A DIESEL MOTORHOMES: Place motorhome's transmission in NEUTRAL. Engine must be RUNNING for hydraulic and electric actuated slideouts.**
  - **CLASS A GAS AND CLASS SUPER C (beginning with model year 2020), AND ALL CLASS C MOTORHOMES (beginning with model year 2022): Place motorhome's transmission in PARK. Engine must be RUNNING.**
  - **EARLY CLASS A GAS AND PRE-2020 SUPER C, AND ALL PRE-2022 CLASS C MOTORHOMES: Place motorhome's transmission in PARK. Engine must be OFF and keys removed from ignition.**
  - **SELECT CLASS A AND CLASS C WITH BM PRO MULTIPLEX: see next section.**
5. Turn the Master Battery Disconnect Switch ON.
6. For motorhomes with an ignition lock-out (Pre-2022 Class C and older Class A Gas): connect to shore power or operate the generator to ensure adequate power from the 12 volt electrical system.
7. Locate the slideout operating switch (monitor panel or multiplex control panel), and:
  - **Hydraulic slideout:** Press and hold the IN/Retract switch until the room is completely retracted, then immediately release the switch.

**Electric slideout:** Press and hold the OUT/Extend button for 3-5 seconds, then press and hold the IN/Retract button until the slideout is fully retracted. Continue to hold the IN/Retract button for an additional 3-5 seconds, then release the button (this action will help keep the slideout motors in-sync).

**AVOID STARTING AND STOPPING THE SLIDEOUT MOTORS IN MID-TRAVEL. MOTOR SYNCHRONIZATION CAN BE AFFECTED.**

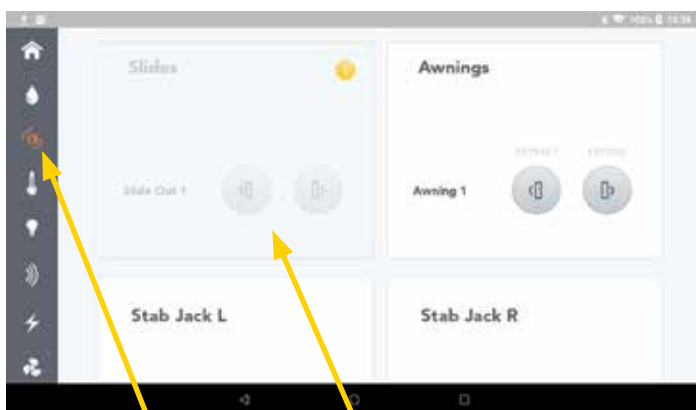
- When slideout is completely retracted, install the slideout locking devices (if equipped).

**NOTE:** Slideout motors have an internal braking system that prevents slideout movement when the motors are not in operation AND connected to the slideout controller. Slideout locking devices are simply an additional safety measure and only necessary if the slideout motors are disconnected from the motor control module.

### Slideout Operation with BM Pro Multiplex System

Implementation of the ignition lock-out (engine OFF) to the engine-running slideout operating requirement for TMC Class A and Class C motorhomes with the BM Pro Multiplex System is scheduled for a mid-model year change-over.

Pre-model year 2022 and some model year 2022 motorhomes will require the engine OFF to enable the slideout motors. After the 2022 mid-model-year change, slideout operation will require the engine running. To determine the correct procedure for your motorhome, the BM Pro slideout menu screen will indicate whether the engine needs to be OFF or RUNNING. Below are menu screen illustrations:



- BM Pro Slideout Control Menu and slideout control buttons.



- If you see this message (Ignition detected) when pressing the slideout control buttons, your vehicle's engine must be OFF. The transmission must be in PARK and the parking brake must be ENGAGED.

Connect to shore power or operate the generator to ensure adequate power for the slideout motors.



- If you see this message (Slideout is locked out . . .) when pressing the slideout control buttons, your vehicle's engine must be ON in order to operate the slideout. Be sure the transmission is in PARK and the parking brake is ENGAGED.

### Resynchronizing the Slideout Motors

If the slideout motors are not starting and stopping at the same time, the slideout may bind and become in-operable. The slideout motors will need to be resynchronized.

#### METHOD 1:

1. Extend the slideout using the IN/OUT switch. Keep the switch engaged until both motors shut down on their own. The slideout may not fully extend due to binding of the slideout.
2. Retract the slideout 1-2 inches, then press the extend switch until the motors stop.
3. Repeat step 2 until both motors shut down at the same time. In many cases, two or three repetitions are necessary to re-sync the slideout motor pair.
4. Fully extend the slideout and keep the switch engaged until the motors shut down on their own. Then, fully retract the slideout, keeping the switch engaged until the motors shut down on their own. If both motors simultaneously shut down at full extension and full retraction, the motors are properly synchronized.

If this method does not restore normal slideout operation, try method 2.

#### METHOD 2:

1. Locate the Slideout controller. It is usually mounted near the slideout; on the slideout side of the motorhome, in a storage bay or overhead compartment (Figure 1).
2. Using a pen or small blunt object, press the override button 6 times and hold on the seventh press. The LED(s) will rapidly flash (Figure 2), signifying the controller has entered a 60 second manual override mode.



Figure 1



Figure 2

3. Return to the inside of the motorhome. PRESS AND HOLD the Slideout Retract Switch until the slideout is fully retracted. The motors should stop at the same time. Must be done within the 60 second override timed cycle. Normal mode automatically re-sets after 60 seconds.

#### METHOD 3

Use this alternate method to method 2 if your motorhome has a multiplex control system.

1. Select the Slideout Control Menu on the multiplex control panel
2. Alternately press the IN and OUT slideout buttons 5 times and hold on the sixth. You should hear the slideout motors sync.

#### NOTES:

- Each slideout motor pair will have a separate Slideout Motor Control Module installed in your motorhome. Slideout motor control modules may be located in an internal storage cabinet or an external storage or service compartment.
- Familiarize yourself with the location of each slideout motor control module installed in your motorhome and the slideout motor pair it operates. Slideout motor control module(s) will need to be accessed if it becomes necessary to manually retract the slideout (physically pushing the slideout IN).
- There is a 30 second delay feature on the tilt-a-bed slideout (if equipped), to allow time to raise the head of the bed.
- For complete operational and maintenance slideout information, refer to the slideout documents and how-to videos available through your TMC Owners Resource on-line account:  
[www.thormotorcoach.com/owners/owners-resources](http://www.thormotorcoach.com/owners/owners-resources)

### Manually Retracting a Slideout

In some circumstances, the slideout motors are so far out of synchronization that the slideout will need to be manually retracted and the motors re-set. Follow this procedure:

1. Locate the slideout controller (Figure 1).

2. Unplug both slideout motor connectors (Figures 3 and 4).



Figure 3

3. With the help of one or more additional people, carefully and evenly, from both sides, push the slideout all the way in; being careful not to deform the slideout's perimeter trim or weather seals. You will be pushing against the motor mechanisms, so some resistance should be expected (Figure 5).



Figure 4

4. Once the slideout is fully retracted into the closed position, re-plug both motor connectors into the slideout controller sockets.

**BOTH MOTOR CONNECTORS MUST BE RE-ATTACHED INTO THE SLIDEOUT CONTROLLER IN ORDER TO ENGAGE THE MOTOR'S BRAKES, ENSURING THE SLIDEOUT WILL STAY IN PLACE IF THE MOTORHOME IS MOVED.**

5. With the slideout retracted and the motor connectors re-attached to the slideout controller. The motors should be in-sync and normal slideout operation can be performed.



Figure 5: Pushing in a slideout

### Slideout Troubleshooting

If the slideout is not operating when the extend or retract switches are activated:

- Make sure the main battery disconnect is ON (slideout motors operate on 12 volts DC).
- Make sure there is adequate power to the slide system. TMC recommends that you plug into shore power or operate the generator prior to slideout operation; ensuring the 12 volt electrical system has adequate power to operate the slideout motors.
- Visually inspect the gear tracks for obstructions and debris. Check for out-of-place seals. Remove any obstructions from the gear tracks and ensure seals do not interfere with gear tracks or slideout movement.
- Check underneath slideout and slideout rollers for obstructions or debris. Remove any obstructions from the roller path.
- Check the 12 volt DC slideout fuse in the power load center's fuse panel to make sure it is not blown. Replace the fuse, if necessary, with a fuse of the same type and rating. If the fuse blows again, there is an electrical problem with the slideout. Have the slideout system inspected and repaired by an qualified technician.
- Verify travel lock(s), if equipped, have been removed or disengaged.
- Check for error codes on the slideout controller (flashing LED). Refer to the manufacturers owner's manual for error code interpretation and additional instructions.
- If motorized slideout retraction is not working properly, follow the instructions in the previous section, 'Manually Retracting a Slideout.' Arrange and perform slideout repairs as soon as possible.