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BEP 701S

BEP Mini Battery Selector Switch Model 701S User Manual

Model: 701S (CWR-58596)

Brand: BEP

1. SAFETY INFORMATION

Read all instructions carefully before installing or operating the BEP Mini Battery Selector Switch Model 701S. Failure to follow these instructions may result in property damage, serious injury, or death.

- Always disconnect battery power before working on electrical systems.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Install the switch in a dry, well-ventilated area, away from flammable materials.
- Consult a qualified marine electrician or technician if you are unsure about any installation or wiring procedures.

Warning: This product may contain materials cautioned by California Proposition 65.

2. PRODUCT OVERVIEW

The BEP Mini Battery Selector Switch Model 701S is designed for marine and RV applications, allowing for the selection of a single battery, multiple batteries in parallel, or complete disconnection of battery banks. This switch provides a reliable method for managing power distribution and ensuring battery isolation.



An angled view of the BEP Mini Battery Selector Switch Model 701S. The switch features a dark gray housing with a prominent red rotary knob. The knob has a white top with a battery icon and the BEP Marine logo. Markings 'OFF' and '1' are visible on the housing, indicating switch positions, along with green and red color coding for operational status.

3. SPECIFICATIONS

Feature	Detail
Model Name	701S
Item Model Number	CWR-58596
Brand	BEP
Material	Copper
Product Dimensions	6.5 x 3.75 x 3 inches
Item Weight	8 ounces
Manufacturer	BEP Marine

Feature	Detail
EU Spare Part Availability Duration	5 Years

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of your battery selector switch. Follow these general guidelines:

- Mounting Location:** Choose a location that is easily accessible, dry, and protected from direct exposure to water, fuel, or excessive heat. Ensure sufficient space for wiring and switch operation.
- Mounting:** Secure the switch firmly to a flat surface using appropriate fasteners. The switch housing has pre-drilled mounting holes.
- Wiring:**
 - Identify your battery banks (e.g., Battery 1, Battery 2) and the common load.
 - Connect the positive terminal of Battery 1 to the '1' terminal on the switch.
 - Connect the positive terminal of Battery 2 to the '2' terminal on the switch (if applicable for your model).
 - Connect the common load (e.g., engine starter, main distribution panel) to the 'COMMON' terminal on the switch.
 - Ensure all cable sizes are appropriate for the expected current draw and comply with relevant electrical standards.
 - Use high-quality marine-grade terminals and ensure all connections are clean, tight, and corrosion-free.
- Final Check:** Before restoring power, double-check all wiring connections for correctness and security.

It is highly recommended to have installation performed by a qualified professional to ensure compliance with all safety standards and proper functionality.

5. OPERATING INSTRUCTIONS

The BEP Mini Battery Selector Switch Model 701S typically features four positions, allowing flexible battery management:

- OFF:** Disconnects all battery banks from the load. This position is used for complete system shutdown, maintenance, or in emergencies.
- 1:** Connects Battery 1 to the load. Use this position for normal operation when drawing power from Battery 1.
- 2:** Connects Battery 2 to the load. Use this position for normal operation when drawing power from Battery 2 (if a second battery is installed).
- BOTH (or 1+2):** Connects both Battery 1 and Battery 2 in parallel to the load. This position is typically used for engine starting or when maximum power is required.

To change positions, firmly rotate the red knob to the desired setting. Avoid switching to 'OFF' while the engine is running, as this can damage the alternator.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your battery selector switch:

- **Inspection:** Periodically inspect the switch for any signs of physical damage, corrosion, or loose connections.
- **Cleaning:** Keep the switch clean and free of dirt, dust, and moisture. Use a dry cloth for cleaning. Avoid using harsh chemicals or abrasive cleaners.
- **Terminal Checks:** Ensure all wiring terminals remain tight and free of corrosion. Loose or corroded connections can lead to voltage drop and overheating.
- **Operation Check:** Occasionally cycle the switch through all positions to ensure smooth operation and proper contact.

7. TROUBLESHOOTING

If you encounter issues with your BEP Mini Battery Selector Switch, consider the following:

Problem	Possible Cause	Solution
No power to load	Switch in 'OFF' position	Rotate switch to '1', '2', or 'BOTH'
No power to load	Loose or corroded connections	Check and tighten all terminal connections; clean any corrosion
No power to load	Dead or discharged battery	Check battery voltage; charge or replace battery
Switch feels stiff or difficult to turn	Dirt or debris in mechanism	Clean the switch exterior; do not force the knob
Overheating at terminals	Loose connections or undersized wiring	Tighten connections; verify wiring gauge is appropriate for current draw

If problems persist after troubleshooting, contact BEP customer support or a qualified technician.

8. WARRANTY AND SUPPORT

BEP products are manufactured to high standards and are typically covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official BEP Marine website.

For technical assistance, spare parts, or further inquiries, please contact BEP Marine customer support. Refer to the BEP Marine website for the most current contact information.

EU Spare Part Availability: Spare parts for this model are available for a duration of 5 years from the date of manufacture.