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› Fruhdi Power Recliner RMT Motor Model R811A Actuator Instruction Manual

## Fruhdi R811A

# Fruhdi Power Recliner RMT Motor Model R811A Actuator Instruction Manual

Model: R811A

## IMPORTANT SAFETY INFORMATION

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Please read and understand all safety instructions before installing or operating the Fruhdi Power Recliner RMT Motor Model R811A Actuator. Failure to follow these instructions may result in injury or product damage.

- Electric recliner chairs should be used with caution.
- Ensure the chair is properly assembled and stable before use.
- Do not exceed the maximum weight recommendation of 50 kilograms (110 pounds).
- Keep children and pets away from the chair when in motion.
- Unplug the chair when not in use or when cleaning.
- Consult the user manual for the specific recliner chair for additional troubleshooting and maintenance instructions.

## PRODUCT OVERVIEW

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The Fruhdi Power Recliner RMT Motor Model R811A Actuator is a replacement linear actuator designed for power recliner sofas and lift chairs. This motor facilitates the smooth reclining and lifting functions of your furniture. It is manufactured by RMT and is specifically designed to replace RMT Motor Model R8112.

MODEL : R811A

R811A32375198

24V  $\equiv$  50W 3.2A

Duty Cycle: 1min ON/8min OFF

Prod. Date: 2022/05/13

S/N: 3D2022051300162



CE FCC



RoHS



E6104



Remacro Machinery&Technology (Wujiang) Co., Ltd.

Image: Fruhdi RMT Motor Model R811A Actuator, a replacement part for power recliners and lift chairs.



Image: Close-up of the RMT Motor Model R811A label, detailing electrical specifications and duty cycle.

SPECIFICATIONS

| Feature                        | Detail                              |
|--------------------------------|-------------------------------------|
| Brand                          | Fruhdi                              |
| Model Name                     | R811A                               |
| Item Model Number              | R811A32375198                       |
| Product Dimensions (D x W x H) | 14.76" x 14.76" x 7.8"              |
| Minimum Install Size           | 375 mm / 14.76 inches               |
| Stroke                         | 198 mm / 7.80 inches                |
| Power Transformer Connection   | 2 Pin Flat Round                    |
| Hand Control Plug Connection   | 5 Pin                               |
| Item Weight                    | 5.04 pounds                         |
| Maximum Weight Recommendation  | 50 Kilograms                        |
| Material                       | Aluminum                            |
| Finish Type                    | Powder Coated / Black Powder Coated |
| Manufacturer                   | RMT                                 |

## COMPATIBILITY

This Fruhdi RMT Motor Model R811A Actuator is designed as a direct replacement for specific RMT motor models and features standard connections for power recliners.

- Replaces RMT Motor Model R8112/R811242375198.
- Features a 2 Pin Flat Round Power Transformer Connection.
- Features a 5 Pin Hand Control Plug Connection.



Image: Diagram illustrating the R811A actuator as a suitable replacement for the R8112 model, showing connection types.

## INSTALLATION GUIDE

### Pre-Installation Checks

- Before ordering or installing, verify the model number on your existing motor's label. This product is RMT Model R811A and replaces RMT Model R8112.
- Troubleshoot your existing recliner's switch/remote or power supply to confirm the motor is the source of the malfunction.
- Measure the minimum install size and stroke of your current actuator to ensure compatibility. The R811A has a minimum install size of 14.76 inches and a stroke of 7.80 inches.



*Image: Measurement guide for the RMT R811A actuator, showing minimum install size and stroke length.*

## Installation Steps

The Fruhdi RMT Motor Model R811A Actuator requires no assembly itself, but professional installation into the recliner chair is recommended. Always ensure the recliner is unplugged from the power source before beginning installation.

1. **Disconnect Power:** Unplug the recliner chair from the wall outlet.
2. **Access Motor:** Carefully turn the recliner over or access the underside to locate the existing motor.
3. **Disconnect Old Motor:** Disconnect the 2-pin flat round power transformer connection and the 5-pin hand control plug connection from the old motor. Detach the old motor from its mounting points on the recliner frame.
4. **Mount New Motor:** Securely attach the new Fruhdi RMT Model R811A Actuator to the recliner frame using the appropriate hardware. Ensure it is firmly in place and aligned correctly.
5. **Connect Cables:** Connect the 2-pin flat round power transformer cable to the corresponding port on the new motor. Connect the 5-pin hand control plug to its designated port. Ensure all connections are snug.
6. **Test Functionality:** Carefully return the recliner to its upright position. Plug the recliner back into the power outlet and test the reclining and lifting functions using the hand control.



*Image: The RMT R811A actuator showing its 2-pin power and 5-pin hand control connections.*

## OPERATION

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Once the Fruhdi Power Recliner RMT Motor Model R811A Actuator is correctly installed and connected, the recliner's functions are operated via the hand control unit. Press the appropriate buttons on the hand control to extend or retract the footrest and recline or return the backrest to an upright position.

- Ensure the power cord is securely plugged into a functional wall outlet.
- Use the hand control buttons to initiate movement.
- Release the button to stop movement at the desired position.
- The motor has a duty cycle of 1 minute ON / 8 minutes OFF to prevent overheating. Avoid continuous operation for extended periods.

## MAINTENANCE

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Proper maintenance ensures the longevity and reliable operation of your Fruhdi RMT Motor Model R811A Actuator.

- **Cleaning:** Keep the motor housing and connections free from dust, dirt, and debris. Use a dry, soft cloth for cleaning. Do not use liquid cleaners directly on the motor or electrical components.
- **Inspection:** Periodically inspect the power cord, hand control cable, and all connections for any signs of wear, fraying, or damage. If damage is found, discontinue use and replace the affected component.
- **Lubrication:** The actuator is generally maintenance-free regarding internal lubrication. Do not attempt to lubricate internal components unless specifically instructed by the manufacturer.
- **Storage:** If the recliner is to be stored for an extended period, unplug it from the power source.

## TROUBLESHOOTING

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If your recliner is not functioning correctly after installing the Fruhdi RMT Motor Model R811A Actuator, consider the following troubleshooting steps:

- **No Movement:**
  - Ensure the recliner is securely plugged into a working electrical outlet.
  - Check all cable connections (power transformer and hand control) to the motor to ensure they are firmly seated.

- Verify that the power supply unit (transformer) is receiving power and functioning correctly.
- Inspect the hand control for any visible damage or malfunction.
- **Partial Movement or Intermittent Operation:**
  - Check for any obstructions preventing the recliner mechanism or actuator from moving freely.
  - Ensure the motor is not overheating. Allow it to cool down if it has been operated continuously (respect the 1 min ON / 8 min OFF duty cycle).
  - Re-check all electrical connections for looseness or corrosion.
- **Unusual Noises:**
  - Listen to pinpoint the source of the noise. It could indicate a mechanical issue with the recliner frame or the motor itself.
  - Ensure all mounting bolts for the motor are tight.

If these steps do not resolve the issue, it is recommended to consult a qualified technician or contact Fruhdi customer support.

## SUPPORT INFORMATION

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For further assistance, technical support, or inquiries regarding the Fruhdi Power Recliner RMT Motor Model R811A Actuator, please refer to the contact information provided by your retailer or visit the official Fruhdi brand store online.

This product is verified by Transparency, meaning each item has a unique code that can be verified before shipping to ensure authenticity.