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> Fruhdi Chendi Motor Linear Actuator ST03-29-380.195-4 Replacement Manual

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For Power Recliner Sofa Lift Chairs

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Fruhdi Chendi Motor Linear Actuator Model ST03-29-380.195-4. This linear actuator is designed as a direct replacement for compatible power recliner sofa lift chairs. Please read these instructions carefully before proceeding with installation or use to ensure proper function and safety.

SAFETY INFORMATION

- Always disconnect the power supply to the recliner before attempting any installation, removal, or maintenance.
- Ensure all electrical connections are secure and correctly matched to prevent electrical hazards.
- Do not operate the linear actuator if any part is damaged or if it has been exposed to water.
- Keep hands and loose clothing clear of moving parts during operation.
- This product is intended for its specified use as a recliner motor replacement. Do not modify or use for unintended applications.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- One (1) Fruhdi Chendi Motor Linear Actuator Model ST03-29-380.195-4

SETUP AND INSTALLATION

Before installation, confirm that the model number of your original motor matches ST03-29-380.195-4. This replacement motor is compatible only with units requiring this specific model.

1. **Disconnect Power:** Unplug the recliner from the wall outlet to ensure no power is supplied to the motor.
2. **Access Old Motor:** Carefully turn the recliner over or tilt it to access the existing linear actuator. Note how the old motor is mounted and connected.
3. **Disconnect Cables:** Disconnect the 2-pin flat round power transformer connection and the 5-pin hand control plug connection from the old motor.

4. **Remove Old Motor:** Detach the old linear actuator from its mounting points on the recliner frame. This usually involves removing pins or bolts.
5. **Install New Motor:** Position the new Fruhdi Chendi Motor Linear Actuator in the same location as the old one. Secure it using the original pins or bolts. Ensure it is firmly attached and moves freely without obstruction.
6. **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.
7. **Test Functionality:** Carefully return the recliner to its upright position. Plug the recliner back into the wall outlet. Use the hand control to test the full range of motion (extend and retract) of the linear actuator.



Figure 1: Full view of the linear actuator with connected cables.



Figure 2: Detail of the actuator's mounting point.

OPERATING INSTRUCTIONS

Once the Fruhdi Chendi Motor Linear Actuator is correctly installed and connected, operate your recliner as you normally would using its existing hand control. The motor will extend or retract the mechanism to achieve the desired reclining or lifting position.

- Press and hold the appropriate button on your recliner's hand control to initiate movement.

- Release the button to stop the movement at your desired position.
- Avoid continuously running the motor for extended periods without rest, as indicated by the duty cycle specification.

MAINTENANCE

The Fruhdi Chendi Motor Linear Actuator is designed for minimal maintenance. Follow these guidelines to ensure longevity:

- **Cleaning:** Keep the motor and surrounding area free from dust and debris. Use a dry cloth to wipe down the exterior. Do not use liquid cleaners directly on the motor.
- **Connections:** Periodically check all electrical connections to ensure they remain secure.
- **Inspection:** Inspect the actuator for any signs of damage or wear. If any issues are observed, discontinue use and consult customer support.
- **Lubrication:** The internal components are pre-lubricated and do not require additional lubrication by the user.

TROUBLESHOOTING

If your recliner is not operating correctly after motor replacement, 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 for tightness.
 - Verify that the power supply unit (transformer) is functioning correctly. You may need to test it with a multimeter if you have one.
 - Inspect the hand control for any visible damage or loose wires.
- **Partial Movement or Intermittent Operation:**
 - Check for any obstructions preventing the recliner mechanism or the linear actuator from moving freely.
 - Ensure the motor is securely mounted and not binding.
 - Confirm the hand control is fully functional and not sticking.
- **Unusual Noises:**
 - If the motor produces grinding or excessive noise, disconnect power immediately. This may indicate a mechanical issue.

If troubleshooting steps do not resolve the issue, please contact customer support for further assistance.

SPECIFICATIONS

Technical data for the Fruhdi Chendi Motor Linear Actuator Model ST03-29-380.195-4:

Specification	Value
Model	ST03-29-380.195-4
Stroke	14.9 inches (380mm)
Minimum Install Dimension	7.7 inches (195mm)
Rated Input	55W
Rated Load	4000N

Rated Voltage	DC29V
Duty Cycle	Max 10%; Max 2min/18min
Power Transformer Connection	2 Pin Flat Round
Hand Control Connection	5 Pin Plug



Figure 3: Product label with detailed specifications.



Figure 4: Additional view of the product label.

WARRANTY INFORMATION

This Fruhdi product is covered by a manufacturer's warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the documentation provided with your purchase or contact the seller directly. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the seller or manufacturer through the platform where the product was purchased. Provide your product model number (ST03-29-380.195-4) and purchase details for efficient support.

ASK A QUESTION ABOUT THIS MANUAL

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