Lane Furniture

Training Manual

2050 Raised Mid Ottoman Glider Mechanism Replacement
Trouble Shooting and Diagnosis

- Look for bent links
- Chair will not open or close or is harder to operate
- Chair leaning to one side or back’s normal position has changed
- Making a noise that wasn’t there previously
- Assist handle doesn’t function
Step 1. Getting Started

- If repair is in the home, remove the back first.
- Place chair upside down on a protective pad.
- The lower outside back of the chair has Velcro holding the lower back flap in place. Open this flap to expose the inside of the back frame.
- Back is removed by loosening the KD knobs which secure the back frame to the back mechanism posts.
Step 2. Removing the Back

- Open Back flap and locate the KD Knobs.
Step 2a. Removing the Back

- Remove both KD Back Knobs and separate the Upholstered Back Frame from the chair.
Step 3. Foot Rest Extended

- Turn chair upside down.
- Rotate the assist handle to extend the foot rest linkage of the mechanism.
Step 4. Removing the Foot Rest

- Remove the wood screws/bolts that connect the foot rest (Ottoman) and the mid-ottoman board to the mechanism.
Step 5. Remove Round Base

- After removing the Ottoman Boards, remove the (4) 3 inch Torx Head Bolts that connect the Wood Round Base to the bottom of the mechanism.
Step 6. Locate Tension Springs

- The #166 or #196 spring (depending on style of chair) is located opposite from the Handle, on the outside of the mechanism. It attaches to the handle tube bracket tab and to the spring pin at the rear/outside of the mechanism.

- The #136 spring is located on the Handle side, but on the inside of the mechanism. It attaches to the “wire form” of the handle tube bracket and the upright spring pin on the mechanism directly to the rear of the cross tube.
Step 6a. Remove the Tension Springs

- With the foot rest extended, remove the (2) Mechanism Springs from the mechanism.
Step 7. Remove Handle Tube

- Ottoman linkage extended.
Step 7a. Remove Handle Tube

- With the Ottoman linkage extended, remove the (4) Carriage Head Bolts and Lock Nuts (See arrows) that connect the Handle Tube Assembly to the mechanism.

- NOTE: Mechanism below is shown outside of the seat frame for clarity.
Step 7b. Remove Handle Tube

- Pull Handle Tube Assembly from side of chair.
Step 8. Remove Mechanism

- Locate the (4) Wood Screws that attach the mechanism to the Seat Frame.
Step 8a. Remove Mechanism

- Remove these (4) Wood Screws.
- Save Plastic noise Barriers for later use.
Step 8b. Remove Mechanism

- Lift the mechanism from the chair.
Step 8c. Mechanism Removed

- Mechanism removed.
Step 9. Disassemble Mechanism

- Disassemble the mechanism by removing only one side of the mechanism at a time.
- Remove the (2) Hex Head Bolts and Nuts that attach the Square Cross Rail the mechanism.
Step 9a  Disassemble Mechanism

- Remove the (2) Self Tapping Hex Head Bolts that connect the rear Swing Link to the H-Base.
Step 9b  Disassemble Mechanism

- Remove the (2) Self Tapping Hex Head Bolts that connect the front Swing Link to the H-Base.
Step 9c. Disassemble Mechanism

- Remove this side of the mechanism from the H-base.
Step 10  Replace Mechanism

- NOTE: Do NOT remove the other side of the mechanism until the replacement side is installed!

- Attach the replacement side of the mechanism to the H-Base using the (4) Hex Head Self Tapping Bolts. Follow Steps 9, 9a, and 9b in reverse order.

- After replacement side of mechanism is installed, remove and replace the remaining side.
Step 11. Replace Mechanism

- When the replacement mechanism is assembled place it into the Seat Frame.
- Make sure the Plastic Noise Barriers are between the mechanism and the seat rail, then secure the mechanism to the seat rails using (4) wood screws.
Step 12. Replace Handle Tube

- Insert the Handle Tube assembly into the side of the arm and thru the white handle bushings on each side of the mechanism.
- Extend the ottoman linkage and attach the handle tube to the mechanism using the (4) Carriage Head Bolts and Lock Nuts.
Step 13. Attach Tension Springs

- With the ottoman linkage still extended, attach the tension springs to the mechanism. See Step 6 and 6a.
Step 14. Attach the Round Base

- Place the Round Wood Base on top of the H-Base and align the mounting holes in the Round Base with the mounting holes in the H-Base.
- Attach the Round Base to the H-Base using the (4) Torx Head Bolts.
Step 15. Attach Foot Rest

- Use the bolts and wood screws to attach the foot rest (Ottoman) boards to the ottoman linkage at the front of the mechanism. See Step 4.
Step 16. Reattach Back Frame

- Close the Ottoman linkage and turn the chair right side up.
- Place the Upholstered Back Frame on to the chair by placing the (2) Shoulder Bolts (located on each of the wood Back Posts of the Back Frame) into the slots of the metal Back Posts of the mechanism. (See Step 2 and 2a).
- Attach the KD Knobs that secure the Back Frame to the mechanism Back Posts.
Step 17. Reattach Back Flap

- Operate the chair. If operation is satisfactory pull the Lower Back Flap downward and attach it to the Velcro strip at the bottom of the seat frame.