


majestic®

TIMPANI USER MANUAL

SYMPHONIC GRAND
SYMPHONIC



*Thank you for choosing timpani from the **Majestic Symphonic Grand/Symphonic Series**. This handbook contains essential information on usage and maintenance. Please read this manual carefully before using or maintaining the product to ensure the best possible performance and to prevent damage or injury.*

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I. General Precaution

Majestic cannot be held liable for damage or injury resulting from improper use or adjustment of the Instrument. It is imperative to thoroughly read and adhere to the guide and warnings provided to ensure safe and proper usage.

I-I Safety Warning

1. DO NOT climb or sit on the timpani to prevent damage to the tuning mechanism.
2. Adjustment of the spring tension system under the base SHOULD NOT be attempted by an inexperienced user. If needed, please consult with a professional instrument repair technician. Due to the high tension of the spring mechanism, there is risk of injury and causing catastrophic failure of the mechanism if not handled properly. The spring can be very difficult to reinstall without proper tools if anything should go wrong.

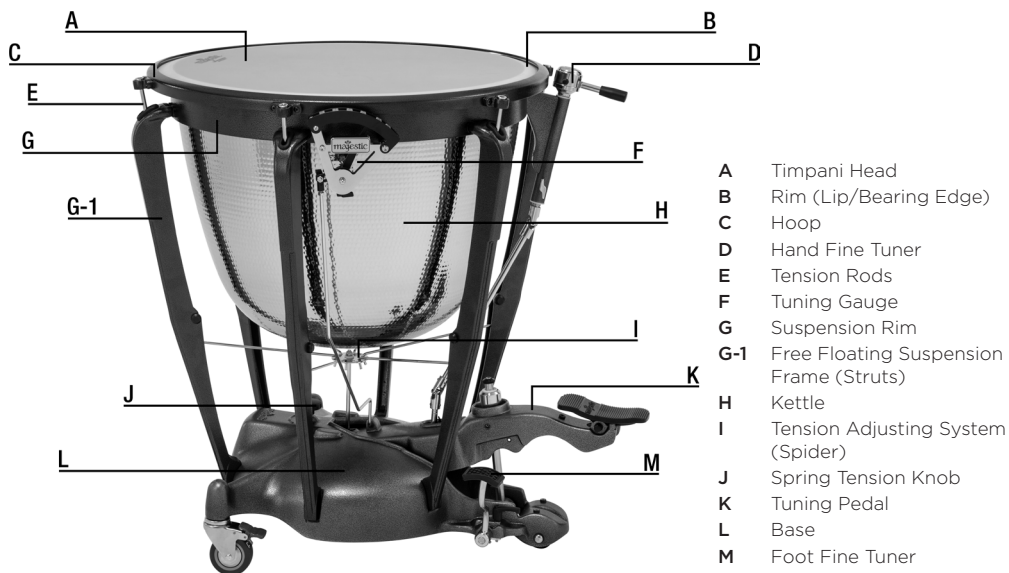
I-II. Transportation Tips and Set up

1. During transport it is important to have at least two people grip the drum by the frame struts to ensure both stability of tuning, and that the instrument is held securely.
2. Please ensure that the timpani are properly set up on a stable surface to prevent damage to the product and avoid injury.
3. Please make sure the brake of the timpani is "ON" after set up, to avoid the instrument falling over or moving resulting in damage and injury.
4. Please release the pedal to the lowest note after playing to extend the lifespan of the timpani head and spring.
5. During transportation, we suggest setting the pedal toe forward to the highest note (for the Symphonic Series) or pedal down (for the Symphonic Grand) to bring the head tension up to the highest note. This provides stability to help with the head better remaining centered and in tune with itself.



II. Introductions

II-I. Specifications

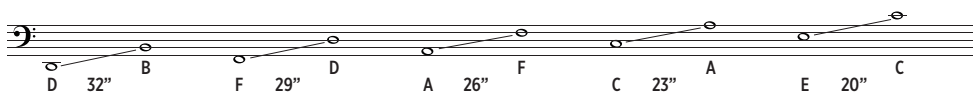


II-II. Fundamental Tone & Tuning Range

Each Timpano has its own specific tuning range, with the lowest pitch known as the fundamental tone. By adjusting the tension rods with the pedal, to the bottom of its range, the fundamental tone is set.

Please refer to the chart below to determine the fundamental tone and pitch range for the Symphonic Grand Timpani Series.

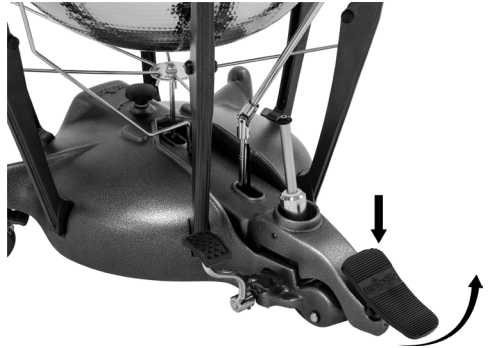
***When tuning your timpani, please follow the suggested tuning range. Tuning timpani far outside of its suggested tuning range is strongly discouraged, as damage to the instrument can occur.**



II-III Block Style Pedal Tuning System



Fundamental Position of the Block Pedal



- As the pedal is pressed down, the pitch gets higher.
- When you release the pedal clutch by rocking the toe of the pedal forward, the arm rises upward, the tension on the head decreases, and the pitch becomes lower. When the arm reaches its uppermost position, you will achieve the lowest pitch/fundamental tone.

During performances, timpani often need adjustments due to environmental factors such as temperature and humidity affecting pitch, as well as the orchestra's balance. If you find that the pitch when playing is lower than you expected, you can consider using fine tuners to achieve the ideal pitch.

Foot Fine Tuner



Hand Fine Tuner



III. Adjustment

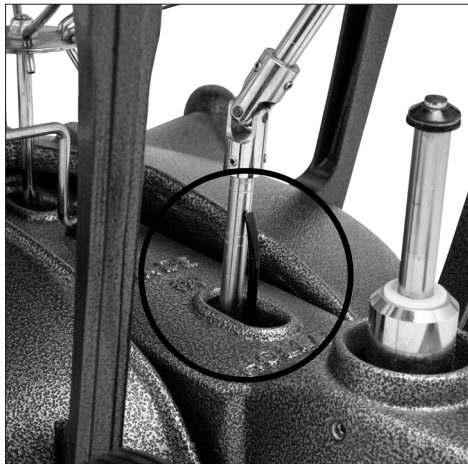
III-I. Head Changing

Majestic recommends changing timpani heads every two years based on average usage. If the timpani head is not regularly replaced and cleaned, it can lead to tuning difficulties and even cause the pedal system to malfunction. Replacing the timpani heads regularly will ensure optimal sound quality and performance.

*Majestic ensures precise installation of the timpani head during the manufacturing phase. However, it is possible for the head tension to loosen in transit, which might cause instability or tuning issues. Should you experience any issues during the initial setup, kindly refer figures III - IV below for guidance on addressing difficulties arising from changes in tension of the timpani head and pedal spring.

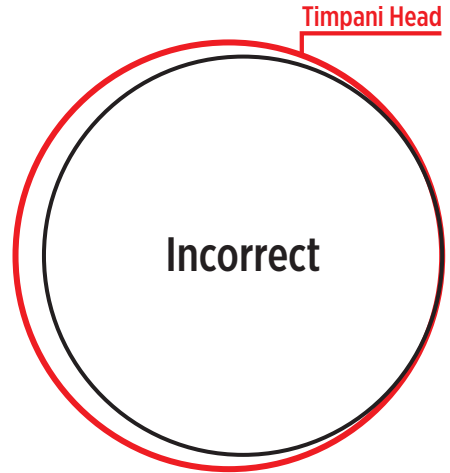
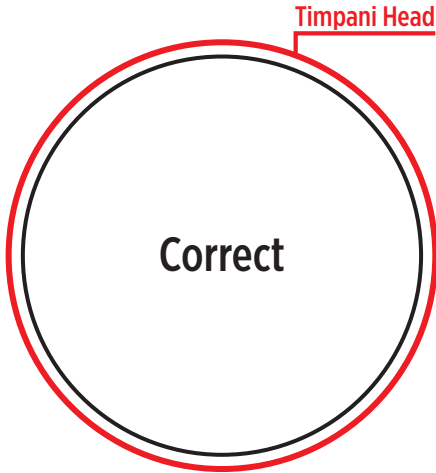
*When changing the timpani head, we recommend you choose "RC-Series Renaissance Clear Aluminum Insert" by REMO to avoid the difficulties during the head replacement. If you prefer to use different models or brand of timpani head, additional adjustments of the mechanism may be required, and you may need to consult with a professional repair technician.

1. Please release the pedal to the fundamental note. (See II-III.)
2. Make sure the fine tuners (Hand & Foot Tuners) are in the middle range of tuning.

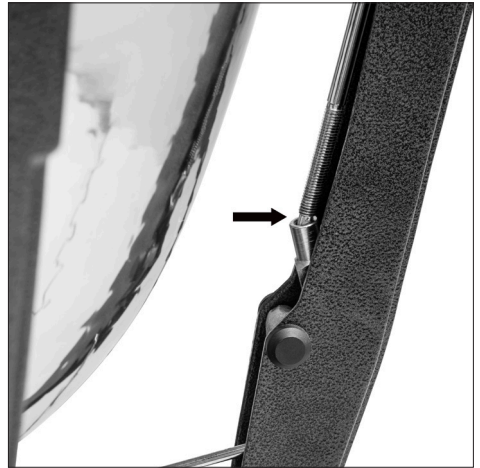
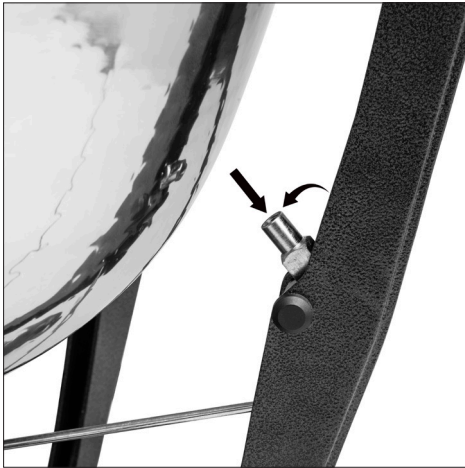


- First adjust the foot fine tuner to the center of its range of motion.
- Next, adjust the hand fine tuner crank until the red indicator near the base of the timpani points to the center of the area between the sets of two lines on the vertical rod.
3. Loosen and remove each tension rod and set aside.
4. Remove the hoop.
5. Remove the old timpani head.
6. Use a Green Scouring/Scrub pad or #0000 steel wool to remove the old lubrication, dirt, and rust on the lip of the kettle. (Be careful to not apply excessive pressure when using steel wool, as it may damage the rim/lip and cause buzzing sounds during playing.)
7. Carefully spray a small amount of Teflon lubrication on the lip of the kettle and allow to dry before touching.

8. Put the new timpani head on the kettle and place on the hoop in the correct position. (Please make sure the timpani head is even on each side of the kettle.)



9. Make sure the tension rod is properly aligned in the spider receiver.



10. To tune your timpani, please refer to point III-III below.

In order to seat the new heads and prepare for tuning, we recommend allowing the new head to stretch. This can be done by slightly pressing down on the drumhead and tension hoop when installing the tension rods. After getting the tension rods in place, raise the pedal to its highest pitch and leave in place for 1-2 days without adjusting or playing. This process will allow the head to further stretch and adapt to the kettle.

III-II. Periodic Maintenance

To ensure proper functionality, sound quality and extend the life span of your timpani, we recommend periodic maintenance and cleaning. See below for maintenance suggestions and instructions:

1. Cleaning Timpani Head

Daily use of drums can lead to the accumulation of dirt, oil from hands, sweat, and dust on drumheads. We recommend you clean the drumhead after every use.

*To clean drumheads, please refer to the maintenance methods provided on the REMO official website.

2. Cleaning the lip of kettle

See the instructions for changing the timpani head above (III-I.5).

3. Mechanism Lubrication

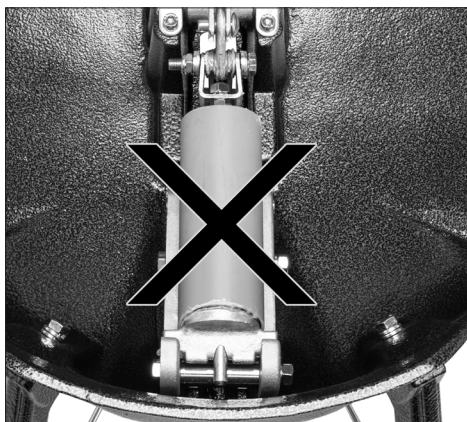
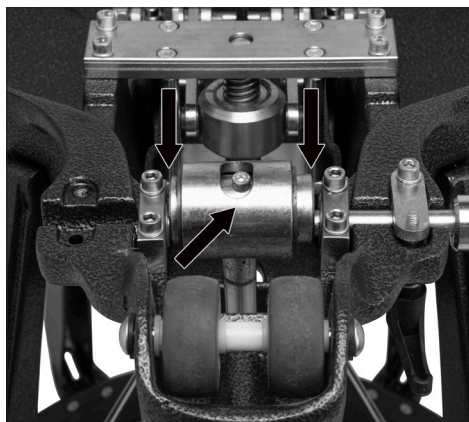
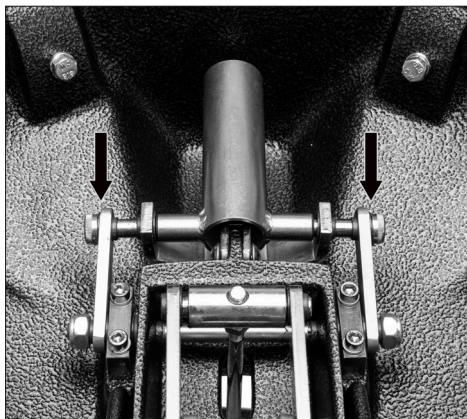
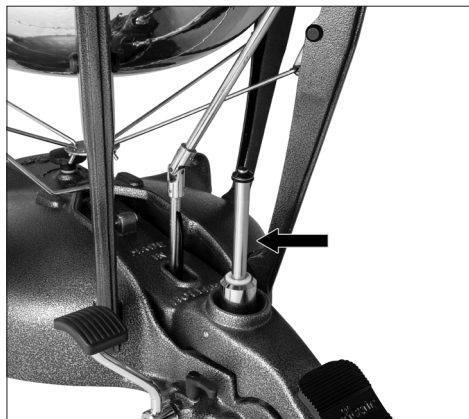
Tension Rods

- Clean the old oil off the tension rod using a soft cloth.
- Apply a small amount of lithium grease to the top of the tension rod to lubricate the rods.



Tuning Mechanism

- Use WD40 or similar product to lubricate the following areas as necessary. During the lubrication process, please use a cloth to remove excess spray.



WARNING

DO NOT disassemble the spring system under the base without professional support. Adjustment of the spring tension system under the base SHOULD NOT be attempted by an inexperienced user. If needed, please consult with a professional instrument repair technician. Due to the high tension of the spring mechanism, there is risk of injury and causing catastrophic failure of the mechanism if not handled properly. The spring can be very difficult to reinstall without proper tools if anything should go wrong.

III-III. Tuning

(If you have already followed the instructions for head replacement above, skip to step 3 below.)

1. Release the pedal to the fundamental position. (See II-II.)
2. Make sure the fine tuners are in the middle range of tuning.

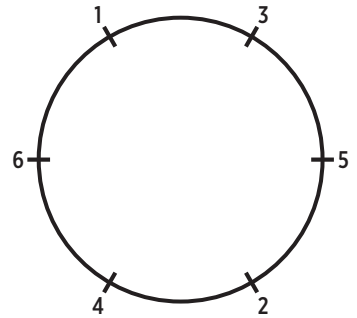


- First adjust the foot fine tuner to the center of its range of motion.
- Next, adjust the hand fine tuner crank until the red indicator near the base of the timpani points to the center of the area between the sets of two lines on the vertical rod.

3. Tighten the tension rods to "Finger-Tight".

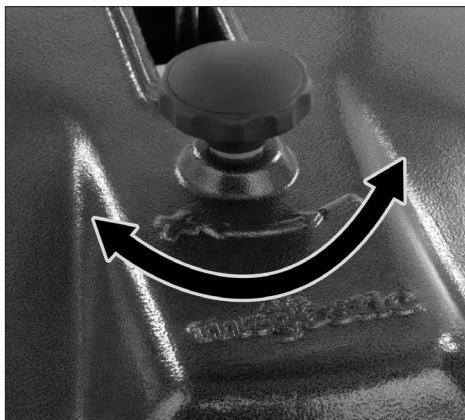
4. Check the fundamental tone list and use a piano/tuner as a reference to adjust the tension rods according to the guideline on the right until the fundamental tone is accurate. Make sure the head is balanced by lightly tapping the head and matching the pitch near each tension rod.

5. Align the note name marker on the tuning gauge with the corresponding position at each desired pitch. (If the indicator on the tuning gauge is not correctly centered, you may need to loosen the t-bolt and reposition, as shown below.)



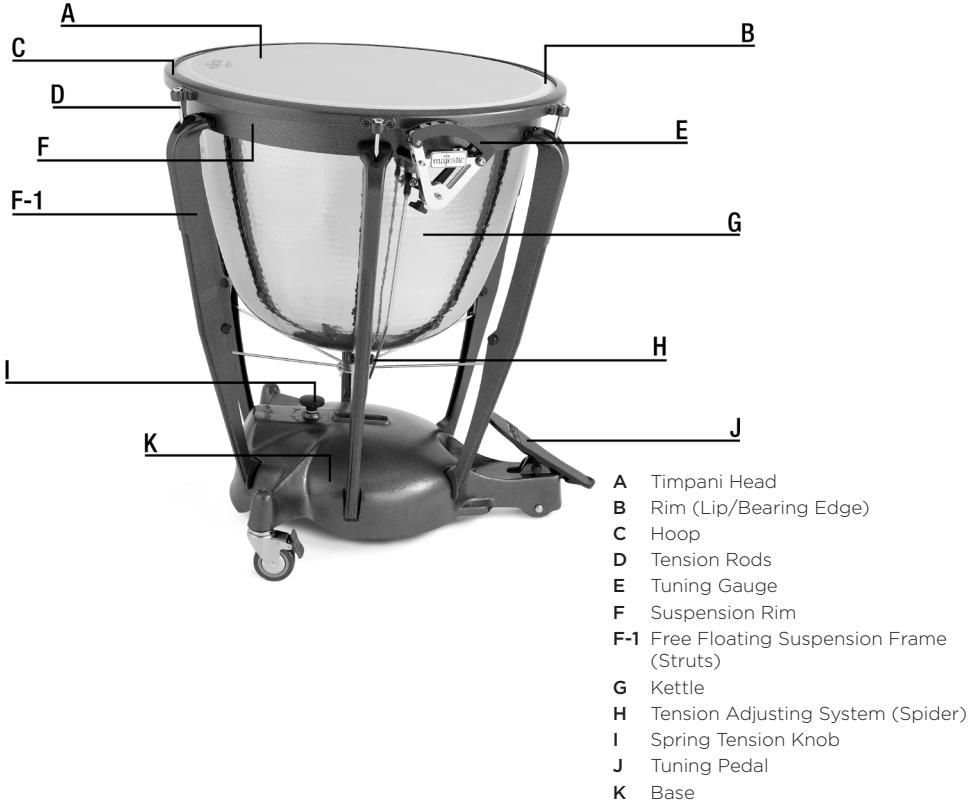
III-IV. Pedal Spring Adjustment

The tension of the pedal spring is crucial for timpani. If you want to adjust the damping for the tuning arm, please adjust the tension of the spring tension adjustment knob, moving 1/2 turn for each adjustment.



IV. Introductions

IV-I. Specifications

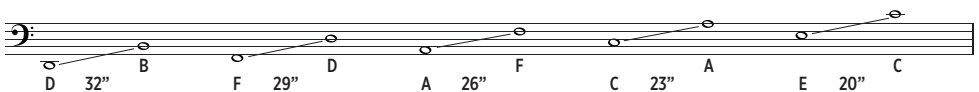


IV-II. Fundamental Tone & Tuning Range

Each Timpani has its own specific tuning range, with the lowest pitch known as the fundamental tone. By adjusting the tension rods with the pedal, the pedal be at the bottom of its range, the fundamental tone is set.

Please refer to the chart below to determine the fundamental tone and pitch range for the Symphonic Timpani Series.

***When tuning your timpani, please follow the suggested tuning range. Tuning timpani far outside of its suggested tuning range is strongly discouraged, as damage to the instrument can occur.**



IV-III Balanced Style Pedal Tuning System

Fundamental Position of the Balanced Pedal



- By rotating the toe of the pedal forward, tension is added to the head and the pitch will rise.
- By applying pressure to the heel of the pedal to cause the toe to come up, the pitch will lower. When the heel is all the way down, the lowest pitch/fundamental tone will be achieved.

V. Adjustments

V-I. Head Changing

Majestic recommends changing timpani heads every two years based on average usage. If the timpani head is not regularly replaced and cleaned, it can lead to tuning difficulties and even cause the pedal system to malfunction. Replacing the timpani heads regularly will ensure optimal sound quality and performance.

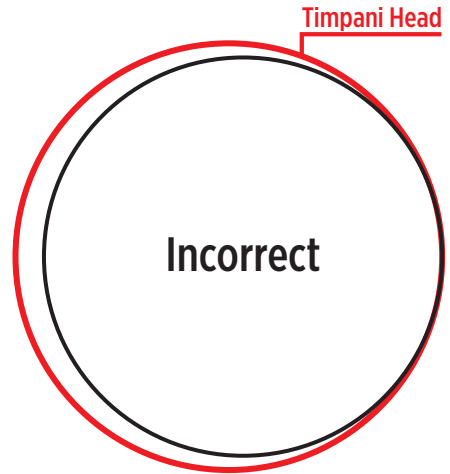
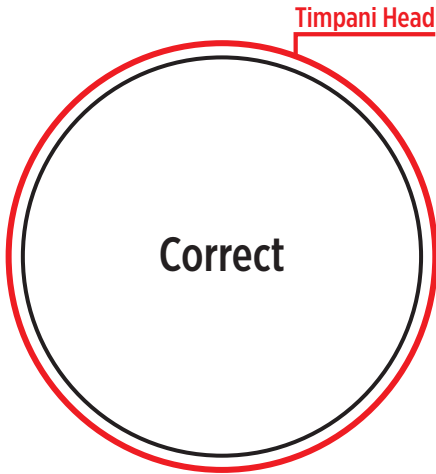
*Majestic ensures precise installation of the timpani head during the manufacturing phase. However, it is possible for the head tension to loosen in transit, which might cause instability or tuning issues. Should you experience any issues during the initial setup, kindly refer figures **V- IV** below for guidance on addressing difficulties arising from changes in tension of the timpani head and pedal spring.

*When changing the timpani head of a balanced pedal system instrument (Symphonic/Prophonic/Harmonic Series), you will need to block the pedal before removing the old head, to prevent the pedal from moving the head tension is released. This will prevent the pedal from snapping down abruptly, which might cause injury and damage to the mechanism due to the high tension of the spring.

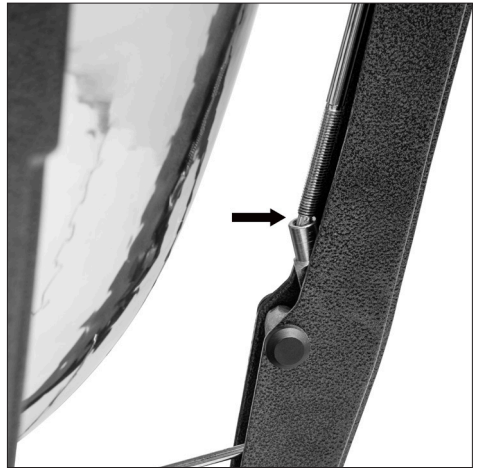
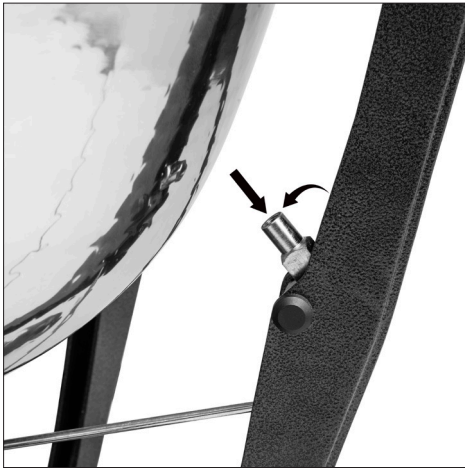
*When changing the timpani head, we recommend you choose "RC-Series Renaissance Clear Aluminum Insert" by REMO to avoid the difficulties during the head replacement. If you prefer to use different models or brand of timpani head, additional adjustments of the mechanism may be required, and you may need to consult with a professional repair technician.

1. Set the pedal to the fundamental note. (See **IV-II**.)
2. Firmly place a square block of wood or other appropriately sized rigid spacer under the toe of the pedal to hold it in the fully heel-back position.
3. Loosen and remove each tension rod and set aside.
4. Remove the hoop.
5. Remove the old timpani head.
6. Use a Green Scouring/Scrub pad or #0000 steel wool to remove the old lubrication, dirt, and rust on the lip of the kettle. (Be careful to not apply excessive pressure when using steel wool, as it may damage the rim/lip and cause buzzing sounds during playing.)
7. Carefully spray a small amount of Teflon lubrication on the lip of the kettle and allow to dry before touching.

8. Put the new timpani head on the kettle and place on the hoop in the correct position. (Please make sure the timpani head is even on each side of the kettle.)



9. Make sure the tension rod is properly aligned in the spider receiver.



10. To tune your timpani, please refer to point **V-III** below.

In order to seat the new heads and prepare for tuning, we recommend allowing the new head to stretch. This can be done by slightly pressing down on the drumhead and tension hoop when installing the tension rods. After getting the tension rods in place, raise the pedal to its highest pitch and leave in place for 1-2 days without adjusting or playing. This process will allow the head to further stretch and adapt to the kettle.

V-II. Periodic Maintenance

To ensure proper functionality, sound quality and extend the life span of your timpani, we recommend periodic maintenance and cleaning. See below for maintenance suggestions and instructions:

1. Cleaning Timpani Head

Daily use of drums can lead to the accumulation of dirt, oil from hands, sweat, and dust on drumheads. We recommend you clean the drumhead after every use.

*To clean drumheads, please refer to the maintenance methods provided on the REMO official website.

2. Cleaning the lip of kettle

See the instructions for changing the timpani head above (V-I.5).

3. Mechanism Lubrication

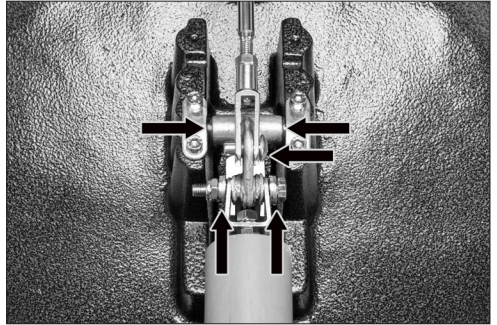
Tension Rods

- Clean the old oil off the tension rod using a soft cloth.
- Apply a small amount of lithium grease to the top of the tension rod to lubricate the rods.



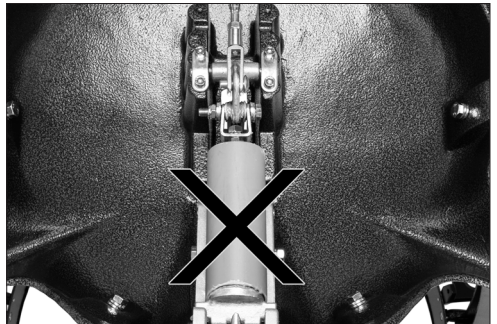
Tuning Mechanism

- Use WD40 or similar product to lubricate the following areas as necessary. During the lubrication process, please use a cloth to remove excess spray.



WARNING

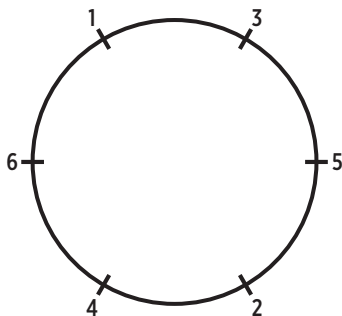
DO NOT disassemble the spring system under the base without professional support. Adjustment of the spring tension system under the base SHOULD NOT be attempted by an inexperienced user. If needed, please consult with a professional instrument repair technician. Due to the high tension of the spring mechanism, there is risk of injury and causing catastrophic failure of the mechanism if not handled properly. The spring can be very difficult to reinstall without proper tools if anything should go wrong.



V-III. Tuning

(If you have already followed the instructions for head replacement above, skip to step 3 below.)

1. Set the pedal in the fundamental position. (Please check IV-III.)
2. Tighten the tuning rods to "Finger-Tight".
3. Check the fundamental tone list and use a piano/tuner as a reference to adjust the tuning rods according to the guideline below until the fundamental tone is accurate. Please make sure you adjust the rods evenly to make the head balance. If not, rods may be bent, and clear pitches and accurate tuning will be difficult to achieve.



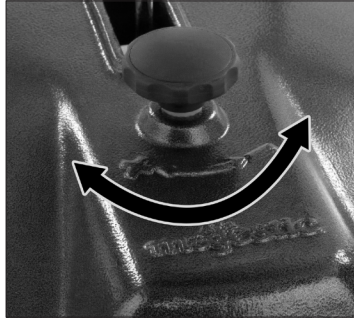
4. Align the note name marker on the tuning gauge with the corresponding position. (If the indicator on the tuning gauge is not correctly centered, you may need to loosen the t-bolt and reposition, as shown.)



V-IV. Pedal Spring Adjustment

The tension of the pedal spring is crucial for timpani, particularly for those with a balanced pedal system like the Majestic Symphonic Series. If the pedal spring and timpani head are out of balance, the tuning system can become unstable and may not hold specific pitches within the intended range of the instrument. If you encounter this issue and the lowest note is confirmed to be set to the proper pitch, trying adjusting the spring tension knob to achieve balance by moving 1/4 to 1/2 turn at a time.

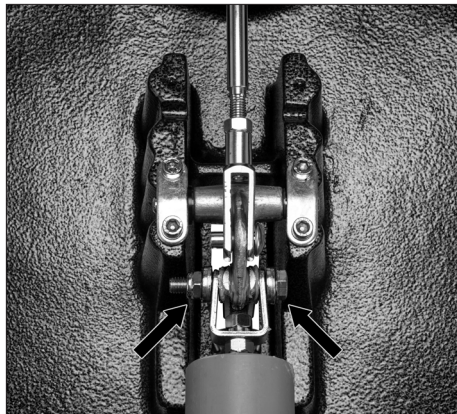
- If the pedal tends to fall forward to a higher pitch, you'll need to loosen the spring tension via the adjustment knob.
- If the pedal tends to fall backward to a lower pitch, you'll need to tighten the spring tension via the adjustment knob.



If the issue persists, you may also try to adjust the position of the tension adjustment spider on the spindle or the friction of the tuning mechanism to find the optimal balance.

Friction of the mechanism

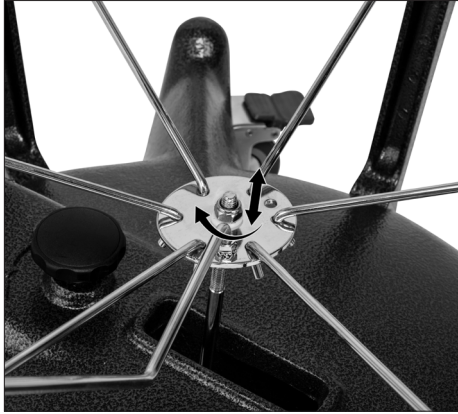
Occasionally, the friction might be too loose due to the vibration during playing. To remedy this, gradually tighten the bolt connecting the u-bracket to the rocker at the location shown below. Tighten only a small amount then re-test the feel and stability of the pedal before tightening further. Excessive tightening should not be required and is discouraged.



Warning- Do Not Disassemble the nut, or it might cause injuries or difficulty to reassemble.

Spindle

- If the pedal tends to fall forward to a higher pitch, you may reposition the spider higher on the spindle.
- If the pedal tends to fall backward to a lower pitch, you may reposition the spider lower on the spindle.



Check the adjustment

- If the issue persists, please continue the adjustment steps until the result is satisfactory.
- If the pedal still doesn't function properly, the timpani head likely needs to be replaced. (Refer to **V-I**)



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