Section 1: Assembly.

1.1: Attach the Middle Arms to the Base Section. The 9909 Lifter comes with two outer support arms already connected to the base section. To attach the longer (Inner/Middle) arms:
   1. Place the base section on a flat surface with the pedal connection bar facing towards you then loosen and rotate the two Outer arms so that the arm on the right is at the “2:00” position and the arm on the left is at the “10:00” position.
   2. Remove the wingnuts and washers from the bolts in the two round fittings in the middle of the base section and place the ratchets-end of each Inner arm on top of the spring and bolt, making sure the teeth on the bottom side of the ratchet face the teeth on top of the fitting. This will ensure that the foot of the foot/height adjustment mechanism on the opposite end of the arm is facing down and the lifter’s telescoping Riser section is facing up— matching the alignment of those parts on the Outer arms.

1.2: Insert the Riser Tubes. The 9909 comes with a set of 3.5” and 4.5” Riser Tubes. Depending on the size and shape of the drum, your set-up may require Tubes of one length or a combination of lengths. Each Riser Tube features a rubber foot on one end. To insert the Tubes:
   1. Loosen the wingnuts on each of the four telescoping Riser receivers on the Inner and Outer Arms.
   2. Insert the open end of the tube into the Riser’s telescoping receiver on each arm and tighten the wingnuts.

Section 2: Basic Positioning.

2.1: Attach The Pedal. Place the assembled Drum Lifter on the floor and attach the drum pedal (available separately) to the pedal mounting bar.

2.2: Level The Feet. Loosen the round, knurled nuts on the top of the foot/height adjustment mechanisms on all outer arms and adjust the height of each mechanism so that the Lifter is stable and does not wobble. Once the desired level is achieved, tighten both the top and bottom knurled nuts to lock the position.

Section 3: Adjusting the Arms and Risers.

Note: The Lifter’s patented Arms and Risers are designed to allow for the widest variety of adjustment. The angle and spacing of the Arms can be changed while the Risers can be independently adjusted up-and-down, back-and-forth and side-to-side. This unique range of movement allows the 9909 Lifter to accommodate a full assortment of drum shapes and sizes.

To align the drum to achieve the desired feel and impact area, the positions of the Arms and Risers may all need to be individually adjusted— especially for irregularly shaped drums such as congas and djembés. The following suggestions provide a starting point for mounting your drums. Feel free to experiment to find the optimum settings for your instruments. However, to protect and secure your drums, be sure to maintain the stability of the Lifter and that the drum is balanced and supported by contact with the rubber feet on the Risers at all times.

3.1: Arm Adjustments. To change the angle of an arm, loosen the wingnut of the ratchet end of the arm and rotate it to the desired position, then tighten the wingnut.

3.2: Riser Adjustments. Each Riser is capable of four independent adjustments: angle, rotation, distance and height.
   - Angle/Height: To change the angle or height of the Riser, loosen the wingnut on the ratchet section of the riser and angle the telescoping receiver to the desired position.
   - Rotation/Distance: The position of the Riser can be changed by loosening the wingnut on the hinged Riser Clamp and sliding (back-and-forth) and/or rotating (side-to-side) the Riser to the desired position on the Arm.
   - Height: Further height adjustments of the Riser can be achieved by raising or lowering the Riser Tubes in the telescoping receivers and/or using the alternate Riser Tubes (provided).

Section 4: Drum Position.

4.1: Drum-Beater Angle. For optimal performance, the drum should be positioned so that the head is at a 90° angle (perpendicular) to the floor and so that the beater makes contact with the drum when the beater is at or just past its most vertical stroke position.

4.2: Drum-Beater Height. Generally, the beater should hit the center or an area 1–2 inches above or below the center of the drum. To align the drum for the desired feel and impact area, the angle of the Arms, and height and distance of the Risers, may all need to be individually adjusted— especially for irregularly shaped drums such as congas and djembés.

Section 5: Drum Set-Up Suggestions. (Your set-up may vary)

5.1: 16–18” Tom-Toms (Basic Lifter Set-Up)
   1. Begin with the Arms in their original positions (see sections 1 and 2), the Risers straight-up and the short Tubes at their lowest position in the receivers.
   2. Move the Risers on the Inner Arms to a point approximately 2.5” to 3” from ends of the Arms with the foot/height adjusters. Move the Risers on the Outer Arms so that they are approximately 2.5” to 3” from the ratchet (base section) ends.
   3. Place the drum on the Lifter and raise the Riser Tubes using the telescoping adjustment on the Outer Arms so that they make contact with the drum and support it in a horizontal position. Check the beater position and height. If the drum is too high, try repositioning or angling the Risers downward to find a more desirable position.

5.2: Congas
   - Modify the basic set-up (5.1) by moving the Risers on the Inner Arms all the way to the end of the Arms with the foot/height adjusters. Adjust the height/angle/position of the Inner Arm Risers so that the conga is supported in a horizontal position.

5.3: Djembés
   - Modify the basic set-up (5.1) by first replacing the short tubes on the Inner Arm Risers with the longer tubes. Move the Risers on the Outer Arms so that they are positioned approximately 2.5” to 3” from the foot/height adjusters. Place the djembe on the Lifter and hold it in a horizontal position while angling the Inner Arm Risers backward (towards the drum) so that they make contact with and support the drum.

5.4: Final Adjustments
   Make any necessary modifications to the positions of the Arms and Risers to achieve the optimum height, angle and stability of the drum.

Section 6: Pack-Up

6.1: Memory Settings. For greater set-up convenience, each Lifter Arm has a notch on the ratchet end that aligns with specially placed notches on the Base Section. These settings can be recorded on the charts below and used to remember and restore the Lifter’s position settings.

6.2: Condensing the Lifter. For the most compact transport, we recommend memorizing the Arm angle settings (as described in 6.1), then moving all the arms to their “12:00” positions and lowering the angles of the Risers without changing their position or height. This will also allow the quickest, most consistent set-up for each performance.
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— Don Lombardi
president, Drum Workshop, Inc.