



African Mahogany Umbrella: Pole & Hubs Repair Guide

WARNING:

- ◆ While the umbrella is easy to handle, keep in mind the weight and size of the umbrella to avoid injury.
- ◆ When opening and closing the umbrella, make sure to clear the immediate area to avoid injury to others, damage to the umbrella or damage of property.
- ◆ **Do not attempt repairs under windy conditions.**

Tools Needed:

- Phillips Screwdriver or Power Drill
- 2 Allen Wrenches 5/32
- Rubber Mallet
- Ladder
- Clean Table or Other Firm Surface

Instructions:

1. Make sure your umbrella is up on a base or stand. Carefully use a ladder to access the top.
2. Please review the “African Mahogany Umbrellas: Canopy Repair Guide” for detailed instructions to remove the canopy and finial. Keep track of everything you remove, including the hardware.
3. Once the finial and canopy are off of the umbrella, set them aside in a clean, safe area.
4. Remove the rope from the umbrella carefully. If the rope needs to be cut, be sure not to cut it too short or you will need to replace it. Please review “All Umbrellas: Rope Repair Guide” for detailed instructions.
5. **Only if you are replacing the pole**, unscrew the double pulley from the pole.
6. **Only if you are replacing the sliding hub**, unscrew the leather strap from the sliding hub.
7. Remove the umbrella from the base or stand and set it safely on a table or other firm surface.
8. Remove all of the rib bolts with two Allen wrenches from the U-brackets, one rib at a time.
9. **If you are only replacing the sliding hub**, please skip steps 9,10 and 12.
10. Three screws on the U-brackets in the top hub will look different than the other screws holding the u-brackets in place. Remove those three screws. If uncertain, remove all U-bracket screws from the top hub. Those three screws are longer than the others and help hold the pole in place.
11. Tap the top hub off from the bottom with a rubber mallet. Hit in a circular pattern to make this easier and to avoid breaking the hub and pole.
12. Slide off the old part you wish to replace out and slide the new part in. To ensure everything is lined up correctly: Align the double pulley on the pole with the single pulley on the sliding hub. Also, line up all U-brackets on the top hub to the U-brackets on the sliding hub.
13. **If removed**: replace the three long screws to the top hub, and /or replace the double pulley onto the pole.
14. Replace the rib bolts connecting the ribs to the hubs, one rib at a time, using the two Allen wrenches. Be sure that the longer piece of the rib is attached to the top, smaller piece attaching to the sliding hub.
15. Carefully secure the umbrella back up on the base or stand. Carefully use a ladder to access the top.
16. Re-install the rope and leather strap (**if the sliding hub was replaced**), then the canopy and finial. Please review the “All Umbrellas: Rope Repair Guide” and the “African Mahogany Umbrellas: Canopy Repair Guide” for instructions.

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