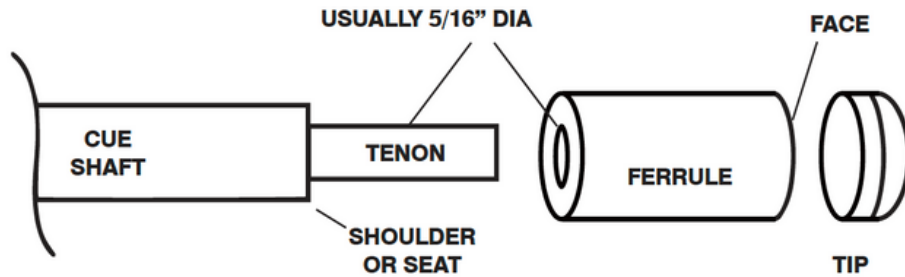


# BASIC STEPS FOR CUE TIP REPLACEMENT



**REMOVE THE WORN-OUT TIP.** Use pliers, a sharp knife or razor blade to remove the tip. Work slowly and carefully to remove the old glue or leather from the ferrule. Scuff the ferrule top with a 180 - 220 grit sandpaper and a flat sanding block. Make sure the ferrule top is flat and level.

**CLEAN THE FERRULE.** Thoroughly clean the ferrule with rubbing alcohol, remove glue, chalk, or leftover dirt off of the ferrule.

**PREPARE THE CUE TIP.** Scuff sand the bottom side of the cue tip to make it rough. You want the backside of the tip to be rough so it will absorb the glue.

**PLACE THE TIP AT THE CENTER OF THE FERRULE.** Apply cement glue to the ferrule top, center the tip on the ferrule, position the cue clamp in place on the cue shaft over the top of the cue tip, slip the compression ring over the cue clamp and pull down firmly to eliminate air pockets that may come between the tip and ferrule. Use a dry cloth to wipe off any excess glue on the sides of the ferrule.

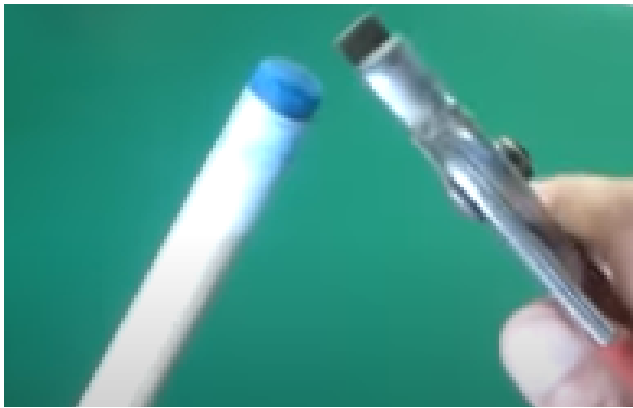
**LET THE GLUE DRY.** Allow the glue to completely dry, approximately 15 minutes.

**SHAPE THE CUE TIP.** Carefully remove the compression ring and cue clamp, with the tip down position the cue stick on a flat surface and trim the cue tip edges flush with the edge of the ferrule.

**SHAPE THE CUE TIP.** At this point, the cue tip is firmly attached to the ferrule. Most new cue tip tops are flat, shape the cue tip with sandpaper, or a cue tip shaper tool. Make sure the edges of the cue tip are radiused, if the cue tip has sharp edges it can easily cut into your table cloth and damage it. When completed your cue tip should have a convex or domed look with a slight radius on the edges.

# Cue Tip Replacement - Cue Clamp Usage





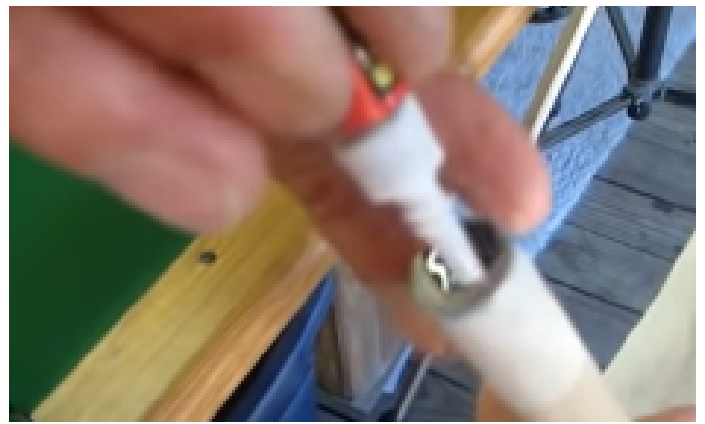
Carefully remove the old cue tip with pliers, a sharp knife or razor blade



Scuff ferrule top with flat block/180/220 grit sand paper  
(Keep the ferrule top flat and level)



Thoroughly clean the ferrule with rubbing alcohol



Apply cement glue to ferrule top



Center new tip on the ferrule



Position the cue clamp in place on the cue shaft  
(Over the top of the tip)



Slip the compression ring over the cue clamp and pull down – the goal is to provide medium downward pressure on the cue tip firmly holding it in place until the glue dries .  
Allow proper glue dry time - approximately 15 minutes



Remove the compression ring and cue clamp



Shape the cue tip with sandpaper or a cue tip shaper tool. When completed your cue tip should have a convex or domed look with radiused edges