

# tone control replacement on the wah wah pedal

Because of the way the Wah Wah pedal is used, it will be necessary to replace the Tone Color control periodically. This may be accomplished readily by the artist or serviceman, in a few minutes time using the tools listed.

Pair of side cutters

Electric soldering iron (or soldering gun)

Flat bladed screwdriver

1/4" Hexhead spintite

Small crescent wrench or long nose pliers

Small amount of rosin core solder

1. Remove the four (4) screws securing the bottom cover to the Wah Wah pedal. Unsolder the two blue wires at terminal #1 of the control.
  2. Unsolder the single yellow wire at terminal #2 of the control.
  3. Using the side cutters, cut the lug off at the point just behind the two bare wires soldered to terminal #3. See fig. #1. This disconnects the wiring to the Tone Color control.
- NOTE:** Cutting the lug rather than the leads will insure your having enough lead length to resolder the looped wire to terminal #3 of the replacement control.
4. Loosen the screw labeled point "A" so that the rack gear support (B) may be moved back away from the control pinion gear.
  5. Loosen the nut labeled "C" in the illustration so that the control may be removed from the mounting frame.
  6. Positioning the replacement control assembly in the mounting bracket and tighten the nut (C) to hold it securely in place. Resolder the leads to terminals #1, #2 and #3.

## PROPER ADJUSTMENT OF THE TONE COLOR CONTROL

7. Squeeze the pedal to its fully closed position, enough to compress the rubber spacers under the front edge of the chrome pedal. Viewing the control as shown in figure #1, rotate the control pinion gear to its maximum counter-clockwise position and engage the rack gear with the control pinion gear.
8. Now disengage the rack gear again and rotate the pinion gear clockwise one tooth (or notch).
9. Re-engage the rack gear in this position and slide the rack gear support (B) lightly against the back of the rack gear and tighten the mounting screw (A). This adjustment will assure the tone color control of being in the proper position for maximum effect\*.

To complete the installation add a small dab of Vaseline to the surface of the pinion gear and replace the bottom cover.

**\*NOTE** In some instance the musician may prefer to have the pinion gear advanced one additional tooth (ie.; 2 teeth instead of 1). However this is a matter of individual preference.

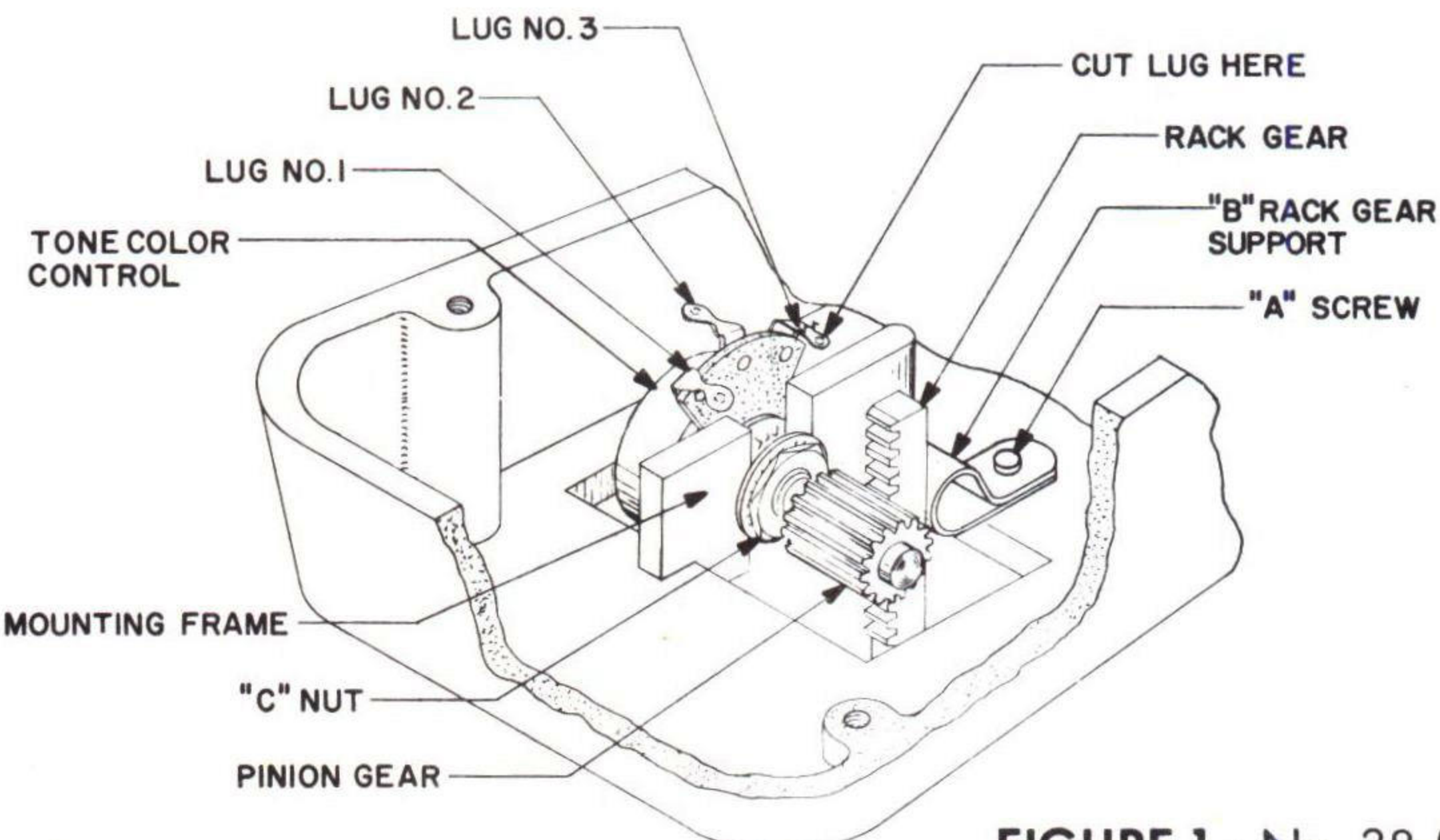


FIGURE 1 - No. 38-5484-0