

INSTALLATION INSTRUCTIONS
WURLITZER KIT 215, PART NO. 136078
REPLACEMENT TAKEOUT ARM AND PIVOT CASTING ASSEMBLY
FOR EARLY 3400 SERIES PHONOGRAPHS

LIST OF PARTS

1 - 136083	Record Arm and Gear Assembly
1 - 133556	Pivot Casting and Bushing Assembly
1 - 134871	Cover
2 - 134864	Spacers

1. Remove A-3 record from record magazine.
2. Remove old pivot casting and bushing assembly (see Fig. 1).
3. Install new pivot casting and bushing assembly, Part No. 133556. Readjust both the 1 Side solenoid stop screw and the 2 Side release switch, see 3400 Series Service Manual, Section C, Page 13C and 17C for adjustment procedures.
4. Push bail rod down until it touches the pivot casting and shaft assembly. Anchor bail to the pivot casting using a piece of tape or strong string (see Fig. 1).
5. Remove retaining ring, washers and spring washers from shaft of record takeout arm (see Fig. 1). Do not remove takeout arm at this time.
6. Select selection A-3. Turn service switch to off position just as record takeout arm starts to raise. Turn service switch to on and then immediately to the off position to place the record takeout arm and its shaft in a vertical position (see Fig. 2).

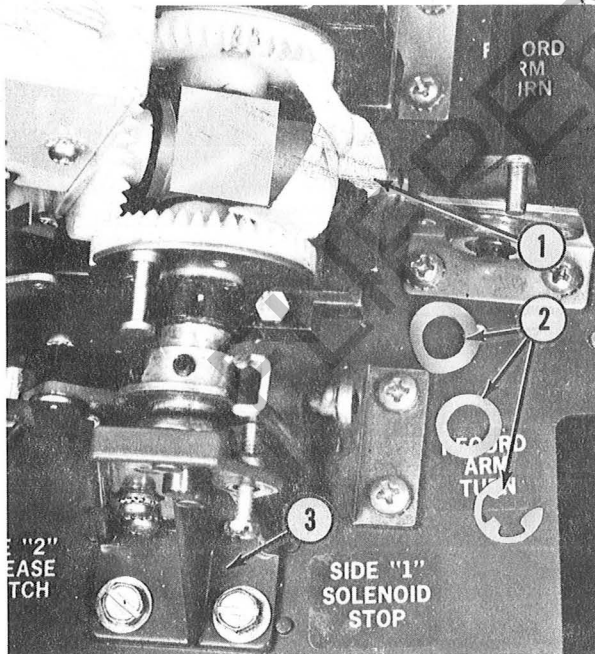


FIGURE 1

1. Bail Tiedown
2. Spring Washer, Washer and Retaining Ring
3. Pivot Casting and Bushing Assembly

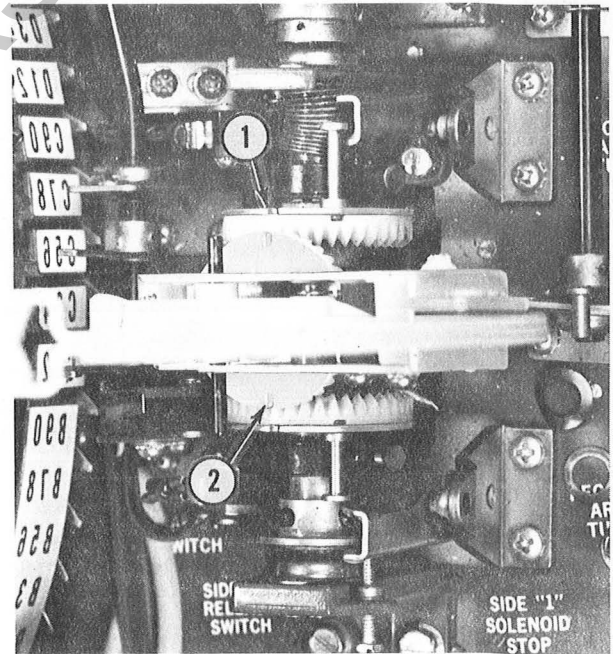


FIGURE 2

1. Timing Marks
2. Timing Marks

7. Before removing takeout arm, note raised timing marks on takeout arm's beveled gear and also the timing notches in each of the gear and plate assemblies (see Fig. 2). Remove takeout arm.

8. Install new takeout arm, Part No. 136083, being sure timing marks are in accordance with the bevel gear of the arm and the notches in the gear and plate assembly.
9. Push the arm towards the record magazine by applying a downward pressure to the center portion of the new die cast arm and install spring washer, flat washers and retaining ring.
10. Untie bail shaft.
11. Remove cover over turntable motor and the two spacers from the turntable mounting plate and roller assembly.
12. Place a 6.812" fixture or disc, Part No. 135551, in takeout arm.
13. Set record takeout arm stop screw 1/8" to 5/32" below turntable pad, see 3400 Series Service Manual, Section C, Page 15C, Paragraphs A and B for identification.
14. Release turntable pilot by manually applying pressure to the 33-1/3 spindle. Turn service switch to on and then to off position just prior to fixtures placement on the turntable. Check for turntable centering. Readjust turntable for centering if necessary (see Fig. 3).
15. Adjust the 1 Side takeout arm turn adjustment so disc is parallel with turntable and fixture is in line with the bottom of the grooves of both rollers within 1/32" to 1/16" below the turntable, see 3400 Series Service Manual for record takeout arm turn adjustment, Section C, Page 14C for identification of 1 Side and 2 Side adjusting screws.
16. Place scan-run-load switch in load position and turn off service switch just as fixture is entering the record magazine. Loosen lock nut and adjust record takeout arm adjust screw (heating of adjustment screw may be required to break the threads loose...use hot soldering iron on screw) so disc enters the center of the two spacers, see 3400 Series Service Manual record takeout arm alignment, Section C, Page 12C, Paragraphs A and B. If centering in the A-3 position cannot be satisfied, repositioning of the magazine lock solenoid may be necessary and then readjust takeout arm adjust screw. If the magazine lock solenoid is moved, readjustment of the readout arm will be required, see 3400 Series Service Manual Side 1 cancel solenoid adjustment, Section C, Page 7C for adjustment procedure.

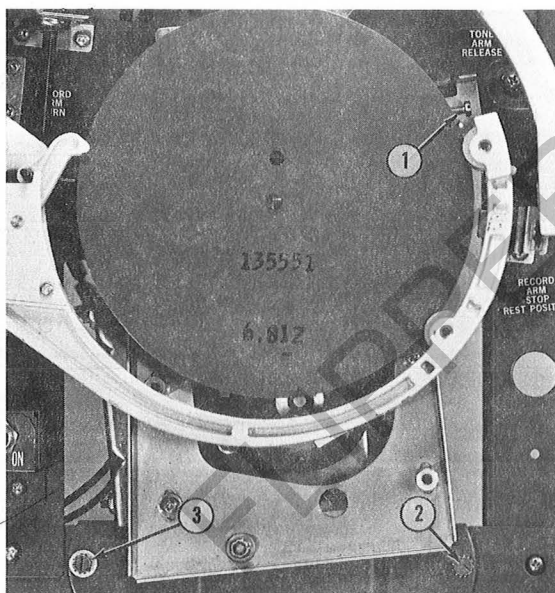


FIGURE 3
 1. Adjusting Screw
 2. Mounting Screw
 3. Mounting Screw

17. Select selection A-4 and recheck turntable centering and also adjust Side 2 record takeout arm adjusting screw, see Paragraph 15 of these instructions.
18. Install two new spacers, Part No. 134864, on turntable mounting plate.
19. Install new cover, Part No. 134871, over turntable motor assembly.
20. Remove the fixture from the magazine and replace it with A-3 record.
21. Check the phonograph for operation, both 1 and 2 Side selections.

CAUTION: Extreme care has been exercised in preparing the RECORD ARM and GEAR ASSEMBLY for delivery to you without damage. HOWEVER, handling for packaging, subsequent to final inspection of this part, cannot be guaranteed to be faultless. THEREFORE, in the event proper adjustments cannot be accomplished with this particular part, please return it for replacement.