



Marmark Bellcraftsmen

Often copied — Never Equaled!

Bell Crest Park, P.O. Box 1200 • Plumsteadville, PA 18949



CHOIRCHIME® INSTRUCTIONS

Bulletin No. 120884 • April 2, 1991
Manufactured before December 1992

A coin envelope was included in each case when purchased. That envelope contained a key to the case and a 1/16" hex key. No other tools were supplied or needed, and the hex wrench is supplied only in the event of the accidental loosening of the Set Screws which secure the Clapper Bushing to the Clapper Shaft, or for the adjustment of the Bearing Adjusting Screws (2) located at the end of the Bearing Block.

Refer to the drawing of a typical chime tube which follows to help in the identification of parts. Note the location of the Set Screws on the underside of the Clapper Bushing securing it to the Clapper Shaft.

The Clapper Head is secured by a single clapper Restraining Screw in the Clapper Bushing. On notes C5 and above the Clapper Head has a series of holes, slots, and solid area, one of which is aligned in the plane of impact. The proper position has been selected at the factory and no attempt should be made to change it. The Clapper Head is not hand adjustable as it is on Marmark Handbells, so do not attempt to rotate or force it into another position, else you may loosen the bushing from the Clapper Shaft.

At its other end, the Clapper Shaft pivots or swings from a Bearing Hole in a two-piece Bearing Block. Just before this point is a rectangular Slideable Bumper located on the Clapper Shaft so as to hold the Clapper Head away from the surface of the Chime Tube. The Slideable Bumper may be moved forward or backward to position the Clapper Head closer or farther from the Chime Tube surface to suit the preference of the ringer. To do this, grasp the Slideable Bumper by its sides with the thumb and forefinger and slide it up or down the Clapper Shaft to its desired position. In the event not enough clearance exists, between the underside of the Clapper Head and the top of the

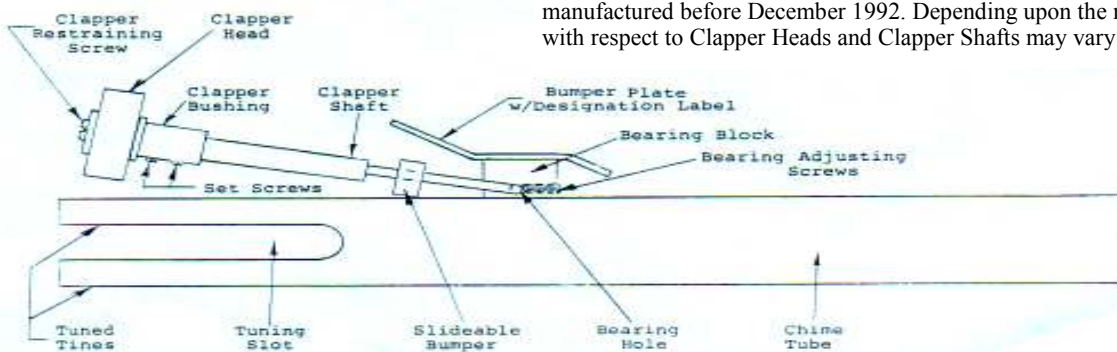
Chime Tube (because the chime may have been dropped and the Clapper Shaft bent), the Shaft may be re-bent to give the desired clearance using the fingers only. In this case, always make the bend at the location of the Slideable Bumper. The Clapper Head must clear the Chime Tube surface when the Chime is held in a horizontal position. If the Clapper Head lays against the Chime Tube after it is rung, it will not permit the Chime to ring properly.

The Clapper Shaft Assembly is restrained on the back stroke through contact on the top side of the Slideable Bumper against the underside of the Bumper Plate which is secured to the Chime Tube by means of two screws through the Bearing Block. These screws are not visible as they are covered by the pressure sensitive Designation Label bearing the musical note and its location on the staff. Only deliberate abuse will cause loosening of these screws. In such an event, the Designation Label may be peeled back by lifting a corner using a sharp blade, then peeled back enough to give access to the screw heads. After retightening the screws, the label can be rebounded to the Bumper Plate by repressing, or if needed, glue.

Little or no maintenance of your Choirchime® is necessary. Should mechanical noises be encountered, merely check the tightness of the Set Screws in the Clapper Bushing. If they are tight, check the fit of the axle portion of the Clapper Shaft in the Bearing Hole in the Bearing Block. If a fair amount of movement or wobble is noted, tighten the two Bearing Adjusting Screws only a tiny fraction of a turn using a 1/16" hex wrench. Continue until there is no wobble or side-to-side movement, making sure that the Clapper Shaft still pivots freely. If there is evidence of any binding, slightly loosen the two Adjusting Screws.

CHOIRCHIMES®

This illustration is representative of the majority of Marmark CHOIRCHIMES® manufactured before December 1992. Depending upon the model or series, clapper details with respect to Clapper Heads and Clapper Shafts may vary with respect to this drawing.



Curtis Murdock, Consultant • 800.868.0101 • www.MurdockMusic.com

706.202.1072 in Athens, GA • MurdockMusic@yahoo.com