

INTRODUCTION

The purpose of this manual is to give you, in brief, the minor instructions for the care and inspection of our aircraft magneto so you will receive from it the many hours of dependable service to which you are entitled.

This is not intended to be a Service Manual, as our many Service Stations throughout the world have these instructions along with the necessary testing equipment and special tools which are necessary to do a competent service job. Too often the life of a magneto has been shortened because a Serviceman has attempted to overhaul these instruments without the proper testing equipment, tools and information.

Although the J. I. Case Company is a new name in the aviation field, and J. I. Case magnetos are new to most aircraft personnel, we are not new in the magneto field, as we have been developing and manufacturing magnetos in quantity more than fifteen years.

You will find some of our methods are different from those to which you are accustomed, but after you have studied them and see their simplicity you will agree they are an advancement in magneto design.



022CMT Timing Gage

TIMING GAGE

Due to the location of the magneto on the airplane engine, it is very complicated to assemble or periodically check the magneto and usually takes a lot of time, because of interferences and the fire wall being so close to the magneto.

We have developed a very unique device for use with our aircraft magnetos, which simplifies the timing of the magneto within itself, as well as the assembly of the magneto onto the airplane engine. This is our Aircraft Magneto Timing Gage 022-CMT.

Remove the Case magneto from the engine, take it to bench, remove the distributor cap and disc, inspect thoroughly. Then, with the assistance of this gage, you can, if necessary adjust the contact points, reassemble the distributor disc and cap, and assemble the magneto back on the engine. It is not necessary to remove the distributor cap while the magneto is on the engine. This gage enables you to do a much better job in much less time if you will carefully follow these instructions.