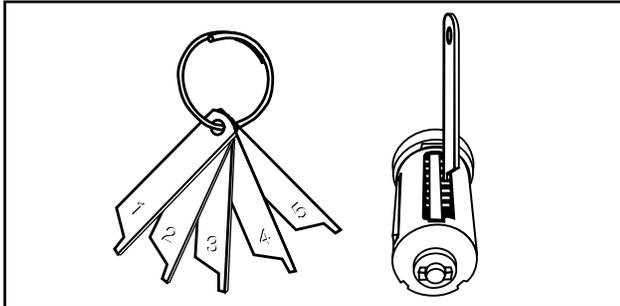


Instructions



General Motors Tumbler Decoder Gauges



No. GMTD-5

The HPC GMTD-5 eliminates the guesswork when reading the tumblers on six-sided GM keys. There is no need to take apart the lock plug waste key blanks by “eye-balling” the depths .

1. Shown here is an exploded view of a GM cylinder core with a cut-away section, exposing the 6 wafers and the dividing walls on the inside. See Fig. 1. Since the correct key is not present, it becomes necessary to read the wafer depths, in order to produce a workable key.
2. Hold the plug so that your finger is exerting pressure on the side-bar.
3. Rake the tumblers with a picking tool. Remember to keep the pressure on the side-bar. It is probable that the front wafer will fall into the open position first, and the side-bar will tilt inward. With further raking, the other wafers will move into the open position also, and the side-bar will be fully pressed down into the case- keep it there! See Fig. 1.
4. Now we are ready to use the gauges. Look down into the square holes at the top where the wafers may be visible. The wafer tops can be seen sitting at various

levels. With the aid of the decoder gauges, we shall read them.

5. If you will notice below (Fig. 2), the the gauges are used with the shoulder side toward the back of the plug. They are used in this manner for the first five spaces only. For the *sixth* space, (closest to the back of the plug) the gauge should be used *with the shoulder facing the front*.
6. To begin decoding, start with the first space position (closest to the front of the plug). Use the longest gauge (No. 5) and work your way down to the shortest one, whose shoulder lies flat on the surface of the divider walls. These dividing walls are indicated in the diagram below, by the darkened areas.

NOTE: It is important that you do not pass up the correct gauge, because the shoulder of all gauges shorter than the correct one will also lie flat and appear to be correct!

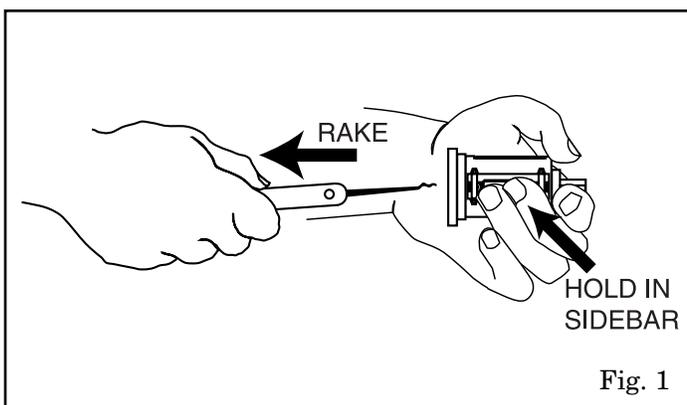


Fig. 1

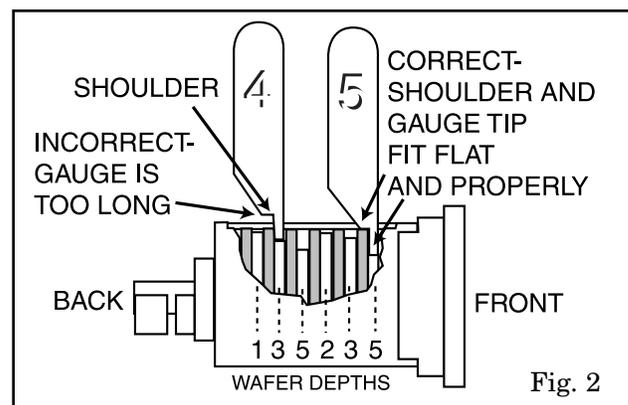


Fig. 2

033100 35T00-105-00