

Adjustable lifter instructions

When setting up the proper rocker arm geometry and pushrod length, it is important to use a checking lifter that is the same internal length as the final assembly lifter. Chrysler lifters from different sources may vary in internal length.

To use the adjustable lifter:

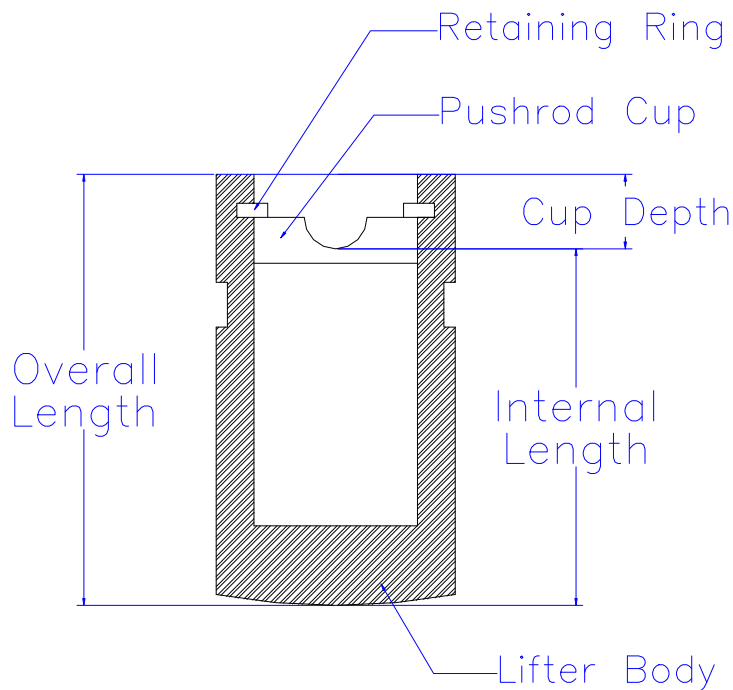
1. Measure the internal length of the lifter you intend to use for final assembly. This is best done with a 1.0"-2.0" micrometer and ball adapter. If a ball adapter is not available, measure to the bottom of the pushrod cup (Illustration #1) and subtract it from the overall length of the lifter body (Formula #1).
2. Determine the preload amount you will use during final assembly and subtract that from the internal length (Formula #2). This gives you the running length. Use the following chart to determine the proper preload. This preload is the amount of space (when assembled) between the top of the pushrod cup and the retaining ring.

<u>Application type</u>	<u>Turns</u>	<u>Preload</u>	<u>Sound</u>
RV/Cruiser, 4 x 4	2 to 3	.085"/.148"	Quiet
Street use	2 to 3	.085"/.148"	Quiet
Bracket racers/Oval track	1/2 to 1	.022"/.042"	Some will click
Record attempts	0 to loose	.000"/+.003"	Tick all the time

(One turn = .042")

3. Adjust the Hughes Engines adjustable lifter to your running length and use this lifter to complete your pushrod length and rocker arm geometry measurements.

Illustration #1



Formula #1

$$\text{Overall Length} - \text{Cup Depth} = \text{Internal Length}$$

Formula #2

$$\text{Internal Length} - \text{Preload} = \text{Running Length}$$

If you have any questions call Hughes Engines at 309-745-9558