

Rix Clone Max Lift/Cam Duration Gauge

Check Max valve running lift by using the valve retainers as a reference point.

Also check cam profile directly off the pushrods. Cam profile requires additional tools: degree wheel, wheel pointer, and piston stop.



Checking Max Lift:

1. Secure the engine in an upright position. Remove valve cover and spark plug.
2. Remove the small 4/48 socket head screw and thread it into the bottom of the dial indicator's shaft, finger-tight only.
3. Use 6mm cap screw to attach the indicator bracket to a valve cover cap screw hole.
4. Position the 4/48 screw over the edge of the valve retainer, then tighten 6mm bolt.
5. Rotate engine to TDC compression stroke and zero the indicator's bezel.
6. Rotate engine counter-clockwise, looking at the degree wheel until max lift is reached.



Checking Cam Duration/Profile

1. Use a degree wheel, degree wheel pointer and piston stop bolt to accurately set up the degree wheel to "0" TDC compression stroke.
2. Remove the 4/48 cap screw from the bottom of the indicator shaft.
3. Remove rocker arm adjuster and lock nut.
4. Place indicator bracket over rocker stud and align push rod to meet indicator shaft.
5. Check for push rod alignment to make sure it does not drag on the edge of the plastic guide. Hold indicator bracket in place then, tighten down with rocker adjuster.
6. Roll engine over and check for free movement of the indicator dial and push rod.
7. Recheck wheel set-up accuracy and use bezel to set indicator to "0" at TDC.
8. Roll engine counter-clockwise facing the degree wheel and make profile checks.