CROWER

LS-7 STOCK GM ALUMINUM HEAD INSTALLATION INSTRUCTIONS

MACHINE WORK REQUIRED FOR STAINLESS STEEL SHAFT MOUNTED ROCKER SYSTEM.

Crower manufacturers its shaft rockers to head manufacturers standard configuration for max lift. If your application has modification, such as longer valves so you can achieve more lift. Then it may require customization to maintain correct geometry.

You must machine down original GM rocker pedestal at 7° degree angle, same as hold down bolts. Cut pad area only **(DO NOT CUT ACROSS THE INTAKE PORT.)** **LS-7** comes with stock Titanium intake valves, so you need to use lash caps on them. Make sure you have lash cap on valve when checking stand height. Machine pedestal down approximately .500" from bottom of radius in stock pedestal as shown in **Figure 1.**

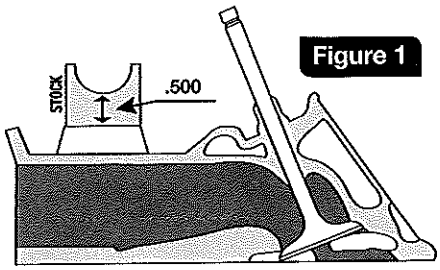

Figure 1

Sneak up on it, check with gauge a couple of times. If you have .750" lift it should look like **Figure 2.**

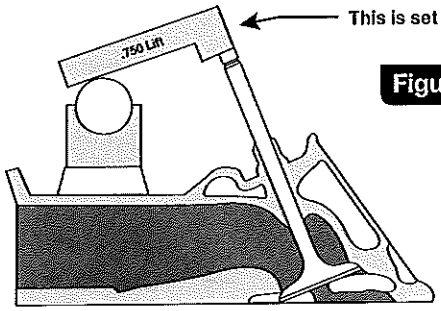

Figure 2

The shaft height gauge supplied is manufactured for .750" of valve lift. For lifts less than .750" the shaft height should be raised by half the difference.

Example you have .650" lift you raise the stand .050" like **Figure 3.**

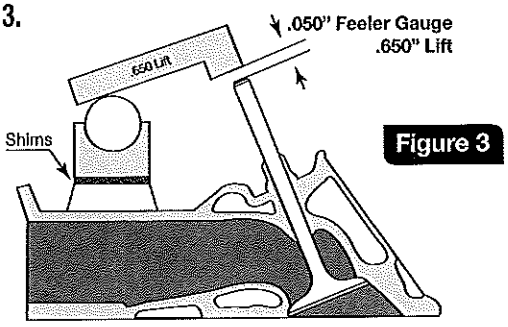

Figure 3

And for lifts greater like .850" you need to lower the stand .050" like **Figure 4.**

For two different lifts .680" on intake and .640 on exhaust split the difference and setup for .660 lift. You can machine down pedestal for your lift , so you won't need shims. 450" For .650" lift and .500" for .750" lift and .550" for .850" lift.

These are approximate dimensions. Valve lengths may very. Double check before machining.

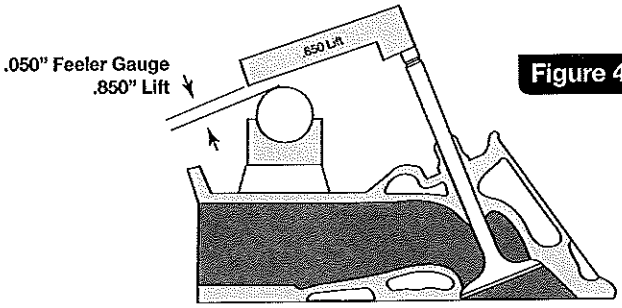

Figure 4

Now drill and tap 8mm x 1.25" hold down bolts, as deep as possible, use caution not to drill into intake port. If you do, use sealant on bolts.

SHAFT BOLT TORQUE SPECS.

5/16-24 25 Ft. Lbs.

BRACKET TO HEAD 8mm 25 Ft. Lbs.