

## HOLTZMAN ENGINEERING, INC., VACUUM SOURCE INSTRUCTIONS (05/09/02)

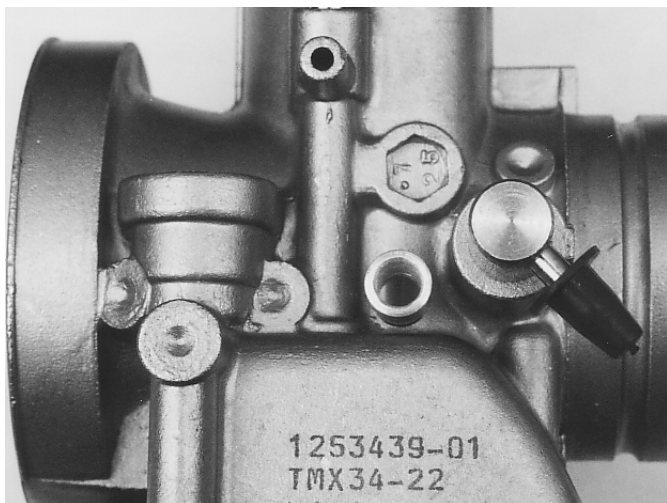
These vacuum fittings are installed in **one carb only**. After determining the location in your carb, choose the carb allowing easiest attachment and exit of the outlet tube and does not interfere with the steering arm. Little or none of the fitting's hole should be visible on the **engine** side of the closed slide or idle may be affected. Suitable adhesives are RED Loctite, super glue, or epoxy. **In all cases, the vacuum fitting must not interfere with slide movement. Loss of vehicle control and possible injury or death may result.** The fitting's .270" dia. step must contact the carb body to insure it cannot be driven inward interfering with slide movement.

### MIKUNI VM ROUND SLIDE



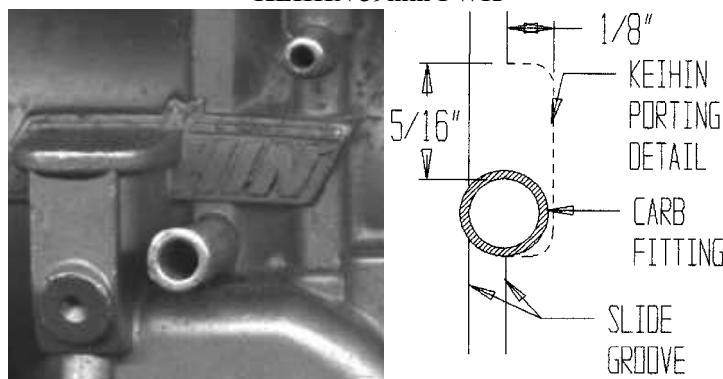
In center of embossing **DIRECTLY ACROSS FROM IDLE ADJUSTMENT SCREW** thru drill 7/32 (.219)". Counterbore (drill) 15/64 (.234)" approximately .125" deep. Apply adhesive and press in vacuum fitting.

### MIKUNI 34mm SNOPRO



Using a drill press and vise, thru drill 15/64 (.234)" centered .325" to engine side of center of **vent tube casting** and .21" above float bowl casting. Apply adhesive and press vacuum fitting firmly against carb. **Optional Slide Modification:** Install slide and mark center of fitting hole on slide edge. Centered on this mark, mill slide edge .25" wide by .175" tall. **Verify free movement of slide.**

### KEIHIN 39mm PWK

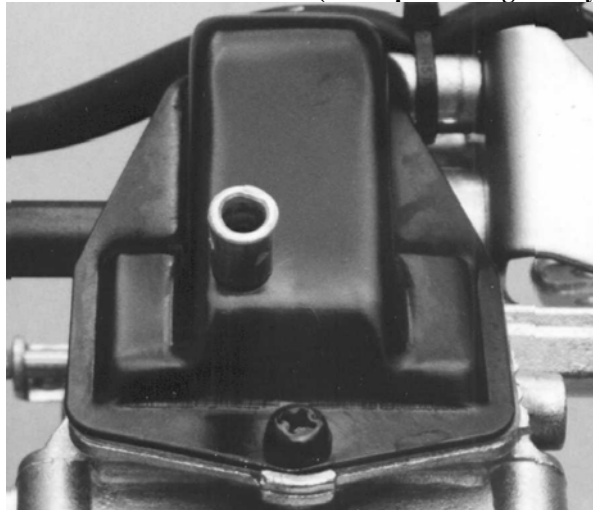


Using a drill press and vise, thru drill 15/64 (.234)" on approximately a 2 degree angle **toward carb inlet bell**; hole center should be centered on flat surface of body and .21" above top of float bowl. Shorten smallest diameter step on vacuum fitting to .07" and de-burr, apply adhesive and insert until .27" diameter step is firmly against carb body. **Verify free movement of slide.**

**Optional Slide Modification:** To provide compensation at lower throttle positions, on vacuum fitting side grind lower corner of slide 1/8" horizontally, 1/8" vertically.

**TEMPA FLOW applications only.** Install vacuum fitting, then use 1/8" ball end mill and Dremel tool and **widen slide groove** (toward the air box side) to depth of slide groove. Use milling detail above as a guide (view is looking at fitting from inside the carb bore).

### MIKUNI TM FLATSLIDE (cover plate designs vary)



Remove slide cover plate, drill a 15/64 (.234)" hole anywhere in plate but avoid slide stop pin, apply adhesive, and press the vacuum fitting's .27" diameter step against plate. On thin plates (Yamaha) the plate can be turned over and the fitting can be riveted to the inside of plate using a punch. Install plate and **verify free movement of slide. Do not use for late model Ski Doo flatslides**; see reverse side.