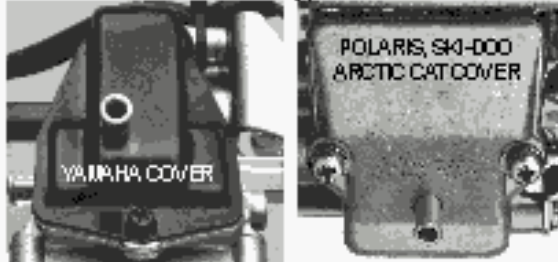
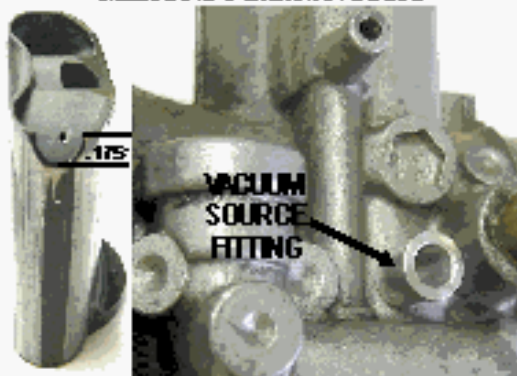


HOLTZMAN ENGINEERING, INC., VACUUM SOURCE INSTRUCTIONS (06.08.08)

Use only this vacuum source fitting installed in **one carb only** as shown; **NO OTHER VACUUM SOURCES CAN BE USED**. Suitable adhesives are **RED Loctite** or epoxy. In all cases, the vacuum source fitting must not interfere with slide movement. Loss of vehicle control and possible injury or death may result.

MIKUNI TM FLATSLIDE (coverplate designs vary)

Remove **one** slide chamber cover plate. Use a **drill press** to drill a $15/64$ " (.234") hole anywhere in the plate but avoid slide stop pin, apply adhesive, and press the vacuum source fitting's 27 " diameter step against the plate. For thin plates (Yamaha), after installing the fitting it can be "riveted" by lightly striking a tapered punch inserted in the carb side hole of the fitting (with the barb end on a solid surface). **Verify free movement of slide**. Do not use for '01 and '02 Ski-Doo twins with flatslide carbs..

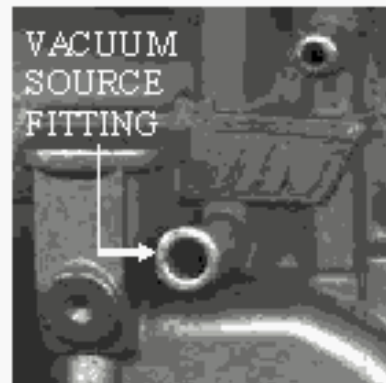
MIKUNI 34mm SNO PRO

Using a drill press and vise, thru drill $15/64$ (.234)" centered on slide and as low as possible so tube will clear float bowl. Shorten smallest diameter step on vacuum source fitting to $.1$ " long, apply adhesive and press fitting firmly against carb. **Optional Slide Modification:** In line with and on the same side as the vacuum fitting, mill lower edge of the slide $.25$ " wide by $.175$ " tall as shown. **Verify free movement of slide**.

MIKUNI VM ROUND SLIDE (No Picture)

Install the vacuum source fitting in **one** slide chamber cover similarly to TM flat slide shown at left, locating the fitting to avoid the slide spring and throttle cable. An air passage at least as large as a $5/32$ " diameter hole must exist through the slide and cable retaining washer in any possible orientation. The slide's off-center hole with milled slot for the throttle cable for the cable are normally sufficient. Drill/modify if necessary.

Arctic Cat with Magnet Block: Remove **one** slide and, with the magnet block still in the slide, drill a $5/32$ " vertical hole through the **block and slide** using the off-center hole in the block as a guide. Remove the block and, near the block's top, drill a $5/32$ " horizontal hole through the block's edge into the off-center hole. Grind a $1/8$ " deep x $3/4$ " long flat on the washer's edge.

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. Use a $1/8$ " ball end mill to widen the slide groove adjacent to the fitting approximately $1/8$ " horizontally toward the air box and $5/16$ " vertically above the fitting to the depth of the slide groove. **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.