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## **Leaking Holly Carburetor    *by Jim Stukenborg***

Smell gas fumes every time you get around the corvette? You pop the hood and check the gas line, but everything seems fine! Then you notice a gas stain below the Holly carb in the area of the accelerator pump.

To provide that shot of gas when the pedal is depressed, the Holly carburetor uses a lever that pushes against a rubber diaphragm on the bottom of the carb float bowl cover. The rubber

diaphragm has a metal pad molded in the center for the lever to push against. This metal pad prevents the rubber from being abraded by the lever, but over time, the rubber can crack along the edge of the pad.

The diaphragm is sandwiched between the carb and the pivot plate for the pump lever and is held to the underside of the float bowl by four Phillips headed screws. At this

point, you can remove the carb and turn it over to remove the screws or take the bowl cover off the carb to gain access to the screws. Either way, you should replace the respective gasket. The diaphragm is about \$12 at NAPA auto parts.

The fix is so simple that no one should take a risk with a leak of this type.

Jim Stukenborg