

## Intake runner gasket swap

Not working on the Dragon today, gonna do a little throttle twisting on my own Gurl today. But was looking through my pictures and decided before I skipped over it I could post a quick easy maintenance item to do. The intake runners have an o ring that seals the gap between the intake and the cylinder head. Like all rubber parts they get old or damaged over time. Our Gurls are 20 years old or closely moving in on it now. So little by little we are having some small failures of some of the rubber parts such as petcock diaphragms, vacuum lines, fuel lines, hoses, timing belts, etc.

When the intake runner o rings start leaking you'll see the idle jump up and down or not idle smoothly, could also have some popping on decell, it's an air leak that is causing an air mixture change to the carbs. This is a simple fix and very cheap to do.

Any tips or tricks you want to add are very welcome, I'm not a mechanic just a do it yourself guy trying to help keep these dragons rolling so we can enjoy many more smiles.



(left) They are sure pretty motors with all that chrome

(right) But when you start seeing signs like this or notice a stumble in the idle, it could be the rubber O rings are starting to seep?



(left) 1st thing I do is to remove the chrome covers off the choke slides. Not worth scratching and it makes it so much easier to remove the intake runner bolts. By removing these it allows you to be able to use a long extension down to the bolts to remove them very easily. Worth the 3 little screws it takes to remove them

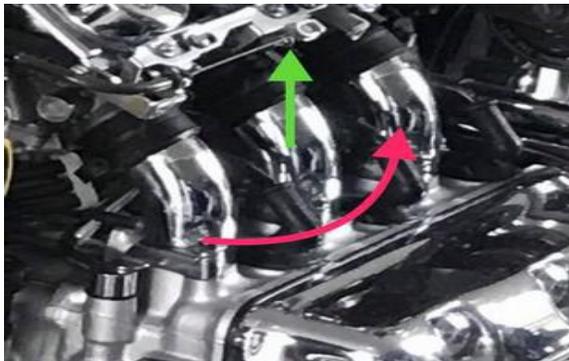
(right) These are the bolts that need to come out.



(left) Take all 6 of them out cause I do one whole side at a time, it's much easier than trying to fight 1 at a time.



(right) Loosen the clamps that surrounds the top of the intake runner.



(left) Once all the clamps are loose and all 6 bolts from the bottom are removed, grab the first one at the bottom and lift the carbs while pulling out and up on the intake runner. It will pop right out. Some may have a vacuum line attached to the back of them to remove also



(right) You want to plug these holes with something to keep dirt or screws from falling in them while working on them



(left) Once all are removed and the holes are plugged I clean the mating surface real good for a tight fit. I smear a little Vaseline around the holes to help the runners slide back in when I replace them



(right) This is what the intake runner looks like out of the mix



(left) Turn it over and you'll see the o ring that needs to be removed and replaced. Clean the surface real good before putting the new o ring on. Just above the red arrow you see a little nipple sticking out, make sure the passage is clean inside these also. Depending if your bike has been desmogged or not you may have some lines still to connect to them. But even if they are capped it's a good idea to clean them so if you decide to sync the carbs it will be clean.

(right) This is the o ring you can get at any hydraulic repair shop with the part #123. Be sure to use Viton o rings that are compatible with gas. Many places you can order them if you'd rather.

Here's one good supplier

<http://redeye.ecrater.com/p/2064055/intake-o-ring-kit-viton-gf>



(left) I keep a jar of this in the shop for aiding in holding o rings and gaskets in place when replacing. Once the motor heats up it's gone.

(right) When replacing the runners back in be sure to pull the rags out of the holes and align the notches, lift the carb body slightly and push it back under and into place. Be sure and hold up on it as you are pushing it in so you don't bugger up or dislodge the o ring from its groove. Put all 3 back in before putting the bolts back in. Then start all 6 bolts and snug them up. Don't over tighten these they will break. 7lb. torque for these guys. Then tighten the clamps back around the tops of the runners and check the others above them while you're there. Make sure the little nipples on the back of the runners are capped off or have the vacuum line back off you removed. Then move to the other side and do it all over again...