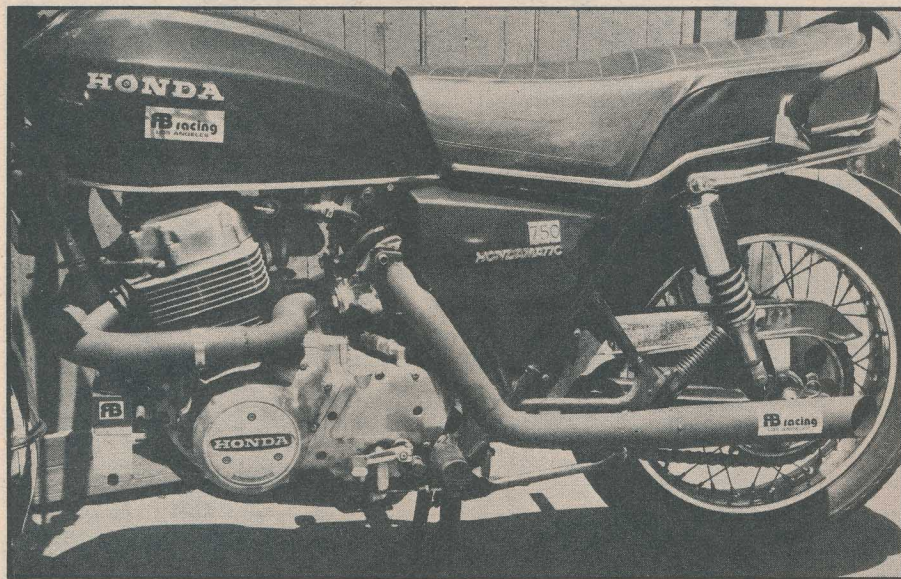


TURBO *Two Speed Charger* HONDAMATIC

BY BOB MANNING, JR.



While to most people this might look like other turbo kits on the market, there are subtle differences inside that improve the performance of the RB kit.



The biggest break away from the normal kit is the use of this Mikuni PHH dual throat carb. The accelerator pump improves the overall performance of this carb, while the choke makes starting a breeze.

If you ask most people in the high performance aftermarket place what they think of the Hondamatic as a potential racer, you'd probably have to wait until they had picked themselves up off the floor and stopped laughing before you'd get a straight answer. Even at that point it would be considered a hopeless venture to get that particular bike to perform.

This would be the typical response if you were considering doing the normal things to make a bike go fast, that is cams, pistons, ignition systems and the like. However, if you take a method of producing power, like turbocharging, getting the Hondamatic to perform well is a whole new ball game.

The first complaint many people have with the Hondamatic is that it is a sluggish performer at best and will barely get out of its own way. Of course after getting off the line the Hondamatic doesn't get much better, it just kind of rambles along.

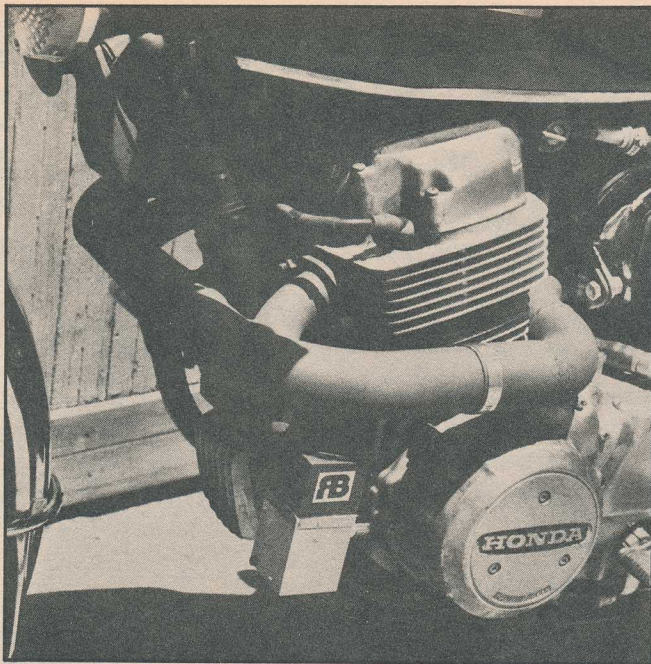
RB RACING here in Los Angeles tried an interesting experiment by mounting their turbocharging system on a Hondamatic. Actually what had happened was this, they needed a test bed for some of the new things they were trying with a turbo kit and the Honda was the only bike available for use as a test animal.

What the RB RACING crew was trying out were different means of carburetion on their turbo kit. They weren't happy with the performance of a Bendix carb and felt there were better carbs on the market that would deliver more performance in the same application. The end result of this experimentation was the use of a Mikuni PHH type carb.

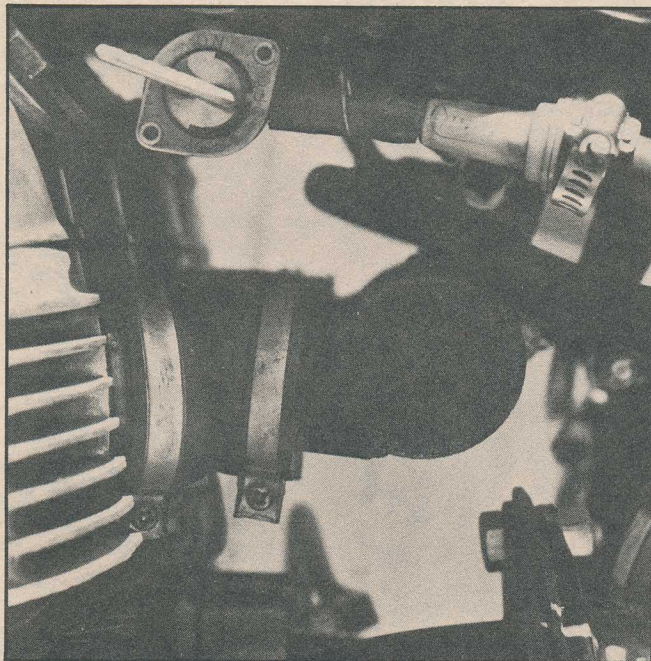
This particular carb is a scaled down version of the Solex dual throat carb used on some cars. In the process of scaling the carb down for motorcycle applications some improvements have been made that upgrade the total performance of the carb.

What you get with this unit is a set of carbs with a choke, accelerator pumps and very good idling characteristics. Of course you also get incredible performance.

On the bike with the turbo you notice how easy it is to ride around town. You don't have all of the hassles of



Waste gate allows you to adjust the amount of pressure which is being pumped into the engine.



Since this was a pre-production model everything was painted black. In kit form all of the exhaust parts will be chromed and polished.

cold starting, you simply pull on the choke, hit the starter and the motor fires right up.

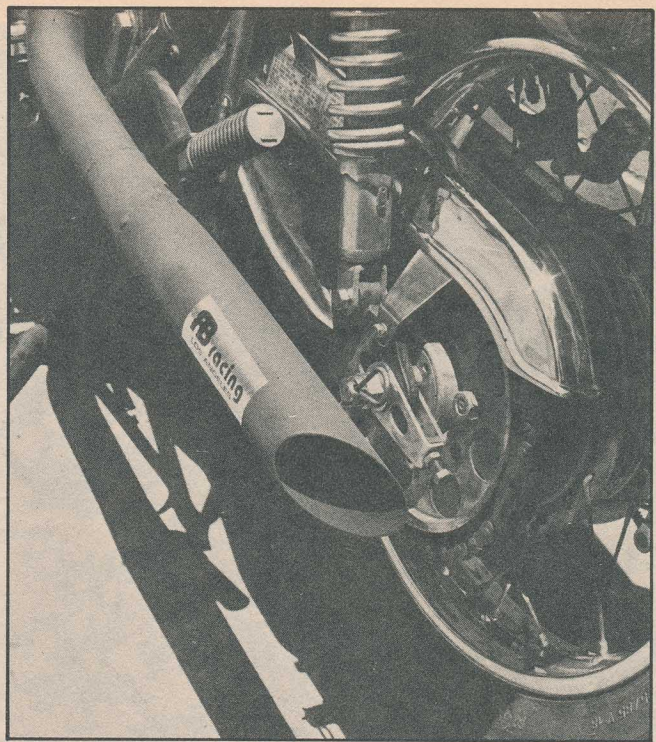
Lowend response is very good. Just to have this capability in the Hondomatic is a blessing. The bike moves right out and gets up to speed rapidly. The only thing we found that was a problem was the velocity stack on the carb kept trying to suck up pant legs. This can be solved by installing the air cleaner that RB RACING supplies with their kits.

Since this was a bone stock motor, there was not too much boost to be had, about 7-8 pounds. This is con-

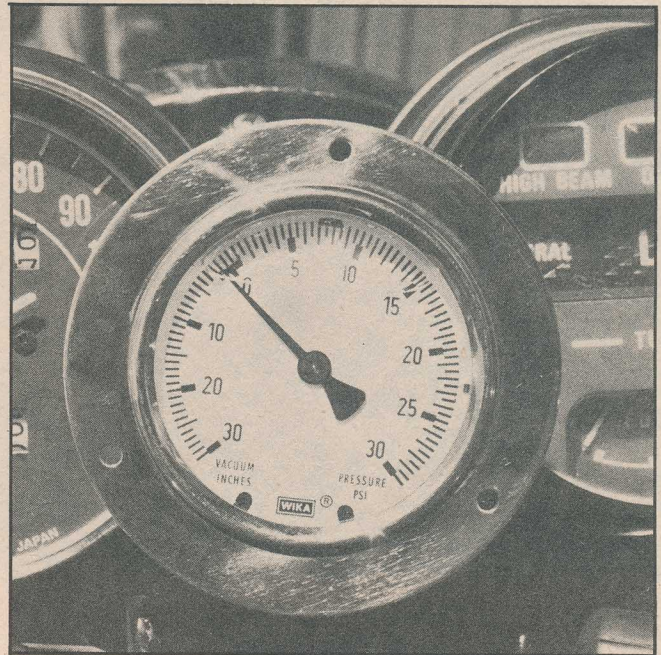
sidered rather standard for a stocker, of course you are able to get much more performance out of the Honda with the installation of a set of turbo pistons in, say, an 836cc size.

At this point the Honda turbo bike would turn into a real fire breather that would have many very large bikes on their toes; even coupled with the Hondomatic transmission you'd have a very fast machine.

These turbo kits are a brand new item in the RB RACING line of performance products. They've spent a long time checking out what other manufacturers are doing and then added a few things



Turbo kits are available for either street application or racing. There is a difference in the way the carb is jetted along with the actual capacity of the turbo.



to make their kit into, what they feel, is the best product available.

Along with turbocharging, RB RACING stocks complete engine kits for the street and track racer alike. If you're interested in products that have been tested and used by racers all around the world, contact RB RACING, they wouldn't sell you anything they wouldn't use themselves.

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