## 1995 HONDA CR500R 2-STROKE PROJECT: BEHIND THE BUILD



1995 CR500R buried in the back of a Southern California garage, we decided to give the masses what they have been asking for—the return of Honda's mighty CR500R!

stroke's return. After our buddy Austin Perkins found a fairly complete but well-used

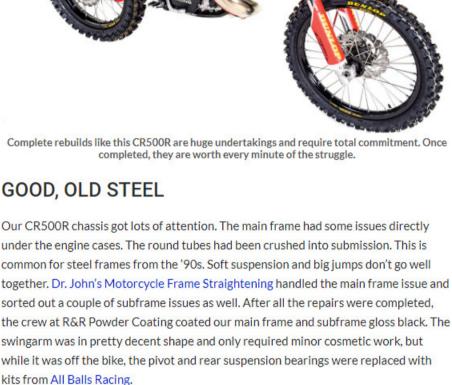


parts are no longer available as new items. Because this machine had been sitting for the better half of a decade, we decided to tear it completely down to the frame,

inspecting everything along the way. It's a good thing we did. The CR500R came

## equipped with Kayaba (KYB) suspension components front and rear in 1995. The shock was a pretty straightforward rebuild process for the crew at TBT Suspension. All

the seals, bushings and oil were replaced. The shock was re-valved internally, and we installed a new spring to match. The front end was a different story. After doing some research, we found out that the KYB fork that Honda used on the CR500R in 1995 was only used for one year because the damping rods were prone to breaking. Recalls were issued in 1995. Of course, we had a broken one, and they are no longer available brand new. TBT and Race Tech worked together to find a part that was close enough and would work after some intricate machining. All the worn parts and oil were replaced with new items. TBT valved and sprung the forks to match the new shock specifications.

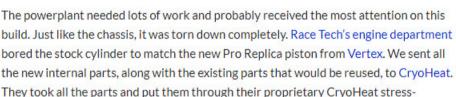


Colin and the crew at Faster USA took our hammered stock wheels and made them look better than new. They replaced all the bearings, cleaned up the hubs and then Cerakoted them a dark grey. The wheels were reassembled with new spokes, nipples and black Excel Takasago rims. Supersprox sprockets, a chain set, Tusk brake rotors and

Our CR500R got an all-new look via a UFO plastics kit, a black Clarke gas tank that features the same fuel capacity as the OEM unit and a complete custom graphics kit from Decal Works. We wanted to mix some old-school and modern style into the

a set of Dunlop MX33 tires finished off the wheelset.

graphic design.



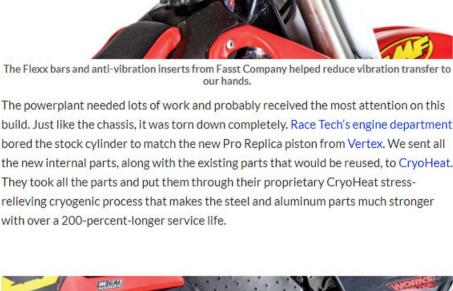
The process also helps dissipate temperatures, so this engine should be running approximately 25 degrees cooler while at the same time making more power.

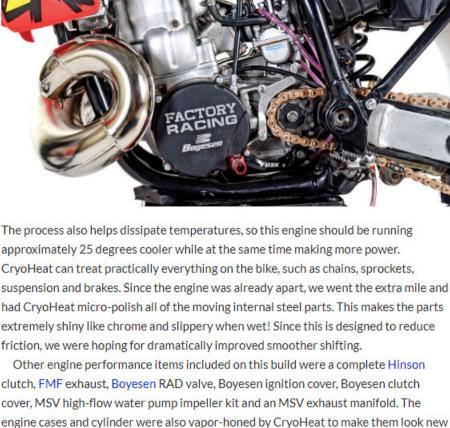


day-to-day operation of the track, and the owner Jimmy Sloan is a huge moto enthusiast. After about 35 to 45 minutes of riding, the front end got really springy, kind of like a pogo stick. As we pushed down, the forks made a rather puzzling clanking After presenting this to Austin and the suspension crew from TBT Racing, we were

met with huge looks of disappointment, because at that moment they knew both the

strokes and smaller-bore two-strokes, but we wouldn't expect it not to. The Fasst Company Flexx bars and anti-vibration bar inserts helped, but nothing is going to stop a CR500R from vibrating completely. A rebuilt 1995 Honda CR500R is not the kind of project that everyone is going to be happy with-no matter how well it turns out. However, the entire Dirt Bike staff is very excited with how this build turned out, and if you are a real fan of moto, it should at least bring a smile to your face.





The engine received a lot of attention from just about every angle, including new parts, CryoHeat and micro-polishing internally, along with vapor-honing and Cerakoting on the outside. FIRST STEPS The best part about building these older two-strokes is being able to get them dirty once all the beauty shots are completed. Our first day of testing on Austin Perkins' CR500R didn't go as planned. After a brief shakedown by the man himself, we headed off to a private rental day at Perris Raceway. It helps that Austin's job is managing the

damping rods had snapped and our day of riding was over. Just when we thought all was lost, like a scene out of Winners Take All, editor Mark Tilley announced he had a spare front end off a 2003 Honda CR125R that would bolt on with some minor modifications. With this confirmed after a few hours of mocking everything up, TBT rebuilt the new fork setup and valved them to match. The 2003 KYB fork is a much better setup overall than the 1995 version, helping the overall handling of the bike. Austin's CR500R has huge amounts of power but is surprisingly easy to manage and rolls on without a huge hit down low. Yes, it vibrates compared to modern-day four-