FOX FACTORY FORX

A Superb Fork With 44mm Tubes, Forged Aluminum Sliders and Triple Clamps

few years back virtually no one knew anything about dirt bike forks. Some were aware of the travel butthings likestanchion tube dia m eter andengagementwere a foreign language State of the art bakes only had five or six inches of fork travel so stanchion tube diameter and engagement didn'tmatter mnehanyway. Asmotocrossbikes developed and fork travel grew fork tubo flex became a problem and hard riders started bendingfork tubes regularly Most of the motorcycle manufacturers responded by increasing the stanchion tube diameter from 35mm to 38mm. The size increase pretty much cured the bending and Bey problems until travel exceeded 10 inches. Then the same old problems reapneared Major is the first production bike to furnish fork tubes larger than 38mm. The new Maico MI comes with 42mm Ligher sAnd the M3 Majon is probably the only 1980 production motocross bike that wouldn't benefit from the target of this evaluation . . . the Fox Factory Forx Motocross Foxhasbeenbuildingshocks

for several years, always working closely with professional racers. Many pros use Fox Air Shockson their factory race bikes. The new Fox Forx have been in development for several years. One of the early design goals was to build them large enough towithstand the torturcof professional-level motocross. MX Fox fields its own pro team and the Pox Forx are the direct result of the racine involvement. If aproductstaystogether under a pro racer, the average local racer can be assured the preduct is strengand probably worth the dollars it li costhim

Saving the Fox Forx are big or beefy doesn't do them instice. The stanchion tubes are 44mm in diameter and made from hardened \$4130 chrome-moly steel The sliders and triple clamps are forged aluminum. The triple clamps have wide double bolt clamping surfaces that measures 1:75 in. The supplied chrome-moly axle is clamped into both lower legs by double bolts and the clamping surface

to the triple clamp without any rubber cushion. Most pros prefer the solid feei thatcomes from the rigid mounting, and thebars don't move around when landing from high jumps. The internal parts on the Fox Forx are as impressive as the external. The long





Close inspection shows a small spring that

damper rod is aluminum with an aluminum bottom-out cone and machined aluminum top piston. The piston has a plastic ring around it, ensuring all the oil will go through the damping boles and valves. Additionally, the piston directs the oil to the side of the rod so it doesn't get thrown to the top of the tube and let the damping valves run dry. Thus damping stays constant under the most severe conditions. The damper rod slides through a multipiece valve body that controls rebound damping and bottoming. The bottom of the damper rod is bolted to an aluminum cap that threads into the bottom of the fork slider and simplifies disassembly. No need to try and remove the allen screw just use the square tool Fox supplies with The square tool fits into the slider bottom and protrudes enough for a crescent wrench to grin, much easier than fooling with an allen wrench, and everyone has a large crescent wrench. The fork seals are protected from mud and grit by special rubber dust covers. They fit over the outside of the sliders like normal caps but the

top scraper edge is made like an oil seal.

keens a slight pressure against the stanchion tube.

One of the first things we did was weigh the Fox Forx. The giant stanchion tubes and heavy-duty triple clamps and lower legs give a false impression of excess weight. The complete assembly weighs 26 lb. The stock YZ465G assembly weighs 24 lb., so the difference is hardly worth mentioning when the difference in strength and performance are considered. The Fox Forx come packaged in a cardboard display box with an excellent owner's manual. The manual has sections dealing with installation, tuning, disassembly assembly and an exploded picture with each part numbered and keved to a parts number and replacement price. Everything a buyer needs to install the

forks is included except the steering stem. A buyer can have the stock stem pressed out of the stock crown or buy a new stem. Either way, the buyer will need assistance from his local dealer or a machine shop. The pressure required to remove or replace the stem is great and a hydraulic press is needed. The manual explains the procedure in detail in case the machine shop doesn't audientand, @here methoning may be necessary degending on the lot the first so be intelled on Supplements come with the manual thater, but the first so the intelled on Supplements come with the manual thater, but the first on a Tymnia Y 2685. The jumplement field a drawing that told how for termore 4.200t, in from the nation to be per throat from the control the PV. Better in plate, It remains a first so that the processing of the processing of the processing the processing of the processing of the processing the processing of the processing the processing the processing of the processing of the processing the processing of the processing the process

After machining, everything bolis together smoothly The manual covers assembly procedures step by step for the non-mechanical person, whileashortened

select by the mechanical type Both sections explain installation procedures for the triple clamps, fender, front, wheel, stanchion tubes, stanchion tube height, oil

The Run Forn are extremely adjustable. The uniting section explains the affects of oil volume, air pressure and main spiring preloadehanges: They recommend trying the stock settings, before experimenting with the many-daubstrentistand available combinations. If the stock settings are uncorpoiled, there may be considered as the stock settings are unitarities. If the stock settings are unitarities, and the stock settings are unitarities and the stock settings are unitarities. The stock settings are unitarities and the stock settings are unitarities and the stock settings are unitarities. The stock settings are unitarities and the stock settings are unitarities and the stock settings are unitarities.

are delivered with middlum main and negative springs, standard rebounddamning and two different length spring preload spacers. A softer ride is available by charging themain and negative springsto light springs. On a stiffer ride is bossible with the accessory firm or extra firm springs, Main springs sell for \$16.40 a pair and the negative springs go for \$6,00 a nair Fox recommendathe main andness. tivesprings be changed in matched pairs. that is, an extra tirm main springshould be installed with an extra firm negative spring. Rebounddamping, which controls how fast the fork returns after a nimnact. is adjustable by changing a valve in the valve body The Fox Forx come with a

standard valve, but heavier (slo wer) and lighter (quicker) valves are available for 84 apair. Eörk travel iš also adjustāble. The stock Fox forks furnjish 12 in. of travel. Travel can be reduced to 11 in. by installing an autratopour sprine (\$4 apair) or 13 in. is

available, with the purchase of longer damper/do air oxiof 544 pair: With units as adjustable as she Fee. Fore, we worried about being able to quickly dial themin. Visions of sujusting the tot quickly, dial themin. Visions of sujusting the tot our feast wasn't justified. We set the fosk upaccording to the manual—Sweighted!, 12 psi of air oitleved 6 in, from the topol the hostomed out the farousel 18.5 or).

The farks felt sizely for about 30 mil until the vests broke 55, then started to-coming moire compliant to small bumps. After 150 miles they were upperb. They are without adoubl; thebestforks wehave ever experienced. The inder is completely isolated from shock but input from the foot wheel sink bampered. The inder thouse exactly where the front it is is, at the sterimen of the foot shock and it bampered is described and sterimen or sterimen and the foot shock and t

The giant forlis havegiven the Y Z 46 a

solid Brock feel Marsy's new MI with Altern facts startified by a solidar feel but we can't think of another like that gives the same impression of indestructibility Smasking into the far aid of liking peded relicing should it say. The bit is evaltion to the same position and strength intendigation of the same position and strength instantifying this confidence in the rider. And of a stanker turns, — yo we never gonetoe of a stanker turns, — yo we never gonetoe of a stanker turns. — yo we never gonetoe sawy through them before. With the feet for profession of the same profession of the proserve through them before. With the feet

The Forestand beambase place better for motoress and a fast trip throughtic Mojave desert one For Forestand produced by the forestand produced by the forestand produced by the forestand produced beambase deserted by the forestand produced by the forestand produced by the forestand produced by the forestand produced by the first part sock up the fifte blow and the like continues on a straight line. Androag down grades that end in a were or square wash don't even just the rider.

We experimented with different in presumented outside foreign resemble to changes of I pai Most air/oil forker quire pressure changes of 2 to 3 ps to nake a difference. Since the air volume on the for Fersi i genete, I pic changes are noticeable. Withis he recommended 12 ps in-rider With 13 ps the given perfect. They will be obtained to the present of the pressure of the present of the present of the pressure of the present of the present of the formation levils, springtor enbound values.

Asyou mights usped, the Fox Forx are expensive. The retailprice is \$46. Notall that much when the price is compared to other-alternatives. AYB Proline 38mm forks go for \$465 and a complete set of stock YZG forks with triple clamps will set you back around \$450.

Is there a market for the Fox Forx! Definitely. If you are building a four stroke special or, you've recently wasted your stock front end in a ditch, or you are a hard riding pro who regularly bends the 38 mm stockers, or you simply want the best money can buy vectage of the Fox Fox





Travel can be increased to 13 in. by installing the optional dameer red Soller and stiller springs and rebound varies are options