

SERVICE BULLETIN

Shortening Front Forks to Lower Front End for Short Track and Half Mile Racing

Remove the lower legs from the front suspension unit. Using snap-ring pliers, remove the circlip, part #32 on the sketch. Remove the dampening action. If it is difficult to remove, attach the leg and give a hearty pull.

Once the dampening action is removed, place it in a vice with part #3 held firmly in the jaws. Heat part #3 with a propane torch just enough to expand it slightly. Place a 14mm bolt about 3" long into the part and gently tap with a hammer. This will remove part #3 from part #16. Remove part #19, 20 and 22. Leaving part #21, 31 and 17 in place, find a washer with an outer diameter slightly larger than the spring, part #21, and an inside diameter the same size as part #16. Slip the washer, part #21A, next to part #21.

Now proceed to make a spacer, part #21B; 7/8" handlebar material works fine. Cut the spacer the same length as you wish to lower the front end. Example: A 2" spacer lowers the suspension 2". Be sure the inside and outside of the spacers are smooth and free to travel on part #16.

Install the spacer #21B next to the washer #21A, then reinstall part #22, 20, 19, 18 and 3, again heating part #3, making sure it is bottomed. Note: Do not overheat, as it will destroy part #4 which is a rubber bushing. Install the dampening action in the stanchion tube and replace springs, part #5. You will find that the spring protrudes quite a bit. If you prefer a stiff suspension, leave the springs as they are. If you prefer the same action as prior to the modification, cut the springs the same amount as the spacer you installed. Example: 2" spacer, cut the spring 2". This will give you the same lower front end but normal suspension.

