

# BULTACO SERVICE BULLETIN

## FORK PREPARATION

- (1) Remove the stanchion nuts.
- (2) Disassemble stanchion nuts & wash in solvent.
- (3) Check the counter-bore - see if the drilling is straight and if the check seat is concentric.
- (4) "Seat" the ball with a 1/8" drift-check to see if the ball is seating properly by sucking on the under side of the stanchion nut with the ball free in the counter bore.
- (5) Cut the spring 1.5mm and reassemble.
- (6) Remove fork sliders - thoroughly wash.
- (7) Lightly sand stanchions with 600 wet or dry paper and kerosene - this will smooth machining marks on the stanchions.
- (8) Fit new seals - #11.02-026 & coat with STP.
- (9) For longer seal life, cut a piece of air filter material and fit it under the dust covers to help prevent dirt from injuring the seal.
- (10) Fit new dust covers if needed.
- (11) Reassemble forks.
- (12) With axle and wheel in place, and stanchion nuts not on, the fork should travel its full length very smoothly - and binding or rough spots indicate bent stanchions, twisted stanchions, or rough spots on the stanchions that will quickly ruin a new seal.
- (13) Fill forks with oil - 160cc to 170cc of SAE 10 W 30 in trail models - 165cc to 175cc of SAE 20 or SAE 30 in M-X models.
- (14) Loosen 13mm pinch bolts in lower crown and torque the stanchion nuts to 100 ft/lb (this allows stanchions to properly seat in their tapers in the upper crown.)
- (15) Install front wheel & tighten the front axle nut finger tight - install front brake cable and adjust.
- (16) Lock front brake and work the suspension up and down - this will align fork legs - tighten axle nut to 30 ft/lb, axle pinch bolts to 6 ft/lb, and lower clamp pinch bolts to 15 ft/lb.
- (17) Test the motorcycle under conditions similar to the type it will be ridden in for approximately 20 min. If the fork seals leak, the problem is probably in the check valves - too much tension on the ball - remove the spring and shorten it - reassemble & test ride.
- (18) If an excessive amount of oil blows out of the air, bleed hole in the stanchion nut, stretch the spring 1.5mm to 1mm - reseat the ball, and retest.