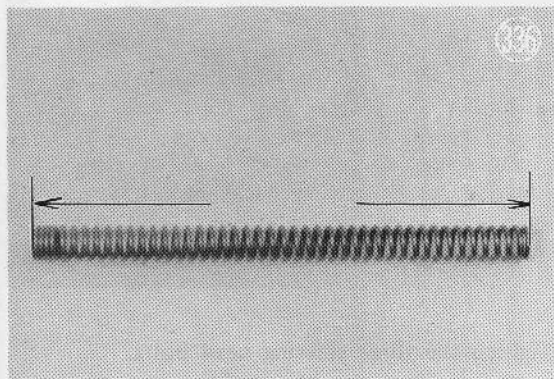


**Table 37 Spring Length**

Model	Standard	Service Limit
H1	13.58" (345 mm)	13.19" (335 mm)
H2	"	"

**e. Fork Oil**

The forks must be filled with the correct amount of clean, good quality oil to ensure effective operation. Dirty, oxidized oil loses its lubricating capacity and speeds up wear and breakdown of the fork. If the oil level is low, the fork will be noisy; a high oil level will make the cushion harder.

Measure the fork oil level with no weight on the fork (front wheel raised off the ground). Unscrew the top bolt, insert a rod into the inner tube, and measure the distance from the top of the inner tube to the surface of the oil. This measurement, along with the amount of oil to pour into an empty fork, is given in the table below.

**Table 38 Front Fork Oil**

Model	Standard Quantity	Level from Top	Oil
H1*	7.8 oz. (230 cc)	15" (380 mm)	SAE 10
H2	5.4 oz. (160 cc)	17 5/8 in. (448 mm)	SAE 10

\*For H1 disc brake models, use H2 figures in above table.

**f. Steering Stem**

Inspect the steering stem and straighten it or replace it if it is bent.

**g. Ball Bearings**

Check the inner and outer races for wear or pitting. This will cause uneven pressure on the balls and make the steering stiff. Check the balls for wear, pitting or cracks. If any damage or wear is apparent in either the balls or races, it is recommended that balls and races be replaced as a set.

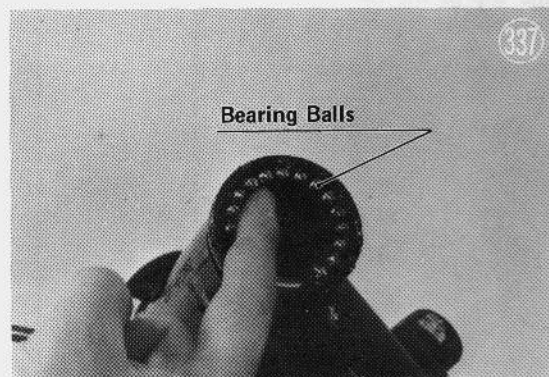
**4) Assembly****a. Steering Stem**

Press in the upper and lower outer races and the lower inner race with a press or similar means, taking care to exert even pressure around the race circumference.

Spread grease on the upper and lower outer races in the head pipe, and set the balls in place in them. Insert the steering stem up through the bottom of the head pipe, fit the upper race in from the top and temporarily hold the assembly in place with the lock nut. Then move the steering stem back and forth while tightening the lock nut. The nut should be tight enough to take all play out of the steering, but loose enough to allow smooth, easy steering movement.

**Table 39 Bearing Balls**

Model	Size	Quantity
H1, H2	1/4 inch	19 each bearing

**b. Fork**

Whenever the front fork is disassembled, the oil seal and O ring in the outer tube must be replaced.

Mount the steering stem head on the head pipe and hold it in place with stem nut. Leave the nut loose for easy fork assembly.

**(1) Expansion brake models**

Put on the fork covers and insert each fork up through the bottom of the steering stem, screwing in the top bolt loosely.

