4. 3 FRONT FORK

A. Construction

The function of the front cushion is to provide good steering characteristics and together with the rear cushion afford comfortable riding. The front fork, in particular, must prevent the vibration of the front wheel created by the rough road condition from being transmitted to the rider. It must be made sturdy to withstand the high loads imposed. **(Fig. 4. 24)**

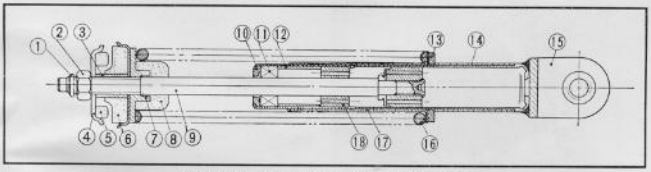

Fig. 4. 24 A Front cushion sectional diagram **(C 90)**

1. 6 m/m lock pin
2. 7 m/m lock nut
3. Front cushion upper collar
4. Front cushion joint washer
5. Front cushion joint rubber B
6. Front cushion joint rubber A
7. Front cushion lock nut
8. Front cushion stopper rubber
9. Front cushion rod complete
10. Roll stake all around
11. Front damper oil seal
12. Front damper inner collar
13. Front damper end plate
14. Front cushion outer collar
15. Bottom metal complete
16. Front cushion spring
17. Front cushion spring guide
18. Front damper rod guide

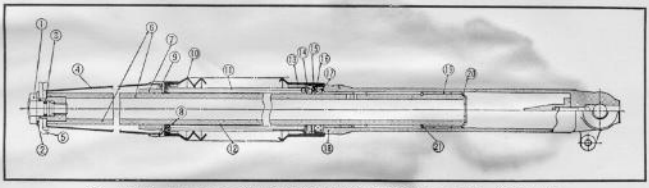

Fig. 4. 24-B Front cushion **[S 90, CL 90, CL 90 L, CT 90 (from F. No. 000001 A)]**

1. Front fork bolt
2. 13.2×24 washer
3. 8.4×2.4 O ring
4. Front fork cover
5. Fork top bridge plate
6. Front fork pipe
7. Fork bottom bridge
8. Fork cover lower seat
9. Fork cover lower seat packing
10. Front fork boot
11. Front cushion spring
12. Front cushion spring guide
13. Front cushion under spring guide
14. Front cushion spring under seat
15. 37 m/m circlip
16. Front fork oil seal
17. Front fork pipe guide
18. Front fork bottom pipe
19. Front fork piston
20. Front fork piston snap ring
21. Piston stopper ring