

GF11139A

Service Procedure:

1. Disassemble original lock cylinder and match the original tumblers to the new tumblers. If this option is not available you can determine the matching key cut depth at each key station by using the original key. Measure the key cut depth at each key station (refer to Figure 2)
2. Write down the key cut depths, in terms of the depth code, not the actual measurements of the depth, in the following order:

Station 1	Station 3	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8

3. Select the required tumblers (B1, B2, B3, B4, or B5) according to the key cut depths for key stations 1, 2, 3, 4, 5, 6, 7, and 8. For example, if the key cut depths codes are 53214124, then use B5 for Station 1, B3 for Station 2, B2 for Station 3, B1 for Station 4, B4 for Station 5, B1 for Station 6, etc. and ignore Station 2.
4. Apply grease to the actuator pocket located in the front of cylinder (D) (refer to figure 4).
5. Insert actuator (G) into pocket located in the front of cylinder (D) (refer to figure 5).
6. Assemble actuator retainer (H) to the cylinder (D) to clip over the actuator (G). The leg of the actuator retainer clip (H) must fit into groove on the cylinder (D) head (refer to figure 6).
7. Insert one tumbler spring (C) into each of the holes located at the end of the tumbler wards on the lock cylinder (D).
8. Insert the required tumblers (B1, B2, B3, B4, or B5) into the tumbler wards in the proper orientation (refer to Figure 3), and in the sequence that match the key cut depths, for key stations 1 and 3 through 8.
9. Insert key into keyhole and verify that the side bar is flush with the lock cylinder's exterior surface.
10. Apply grease to the outer surface of the cylinder (D) with the key still inserted, ensuring that the areas above and in between the tumblers are coated (refer to figure 7).

11. Align the key slot in the cylinder cap with the small internal slot in the case (E) subassembly by rotating the cap counterclockwise until the stop is reached and then rotating back about 5 degrees clockwise. This should be visually verified by looking into the back of the cylinder.
12. Insert the cylinder (D) into the back of the case (E). Push each (raised) tumbler (B1-B5) to make it flush with the cylinder (D) OD to allow the cylinder to fit into the case (E). Continue this process until the cylinder (D) engages the cylinder cap. This step may require slight rotation of the cylinder cap (with key) to align the cap and the cylinder (D).
13. Using the tail of the lock, rotate the cylinder (D) and cylinder cap clockwise in case (E) until you hear the tumblers (B1-B5) drop into the tumbler slots.

Fig. 1

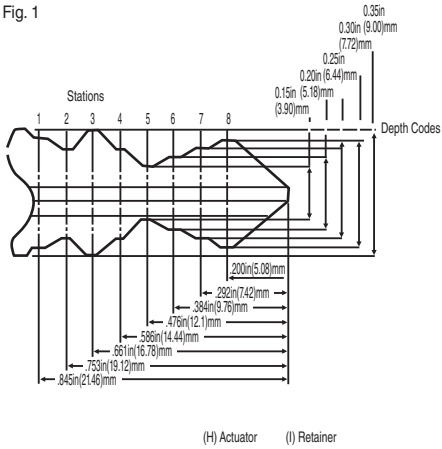


Fig. 2

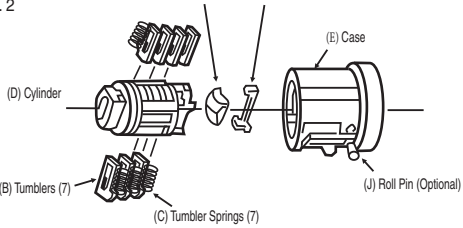
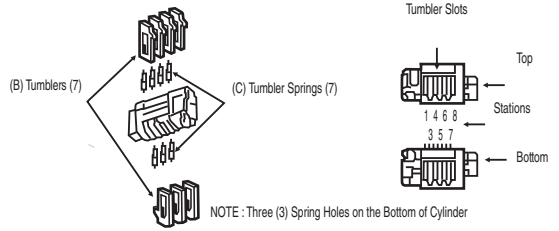


Fig. 3
NOTE : Four (4) Spring Holes on the Top



Lubricate Cylinder Actuator Pocket



Fig. 4



Fig. 5



Fig. 6

