

## PART A. INSTRUCTION SHEET FOR LOCK SERVICE PACK

**F7SZ-6343262-CB/DB; F7OZ-5443262-BB; F8DZ-5443262-EB; F8DZ-5443262-CB/DB;  
F8OZ-5443262-AE/BE; 1L5Z-3543262-BB; YL3Z-1543262-BB AND 5F1Z-5443262-CA/DA**

KIT - F7SZ-6343262-CB/DB; F7OZ-5443262-BB; F8DZ-5443262-EB; F8DZ-5443262-CB/DB; F8OZ-5443262-AE/BE; 1L5Z-3543262-BB; YL3Z-1543262-BB AND 5F1Z-5443262-CA/DA				
Item #	Part Number	Description	Used in Package	Quantity
A	SK 5F1A-5443262-AA	Instruction Sheet (48414)	All	1
B1	324341	Tumbler # 1	All	4
B2	324342	Tumbler # 2	All	4
B3	324343	Tumbler # 3	All	4
B4	324344	Tumbler # 4	All	4
B5	324345	Tumbler # 5	All	4
C	46969	Tumbler Springs	All	8
D	311820	Cylinder Sub-Assembly	All	1
E		Pad (Included on Bracket)		1
F	48039	Grease Pack	All	1
G1	597912	Lock Case	F8DZ-5443262-CB	1
G2	312242	Lock Case	5F1Z-5443262-CA	1
↓	↓	↓	5F1Z-5443262-DA	1
G3	311819	Lock Case	F8DZ-5443262-DB	1
G4	311827	Lock Case	F7SZ-6343262-CB	1
↓	↓	↓	F8OZ-5443262-AE	1
G5	598070	Lock Case	F7SZ-6343262-DB	1
↓	↓	↓	F7OZ-5443262-BB	1
G6	599495	Lock Case	F8DZ-5443262-EB	1
G7	312497	Lock Case	YL3Z-1543262-BB	1
H1	322619	Extension	F8DZ-5443262-DB	1
↓	↓	↓	F8DZ-5443262-CB	1
↓	↓	↓	5F1Z-5443262-CA	1
↓	↓	↓	5F1Z-5443262-DA	1
H2	322616	Extension	F8DZ-5443262-DB	1
↓	↓	↓	F8DZ-5443262-EB	1
H3	322649	Extension	F7SZ-6343262-CB	1
↓	↓	↓	F7SZ-6343262-DB	1
↓	↓	↓	F8OZ-5443262-BE	1
↓	↓	↓	F7OZ-5443262-AE	1
↓	↓	↓	F7OZ-5443262-BB	1
I	56038	Torsion Spring	All	1
J1	322535	Shutter Cover-Bright	All	1
J2	322534	Shutter Cover-Black	F8DZ-5443262-DB	1
↓	↓	↓	F8DZ-5443262-CB	1
↓	↓	↓	F8DZ-5443262-EB	1
K1	47758	Gasket	All (except YL3Z-1543262-BB)	1
K2	47943	Gasket	YL3Z-1543262-BB	1



Item #	Part Number	Description	Used in Package	Quantity
L	94968	Cylinder Case Pins	F8OZ-5443262-AE	2
↓	↓	↓	F8DZ-5443262-DB	2
↓	↓	↓	F8DZ-5443262-CB	2
↓	↓	↓	F7SZ-6343262-CB	2
↓	↓	↓	F7SZ-6343262-DB	2
↓	↓	↓	F8OZ-5443262-BE	2
↓	↓	↓	F7OZ-5443262-AE	2
↓	↓	↓	F7OZ-5443262-BB	2
M1	599397	Mounting Bracket	F8DZ-5443262-DB	1
↓	↓	↓	F8DZ-5443262-CB	1
↓	↓	↓	F7SZ-6343262-CB	1
↓	↓	↓	F7SZ-6343262-DB	1
M2	599910	Mounting Bracket	F7OZ-5443262-AE	1
↓	↓	↓	F7OZ-5443262-BB	1
M3	599398	Mounting Bracket	F8OZ-5443262-AE	1
↓	↓	↓	F8OZ-5443262-BE	1
N	56031	Shutter Spring	All	1
O	596656	Shutter Assembly	All	1
P	381275	Tubing	5F1Z-5443262-CA	1
↓	↓	↓	5F1Z-5443262-DA	1
↓	↓	↓	F8DZ-5443262-EB	1

**NOTE: This Instruction Sheet is not an inspection document. Not all parts are in all kits.**

#### **SERVICE PROCEDURE:**

1. Determine the matching key cut depth at each key station, any of the following three methods may be used to determine the key cut depth at each key station.
  - 1a. Use the OEM key code provided with the vehicle and look up the cut pattern in the key code table. (The selling dealer should have the key code or the customer may be able to provide it). A key code table comes with the Rotunda Key Cutter, Part No. 011 00215.
  - 1b. Use a "key decoder" to determine each cut height. A decoder may be included with the Rotunda Key Cutter, Part No. 011 00215 or can be ordered separately through Rotunda Part No. 011 RMT61. Equivalent decoders are commonly available through the locksmith industry. (A key decoder is a plate with an elongated slot corresponding to the different key cut heights).
  - 1c. Using the customer's key, measure the key cut depth at each key station (refer to Figure 2).

Write down the key cut depths, in terms of the depth code, not the actual measurements of the depths, in the following order:

Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8

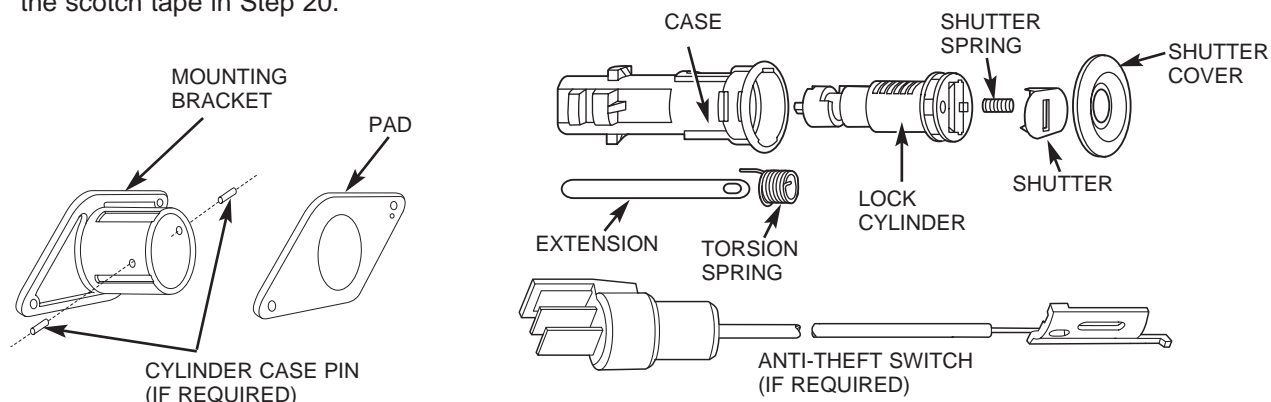
2. Insert the shutter spring (N) into the round hole at the front of the lock cylinder (D).
3. Insert the shutter assembly (O) into the rectangular depression at the front of the lock cylinder (D).
4. Select the required tumblers (B1, B2, B3, B4, or B5) according to the key cut depths, for key stations 3, 4, 5, 6, 7, and 8. For example, if the key cut depths codes are 53214124, then use B2 for Station 3, B1 for Station 4, B4 for Station 5, B1 for Station 6, etc. and ignore Station 1 and Station 2.
5. Insert one tumbler spring (C) into each of the holes located at the end of the tumbler wards on the lock cylinder sub-assembly (D).



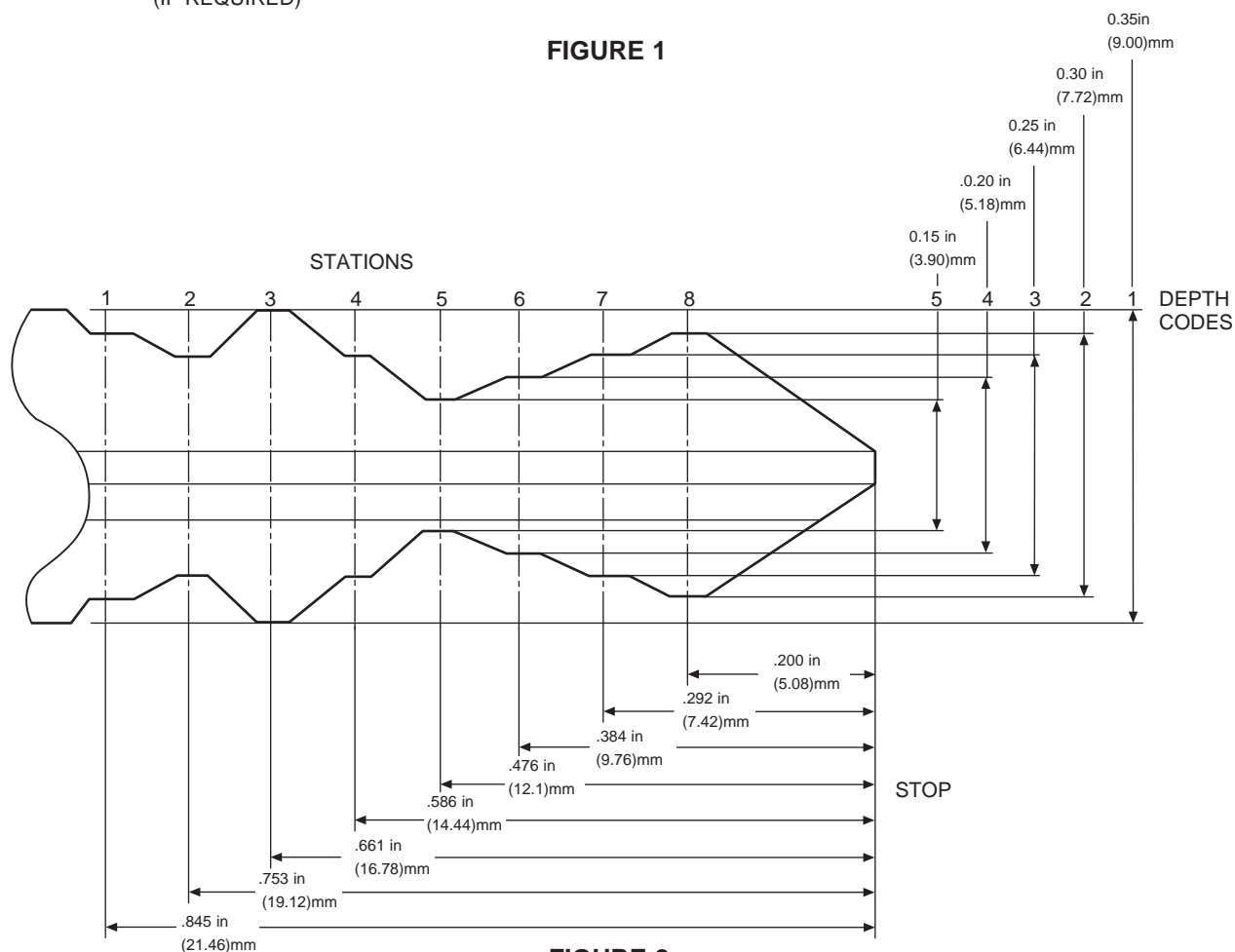
6. Insert the required tumblers (B1, B2, B3, B4, or B5) into tumbler wards in the proper orientation (refer to Figure 3) and in the sequence that match the key cut depths, for key stations 3, 4, 5, 6, 7, and 8.
7. Insert the key into the key hole and verify that all tumblers are flush with the lock cylinder exterior surface.
8. Assemble the extension to the torsion spring by inserting it from the front of the torsion spring. Make sure the extension is connected to the torsion spring as shown in Figure 4.
9. Assemble the extension and the torsion spring to the back of the lock cylinder, (refer to Figure 4).
10. With the key in the lock cylinder, apply the included grease to the tumbler wards.
11. (Refer to Figure 5 - view A), look through the lock case and note the ridge and spring stop. With the key in the lock cylinder, slowly insert the lock cylinder, the extension, and the torsion spring into the lock case in the orientation shown in Figure 5. If the spring gets jammed behind the ridge, use a flat-blade screwdriver to gently bend the part of the spring that is jammed. Insert the lock cylinder further until there is only 1/2 inch of the lock cylinder's length that remains visible from the side of the lock case.
12. Keep looking into the back of the lock case while rotating the lock cylinder 1/2 of a revolution counterclockwise and continue to insert the lock cylinder until the lock cylinder is completely inserted into the lock case.
13. Keep looking into the back of the lock case and rotate the lock cylinder another 1/2 revolution counterclockwise and continue to insert the lock cylinder until the lock cylinder is completely inserted into the lock case.
14. Use the key to check the operation of the lock. Turn the key clockwise until it stops. There should be a spring torque that will return the lock cylinder to the position at which the key can be removed.
15. Rotate the lock cylinder within the lock case at least ten (10) times so that the grease applied to the tumbler wards is distributed along the inner surface of the lock case and the exterior surface of the lock cylinder.
16. Remove the key from the lock cylinder while keeping the lock cylinder within the lock case.
17. (Refer to Figure 6). Place the shutter cover in the depression on crimping tool (Rotunda Tool Number 501-051, refer to the instruction sheet of the crimping tool) and place the lock cylinder on top of the shutter cover. (Make sure that the lock cylinder does not fall out of the lock case). Use the swing arm on the crimping tool to crimp the four (4) tabs on the shutter cover and secure the shutter cover to the head of the lock case.
18. Use the key to check the operation of the lock.
19. Install the pad to the mounting bracket in the orientation as shown in Figure 1.
20. From the back of the lock case, fit the included gasket around the back of the head of the lock case. Insert the lock case into the mounting bracket in the orientation as shown in Figure 1. Press the completed lock against the bracket until the lock cannot move any further and a piece of scotch tape (6 inches long, not provided) to secure the completed lock in the mounting bracket.



21. Use a 1/8 inch phillips screwdriver and a hammer to gently tap one (1) cylinder case pin into the hole on the housing until the cylinder case pin protrudes the exterior surface of the mounting bracket by 1/16 of an inch.
22. Use a vice-grip to press the cylinder case pin into the mounting bracket until the cylinder case pin is flush with the exterior surface of the mounting bracket.
23. Repeat Steps 21 and 23 for the remaining case cylinder pin. After both pins have been installed, remove the scotch tape in Step 20.



**FIGURE 1**



**FIGURE 2**



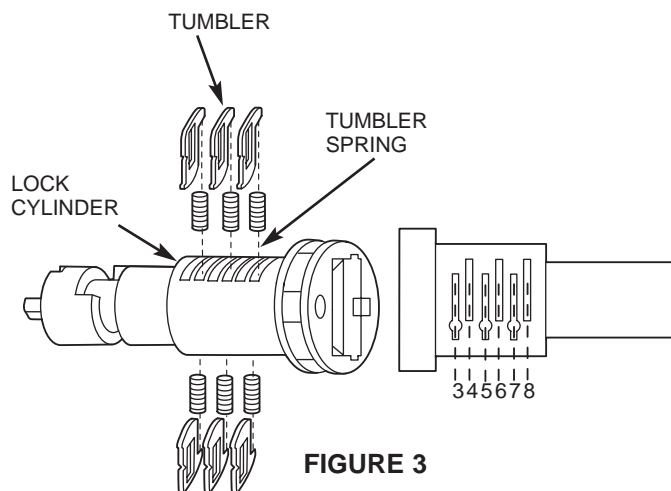


FIGURE 3

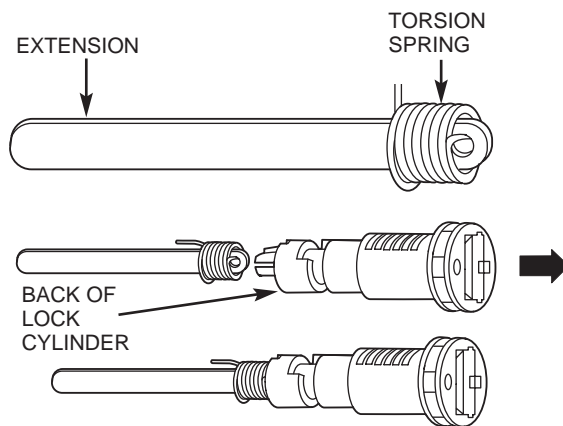
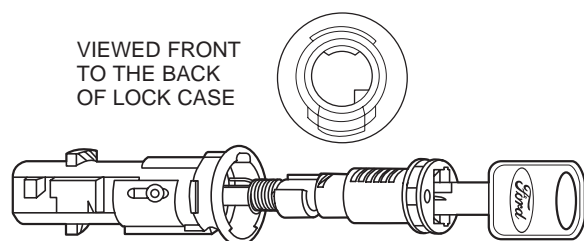
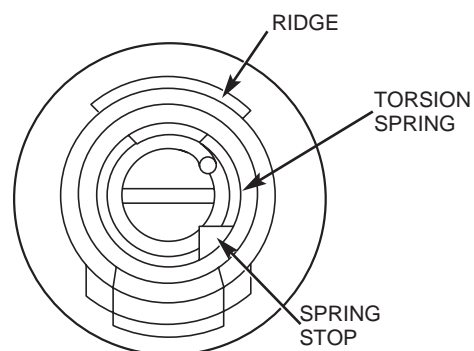


FIGURE 4



SEE VIEW A

FIGURE 5



VIEW A

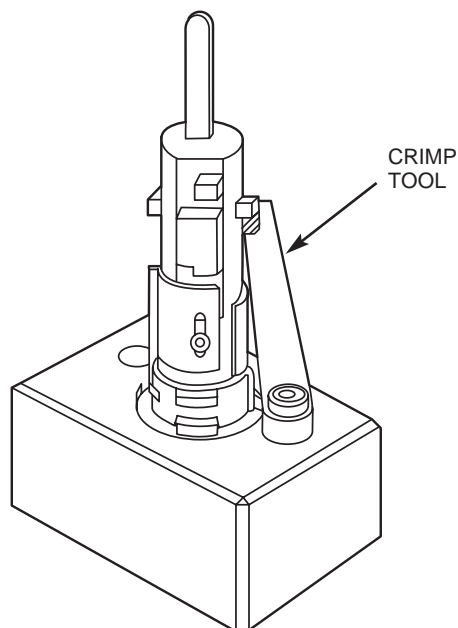


FIGURE 6

