

UNITED STATES TEST LABORATORY
Firearm Safety Device Test Summary

Date Received: 8/5/08
 Via: UPS
 Returned Via: UPS

Record No: FSD527
 Test Date: 8/14/2008
 Customer: Lock SAF

Sample

Manufacturer: Lock SAF
 Lock Type: Lock Box
 Key Type: Fingerprint/Tubular
 Model: PBS-001
 Serial/Lot: N/A
 Firearm Used: Glock, 17, 9mm, 4.49" barrel
 Test Spec.: California Title 11, Div. 1, Ch. 12.6

Sample Dimensions

Body Length: 10.25 in
 Body Width: 13.75 in
 Body Height: 4.65 in
 Shackle/Cable Dia: N/A in.
 Shackle/Cable Length: N/A in.
 Weight: 15.20 lbs
 Sample Description: Steel Body,
 Alloy Lock case, Brass Tumblers

(1) Picking or Manipulating Test

Cylinders in the firearms safety device shall resist picking with use of paper clips (jumbo size), paper clips (#1 size), and small screwdrivers that fit in the keyway for two minutes each.
 Combination locks shall resist manual manipulation for two minutes.

Sample No.	Test Condition	Tool	Time (min.)	Results (Pass/Fail)
1	X Firearm safety device tested with firearm.	jumbo paper clip	2	Pass
	Firearm safety device tested without firearm.	#1 paper clip	2	Pass
		2.0 mm screwdriver	2	Pass

Remarks/Notes:

Fingerprint manipulation for 2 min. (Pass)

(2) Forced Removal Inspection

Inspect the firearm and firearms safety device to determine if the firearms safety device is of such a design that it may not be disabled or removed from the firearm through the partial destruction of the firearm with common household tools.

Sample No.	Description/Explanation	Results (Pass/Fail)
1	X Firearm safety device does not appear that it may be disabled through the partial destruction of the firearm with common household tools.	Pass
	Firearm safety device appears that it may be disabled through the partial destruction of the firearm with common household tools.	

Remarks/Notes:

(3) Tensile Test

This test is designed to test the strength of the firearm safety device utilizing a pulling action. Apply 225 pounds force slowly along the central axis of the firearms safety device locking components without interfering or giving support to either the mating locking components of the firearms safety device.

Sample No.	Test Condition	Max Load (lbf)	Results (Pass/Fail)
1	X Firearm safety device tested with firearm.	227.01	Pass
	Firearm safety device tested without firearm.		

Remarks/Notes:

(4) Shock Test

This test is designed to test the firearms safety device and locking mechanism ability to withstand shock. Using the shock impact fixture, drop a 2.2 pound weight from a distance of one 39.4 inches + 0.4 inches five times to the top of the firearms safety device body aligned to impinge and penetrate the locking keyway or combination lock using a chucked blade-type tool. Additionally, using the shock impact fixture, drop a 2.2 pound weight from a distance of 39.4 inches + 0.4 inches five times to the top of the firearms safety device body using a chucked steel rod tool. Failure also occurs if following the shock test, subsequent manipulation with an 8-10-inch long screwdriver with a 1/4 to 5/8-inch flathead end for fifteen seconds allows the tester to discharge a primed case.

Sample No	Test Condition	Tool	Drops	Results (Pass/Fail)
1	X Firearm safety device tested with firearm	blade	5	Pass
	Firearm safety device tested without firearm	rod	5	Pass

Remarks/Notes:

(5) Shackle or Cable Cutting Test

This test is designed to determine the firearms safety device resistance to cutting forces of 1,000 pounds force for solid metal shackles or with hand forces of 100 pounds force for cables.

Sample No	Test Condition	Max Load (lbf)	Time (s)	Results (Pass/Fail)
	Firearm safety device tested with firearm.			N/A
	Firearm safety device tested without firearm.			

Remarks/Notes:

(6) Plug Pulling Test

This test is designed to test a cylinder lock's ability to withstand a pulling action to dislodge the plug from the cylinder. Drill the keyway with a number 20 diameter drill bit and insert a self-tapping screw of size AB12 at least 0.75 inches deep. Apply a required tension of 225 pounds force axially between the case and installed screw. Failure occurs if the firearms safety device can be opened by fifteen seconds of manipulation with an 8-10-inch long screwdriver with the largest flat blade (not to exceed 5/8") that will fit into the keyway at the conclusion of the test.

Sample No.	Test Condition	Max Load (lbf)	Results (Pass/Fail)
2	X Firearm safety device tested with firearm.	227.04	Pass
	Firearm safety device tested without firearm.		

Remarks/Notes:

(7) Plug Torque Test

This test is designed to test the ability of a firearms safety device's keyway, if so equipped, to withstand torque pressures. Insert a screwdriver with the largest flat blade (not to exceed 5/8 inch) that will fit into the keyway so that a torque load of 89 pounds force-inches can be applied to the plug.

Sample No.	Test Condition	Max. Load (lbs/in.)	Results (Pass/Fail)
3	X Firearm safety device tested with firearm	89	Pass
	Firearm safety device tested without firearm.		

Remarks/Notes:**(8) Sawing Test**

The testing agent shall accomplish a test using a standard carbon steel hacksaw blade with 32 teeth per inch with a constant vertical downward force of ten pounds. The test shall consist of 120 cycles with no time limit, by hand. At the conclusion of the sawing test, the testing agent shall manipulate the firearms safety device for fifteen seconds by hand in an attempt to disable the firearms safety device.

Sample No.	Test Condition	Cycles	Results (Pass/Fail)
3	X Firearm safety device tested with firearm	120	Pass
	Firearm safety device tested without firearm		

Remarks/Notes:

Sample tested at front and back of lock body

Manipulation conducted by hand subsequent to Sawing Test for 15 sec (Pass)

Drop Test

Sample No.	Sections (C) thru (F) do not apply to lock-box type devices.	Results (Pass/Fail)
4	(A) With the locking mechanism facing directly up.	Pass
	(B) With the locking mechanism facing directly down.	Pass

Remarks/Notes:

This test was performed in accordance with the specification requirements and the results properly reflect the performance of the listed sample.

Childers

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