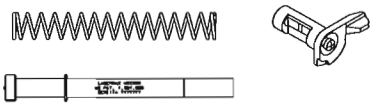
INTRODUCTION

DANGER: LASER LIGHT IS EMITTED FROM THIS SIGHT. AVOID DIRECT EYE EXPOSURE.

Laser radiation is emitted from the front of the laser when the switch is depressed and the red on indicator is visible. Please read the warning labels found in this manual.

INITIAL INSPECTION



VISUAL

LaserMax products are shipped in anti-static material for protection. If the shipping carton is severely damaged, notify the carrier immediately for insurance purposes.

QUALITY CONTROL

All LaserMax products undergo extensive inspection and testing before shipment. A final test sheet is included for your reference.

CLEANING AND STORAGE

The laser output window may become fogged by smoke during extended firing. To clean, **UNLOAD THE PISTOL AND TURN OFF THE LASER** before cleaning with a lens cleaning fluid and a soft cloth.

INSTALLATION

SLIDE AND SPRING GUIDE REMOVAL

UNLOADING

Press the magazine release button and remove the magazine.

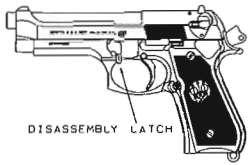
Clear the chamber by pulling back the slide.

Check the chamber to ensure there is no round in the chamber.

<u>DO NOT LOCK THE SLIDE WITH THE SLIDE CATCH LEVER.</u>

REMOVAL OF THE SLIDE

Hold the pistol in the right hand, muzzle slightly elevated; with the left forefinger depress the disassembly latch release button and with the left thumb rotate the disassembly latch clockwise until it stops, wing pointing down. See drawing at right. In one smooth stroke, pull the barrel/slide assembly clear of the frame.



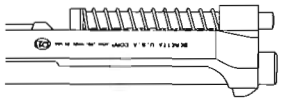
Note: The barrel/slide assembly can also be pulled free of the frame by grasping the slide from above. This method has the advantage of allowing the thumb to swing under the slide, supporting the recoil spring/guide unit while pulling the barrel/slide assembly off the frame.

CAUTION

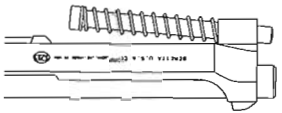
The recoil spring is under compression and is subject to accidental release. The spring and guide can be launched a great distance. Wear protective safety glasses and point the slide assembly in a safe direction while the spring is under compression.

REMOVAL OF THE SPRING AND GUIDE

Grasp the recoil spring and with forceful control, slide it forward about 1/2" and lift it out of the slide.

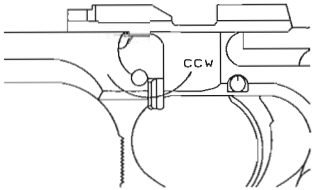


Remove the spring and guide and place in storage.



DISASSEMBLY LATCH, RELEASE BUTTON REMOVAL

Hold the pistol frame in the right hand and with the right forefinger, depress the disassembly latch release button. With the left hand rotate the disassembly latch counter clockwise until the lever stops. Pull the disassembly lever outward and remove the lever from the frame. Slowly decrease pressure on the release button until the spring pressure is gone and pull the release button out of the frame.

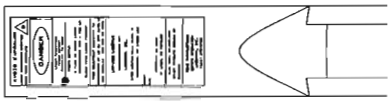


NOTE: You should use the disassembly latch button and spring provided by the firearms manufacturer and the disassembly lever provided by LaserMax.

SAFETY AND COMPLIANCE LABELING

IMPORTANT: Install the required labeling. Operation of a laser product without the required safety labeling may violate Federal Law. CAUTION: Install FDA label on the <u>OUTSIDE</u> of the pistol frame.

Please refer to the drawing at right for the proper placement of the label.



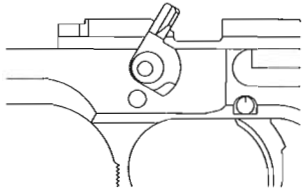
The label contains the required warning for a CLASS III A laser. A certification section

stating that LaserMax certifies the product complies with FDA regulation, the LaserMax address, and the month and year of manufacture.

Clean the bottom of the pistol frame with alcohol or nail polish remover. Install the required label in the position indicated on the bottom of the frame in front of the trigger guard.

INSTALLATION OF DISASSEMBLY LATCH/LASER SWITCH AND RELEASE BUTTON

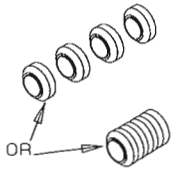
Hold the frame of the pistol in the right hand with the right side of the frame facing upward. Insert the disassembly latch release button **spring** into the proper hole in the frame. Place the disassembly latch release **button** into the frame with the recessed spring hole in the **button** lined up with the release button **spring**. Press and hold the release button so that it is flush with the frame. While holding the release button, place the LaserMax disassembly latch into the left side of the frame and rotate it clockwise until it stops against the release button. Make sure the disassembly latch is under the end of the release button.



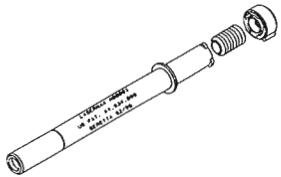
The laser switch should be centered in the frame before the slide assembly is installed.

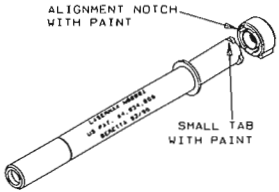
INSTALLATION OF BATTERIES

The batteries must be clean and free of finger oils. Contaminated battery contacts will cause premature failure of the battery. Never mix old batteries with new ones or different types of batteries. Service temperature range is -10°C to +50°C (+14°F to +120°F). Protect the laser sighted pistol from freezing temperatures.



Installation or replacement of the battery set is accomplished by removal of the battery cap from the rear of the LMS laser spring guide. Hold the laser spring guide in the left hand, and with the right hand push the cap onto the spring guide and simultaneously rotate the cap counter clockwise to remove it. Place 4 new 377 silver oxide cells (LaserMax recommends Everyready Energizer) or 1 LMS-377 battery pack into the battery compartment with the rounded (-) terminal into the tube and the plus side (+) up facing out. Now replace the battery cap by aligning painted tab with painted notch on cap (only one position is possible), pressing down and rotating the cap clock- wise. Note: Some resistance will be felt rotating the cap until it is locked into position.

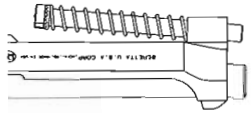


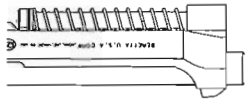


LASER SPRING GUIDE INSTALLATION

Slide the LMS Recoil Spring on the laser sight guide rod and seat the accuracy washer firmly against the battery cap by pushing on the recoil spring.

Caution: Make sure that the two short legs are resting on the barrel.





See **CAUTION** on page 5. With the short legs of the battery cap facing down, firmly grasp the battery cap and insert the assembly into the slide while pushing forward and down. When installing the LMS laser spring guide, be sure the legs on the battery cap of the LMS laser spring guide rest centered against the bottom of the front barrel lug as shown at right.

The LMS-1441 uses the factory recoil spring. The LMS 1431 must use our spring. The factory spring will damage the sight.

SLIDE INSTALLATION

Reassemble the slide to the frame. Pull the slide 1/4"past the barrel locked position and rotate the disassembly latch to the horizontal position. If resistance is felt during assembly, do not force. Remove the slide, ensure that the cap and short legs are positioned as required, then attempt assembly again.

OPERATION

TURNING LASER ON AND OFF

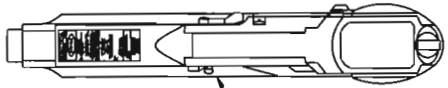
Cycle the slide fully several times to ensure the LMS sight is seated in the receiver.

Point the Pistol in a safe direction, push in the disassembly latch/laser switch with your trigger finger until a click is felt. The emission indicator will be visible.

The laser sight should be projecting a pulsing red beam that closely matches the factory open sight.

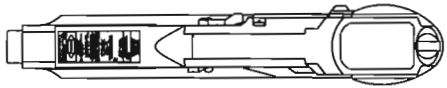
Turn the laser sight off by recentering the disassembly latch/laser switch, pressing in the opposite direction until the red indicator is no longer visible.

Pressing the disassembly latch/laser switch further will turn the sight on again and expose the red on indicator.



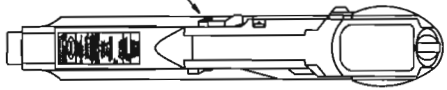
ON POSITION

RED ON INDICATOR



OFF POSITION

RED ON INDICATOR



ALTERNATE ON POSITION

SERVICE

TROUBLESHOOTING

If the laser fails to operate, please consider the following possibilities:

1. Please review instructions. Cycle the action to assure electrical contact. **NOTE:** some new guns may have finish on the frame which could prevent the laser from turning on. Cycle the action many times till the laser stays on, or break the gun in with 50 rounds of ammo.
2. Are all batteries or battery pack installed with the '+' side toward the battery cap? Are the battery contacts clean?
3. If possible measure the battery voltage. Minimum of 1.5 volts for each cell or 6.0 volts for the pack.
4. Does the battery pin protrude from the plastic cap?
5. Is switch/Disassembly latch installed correctly?
6. Does the frame have excess lubricant?
7. Is the battery temperature above -10°C (14°F) ?

If the steps listed above do not yield results and the laser still fails to operate, please contact our Customer Service Department at **1-800-LASER-03.** Technical assistance is available between **9:00 AM - 5:00 PM EST** Monday-Friday. The Representative can issue a RMA # if the laser requires factory repair or replacement.

Please do not return any LASER OR ACCESSORY to the factory without first obtaining a return authorization number from a LaserMax Customer Service Representative.

OPERATIONAL HINTS

1. This laser sight is designed as a backup for instinctive open sight shooting.
2. This sight is optimized for close combat under low light conditions.
3. Always compare your laser sight point of aim to that of your open sights to assure accuracy before use.
4. Laser sights are not toys, don't waste your batteries on horse play. Never point your laser sight directly into another's eyes.
5. Keep a fresh set of batteries for carry and use older batteries for practice.
6. Battery contacts must be cleaned of finger oils before installation.
7. Batteries are available from LaserMax, or from electronics, and photo specialty stores.

SPARE PARTS LIST LMS-1400 SERIES

Beretta Model #	92/96 S,SB,SBF,F,FS	92FC, 92F TYPE M
	G,DS, and DAO	92/96
CENTURION		
High Brightness Model #	**LMS-1441**	**LMS-1431**
1. Serial # and FDA Warning Label	LMS-301	LMS-301
2. Recoil Spring	N/A	LMS-431
3. Service Kit (Items 2,4,5 and 9)	LMS-456	LMS-486
4. Battery Pack (14°F to 120°F)	LMS-377	LMS-377
5. Battery Cap/Shock Buffer	LMS-442	LMS-442
6. Disassembly Latch/Laser Switch	LMS-400	LMS-400
7. Accuracy Washer	LMS-405	LMS-405
8. LMS-1400 Series Manual	LMS-420	LMS-420

WARRANTY

LaserMax, Inc. laser products, except expendable parts, are warranted to be free from defects in material and workmanship for a period of three years from the date of purchase, as shown on the warranty card returned to LaserMax. Expendable parts shall be defined as batteries, springs, and replaceable plastic parts. Expendable parts of some models have definite life expectancies. They should be replaced as recommended to protect the laser and preserve your warranty. This warranty shall benefit, and may be enforced **only** by the initial purchaser of the laser system and is not transferable. Warranty is limited solely to repairing or replacing the part(s), at the discretion of LaserMax, Inc.; which proves to be defective during the warranty period. Parts and equipment replaced under warranty will not be returned. Parts and equipment repaired under warranty will be covered for the remaining portion of the original warranty period. This warranty does not apply to equipment or parts which upon inspection by LaserMax, Inc. are determined by LaserMax, Inc. to have become defective or unworkable due to abuse, mishandling, misuse, alteration, negligence, improper installation or maintenance, damage resulting from use of springs not supplied with laser, damage resulting from repair or attempted repair by anyone other than LaserMax, Inc. or a repair facility authorized by LaserMax, Inc., or other causes beyond the control of LaserMax, Inc. All returns must have factory labeling present and legible. All returns require a return authorization number available from our Warranty Department at 1-800-LASER-03. The hours of operation are from 9 a.m. to 5 p.m. EST, Monday through Friday.

LASERMAX, INC. DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE LASERMAX, INC. LASER PRODUCT IS FOR A PERIOD OF THREE (3) YEARS FROM DATE OF PURCHASE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.