

Section 20

Service Light (Candle)

The multiple-stage service light (or candle) mounts on top of the enclosure. Each stage illuminates in various combinations (slow flash, fast flash, solid on or off) to indicate certain game modes or conditions (door open, change request, etc.). The pattern of service light illumination may change from jurisdiction to jurisdiction. Refer to the related troubleshooting manual for specific service light operation.

Information in this section includes:

- **Section 20.1, Service Light Routine Maintenance** - provides service light maintenance procedures.
- **Section 20.2, Service Light Lamp Replacement** - describes lamp replacement procedures.
- **Section 20.3, Service Light Removal and Installation** - details service light (candle) removal and installation procedures for the top box.
- **Section 20.4, Service Light Functional Verification** - provides procedures to verify proper service light operation.



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20.1 Service Light Routine Maintenance

The multiple-stage service light requires only occasional cleaning and lamp replacement.

The service light does not require routine cleaning. However, the exterior surface can be dusted occasionally with a clean, soft, lint-free cloth. A mild, anti-fogging plastic or glass cleaner may be used if needed.

Caution: *Do not use cleaning solvents that contain ammonia on the exterior of a brass enclosure. Permanent damage to the finish will result.*



20.2 Service Light Lamp Replacement

The service light assembly does not need to be removed to replace a lamp. To replace a lamp, see Figure 20-1 and proceed as follows.

1. Open the machine door and turn the **power off**.
2. Remove the acorn (cap) nut on the top of the service light.
3. Hold the lower lens and carefully slide the housing that consists of the cover, upper lens, lens coupling ring and lower lens, up and away from the base to avoid damaging the colored mylar used to denote each service light stage.
4. Carefully set the housing on a flat surface so that the cover, upper lens, lens coupling ring, and lower lens stay together in one piece.
5. Turn the lamp counterclockwise to release it from the lamp receptacle.

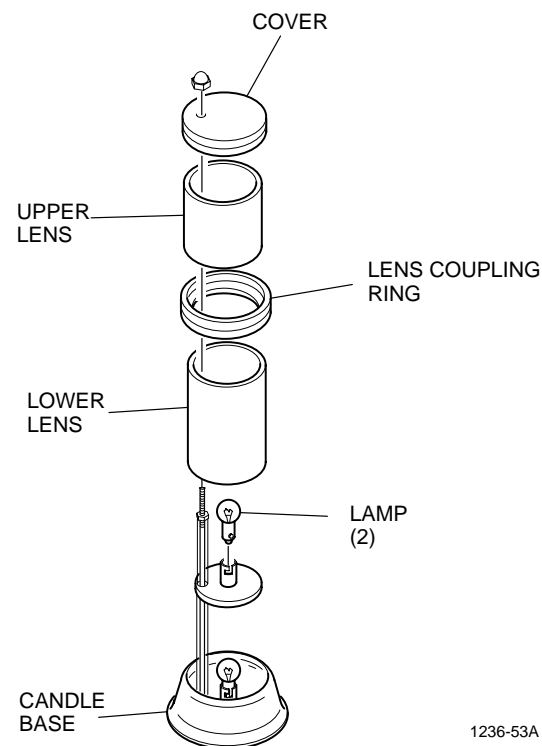


Figure 20-1. Lamp Replacement.



6. Install a known good lamp in the lamp receptacle by lining up the notch on the lamp with the groove in the lamp receptacle. Carefully push down and turn clockwise to engage the lamp in the lamp receptacle.
7. Replace the housing that consists of the cover, upper lens, lens coupling ring and lower lens, by holding it at the lower lens and sliding it into the candle base. Orient the seam in the colored mylar so it faces the back of the machine. Rotate the cover as needed so the mounting post goes through the hole in the cover. Secure in place with an acorn nut.



20.3 Service Light Removal and Installation

This section provides removal and installation procedures for the service light.

Note: *If the machine does not come with a top box, open the machine door and remove any components necessary to gain access to the service light (refer to the applicable section in this manual for individual component removal and installation procedures).*

Removal

To remove or install the service light, see Figure 20-2 and proceed as follows.

1. Open the machine door and turn the **power off**.
2. If the machine is equipped with a top box, remove the top box glass for access to the bottom of the candle assembly.
3. Disconnect the service light harness from the upper enclosure or top box harness.
4. Remove the two screws and flat washers located inside the top panel or top box that secure the service light and green ground wire in place.

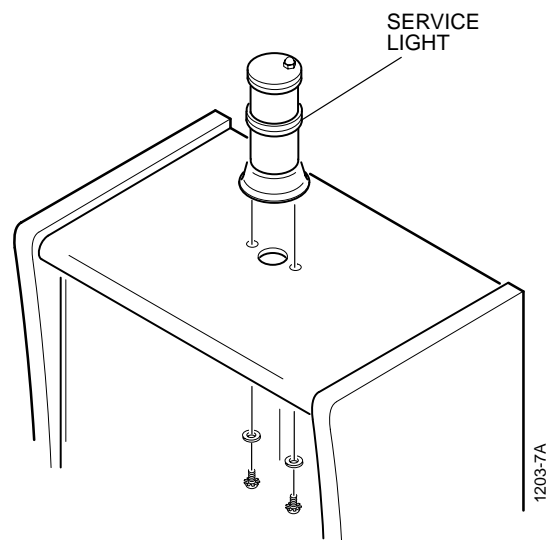


Figure 20-2. Service Light Removal.



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5. Lift the service light straight up from the enclosure and carefully feed the harness and its connector up through the hole in the top box.

Installation

1. Carefully insert the service light harness down through the hole in the top of the top box and position the service light so the acorn nut and the seam in the colored mylar is positioned toward the back of the machine.
2. Align the two mounting holes in the service light base with those in the top box from inside the enclosure.
3. Hold the service light in place and thread the two screws and flat washers that secure the service light and green candle ground wire to the top box and tighten securely.

Note: *Be sure to attach the green ground wire to the zinc-coated mounting hole for proper grounding contact.*

4. Connect the service light harness to the upper enclosure or top box harness.
5. Install the top box glass if it was removed.
6. Turn the **power on** then close and lock the machine door.



20.4 Service Light Functional Verification

If the service light fails to illuminate when it should, take the following steps to resolve the problem.

1. Verify that the lamp is firmly seated in the socket.
2. Verify that the wiring is connected properly and not damaged. Refer to the appropriate electronic diagrams and parts manual for the wiring diagram.
3. Replace the service light lamp. Contact IGT Customer Service to order replacement parts.



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