Lighting Kit Installation for *Need for Speed*™ Underground Upgrade Cabinets

Document Part #: 040-0088-01

This document describes the steps for installing the cold-cathode lighting kit on *Need for Speed*™ **Underground** Upgrade Cabinets. The cold-cathode light assembly adds a dramatic lighting effect. This lighting kit can be installed under the seat or above the pedals.

Kit Contents:

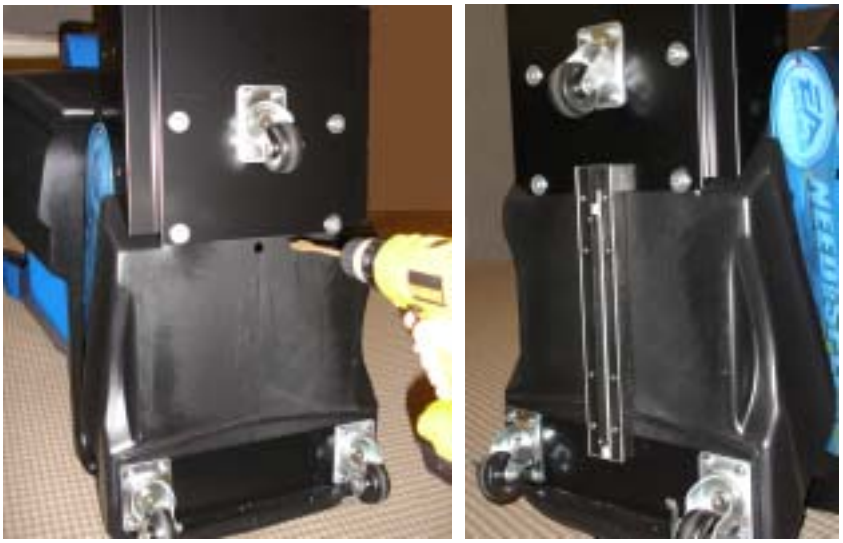
- Cold Cathode Lighting Assembly with Power Inverter
- DC Power Harness (Not Required to Install Above Pedals)

Tools Required:

- Pencil
- Drill with 3/4" Bit
- Screwdriver with assorted Phillips and Torx® Security Bits

Installation Under Seat

1. Remove the eight (8) Torx bolts that secure the seat to the cabinet.
2. Carefully slide the seat away from the cabinet and disconnect the harnesses between the seat and cabinet.
3. Place the seat on its back, as shown below.
4. Using a 3/4" drill bit, drill a hole on the centerline of the seat bottom, about 1/2" below the metal plate that supports the front wheel, as shown in the first part of the picture below.



5. Run the harness through the hole that you drilled, and center the lighting assembly between the two metal plates, as shown in the second part of the picture above.

6. Secure the lighting assembly with the four (4) screws that are partially screwed into the assembly. **Do not over tighten the screws.** The screws are anchoring in plastic only. If you over tighten them and strip out the plastic, you will have to relocate the lighting assembly.
7. Reach through the hole in the front of the seat base and connect the light harness to the power inverter. Use the Velcro to secure the power inverter in the seat assembly, as shown below.
8. Connect the DC power harness, with power switch, to the power inverter. Make sure the power switch is in the ON (**I**) position.

9. Place the seat in front of the cabinet and re-connect the harnesses. Run the power harness from the light into the cabinet and connect it to an available +5/+12 VDC connector. A spare connector is provided on the harness.
10. Power ON the cabinet and make sure the lighting works. Also verify shifter, e-brake, and brake light function before securing the seat to the cabinet with the bolts removed previously.

Installation Under Control Panel

1. Refer to the figures on the next page and mark a location for the harness hole as follows:
   - Standard Cabinets (27" Monitor): 1" from the pedal panel, and 1-1/4" from the wall of the coin vault (see Figure 1).
   - Deluxe Cabinets (39" Monitor): 1" from the pedal panel, and 3" from the left-side vault (see Figure 2).
2. Open the control panel and check to make sure that no cables or components will be damaged when you drill. Drill a 3/4" hole at the location you marked.
3. Place the light assembly as follows:
   - Standard Cabinets (27" Monitor): Against the pedal panel and the wall of the coin vault, with the harness running through the hole that you drilled (see Figure 1).
   - Deluxe Cabinets (39" Monitor): Against the pedal panel, centered between the two vaults, with the harness running through the hole that you drilled (see Figure 2).

4. Tighten the four (4) screws that are partially installed in the light assembly to secure it to the cabinet.

   Note: The light assembly will cover a small part of the speaker opening or grill.

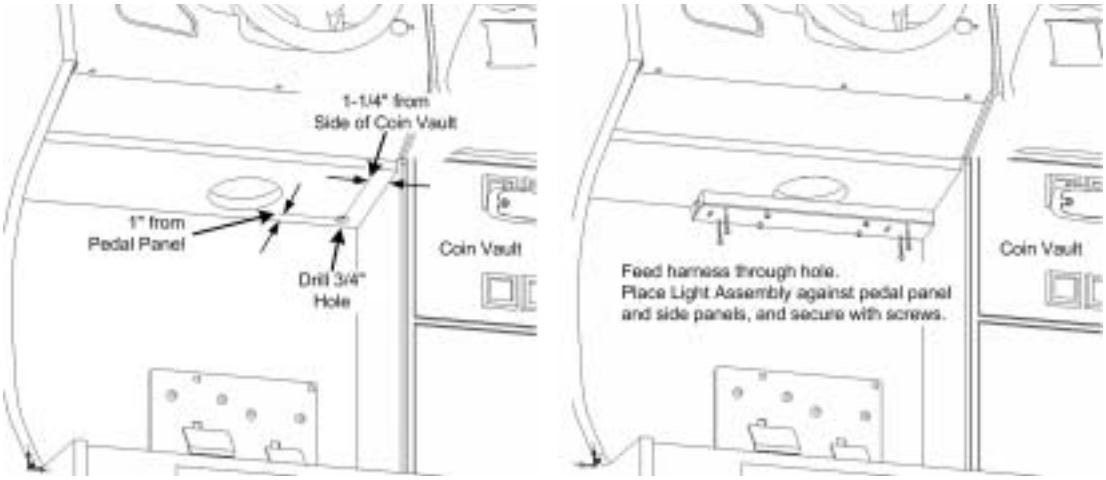


Figure 1. Light Placement on Standard (27" Monitor) Cabinets

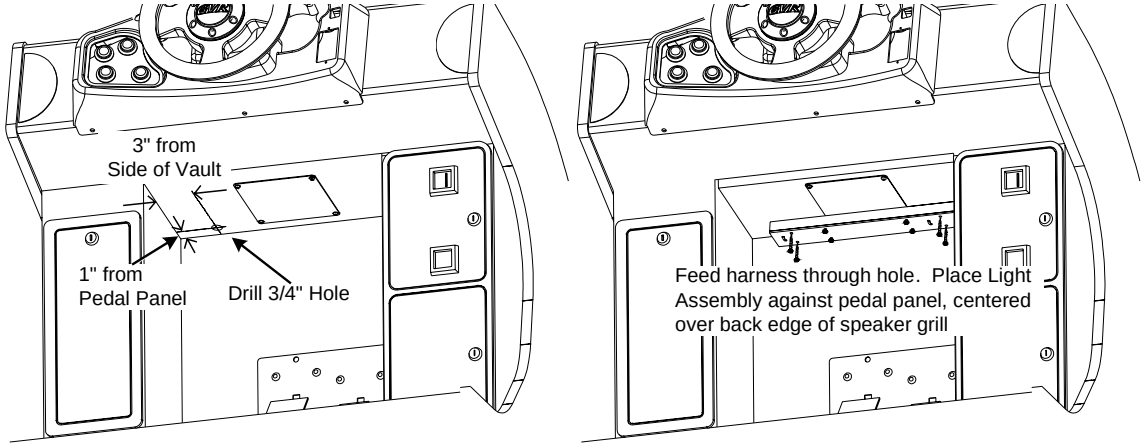


Figure 2. Light Placement on Deluxe (39" Monitor) Cabinets

5. Open the control panel and connect the harness from the light assembly to the power inverter.
6. Run the power harness (part # 115-0073-01) from the power inverter into the cabinet and connect it to the cabinet +5/+12 VDC power harness. Use the spare connector on the power inverter harness if you need to disconnect another device from the power harness.
7. Secure the power inverter inside the control panel using Velcro® or a cable tie.
8. Close the control panel and secure it with the screws removed previously.

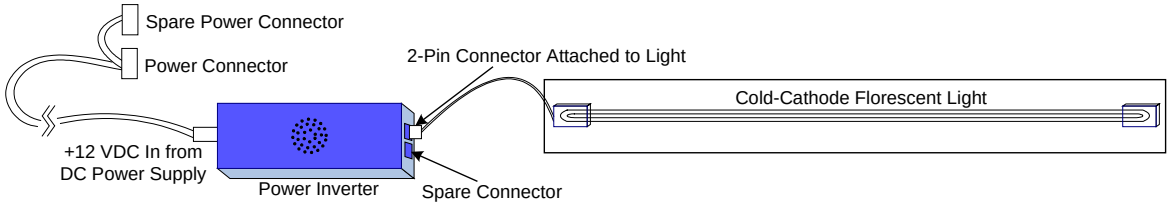


Figure 3. Cold-Cathode Light Wiring