

LED 1st/2nd Ball Light Kits

These Instructions cover the installation requirements for two separate LED Ball Light kits offered by Brunswick. There is a kit for 1993 - 1998 Masking Units and another kit for 1998 - Present Masking Units. Choose the appropriate installation procedure for the kit ordered.

Packaging

LED Ball Light Kit for 1993 - 1998 Masking Units

1 ea.	53-861665-000	Pkg. - Ball Light Assembly, LED 1993-1998
1 ea.	53-861666-000	Pkg. - Cable - LED 1st & 2nd Ball Light
1 ea.	53-900217-000	Installation Instructions

LED Ball Light Kit for 1998 - Present Masking Units

1 ea.	53-861664-000	Pkg. - Ball Light Assembly, LED 1998 - Present
1 ea.	53-861666-000	Pkg. - Cable - LED 1st & 2nd Ball Light
1 ea.	53-900217-000	Installation Instructions

Installation - LED Ball Light Kit - 1998-Present Making Units

1. Remove the existing ball light assembly and cable assembly from the masking unit frame.
2. Insert the ends of three plastic tree rivets on the 1st/2nd ball light assembly through the holes in the masking unit frame. Make sure that the cable connection is facing upward. Refer to Figure 1.

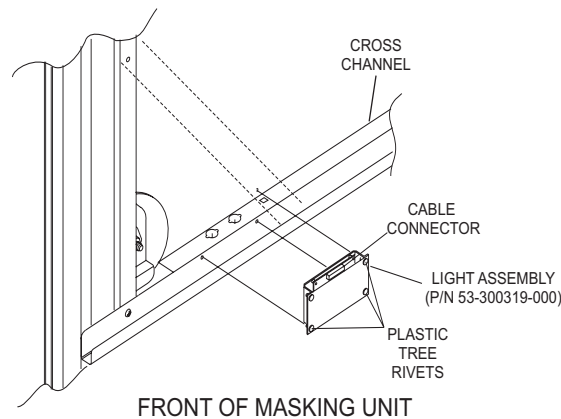


Figure 1



Important! Masking units connecting to GS-Series pinsetters with Nexgen electronics or AMF 8290XL / 8800 upgraded pinspotters do not need the ON/OFF switch. Either install the toggle switch as described below for possible future use OR cut the wires to the switch and discard switch. For ALL installations on AMF pinspotters the cable assembly must be rewired to configure the cable for 12V use. Refer to the cable schematic, Figure 4, for proper wiring.

3. Thread the round nut halfway onto the toggle switch. Insert the switch into the hole on the cross channel and secure with the thin nut. Refer to Figure 2.

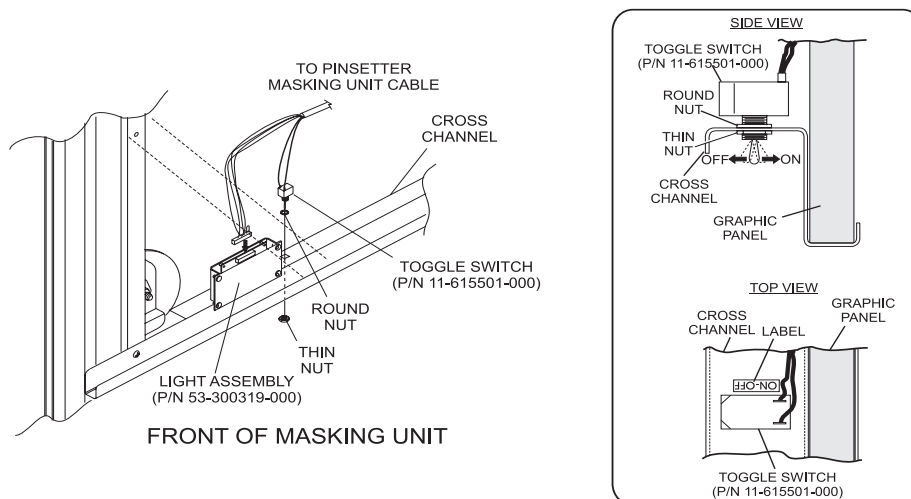


Figure 2

4. Check the switch for position and install "ON/OFF" decal. Refer to Figure 2.
5. Attach the cable assembly to the connector on the light assembly and route cable to the pinsetter's masking unit connection.

Installation - LED Ball Light Kit - 1993-1998 Making Units

1. Remove the existing ball light assembly and cable assembly from the masking unit frame.



Important! Masking units connecting to GS-Series pinsetters with Nexgen electronics or AMF AMF 8290XL / 8800 upgraded pinspotters do not need the ON/OFF switch. Either install the toggle switch as described below for possible future use OR cut the wires to the switch and discard switch. For ALL installations on AMF pinspotters the cable assembly must be rewired to configure the cable for 12V use. Refer to the cable schematic, Figure 4, for proper wiring.

2. Thread the round nut halfway onto the toggle switch. Insert the switch into the hole on the LED 1st/2nd ball light housing and secure with the thin nut. Refer to Figure 3.

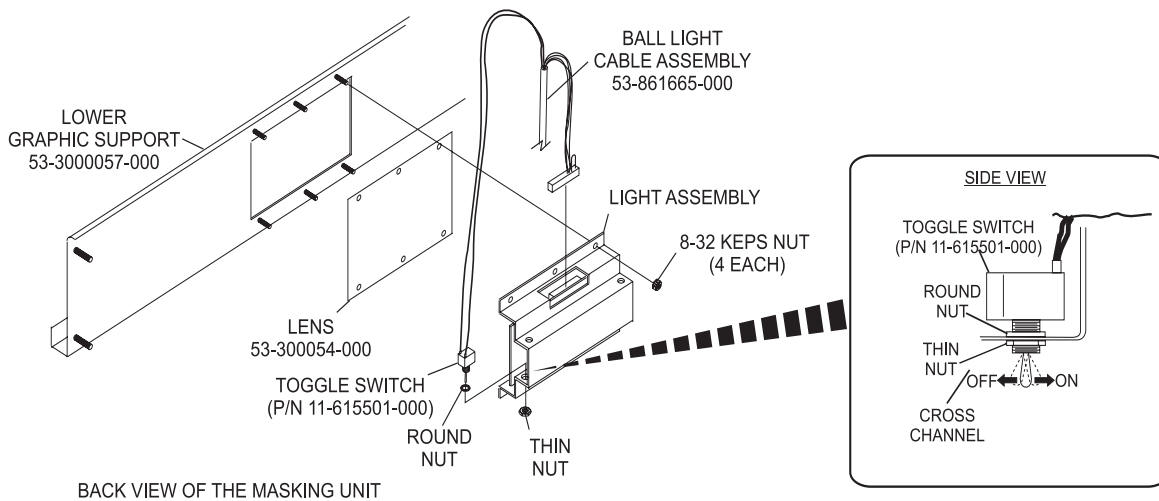
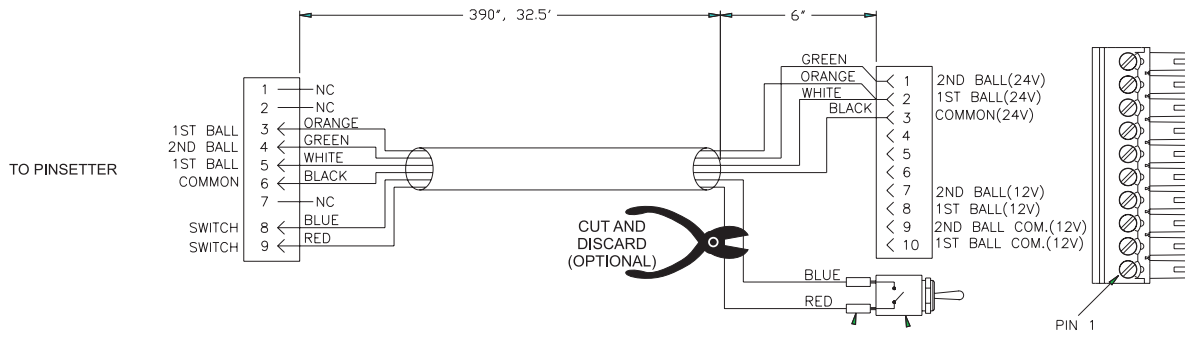


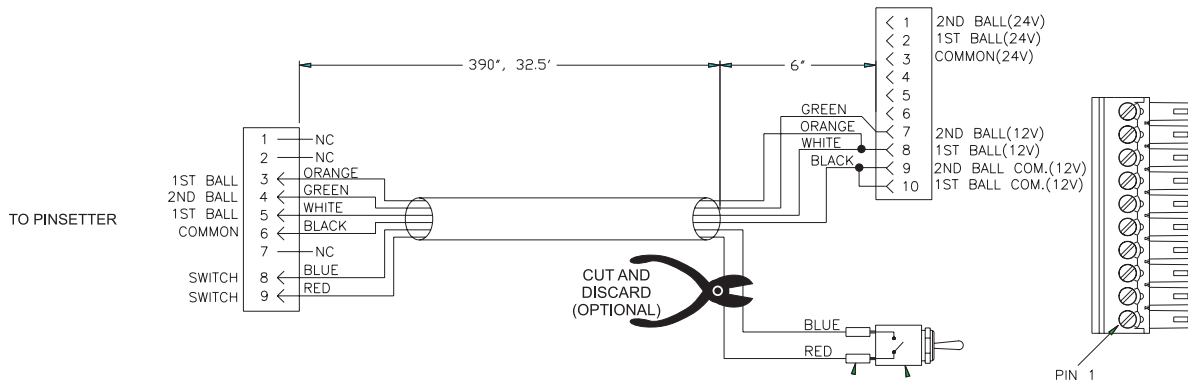
Figure 3

3. Install the red lens and the LED 1st/2nd ball light housing on the six #8-32 studs of the lower graphic support. Make sure that the cable connection is facing upward. Refer to Figure 3.
4. Attach the cable assembly to the connector on the light assembly and route cable to pinsetter's masking unit connection.

Cable Schematic



CABLE WIRING FOR BRUNSWICK PINSETTERS



CABLE WIRING FOR AMF PINSPOTTER WIRING (FIELD MODIFIED)

Figure 4