

**INSTALLATION INSTRUCTIONS
FOR P8003-1-084**

Rev. 12-19-07

WARNING! SHUT POWER OFF AT FUSE OR CIRCUIT BREAKER.

RAIL SYSTEM

Installing your Rail System

READ THESE INSTALLATION INSTRUCTIONS BEFORE YOU BEGIN INSTALLING THIS NEW RAIL SYSTEM.

THIS PRODUCT SHOULD BE INSTALLED BY A QUALIFIED ELECTRICIAN

THIS SYSTEM MAY BE DIMMED WITH AN APPROPRIATE LOW VOLTAGE ELECTRONIC DIMMER.

1. Use maximum 50 Watt/12V BI-PIN bulbs on this system.
2. Make sure all connections are tight and secure.
3. Do not install any components of this system to any metal surface.
4. For use with models P8003 rail systems only.
5. The connectors should not come in contact with the power feed, standoffs or fixtures during installation or operation the system.

Tools needed for Installation:

Phillips Screwdriver; Flat Head Screwdriver, Hammer
Wire Cutters and (M3 and M4 Allen Wrench provided).

Track System: Use only with the electrical fittings identified for use with the P8003 Rail systems.

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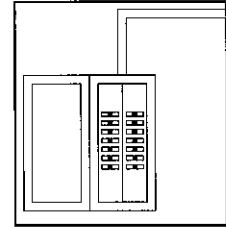
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This track system is to be supplied by a single branch circuit of 120 volts, single phase. Not intended for use with a power supply cord or convenience receptacle adapter.

This track is only to be used with other electrical fittings identified for use with the track system.

A. Take Inventory

CAUTION: Before you begin installing your new rail system; disconnect the power by removing the fuses or turning off the circuit breakers.



A. Package Contents

Model no: P8003-1-084 & P8003-1-467

Description	Qty
a. 300w Transformer w/Canopy	1
b. 48" track rail	2
c. Standoffs included Threaded Washer	4
d. Fixture Assemblies w/o Glass Shades	3
e. Glass shade	3
f. Connector	1

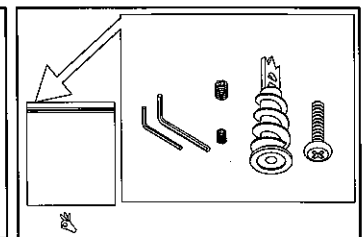
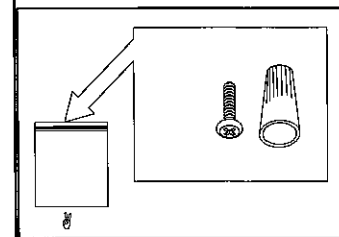
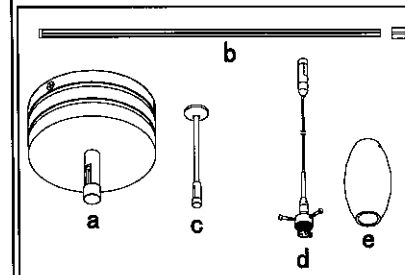
A. Hardware Bag;

A1. Screws	2
A2. Wire Nuts	3

B. Hardware Bag;

B1. Drywall Anchors	4
B2. Drywall Anchor Screws	4
B3. M4 Allen Wrench	1
B4. M3 Allen Wrench	1
B5. M3 Allen	2
B6. M4 Allen	2

P8003-1-

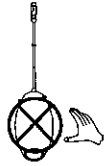


B. Important safety Instructions

Use only the JC type of lamp rated 12V 50W, maximum. CAUTION: To reduce the risk of a burn during relamping. Disconnect power. Allow bulbs to cool

CAUTION: Risk of Burn. Before energizing, ensure that the bare conductors are free from any foreign metallic objects that are not part of this lighting system.

CAUTION: Do not touch hot lens, guard or enclosure.



When installing or using the lighting system, basic safety precautions should always be followed including the following.

IMPORTANT SAFETY INSTRUCTIONS

- a) Read all instructions.
- b) Do not conceal or extend bus-bar conductors through a building wall.
- c) Do not install this system in damp or wet locations.
- d) For low voltage exposed insulated conductor systems required by 30.1 of UL2108 do not install any part of this system less than 7 feet (2.2m) above the floor.
- e) To reduce the risk of fire and burns, do not install this lighting system where the uninsulated open bus-bar conductors can be shorted or contact conductive materials.
- f) To reduce the risk of fire and overheating, make sure all connections are tight.
- g) Do not install any luminaire closer than 6-inches (15.25cm) from any curtain, or similar combustible materials.
- h) Turn off electrical power before modifying the light system in any way.

SAVE THESE INSTRUCTIONS.

CAUTION: Risk of fire, use only the type of lamp and maximum wattage marked on the fixtures.

CAUTION: To reduce the risk of fire do not use lamps identified for use in enclosed fixtures.

CAUTION: Keep protective glass in place.

CAUTION: INDOOR USE.

CAUTION: Use only a Xenon lamp, Type JC, rated 12 volts, 50W maximum,

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY

IMPORTANT SAFETY INSTRUCTIONS

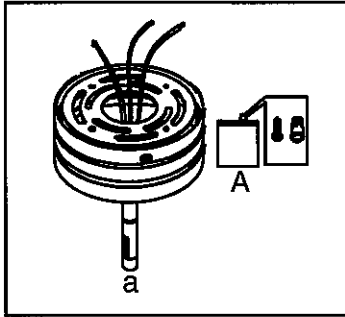
- Lighted lamp is HOT!
- **WARNING-**To reduce the risk of FIRE OR INJURY
- Turn off power and allow to cool before replacing lamp.
- Lamp gets HOT quickly! Contact only switch/plug when turning on.
- Keep lamp away from materials that may burn.
- Do not touch the lamp at any time. Use a soft cloth. Oil from skin may damage lamp.

CAUTION-To reduce the risk of fire do not use a lamp identified for use in enclosed luminaires when marked for shielded type lamp.

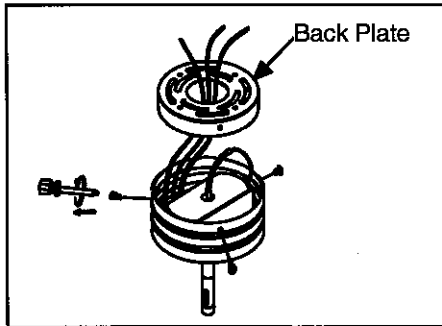
SAVE THESE INSTRUCTIONS.

C. Installing the Transformer

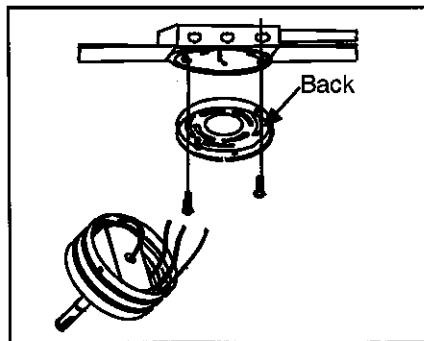
Step 1. Locate transformer(a) and transformer mounting hardware package in box(A) which contains 2pcs Screws and 3pcs wire nuts.



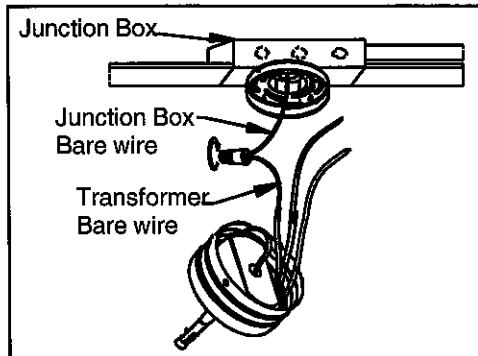
Step 2. Remove and set aside the 3 screws from the transformer to release the back plate.



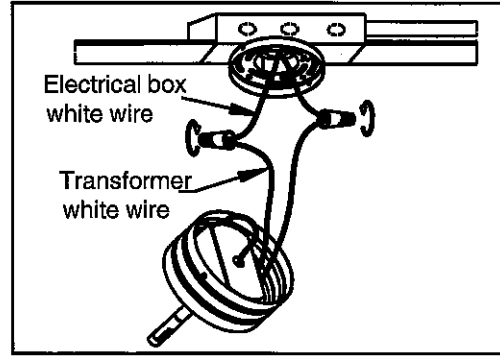
Step 3. Line up the back plate with the two screw holes from the junction box and secure the two screws supplied with the junction box.



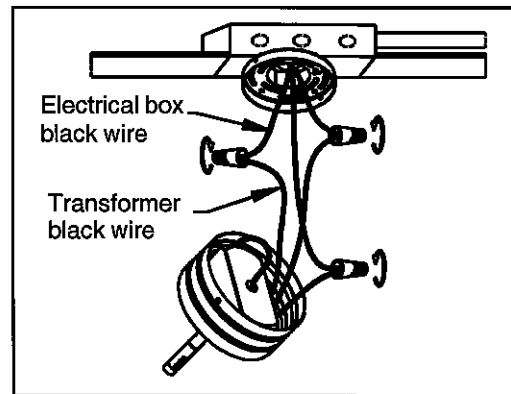
Step 4. Connect the bare (ground) wire for the transformer to the bare or green ground wire from the junction box use a wire nut to secure the connection.



Step 4. Connect the white (neutral) wire from the transformer to the white wire from the junction box. Use a wire nut to secure the connection.

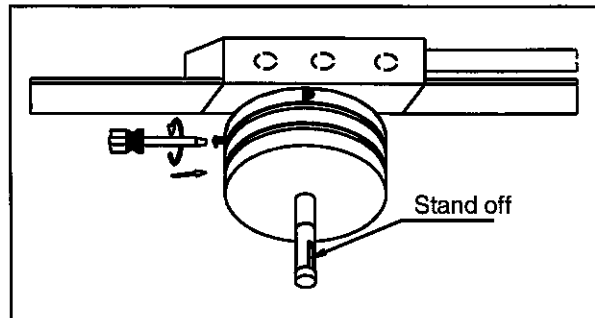


Step 5. Connect the black (hot) wire from the transformer to the black wire from the junction box use a wire nut to secure the connection.



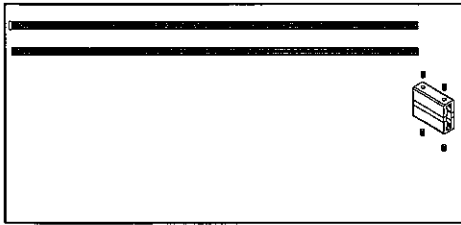
Step 6. Tuck the wire nut connections into the electrical junction box. Slide the transformer housing up until the holes line up to the back plate, make sure all wires are tucked in. Secure it in place with the 3 screws previously removed.

Note: MAKE SURE THAT THE STAND OFF IS IN ALIGNMENT WITH THE RAIL.

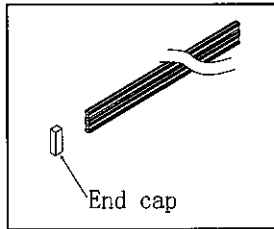


D. Preparing the Rail Sections for Installation

Step 1. Locate the 2pcs rails and 1 pc rail joiners.

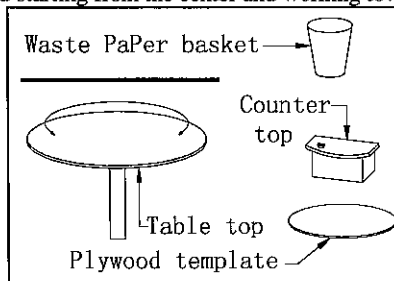


Step 2. If you would like to customise the length of the rails, use a hacksaw to cut to the desired length. Use a file or equivalent to remove any burrs from the rails. Remove and replace the end caps to the ends of the rails.

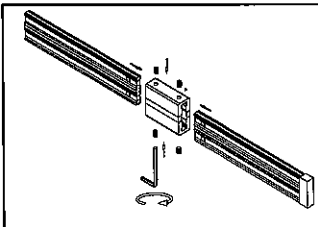


Step 3. To bend or curve the rail, follow step 4, If the rail will be mounted as a straight run, skip to step 5.

Step 4. Use a round kitchen tabletop or similar household item as a template to bend the rail. Carefully hold the rail with one hand starting from the center and working towards the ends.

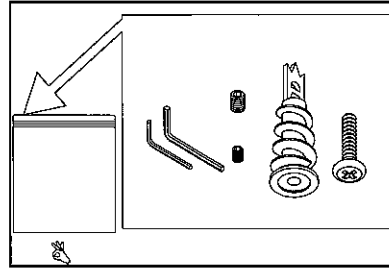


Step 5. Secure the pieces of rail together by inserting the ends of the rail firmly into the rail joiners. Tighten the Allen set screws with the Allen wrench provided.

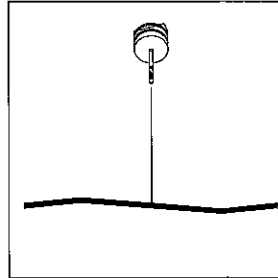


E. Installing the Rails to the Ceiling

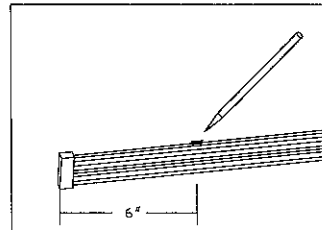
Step 1. Locate the package B. It contains 4pcs B1 Drywall Anchors, 4pcs B2 Drywall Anchor Screws, 1pc B3 M4 Allen Wrench, 1pc B4 M3 Allen Wrench, 2pcs B5 M3 Allen, 2pcs B6 M4 Allen.



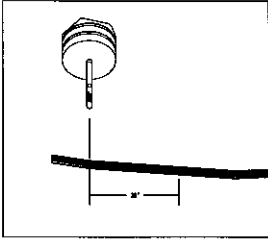
Step 2. Lay the assembled rail on the floor directly under the transformer.



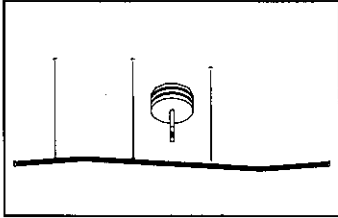
Step 3. The transformer and the standoffs will be used to support the rail from the ceiling providing a total of five supports. Use a pencil and tape measure to mark two of the support locations on the rail 6" from each end of the rail.



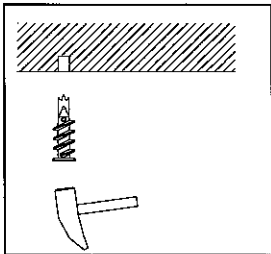
Step 4. Mark the remaining support locations on the rail no more than 38" apart. It is acceptable for a support location to fall directly over a rail joiner.



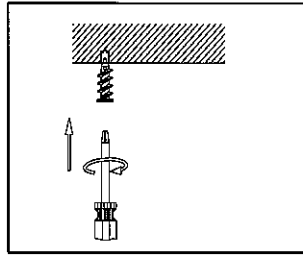
Step 5. Lift the rail to the ceiling. Lining the rail up with the Transformer, Use a pencil to transfer the standoff locations to the ceiling.



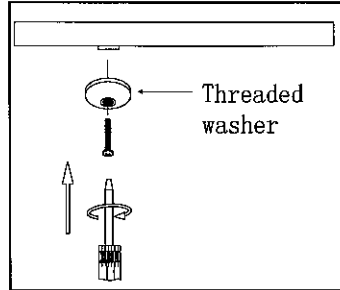
Step 6. Line up the drywall anchors with the marks on the ceiling and use a hammer to tap the anchor approximately 1/2" into the ceiling. Stop just before the threaded portion of the anchor enters the ceiling.



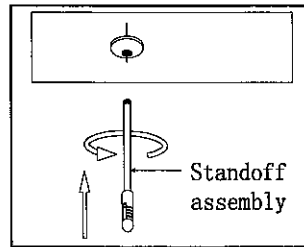
Step 7. Finish the installation using a screw driver to screw the anchor until it is flush to the ceiling.



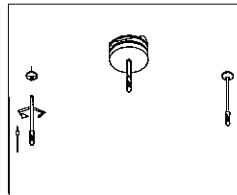
Step 8. Secure a threaded washer to the flushed anchor by driving a screw into the anchor. (Threaded Washer A).



Step 9. Secure the standoff assembly to the threaded washer.

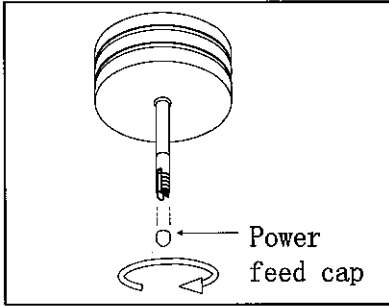


Step 10. Repeat step 6 and 8 for the remaining standoffs.

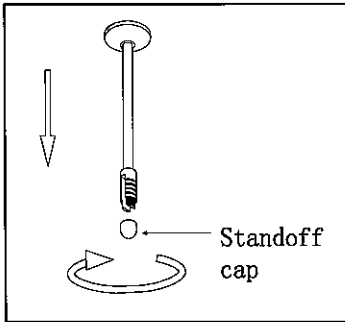


F. Securing the Rail to the Ceiling

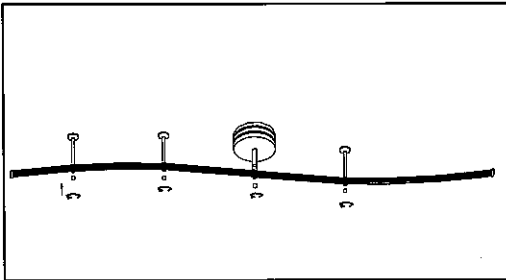
Step 1. Remove the transformer power feed cap from the base of the power feed.



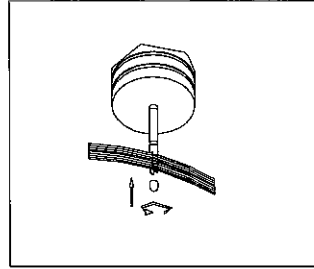
Step 2. Remove the standoff caps.



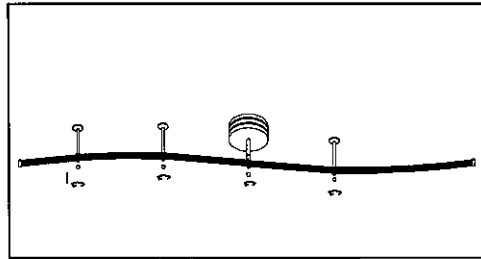
Step 3. Slide the rail into the standoffs and the transformer power feed.



Step 4. While supporting the rail, screw the transformer power feed cap back onto the transformer. The connection must be tight.



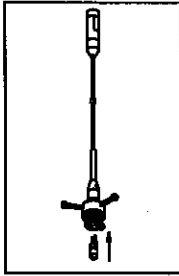
Step 5. Screw the standoff caps back onto each of the standoffs.



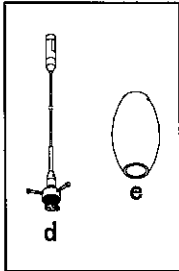
G. Installation of the fixtures

Step 1. Install lamps into socket.

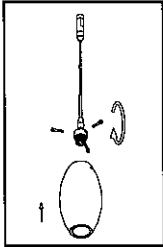
type JC, rated for 12V, 50W Max. (Included)



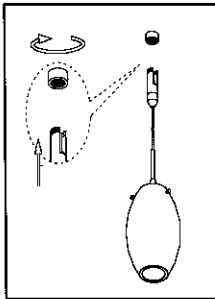
Step 2. Locate the 8- Fixture Assemblies w/o Glass Shades (d) and 8 glass shade(e)



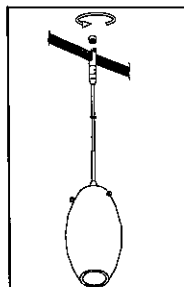
Step 3. Install the glass into the track pendent.



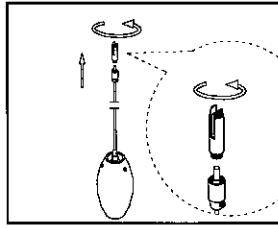
Step 4. Remove the fixture cap from each of the Fixture Cap (A)



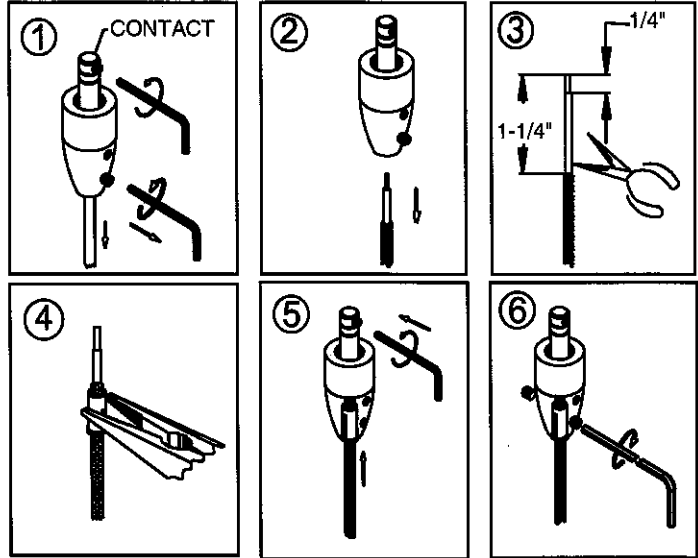
Step 5. Slide the fixture onto the rail and secure with a fixture cap. The connection must be tight and secure. Repeat this step for the remaining fixtures.



Step 6. Adjust the length for wire: remove the standoff completely.



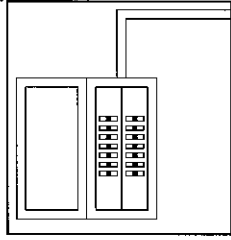
then:



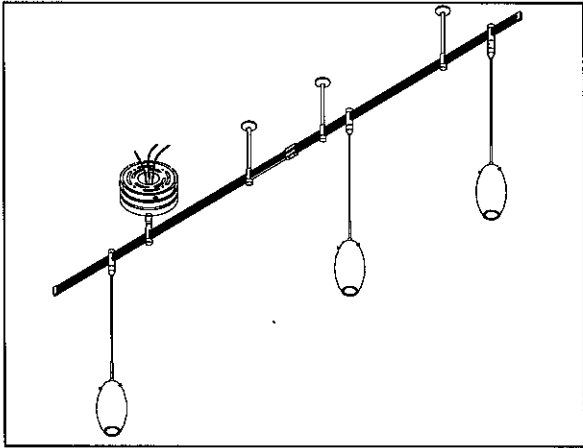
1. Remove set screw on contact. Back out the lower set-screw.
2. Withdraw cable.
3. Use a wire cutter cut to desired length. Strip away cable and braided sleeve 1-1/4", Trim 1/4" of plastic insulation exposing bare wire.
4. To prevent lower set screw from penetrating inner wire causing short, secure brass cover (included) over braided wire using pliers to crimp.
5. Reinsert cable into contact making sure the rabbet on the brass tube are vertical with lower set-screw hole, then tighten set screw and let set screw contact with exposed wire. Pull gently down along the braided cable to smooth out any wrinkles.
6. Use care not to move the cable position and tighten two lower set-screws first. Be careful not to pierce the insulation by over tightening.

H. Check for loose connections

CAUTION: Before you begin installing your new rail system; disconnect the power by removing the fuses or turning off the circuit breakers.



Step 2. Return power to the outlet box and turn the Cable System on and let it run for approx. 5 minutes, all lamps should be turned on. After the cable system has been turned on for approx. 5 minutes; **Avoid touching the bulbs to prevent burn injuries.** Check all the connections to make sure none is overheating. It is normal for the connections to be slightly hot to the touch but not enough to burn. If any of the connections is overly hot, or any of the lamps did not turn on or is flickering. This is usually caused by a loose connection. Check to make sure all the contact screws are securely tighten.



IMPORTANT: FIXTURE SHOULD BE INSTALLED BY A QUALIFIED ELECTRICIAN TO ENSURE PROPER WIRING AND INSTALLATION.

