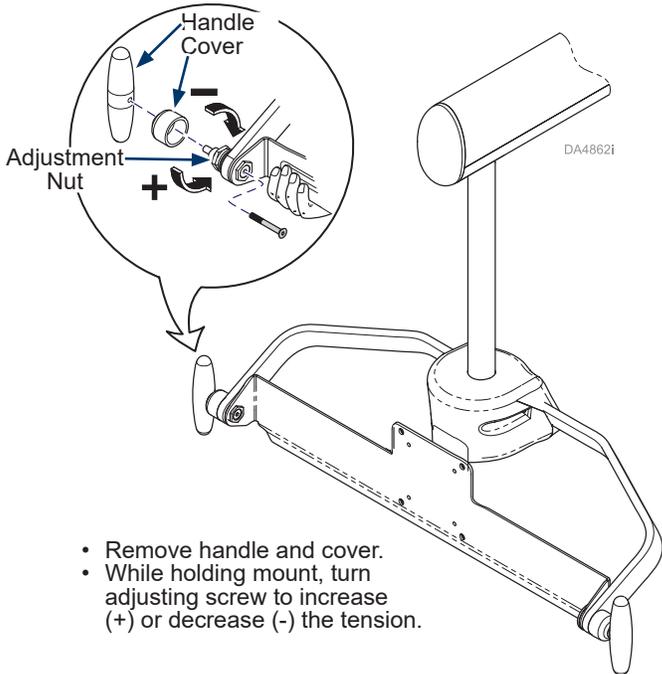


# Track Light Monitor Technician's Reference Guide

## Applies to Models:

- 153829 (-000 thru -008)
- 153906 (-010 thru -018)
- 153963 (-000 thru -008)
- 153964 (-010 thru -018)

### Monitor Tension Adjustment



- Remove handle and cover.
- While holding mount, turn adjusting screw to increase (+) or decrease (-) the tension.

#### Note

For Tension Adjustments at the Arm, Yoke, and Light-head pivots refer to your Dental Light User Guide.

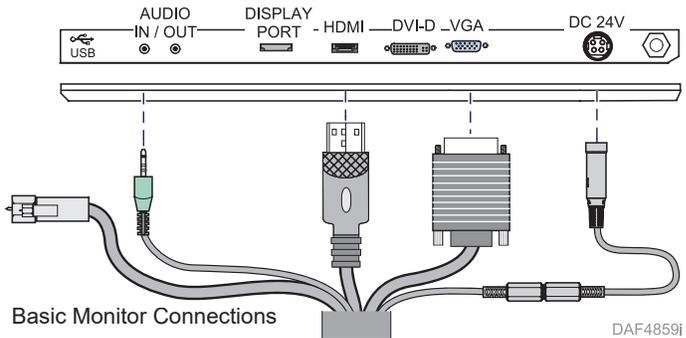
## IMPORTANT!

Keep this guide with this unit.



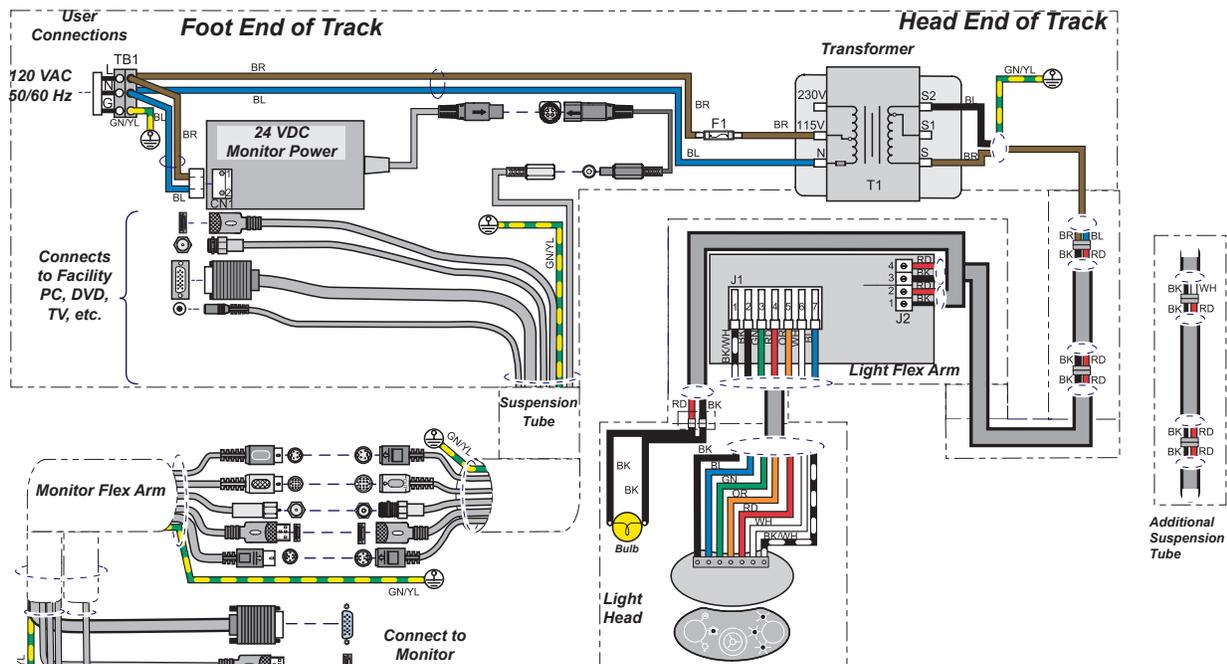
### Equipment Alert

This document addresses the Midmark monitor. For non-Midmark monitors, refer to that product's manual to ensure equipment functions safely including proper input voltage and is in proper working condition before use.



#### Note

RF connection is not used for 21.5" monitor. Connectors for monitor should be secured under cover for clean appearance. Reference the Quick Installation Guide.



#### Note

Reference Wiring Diagrams.



### Equipment Alert

A higher Refresh Frequency reduces any flicker on your screen, but choosing a setting that is too high for the monitor can make the display unusable and cause damage to the hardware.

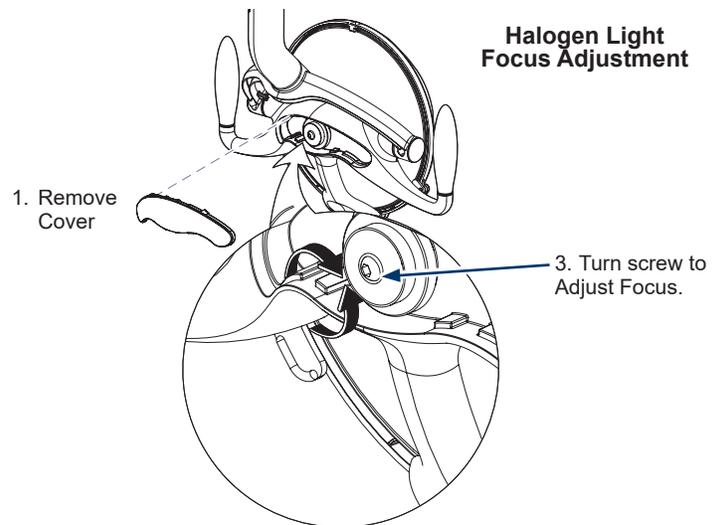
DIAGNOSTIC GUIDE		
Condition	Check	Solution
<b>Monitor does not power ON</b>	1. Check supply line voltage to TB1 terminal board.	If no voltage is present check supply line fuse or circuit breaker in facility.
<b>Monitor LED: Green: Power ON.</b>	2. Check batteries (two 1.5 VAC, AAA batteries) in Remote Control.	If weak or dead replace batteries.
<b>Amber: Power is On (Standby) No signal.</b>	3. Press Power switch on Monitor. Monitor LED should be green.	Press Monitor Power switch. If Monitor is powered but no signal is present the LED will be <i>Amber</i> .
<b>Black: Power OFF.</b>	4. Check all connections and harnesses from supply line voltage to Power Supply board and 24 VDC from Power Supply board to Monitor.	Correct or replace connections or harnesses.
	5. Check for 24 VDC output on Power Supply board between +V and Gnd. terminals.	If no voltage present replace Power Supply board.
	6. Substitute a known good 24 VDC Monitor and check operation.	If the substituted Monitor functions, replace Monitor.
<b>Track Monitor screen is black.</b>	1. If Monitor LED is Amber colored there is no signal to the monitor.	There is no signal coming from the video source.
	2. Check all cables and the connections in track and flex arms to assure they are good.	Correct connections or replace damaged cables.
<b>Monitor picture is "fuzzy" or "blurry" when on Cable or PC mode.</b>	1. Check ground wire connected to the Line Power terminal board (TB1).	Assure ground connection is secure.
	2. Adjust Monitor settings.	Refer to Corrections for Monitor Distortion on this reference.
	3. Check all harnesses and connections.	Correct connections and / or replace problem harnesses.
	4. Assure good cable TV signal is being supplied to system using a known good Monitor or TV.	Contact cable supplier to correct signal problems related to supplier.
	5. Too many connections on cable(s) between video source and monitor.	Only <i>1 (One)</i> cable per input between source and monitor is recommended.
	6. Cable is below minimum recommended specification for optimal output.	Assure cable specifications meet or exceed the recommended cable specifications.
<b>No Audio</b>	1. Check the Volume control on the PC, and the Monitor.	Turn up volume on the PC and the monitor.
	2. Check all connections and cables on the Audio.	Secure connections and check wiring integrity. Audio cable must be connected to a PC Sound Card or an Audio Source.
<b>Monitor has no picture, picture is not clear, or various colored lines appear.</b>	1. Broken wires produce these display results: Red wire = No red color. Blue wire = No blue color. Green wire = No green color.	Repair or replace the faulty harness(es).
	2. Solid White Screen. Check connections.	Repair connections.
<b>No picture when on Satellite or Digital Tuner.</b>	1. Check connections and channels on tuner.	Use the satellite remote to change satellite channels.
<b>Monitor drifts when released from desired position.</b>	1. Monitor pivot joint tension requires adjustment.	Adjust pivot joint tension on monitor mount (complete instructions in User's Guide).

### Note

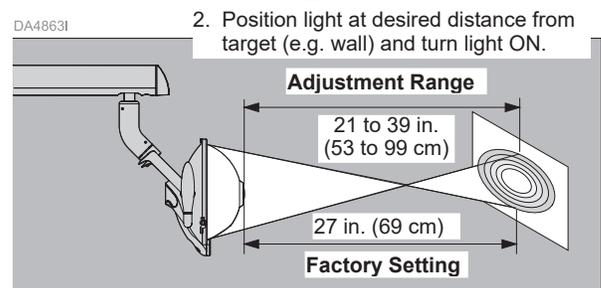
Monitor and remote control are manufactured by Exorvision. Reference the manufacturer's literature for more information.

DIAGNOSTIC GUIDE		
Condition	Check	Solution
<b>Light will not operate when any function is selected.</b>	1. Light is in Auto On mode and flex arm is positioned above horizontal plane.	Lower flex arm so that it is below the horizontal plane. Light will come on.
	2. Bulb is burned out or bad socket.	Replace bulb or socket.
	3. Power to light is Off.	Turn on power at source.
	4. Fuse is open or blown.	Replace F1 fuse (refer to wiring diagram.)
	5. Transformer open or malfunctioning.	Check continuity. If open winding(s) replace transformer.
	6. Wire broken within light arm, flex arm or pivot joint.	Replace light harness(es).
	7. Light control PCB malfunctioning.	Replace PCB with known good one.
<b>Lighthouse illuminates but not a correct intensity.</b>	1. Faulty bulb	Replace bulb.
	2. Facility Power is low.	Power should be 115 VAC (+/- 10%).
	3. Lighthouse shield is clouded (may be due to using too strong disinfect / cleaning solution).	Replace Shield assembly.
<b>Light is out of focus, not producing a sharp pattern.</b>	1. Light is out of focus.	Adjust light for desired focus. Focus is set at factory at 27" (69 cm). See instructions on opposite side or in User's Guide.

### Halogen Light Focus Adjustment



DA4863I



### Note

Distance is measured from the lighthouse to the patient.