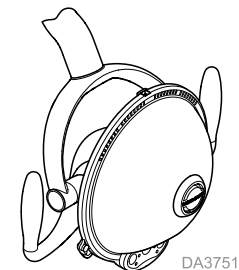
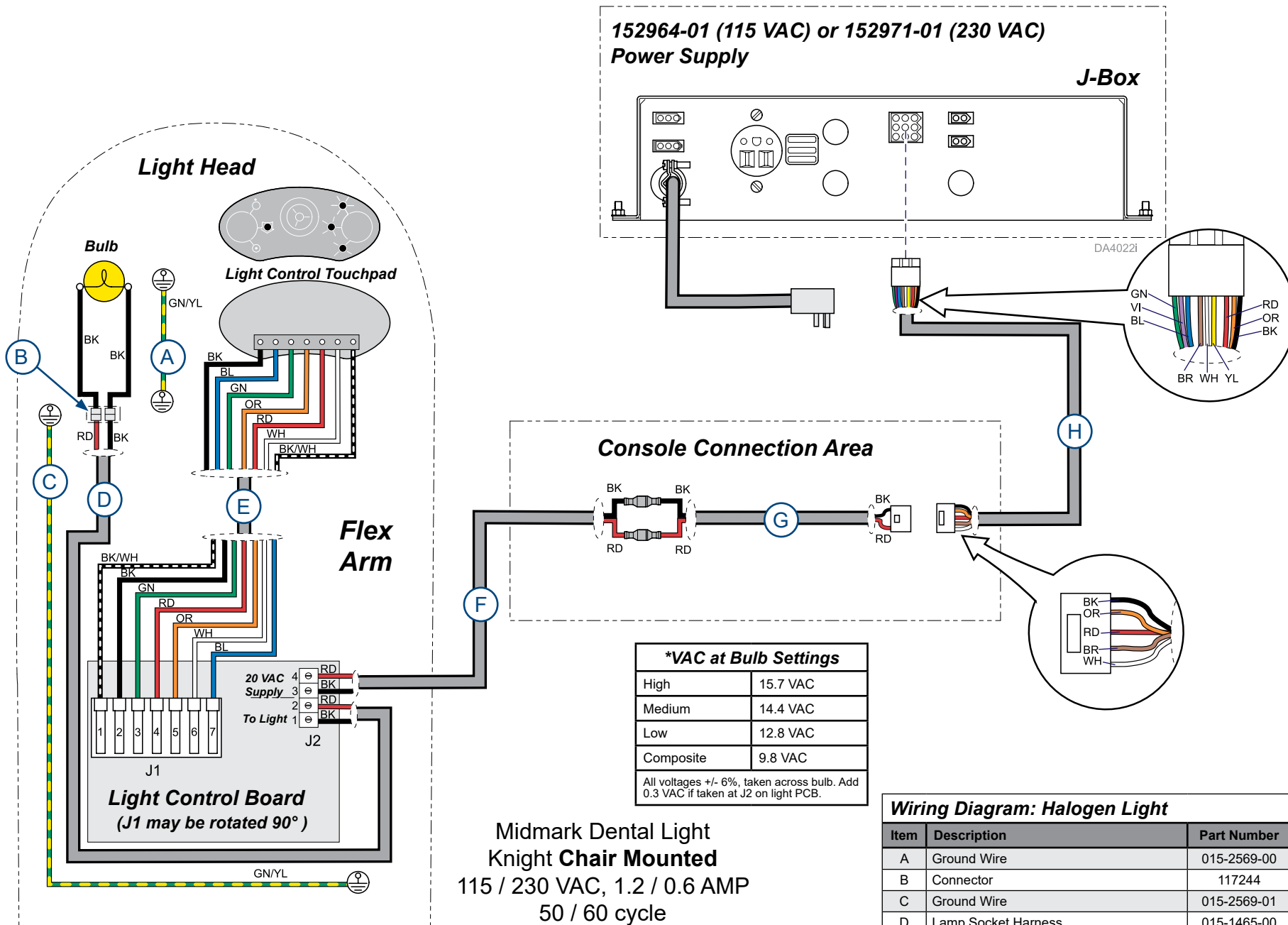




Midmark Dental Halogen Light Wiring Diagrams

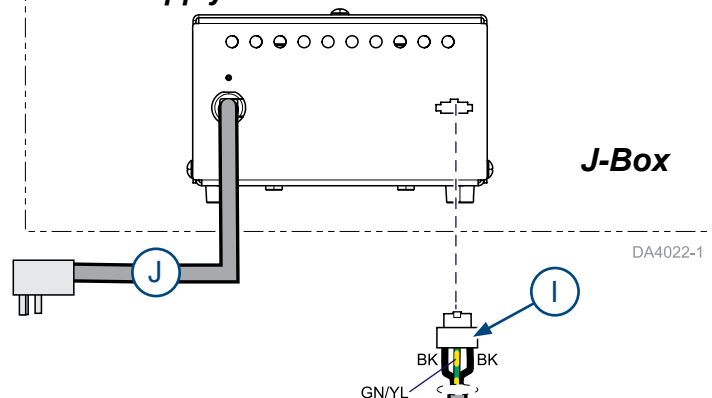


Mounting	Description	Model <i>* indicates multiple pages for serial number breaks</i>	Link:
<i>Knight Chair</i>	<i>Console Mounted</i>	153673*	<i>Knight Chair Console Mounted</i>
<i>Knight Chair</i>	<i>LR Mounted</i>	153584*	<i>Knight Chair LR Mounted</i>
<i>Ultra Chair</i>	<i>Console / LR Mounted</i>	153585 / 153771	<i>Ultra Chairs</i>
<i>Ultra Chair</i>	<i>Console / LR Mounted</i>	153914 & 153818	<i>Ultra Chairs</i>
<i>Elevance Chair</i>	<i>Console / LR Mounted</i>	153818	<i>Elevance Chair Mounted</i>
<i>Ceiling</i>		153637*	<i>Ceiling Mounted</i>
<i>Track</i>	<i>Light ONLY</i>	<i>Track / Trolley: 153656 Lighthead / Flex Arm: 153638</i>	<i>Track Mounted (Light ONLY)</i>
	<i>Light with Monitor</i>	<i>Track / Trolley: 153768* Monitor / Flex Arm: 153770* Lighthead / Flex Arm: 153638*</i>	<i>Track Mounted Light with Monitor</i>
<i>Wall / Cabinet</i>	<i>Wall Mounted</i>	153640 *	<i>Wall / Cabinet Mounted</i>
	<i>Cabinet Mounted</i>	153641*	
	<i>Lighthead / Flex Arm</i>	153638*	
<i>Universal</i>		153639*	<i>Universal Mounted</i>



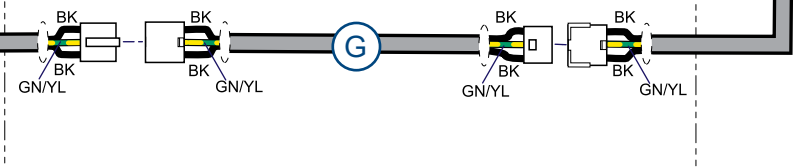
Page Applies To:	Model Numbers	Serial Numbers
Knight Chair Console Mounted Light	153673	All NW, RE and PV numbers V2200 thru V1467258

**153935-001 (115 VAC) or 153935-002 (230 VAC)
Power Supply**



DA4022-1

Console Connection Area

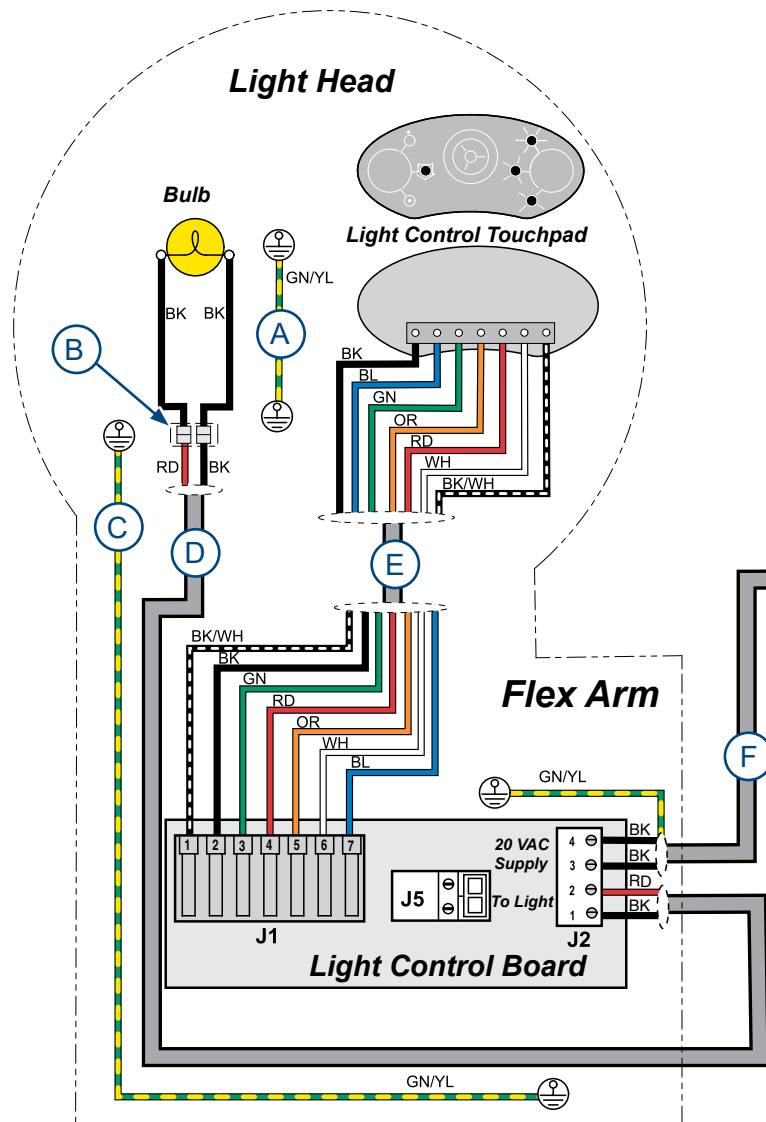


*VAC at Board	
High	14.5 - 19.5 VAC
Medium	13 - 18 VAC
Low	10.5 - 16 VAC
Composite	6 - 14 VAC

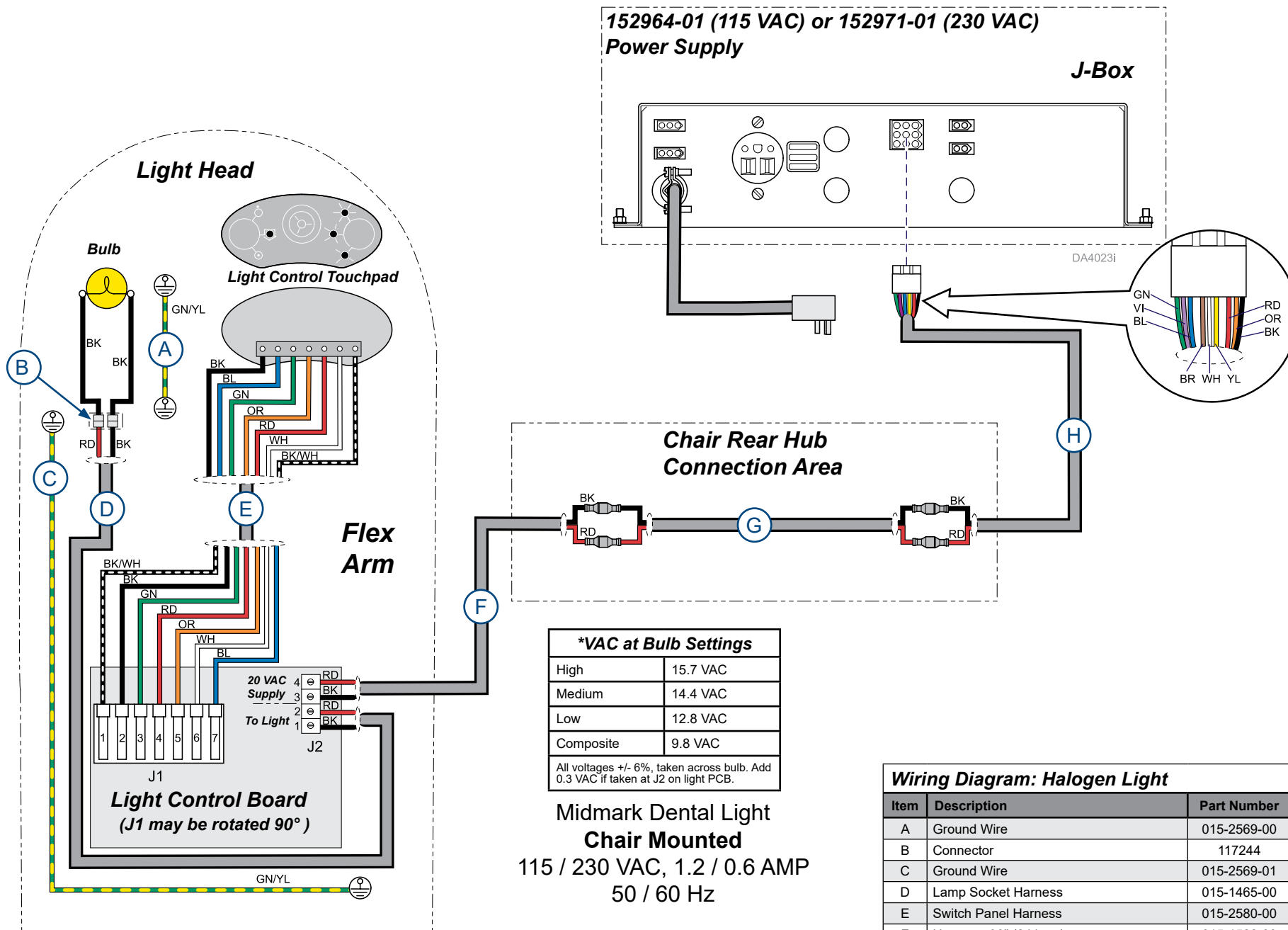
**Midmark Dental Light
Knight Chair Mounted**
115 / 230 VAC
1A / 2A
50 / 60 cycle

Wiring Diagram: Halogen Light

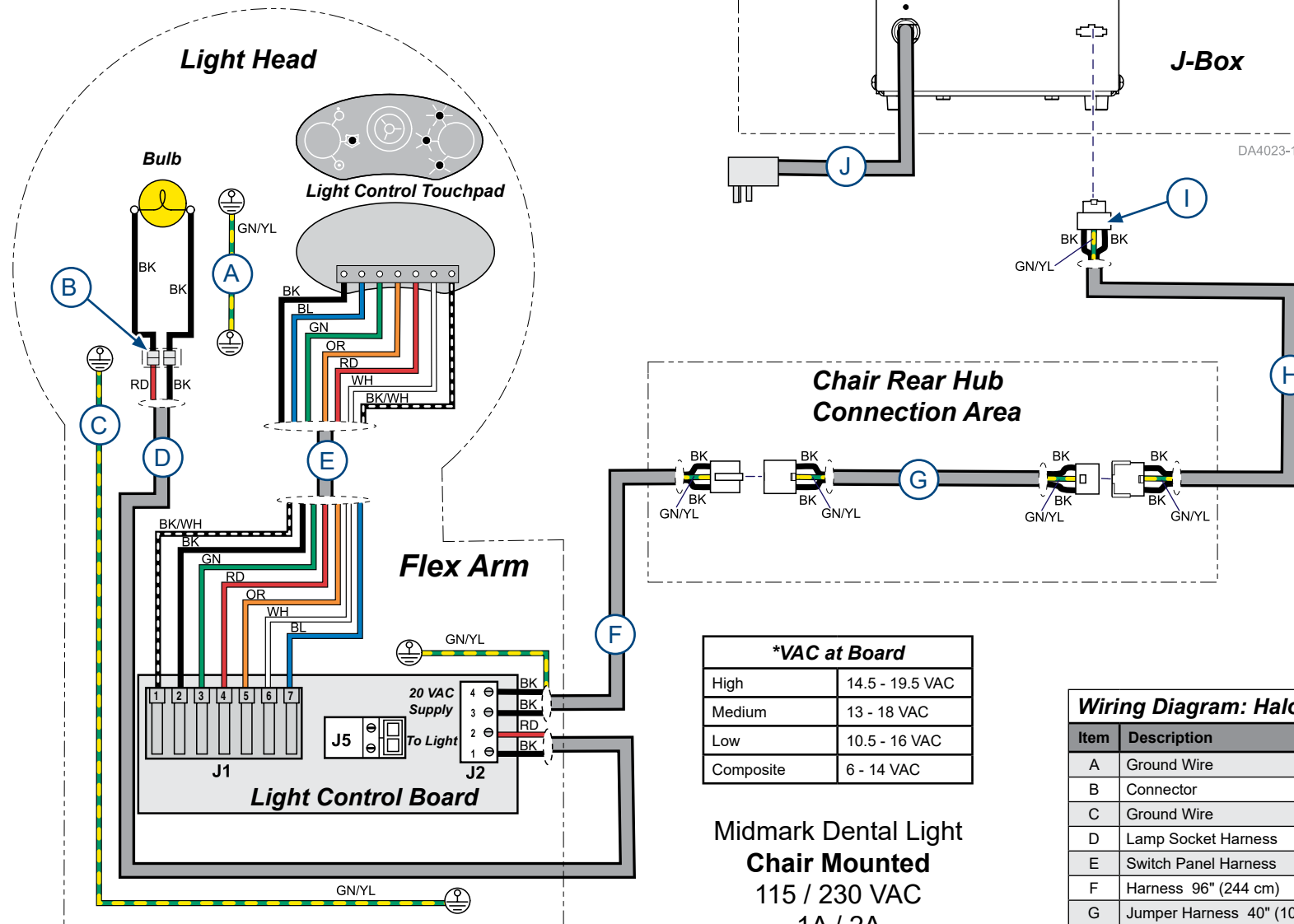
Item	Description	Part Number
A	Ground Wire	015-2569-00
B	Connector	117244
C	Ground Wire	015-2569-01
D	Lamp Socket Harness	015-1465-00
E	Switch Panel Harness	015-2580-00
F	Knight Flex Arm Light Harness	015-3247-00
G	Knight Fixed Arm Light Harness	015-3280-00
H	Knight Light Harness (to J-Box) Length 94" (239 cm)	015-3246-00
I	Three Wire Connector	015-2336-05
J	115 VAC Power Cord Assembly 230 VAC Power Cord Assembly	123108-01 015-1510-01



Page Applies To:	Model Numbers	Serial Numbers
Knight Chair Console Mounted Light	153937-002	V1467259 thru Present



Page Applies To:	Model Numbers	Serial Numbers
Knight Chair LR Mounted Light	153584	All NW, RE and PV number V2200 thru V1467258

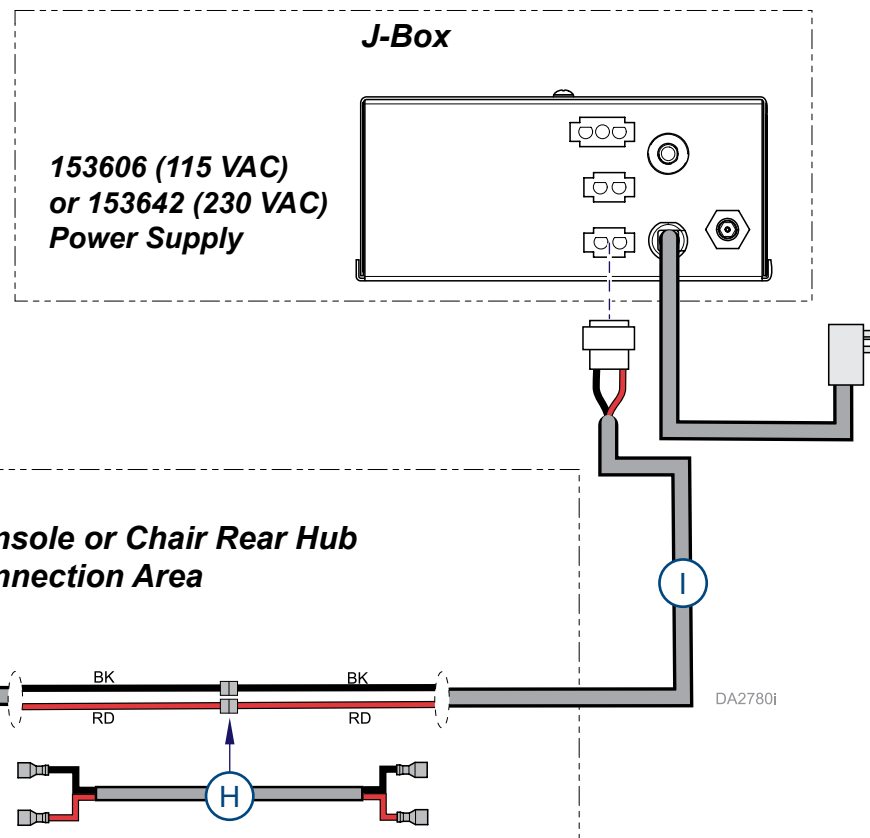
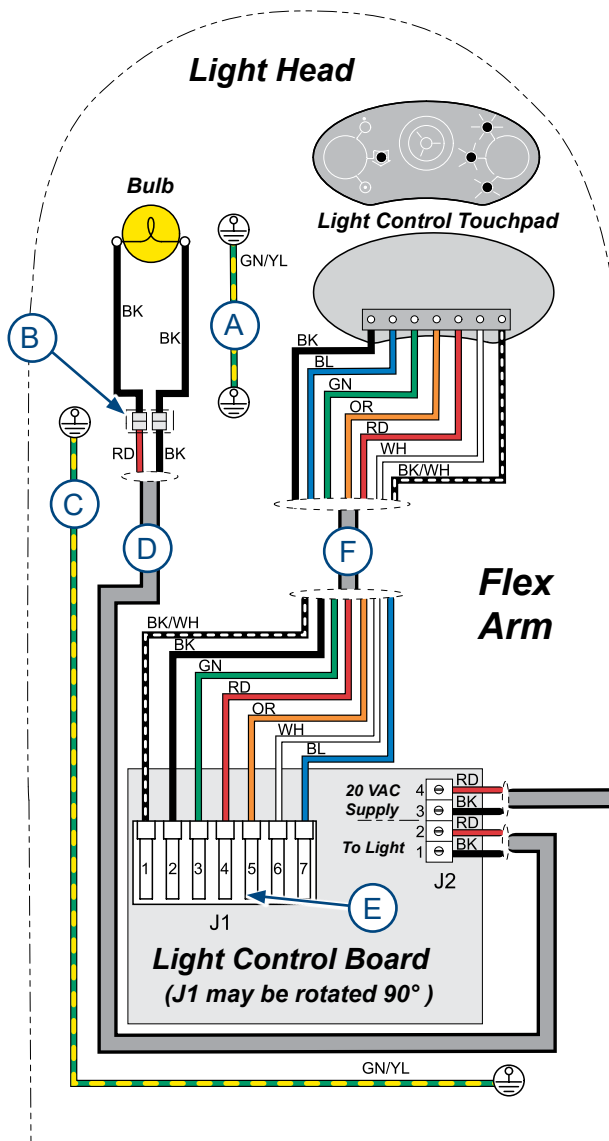


*VAC at Board	
High	14.5 - 19.5 VAC
Medium	13 - 18 VAC
Low	10.5 - 16 VAC
Composite	6 - 14 VAC

Midmark Dental Light
Chair Mounted
115 / 230 VAC
1A / 2A
50 / 60 Hz

Wiring Diagram: Halogen Light		
Item	Description	Part Number
A	Ground Wire	015-2569-00
B	Connector	117244
C	Ground Wire	015-2569-01
D	Lamp Socket Harness	015-1465-00
E	Switch Panel Harness	015-2580-00
F	Harness 96" (244 cm)	015-3247-00
G	Jumper Harness 40" (102 cm)	015-3280-00
H	Knight Light Harness (to J-Box) Length 94" (239 cm) Length 130" (330 cm)	015-3246-00 015-3246-01
I	Three Wire Connector	015-2336-05
J	115 VAC Power Cord Assembly 230 VAC Power Cord Assembly	123108-01 015-1510-01

Page Applies To:	Model Numbers	Serial Numbers
Knight Chair LR Mounted Light	153937-004	V1467259 thru Present



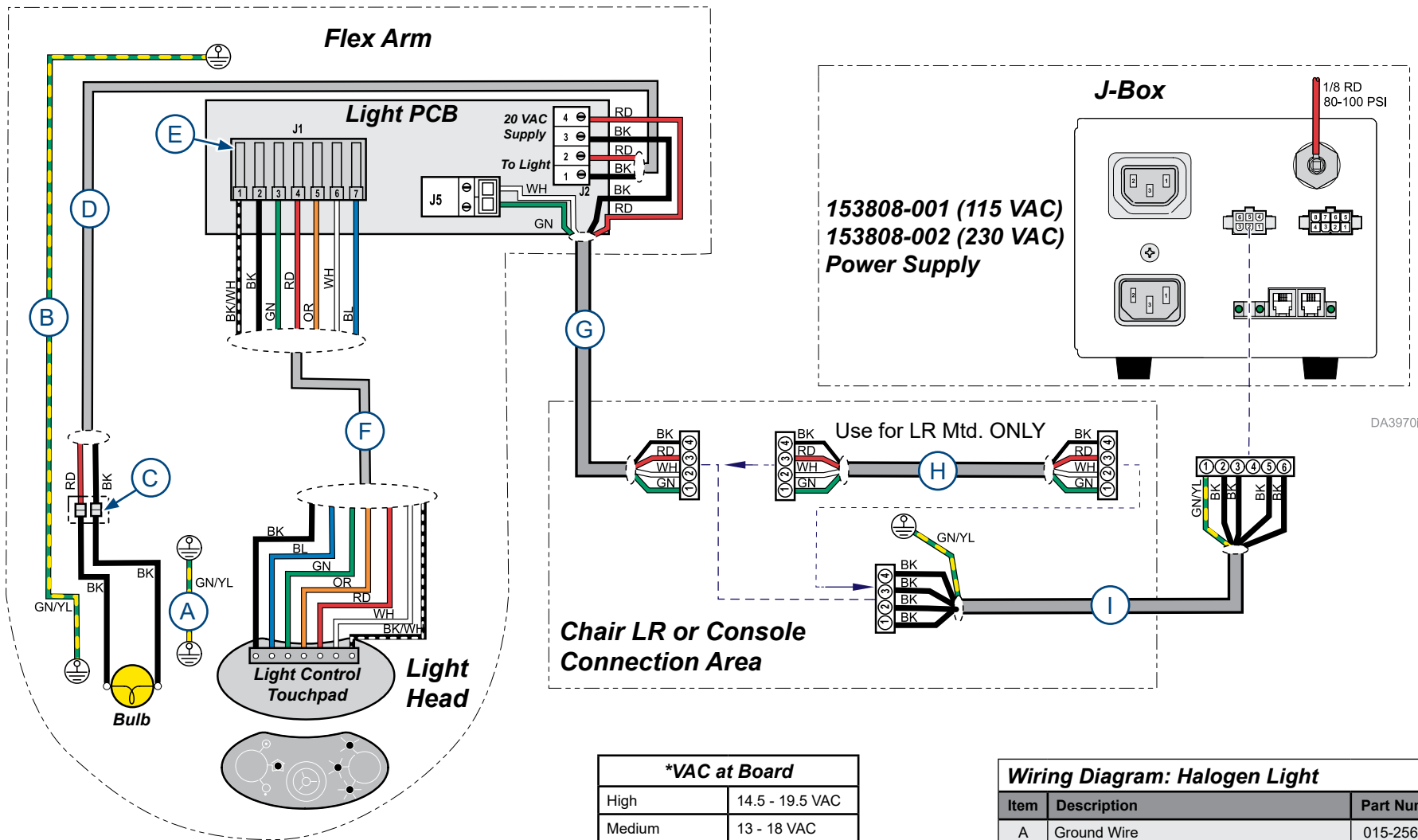
*VAC at Bulb Settings	
High	15.7 VAC
Medium	14.4 VAC
Low	12.8 VAC
Composite	9.8 VAC
All voltages +/- 6%, taken across bulb. Add 0.3 VAC if taken at J2 on light PCB.	

**Midmark Dental Light
Chair Mounted**
115 / 230 VAC, 1.2 / 0.6 AMP
50 / 60 cycle

Wiring Diagram: Halogen Light

Item	Description	Part Number
A	Ground Wire	015-2569-00
B	Connector	117244
C	Ground Wire	015-2569-01
D	Lamp Socket Harness	015-1465-00
E	Connector	015-1324-04
F	Switch Panel Harness	015-2580-00
G	Console & LR Harness 96" (244 cm)	015-1522-00
H	LR <i>ONLY</i> Jumper Harness 40" (102 cm)	015-1484-00
I	Light Harness (J-Box to Unit)	015-1468-00

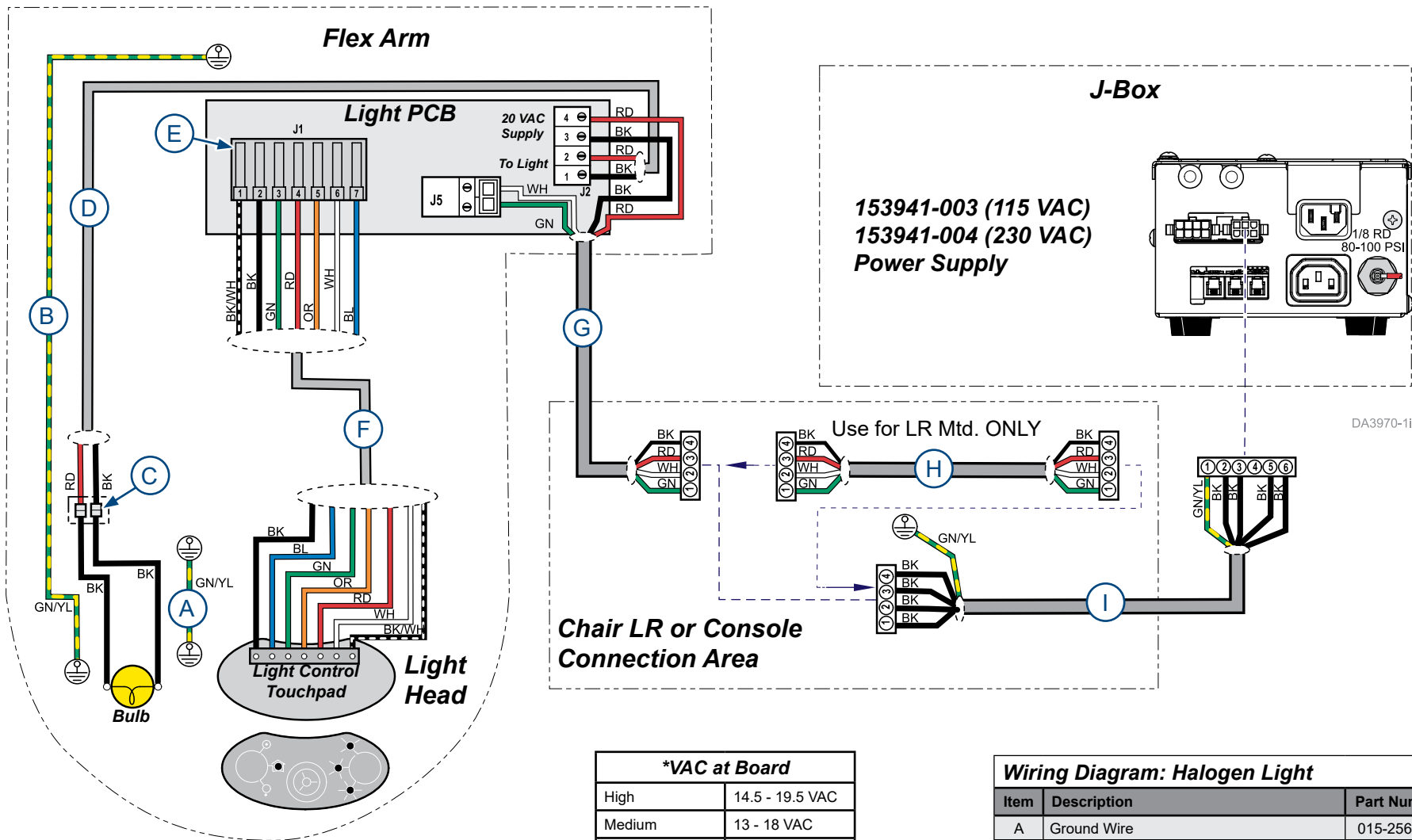
Page Applies To:	Model Numbers	Serial Numbers
Ultra Chair Mounted Lights	153585 / 153771	All NW, RE and PV numbers V2200 thru V1315736



*VAC at Board	
High	14.5 - 19.5 VAC
Medium	13 - 18 VAC
Low	10.5 - 16 VAC
Composite	6 - 14 VAC

Wiring Diagram: Halogen Light		
Item	Description	Part Number
A	Ground Wire	015-2569-00
B	Ground Wire	015-2569-01
C	Connector	117244
D	Lamp Socket to PCB Harness	015-1465-00
E	Connector	015-1324-04
F	Switch Panel Harness	015-2580-00
G	Light Power/LIN Harness	015-2346-00
H	Use for LR Mtd. Lights ONLY Light Power/LIN Harness Jumper	015-2344-00
I	Light Power/LIN Harness	
	a) LR Mounted 9.5 ft. (2.9 m)	015-2329-00
	b) Console Mounted 12 ft. (3.7 m)	015-2329-01
	c) LR Mounted 13.5 ft. (4.1 m)	015-2329-02
	d) Console Mounted 16 ft. (4.9 m)	015-2329-03

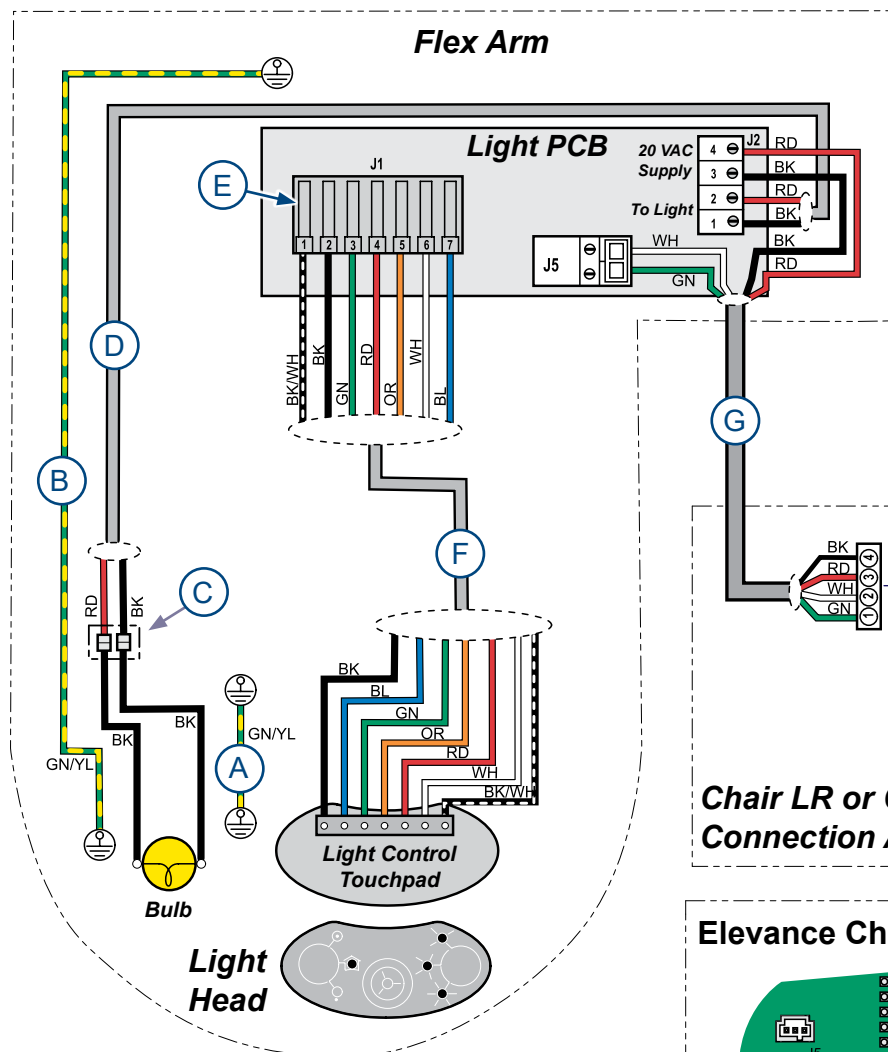
Page Applies To:	Model Numbers	Serial Numbers
Ultra Chair Mounted Lights	153914 & 153818	V1315737 thru V1765598



*VAC at Board	
High	14.5 - 19.5 VAC
Medium	13 - 18 VAC
Low	10.5 - 16 VAC
Composite	6 - 14 VAC

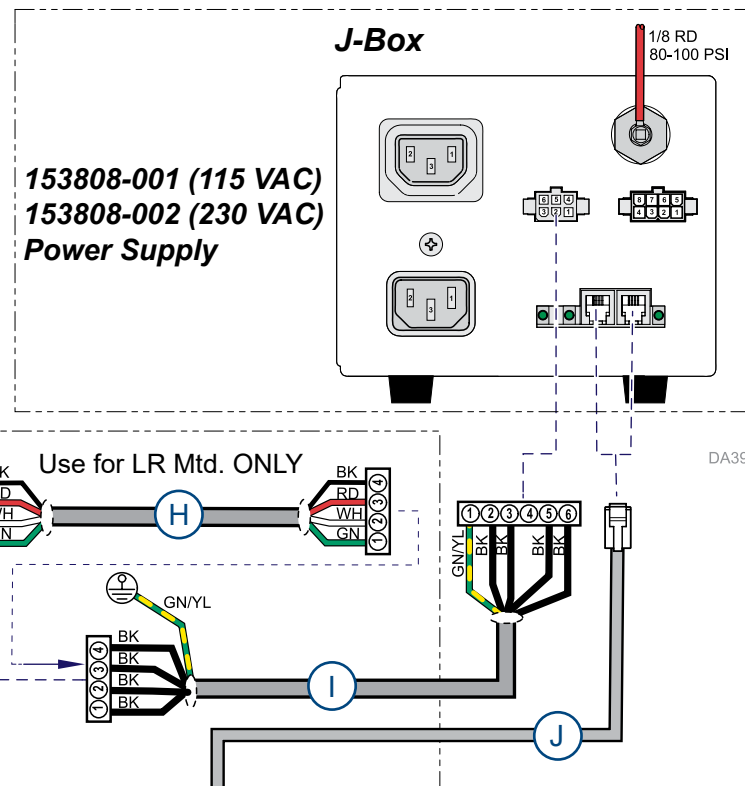
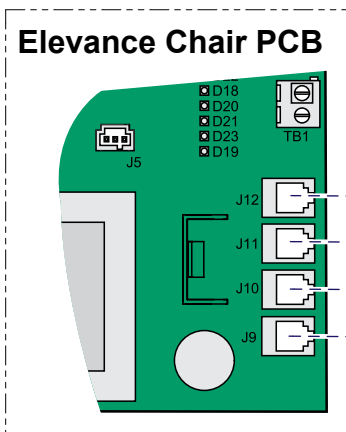
Wiring Diagram: Halogen Light		
Item	Description	Part Number
A	Ground Wire	015-2569-00
B	Ground Wire	015-2569-01
C	Connector	117244
D	Lamp Socket to PCB Harness	015-1465-00
E	Connector	015-1324-04
F	Switch Panel Harness	015-2580-00
G	Light Power/LIN Harness	015-2346-00
H	Use for LR Mtd. Lights ONLY Light Power/LIN Harness Jumper	015-2344-00
I	Light Power/LIN Harness	
	a) LR Mounted 9.5 ft. (2.9 m)	015-2329-00
	b) Console Mounted 12 ft. (3.7 m)	015-2329-01
	c) LR Mounted 13.5 ft. (4.1 m)	015-2329-02
	d) Console Mounted 16 ft. (4.9 m)	015-2329-03

Page Applies To:	Model Numbers	Serial Numbers
Ultra Chair Mounted Lights	153914 & 153818	V1765599 thru Present



*VAC at Board	
High	14.5 - 19.5 VAC
Medium	13 - 18 VAC
Low	10.5 - 16 VAC
Composite	6 - 14 VAC

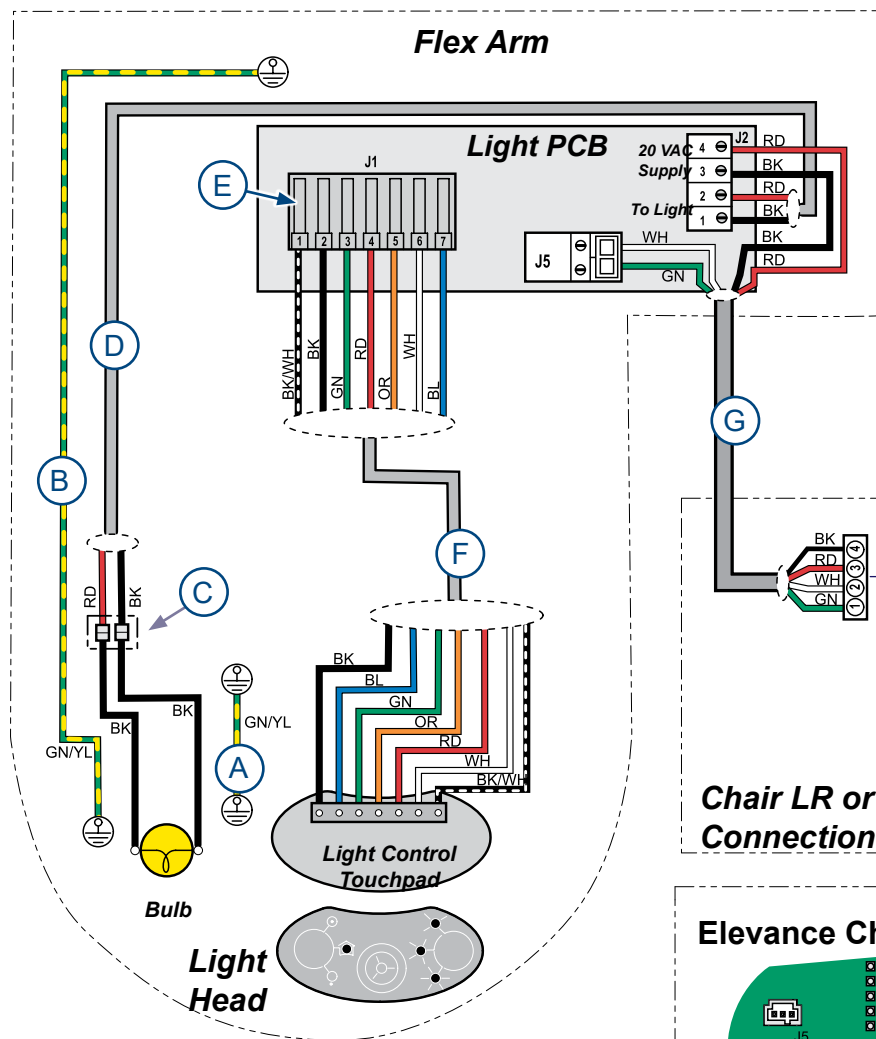
Chair LR or Console Connection Area



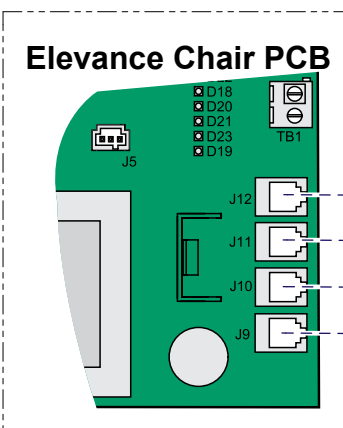
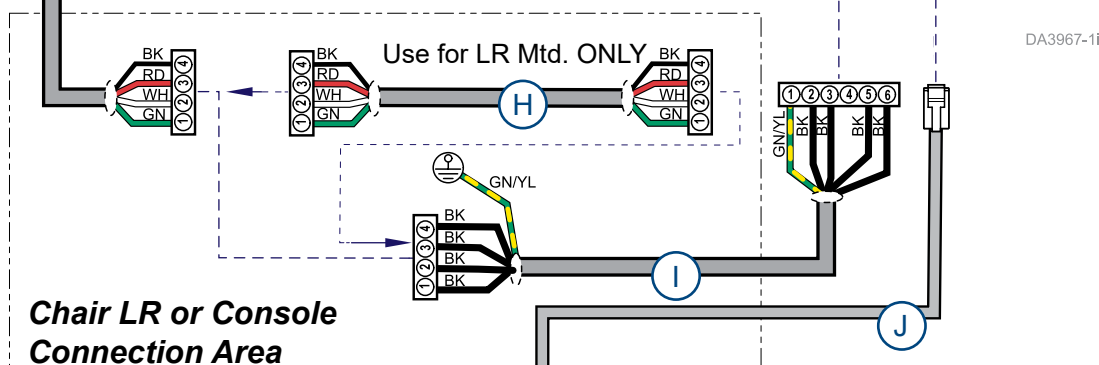
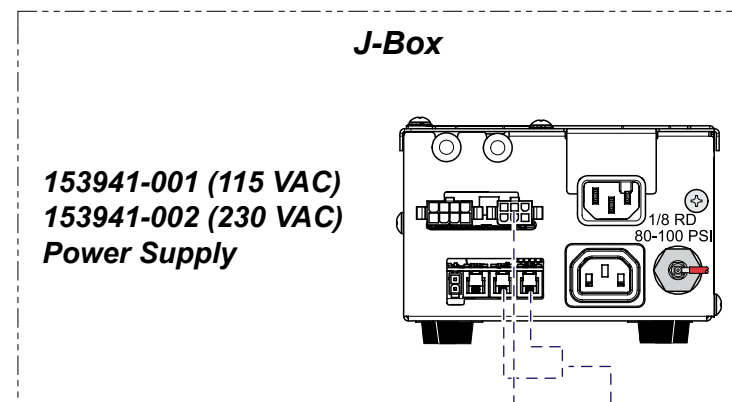
Wiring Diagram: Halogen Light

Item	Description	Part Number
A	Ground Wire	015-2569-00
B	Ground Wire	015-2569-01
C	Connector	117244
D	Lamp Socket to PCB Harness	015-1465-00
E	Connector	015-1324-04
F	Switch Panel Harness	015-2580-00
G	Light Power/LIN Harness	015-2346-00
H	Use for LR Mtd. Lights ONLY Light Power/LIN Harness Jumper	015-2344-00
I	Light Power/LIN Harness	
	a) LR Mounted 9.5 ft. (2.9 m)	015-2329-00
	b) Console Mounted 12 ft. (3.7 m)	015-2329-01
	c) LR Mounted 13.5 ft. (4.1 m)	015-2329-02
J	d) Console Mounted 16 ft. (4.9 m)	015-2329-03
	Chair to Power Supply LIN Harness Length: 72" (183 cm) Length: 120" (305 cm)	015-2149-01 015-2149-03

Page Applies To:	Model Numbers	Serial Numbers
Elevance Chair Mounted Lights	153818	V2200 Thru V1765598



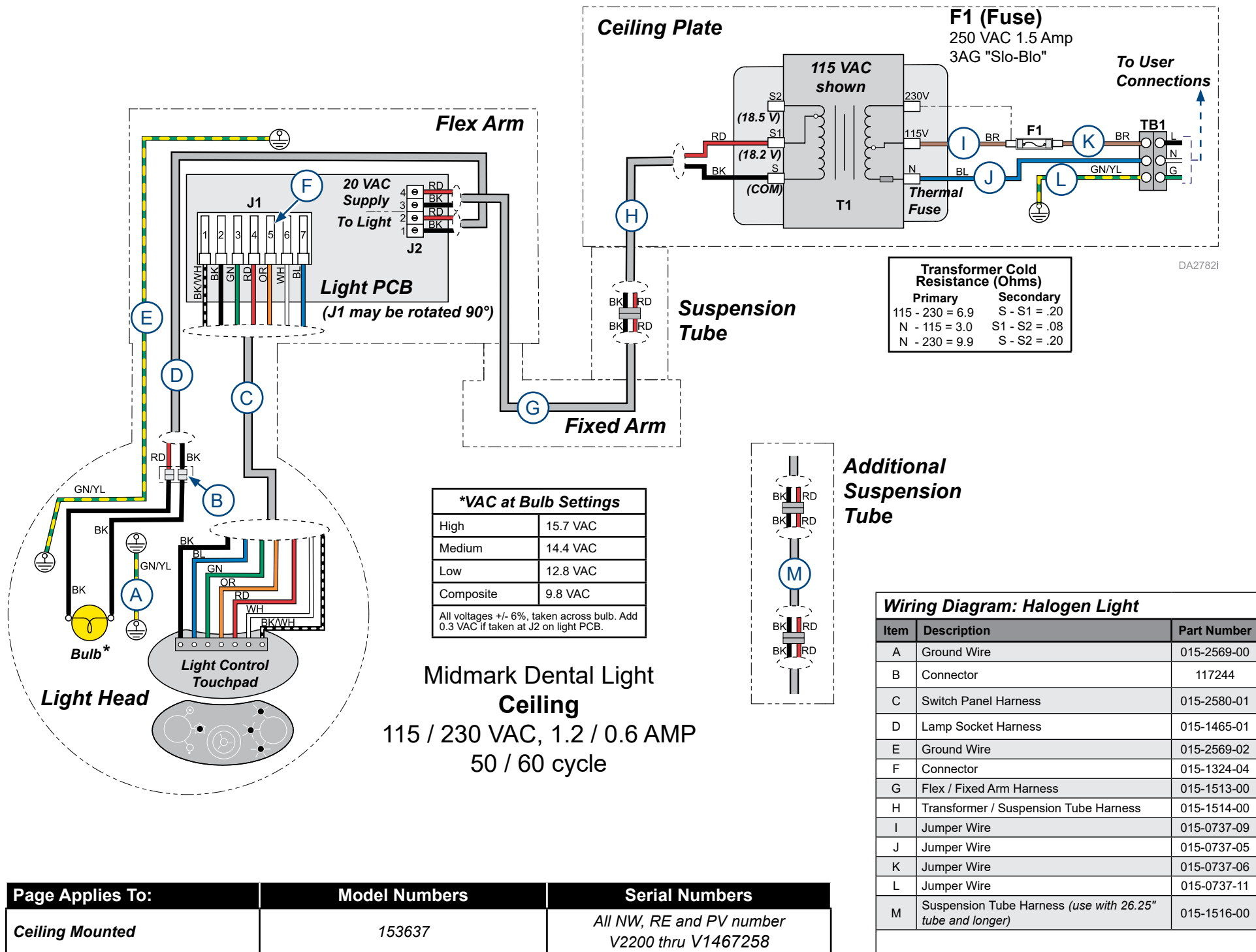
*VAC at Board	
High	14.5 - 19.5 VAC
Medium	13 - 18 VAC
Low	10.5 - 16 VAC
Composite	6 - 14 VAC



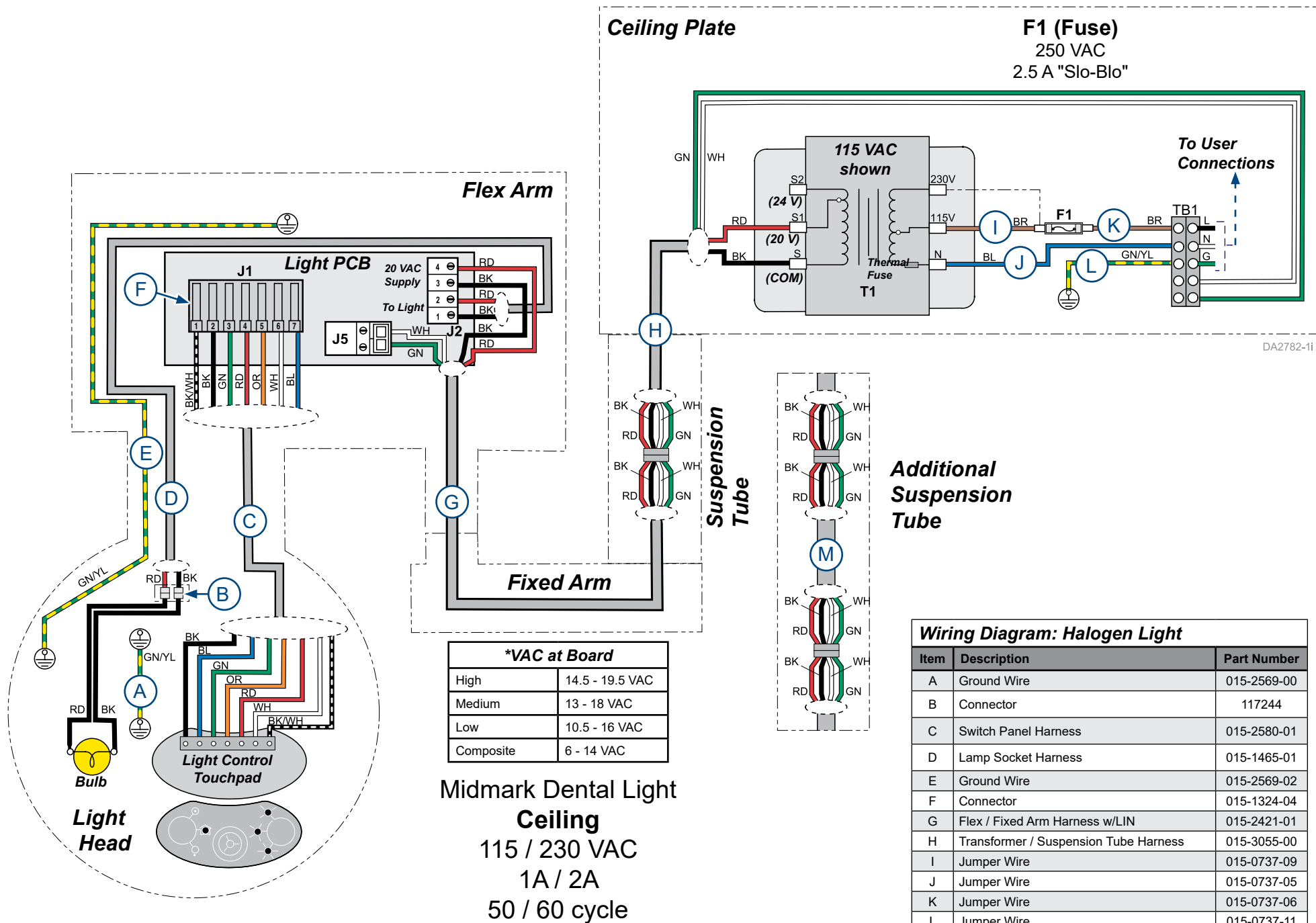
Wiring Diagram: Halogen Light

Item	Description	Part Number
A	Ground Wire	015-2569-00
B	Ground Wire	015-2569-01
C	Connector	117244
D	Lamp Socket to PCB Harness	015-1465-00
E	Connector	015-1324-04
F	Switch Panel Harness	015-2580-00
G	Light Power/LIN Harness	015-2346-00
H	Use for LR Mtd. Lights ONLY Light Power/LIN Harness Jumper	015-2344-00
I	Light Power/LIN Harness	
	a) LR Mounted 9.5 ft. (2.9 m)	015-2329-00
	b) Console Mounted 12 ft. (3.7 m)	015-2329-01
	c) LR Mounted 13.5 ft. (4.1 m)	015-2329-02
J	d) Console Mounted 16 ft. (4.9 m)	015-2329-03
	Chair to Power Supply LIN Harness Length: 72" (183 cm) Length: 120" (305 cm)	015-2149-01 015-2149-03

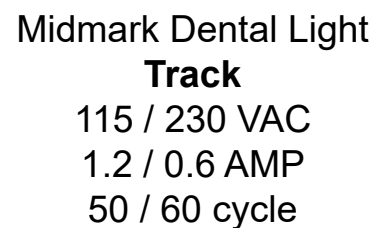
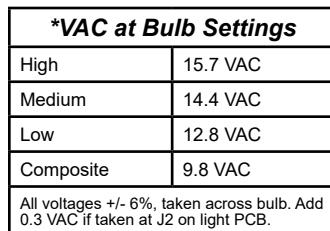
Page Applies To:	Model Numbers	Serial Numbers
Elevance Chair Mounted Lights	153818	V1765599 Thru Present



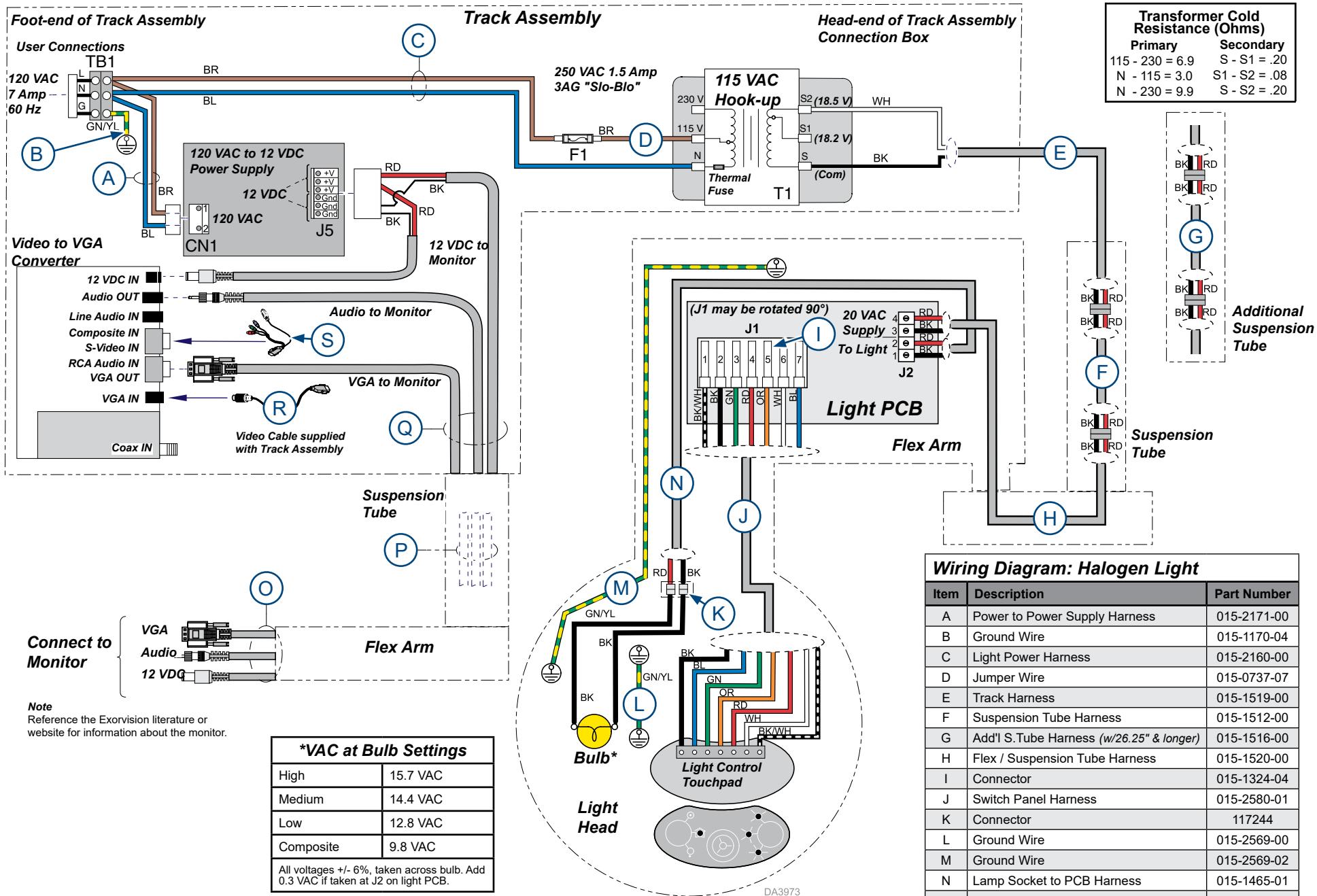
Page Applies To:	Model Numbers	Serial Numbers
Ceiling Mounted	153637	All NW, RE and PV number V2200 thru V1467258



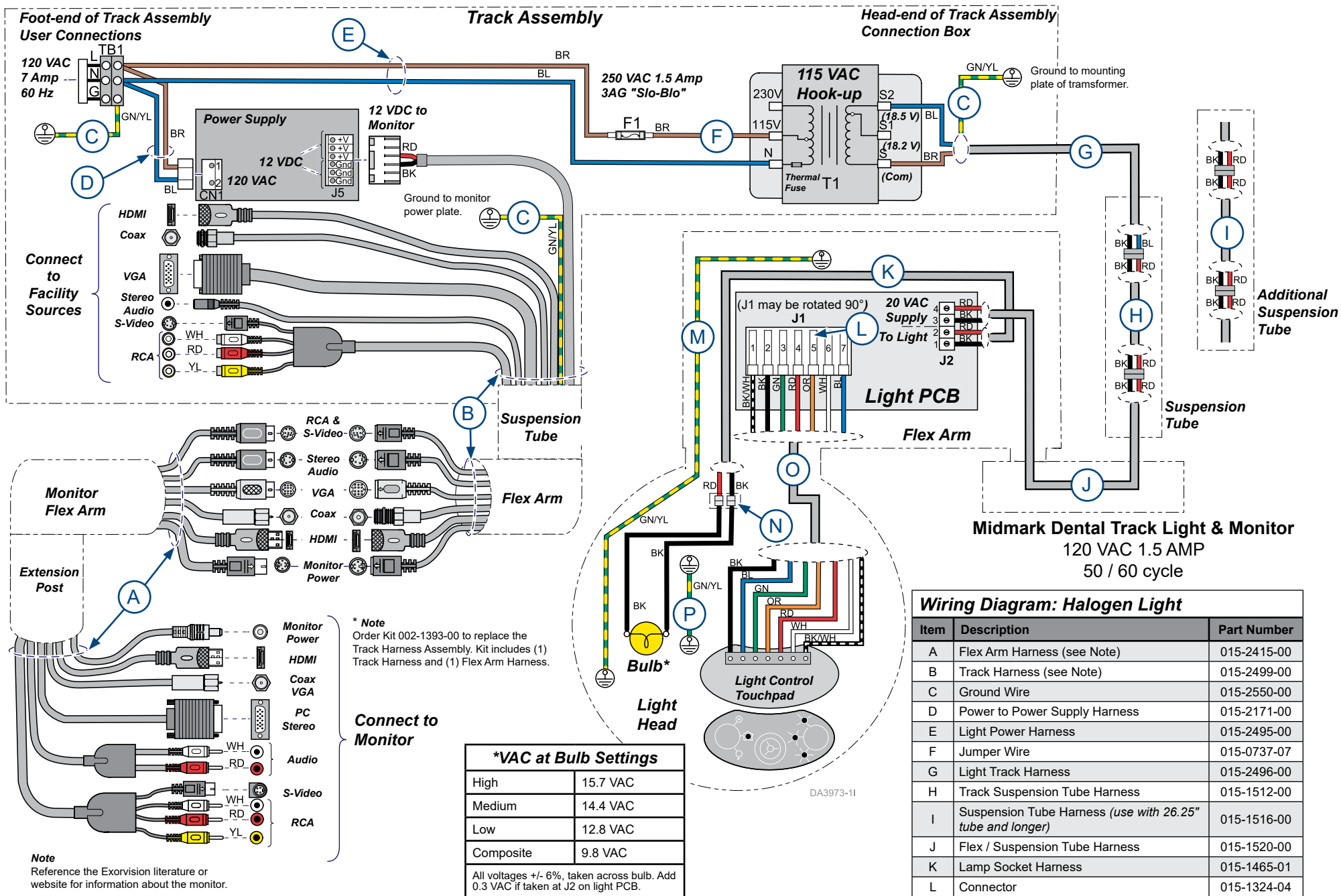
Page Applies To:	Model Numbers	Serial Numbers
Ceiling Mounted	153637	V1467259 to Present



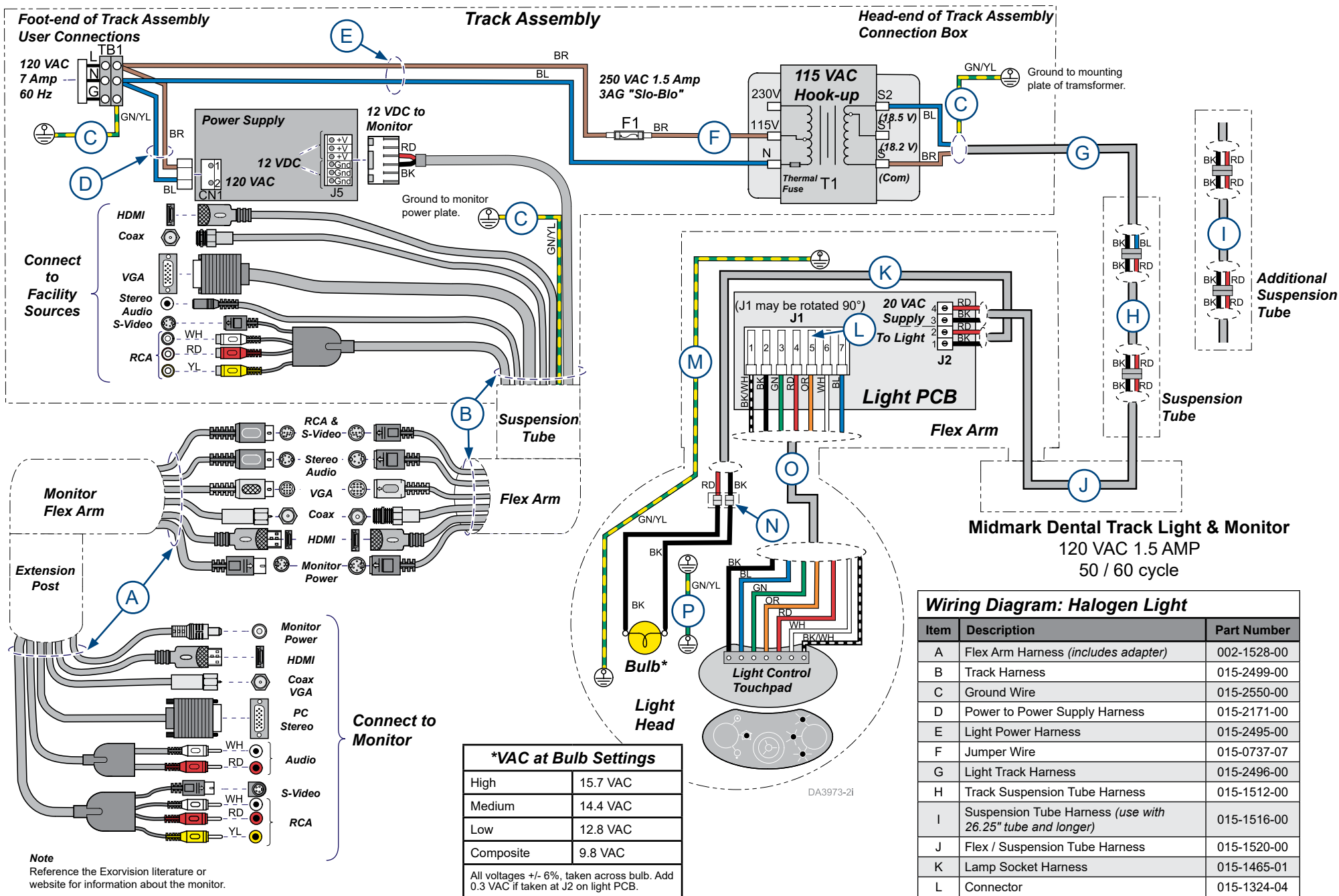
Page Applies To:	Model Numbers	Serial Numbers
Track Mounted (Light ONLY)	Track / Trolley: 153656 Lighthouse / Flex Arm: 153638	All



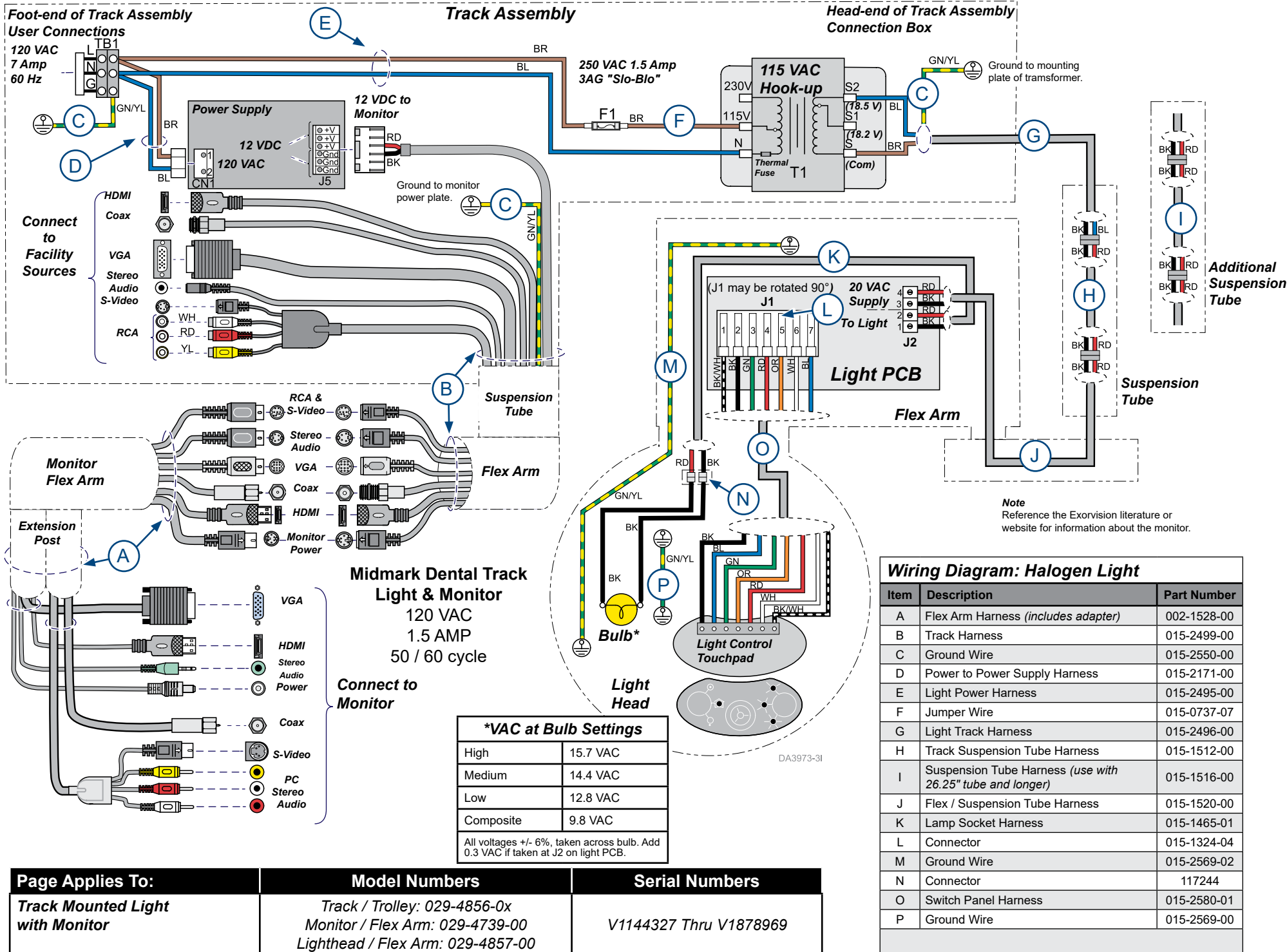
Page Applies To:	Model Numbers	Serial Numbers
Track Mounted Light with Monitor	Track / Trolley: 153768 Monitor / Flex Arm: 153770 Lighthouse / Flex Arm: 153638	All NW, RE and PV numbers V2200 thru V729364



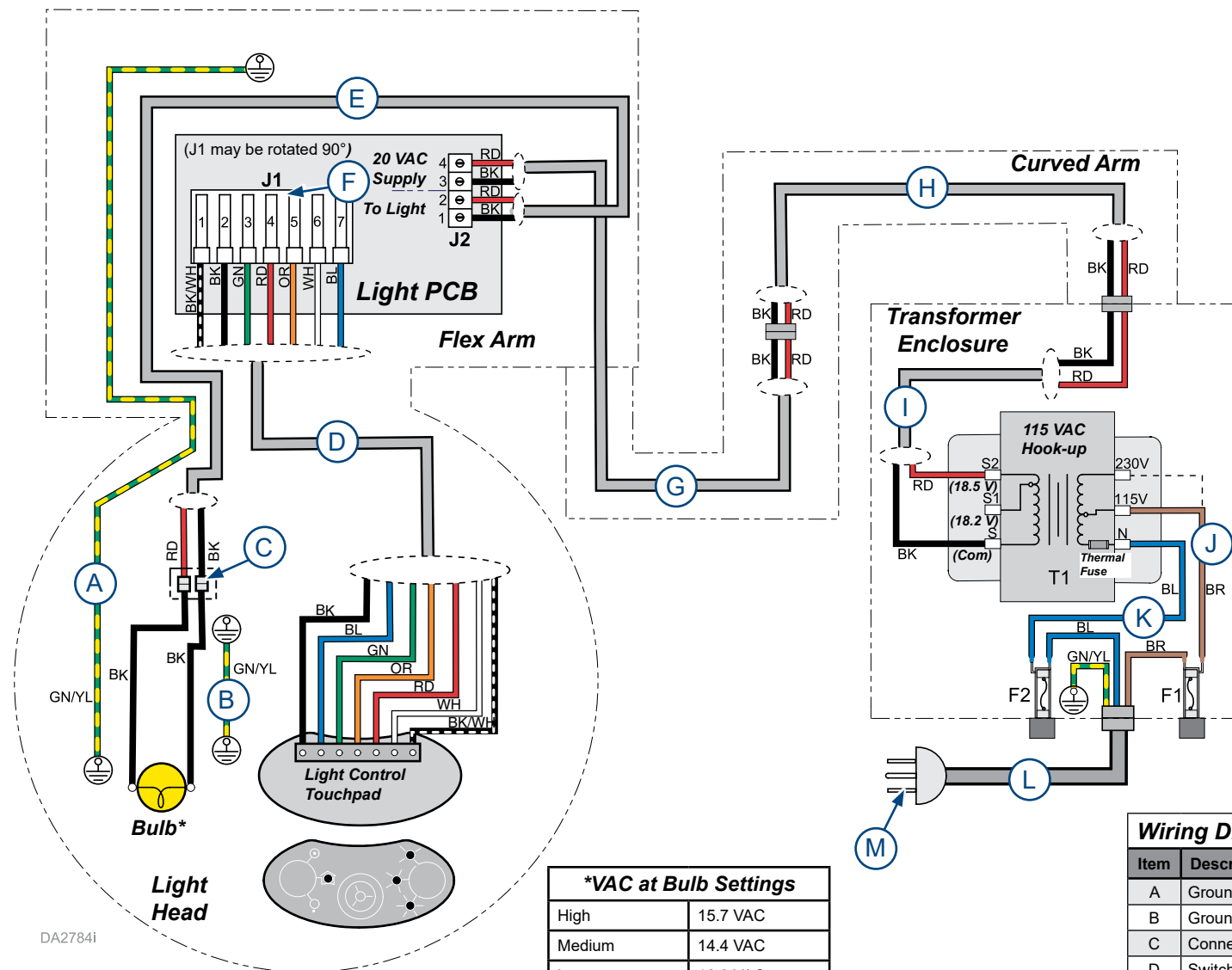
Page Applies To:	Model Numbers	Serial Numbers
Track Mounted Light with Monitor	Track / Trolley: 029-4856-0x Monitor / Flex Arm: 029-4739-00 Lighthouse / Flex Arm: 029-4857-00	V761693 thru V946211



Page Applies To:	Model Numbers	Serial Numbers
Track Mounted Light with Monitor	Track / Trolley: 029-4856-0x Monitor / Flex Arm: 029-4739-00 Lighthead / Flex Arm: 029-4857-00	V946212 Thru V1144326



Midmark Dental Light
Wall / Cabinet Mount
 115 / 230 VAC
 1.2 / 0.6 AMP
 50 / 60 cycle



Transformer Cold Resistance (Ohms)	
Primary	Secondary
115 - 230 = 6.9	S - S1 = .20
N - 115 = 3.0	S1 - S2 = .08
N - 230 = 9.9	S - S2 = .20

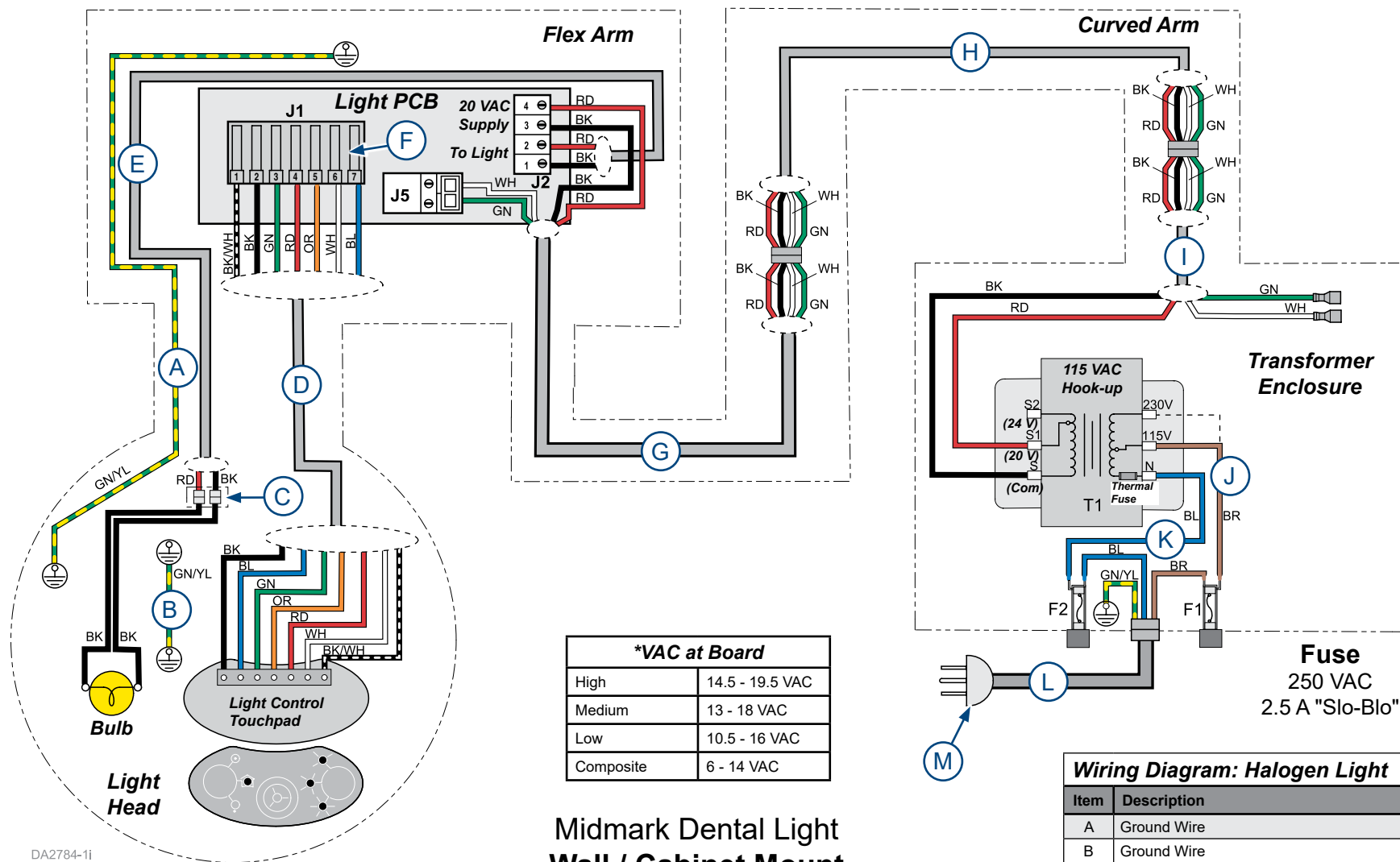
Fuse
 250 VAC 1.5 Amp
 3AG "Slo-Blo"

*VAC at Bulb Settings	
High	15.7 VAC
Medium	14.4 VAC
Low	12.8 VAC
Composite	9.8 VAC
All voltages +/- 6%, taken across bulb. Add 0.3 VAC if taken at J2 on light PCB.	

Wiring Diagram: Halogen Light

Item	Description	Part Number
A	Ground Wire	015-2569-02
B	Ground Wire	015-2569-00
C	Connector	117244
D	Switch Panel Harness	015-2580-01
E	Lamp Socket Harness	015-1465-01
F	Connector	015-1324-04
G	Flex/Suspension Tube Harness	015-1520-00
H	Wall Mount Tube Harness	015-1523-00
I	Transformer Harness	015-1518-00
J	Jumper Wire	015-0737-07
K	Jumper Wire	015-0737-08
L	Power Cord	015-1510-04
M	Plug	122618

Page Applies To:	Model Numbers	Serial Numbers
Wall / Cabinet Mounted	Wall Mount: 153640 Cabinet Mount: 153641 Lighthead / Flex Arm: 153638	All NW, RE and PV numbers V2200 thru V1467258

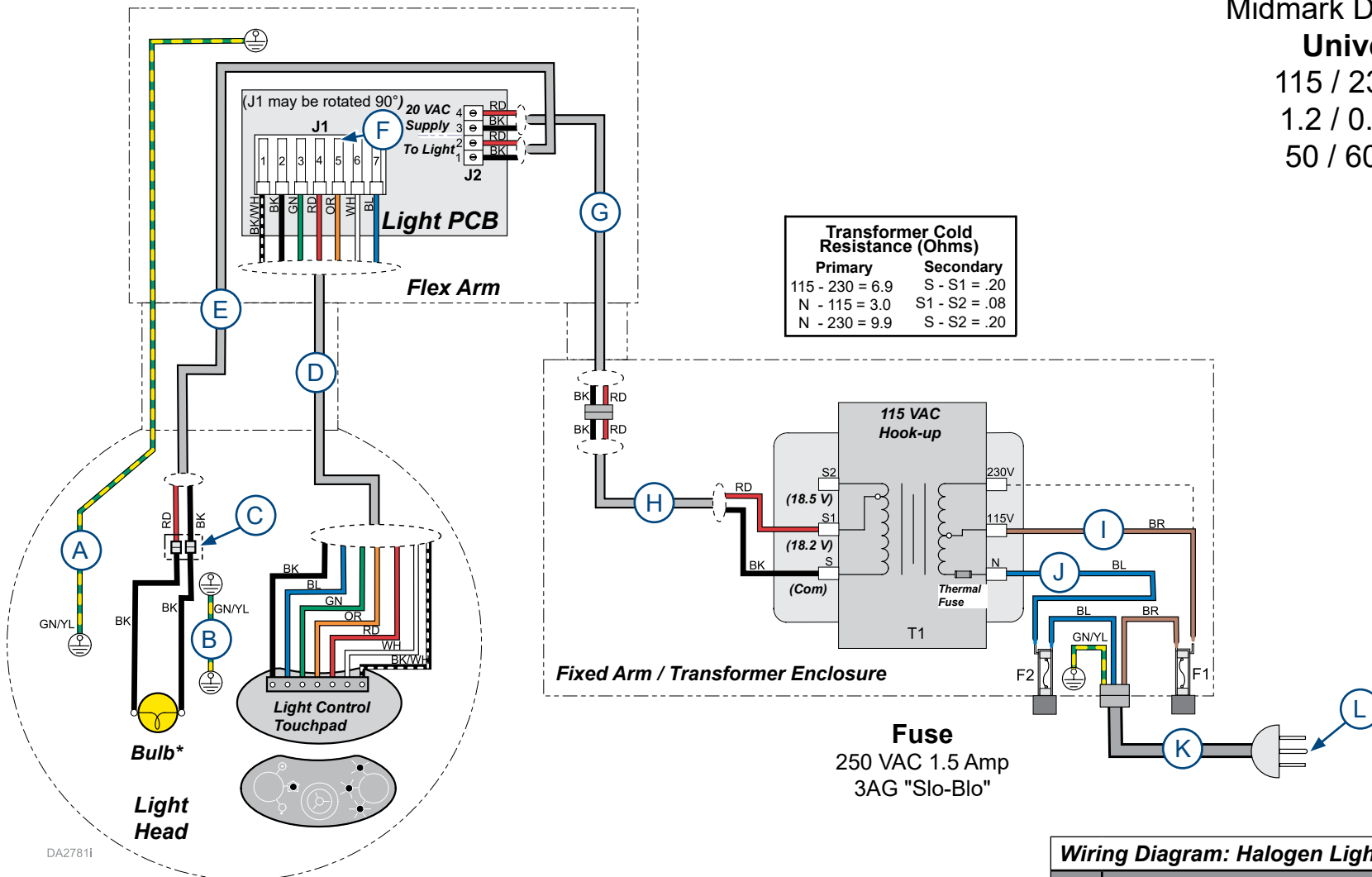


**Midmark Dental Light
Wall / Cabinet Mount**
115 / 230 VAC
1A / 2A
50 / 60 cycle

Page Applies To:	Model Numbers	Serial Numbers
Wall / Cabinet Mounted	Wall Mount: 153640 Cabinet Mount: 153641 Lighthead / Flex Arm: 153939	V1467259 thru Present

Wiring Diagram: Halogen Light		
Item	Description	Part Number
A	Ground Wire	015-2569-02
B	Ground Wire	015-2569-00
C	Connector	117244
D	Switch Panel Harness	015-2580-01
E	Lamp Socket Harness	015-1465-01
F	Connector	015-1324-01
G	Flex / Arm Harness with LIN	015-2421-00
H	Curved Arm Harness with LIN	015-3052-00
I	Arm / Transformer Harness	015-3054-00
J	Jumper Wire	015-0737-07
K	Jumper Wire	015-0737-08
L	Power Cord	015-1510-04
M	Plug	122618

Midmark Dental Light
Universal
 115 / 230 VAC
 1.2 / 0.6 AMP
 50 / 60 cycle

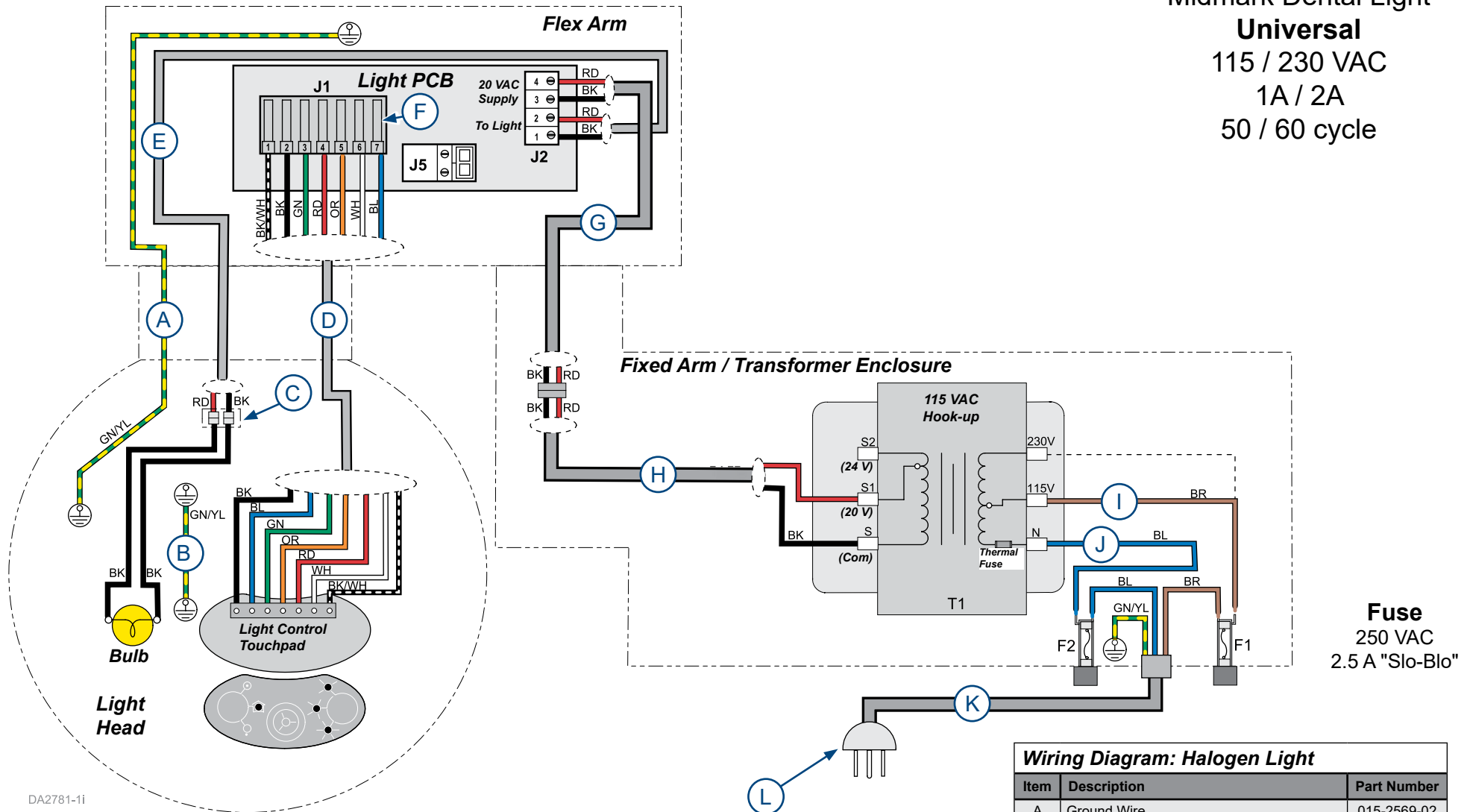


*VAC at Bulb Settings	
High	15.7 VAC
Medium	14.4 VAC
Low	12.8 VAC
Composite	9.8 VAC
All voltages +/- 6%, taken across bulb. Add 0.3 VAC if taken at J2 on light PCB.	

Wiring Diagram: Halogen Light		
Item	Description	Part Number
A	Ground Wire	015-2569-02
B	Ground Wire	015-2569-00
C	Connector	117244
D	Switch Panel Harness	015-2580-00
E	Lamp Socket Harness	015-1465-00
F	Connector	015-1324-04
G	Flex Arm Harness	015-1521-00
H	Universal Flex Arm Harness	015-1517-00
I	Jumper Wire	015-0737-07
J	Jumper Wire	015-0737-08
K	Power Cord Assembly (less plug)	015-1510-03
L	Plug	122618

Page Applies To:	Model Numbers	Serial Numbers
Universal Mounted	153639	All NW, RE and PV numbers V2200 thru V1467258

Midmark Dental Light
Universal
 115 / 230 VAC
 1A / 2A
 50 / 60 cycle



Fuse
 250 VAC
 2.5 A "Slo-Blo"

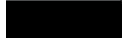
*VAC at Board	
High	14.5 - 19.5 VAC
Medium	13 - 18 VAC
Low	10.5 - 16 VAC
Composite	6 - 14 VAC

Wiring Diagram: Halogen Light

Item	Description	Part Number
A	Ground Wire	015-2569-02
B	Ground Wire	015-2569-00
C	Connector	117244
D	Switch Panel Harness	015-2580-00
E	Lamp Socket Harness	015-1465-00
F	Connector	015-1324-04
G	Flex / Fixed Arm Harness	015-1521-00
H	Fixed Arm / Transformer Harness	015-1517-00
I	Jumper Wire	015-0737-07
J	Jumper Wire	015-0737-08
K	Power Cord Assembly (less plug)	015-1510-03
L	Plug	122618

Page Applies To:	Model Numbers	Serial Numbers
Universal Mounted	153639	V1467259 thru Present

Color Abbreviation Chart

	Item	Color (English)	Farbe (Deutsch)	Couleur (Français - Europe)	Color (español europeo)	Colore (italiano)	Color (others)
	BK	Black	Schwarz	Noir	Negro	Nero	
	BL	Blue	Blau	Bleu	Azul	Blu	
	BR	Brown	Braun	Marron	Marrón	Marrone	
	CL	Clear	Durchsichtig	Incolore	Transparente	Trasparente	
	GN	Green	Grün	Vert	Verde	Verde	
	GY	Grey	Grau	Gris	Gris	Grigio	
	OR	Orange	Orange	Orange	Naranja	Arancione	
	PR	Purple	Purpur	Pourpre	Morado	Porpora	
	CL/PR	Clear Purple	Durchsichtig Purpur	Incolore Pourpre	Transparente Morado	Trasparente Porpora	
	RD	Red	Rot	Rouge	Rojo	Rosso	
	WH	White	Weiß	Blanc	Blanco	Bianco	
	YL	Yellow	Gelb	Jaune	Amarillo	Giallo	
	PK	Pink	Pink	Rose	Rosa	Rosa	
	TN	Tan	Hellbraun	Fauve	Marrón claro	Tanè (marrone scuro)	
	BK/WH	Black/White	Schwarz / Weiß	Noir / Blanc	Negro / Blanco	Bianco / Nero	
	BL/WH	Blue/White	Blau / Weiß	Bleu / Blanc	Azul / Blanco	Blu / Bianco	
	BR/WH	Brown/White	Braun / Weiß	Marron / Blanc	Marrón / Blanco	Marrone / Bianco	
	CL/BK	Clear / Black	Durchsichtig / Schwarz	Incolore / Noir	Transparente / Negro	Trasparente / Nero	
	GN/WH	Green / White	Grün / Weiß	Vert / Blanc	Verde / Blanco	Verde / Bianco	
	GN/YL	Green / Yellow	Grün / Gelb	Vert / Jaune	Verde / Amarillo	Verde / Giallo	
	OR/WH	Orange / White	Orange / Weiß	Orange / Blanc	Naranja / Blanco	Arancione / Bianco	
	PR/WH	Purple / White	Purpur / Weiß	Pourpre / Blanc	Morado / Blanco	Porpora / Bianco	
	RD/WH	Red / White	Rot / Weiß	Rouge / Blanc	Rojo / Blanco	Rosso / Bianco	
	VI/WH	Violet / White	Violett / Weiß	Violet / Blanc	Violeta / Blanco	Viola / Bianco	
	YL/WH	Yellow / White	Gelb / Weiß	Jaune / Blanc	Amarillo / Blanco	Giallo / Bianco	
	YL/GN	Yellow / Green	Gelb / Grün	Jaune / Vert	Amarillo / Verde	Giallo / Verde	
	YL/BK	Yellow / Black	Gelb / Schwarz	Jaune / Noir	Amarillo / Negro	Giallo / Nero	