Barrier-Free® Power Exam Table

Model Numbers:

625

MIDMARK®

Service and Parts Manual

MA8153p

FOR USE BY MIDMARK TRAINED TECHNICIANS ONLY

004-0763-00 9/26/17

Style B

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GENERAL INFORMATION

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(*) Indicates multiple pages due to model / serial number break(s).

Symbols

DANGER
Indicates an imminently hazardous situation which will result in serious or fatal injury if not avoided. This symbol is used only in the most extreme conditions.

WARNING
Indicates a potentially hazardous situation which could result in serious injury if not avoided.

Caution
Indicates a potentially hazardous situation which may result in minor or moderate injury if not avoided. It may also be used to alert against unsafe practices.

Equipment Alert
Indicates a potentially hazardous situation which could result in equipment damage if not avoided.

Note
Used for special instructions or additional information.

The symbols below may be used in this manual to represent the operational status of table functions and components.

Indicates the function / component is working properly. No action required.

Indicates the function / component is working, but a problem exists.

Indicates the function is not working at all, or that the component is faulty.

Ordering Parts

The following information is required when ordering parts:

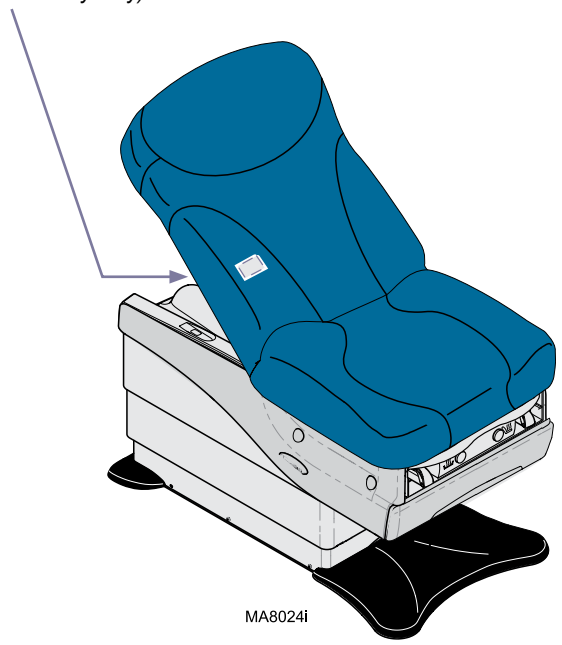
- Serial number & model number
- Part number for desired part
  (Refer to Section E: Exploded Views & Parts Lists)

Non-warranty part orders may be faxed to Midmark using the Fax Order Form in the back of this manual.

For warranty part orders, call Midmark's Technical Service Department with the required information.
Hours: 8:00 am to 5:00 p.m. EST (Monday thru Friday)
Phone: 1-800-Midmark (1-800-643-6275)

Serial Number Location

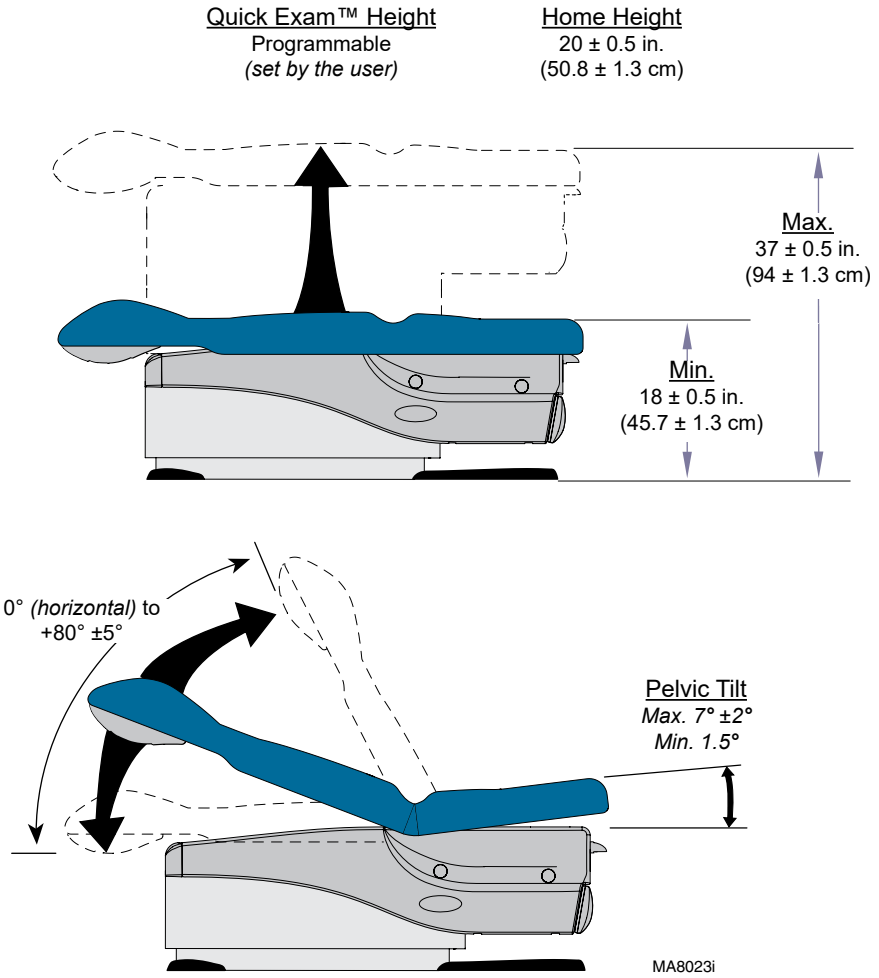
Model / Serial Number Label
Located on the Back Mounting Frame
(exact location may vary)



Specifications 625 (-001 /-003 /-005 /-006)

Range of Motion, Weights, Electrical Specifications

Specifications Chart	
Patient Weight *(maximum)*:	650 lbs (295 kg)
Weight of Table: **w/upholstery** **w/packaging & skid** ***(no uph.)*** **Uph. w/packaging** ***(shipped separately)***	 470 lbs (213 kg) 487 lbs (221 kg) 45 lbs (20 kg)
Power Cord Length:	8 ft. (244 cm)
Electrical Requirements:	*(See Regulatory Compliance Chart)*
Foot / Hand Control Voltage:	14 VAC, SELV (Safety Extra Low Voltage)
Duplex Receptacle(s) *(maximum load)*	115 VAC, 5A, 50/60 Hz
Fuses: *IEC inlet fuses (2)* *F1 & F2 (on main PC board):* *F3 (on main PC board):* *F4 (on main PC board)* *Models w/ drawer heaters* *distribution board fuses (2)*	 6.3A, 250V, Type-T, 5 x 20 mm 10A, 250V, Type-T, 5 x 20 mm 160mA, 250V, Type-T, 5 x 20 mm 6.3A, 250V, Type-T, 5 x 20 mm 800mA, 250V, Type-T, 5 x 20mm
Duty Cycle **(Motor Run Time):** **Receptacle(s) & Drawer Heater:**	 Intermittent Operation *[30 seconds ON / 5 minutes OFF]* Continuous Operation
Classifications:	Class 1, Type B Applied Part
Protection against ingress of fluids:	IPXO *[Foot Control only: IPX1]*

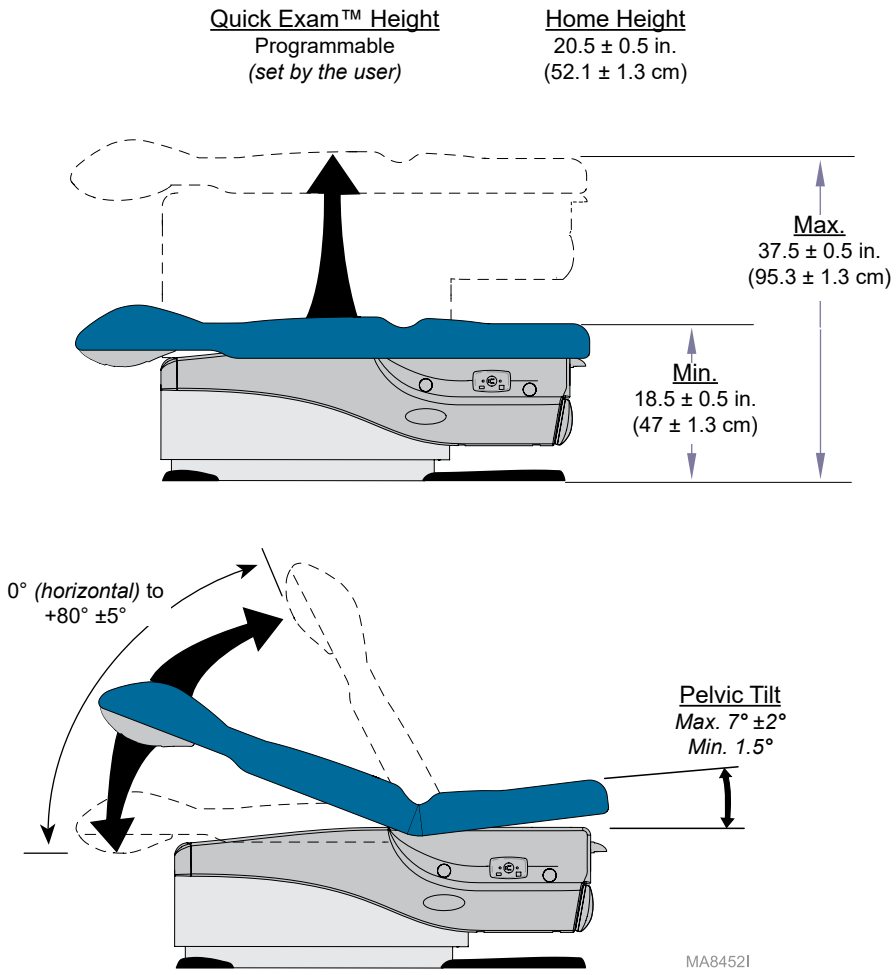


WARNING
Equipment not suitable for use in the presence of a flammable anesthetic mixture.

Specifications 625 (-004)

Range of Motion, Weights, Electrical Specifications

Specifications Chart	
Patient Weight *(maximum)*:	650 lbs (295 kg)
Weight of Table: **w/upholstery** **w/packaging & skid** ***(no uph.)*** **Uph. w/packaging** ***(shipped separately)***	 475 lbs (216 kg) 502 lbs (228 kg) 45 lbs (20 kg)
Power Cord Length:	8 ft. (244 cm)
Electrical Requirements:	*(See Regulatory Compliance Chart)*
Foot / Hand Control Voltage:	14 VAC, SELV (Safety Extra Low Voltage)
Simplex Receptacles *(maximum load)*	115 VAC, 5A, 50/60 Hz
Fuses: *IEC inlet fuses (2)* *F1 & F2 (on main PC board):* *F3 (on main PC board):* *F4 (on main PC board)* *Models w/ drawer heaters* *distribution board fuses (2)*	 6.3A, 250V, Type-T, 5 x 20 mm 10A, 250V, Type-T, 5 x 20 mm 160mA, 250V, Type-T, 5 x 20 mm 6.3A, 250V, Type-T, 5 x 20 mm 800mA, 250V, Type-T, 5 x 20mm
Duty Cycle **(Motor Run Time):** **Receptacles & Drawer Heater:**	 Intermittent Operation *[30 seconds ON / 5 minutes OFF]* Continuous Operation
Classifications:	Class 1, Type B Applied Part
Protection against ingress of fluids:	IPXO *[Foot Control only: IPX1]*



WARNING
Equipment not suitable for use in the presence of a flammable anesthetic mixture.

Model Identification / Compliance Chart

Fire Code Ratings:

All upholstery complies with California Bureau of Home Furnishing Technical Bulletin 117 and California Code of Regulations, Sect. 93120-93120.12, Title 17.Optional upholstery is available that complies with California Bureau of Home Furnishing Technical Bulletin 133.

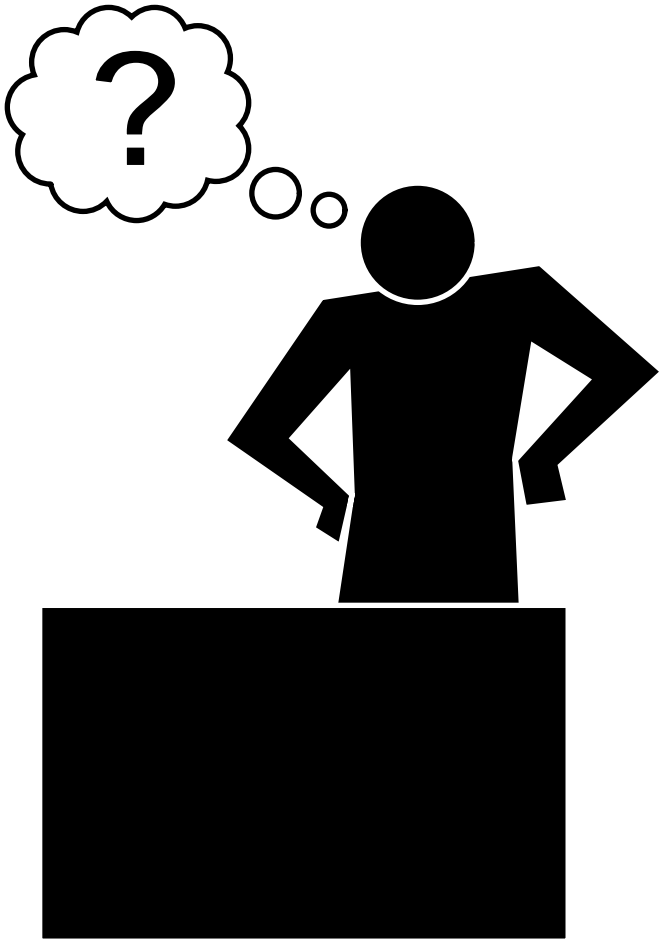
Model	Description	Complies To:					Electrical Ratings:		
		UL 60601-1	CAN / CSA 22.2, #601.1-M90	EN 60601-1	EN 60601-1-2 (EMC)	NFPA 99	VAC +/- 10%	Amps	Cycles (Hz)
625-001	Two-function table *(Base / Back)*, w/ receptacle(s), pelvic tilt, & drawer heater	•	•		•	•	115	12	50/60
625-003	Two-function table *(Base / Back)*, w/ receptacle(s), pelvic tilt, drawer heater, & wire-less controls	•	•		•	•	115	12	50/60
625-004	Two-function table *(Base / Back)*, w/ receptacles, pelvic tilt, drawer heater, wireless controls, IQscale™, and IQhub™	•	•		•	•	115	12	50/60
625-005	Two-function table *(Base / Back)*, w/ pelvic tilt			•	•		230	4	50/60
625-006	Two-function table *(Base / Back)*, w/ pelvic tilt, & drawer heater			•	•		230	4.5	50/60

Scheduled Maintenance / Cleaning Chart

Interval	Inspection / Service	Description
Weekly	Cleaning	Clean upholstery with appropriate diluted bleach solution 10:1 (water: bleach)
		Wipe painted metal & plastic surfaces with a clean soft cloth and mild cleaner. (Note: Periodic application of common furniture wax will ease cleaning and maintain the luster of the surfaces).
	Obvious Damage	Visually inspect components for damage that could result in unsafe operation.
Semi-Annually	Mechanical Operation	Check all mechanical functions using the foot control. Repeat using the hand control.
		Table shrouds should move smoothly & quietly when base is raised & lowered. *(NOTE: There are plastic glides on the shroud tabs, Missing glides may result in noisy operation.)*
	Labels / Decals	Replace any missing or illegible labels.
	Lubrication	Lubricate back hinge with light machine oil.
		Lubricate footrest slide with household furniture wax.
	Hardware	All fasteners must be present and fastened securely.
	Electrical System	Inspect power cord and all wiring for damage.
		Be sure all electrical connections are tight.
	Stirrups	Check that stirrups extend easily, and lock securely into each lateral position.
	Scale	Verify the scale is measuring accurately using a reference weight of known value.
Date of Service: Location: Service Technician:		Model Number: Serial Number: Notes:

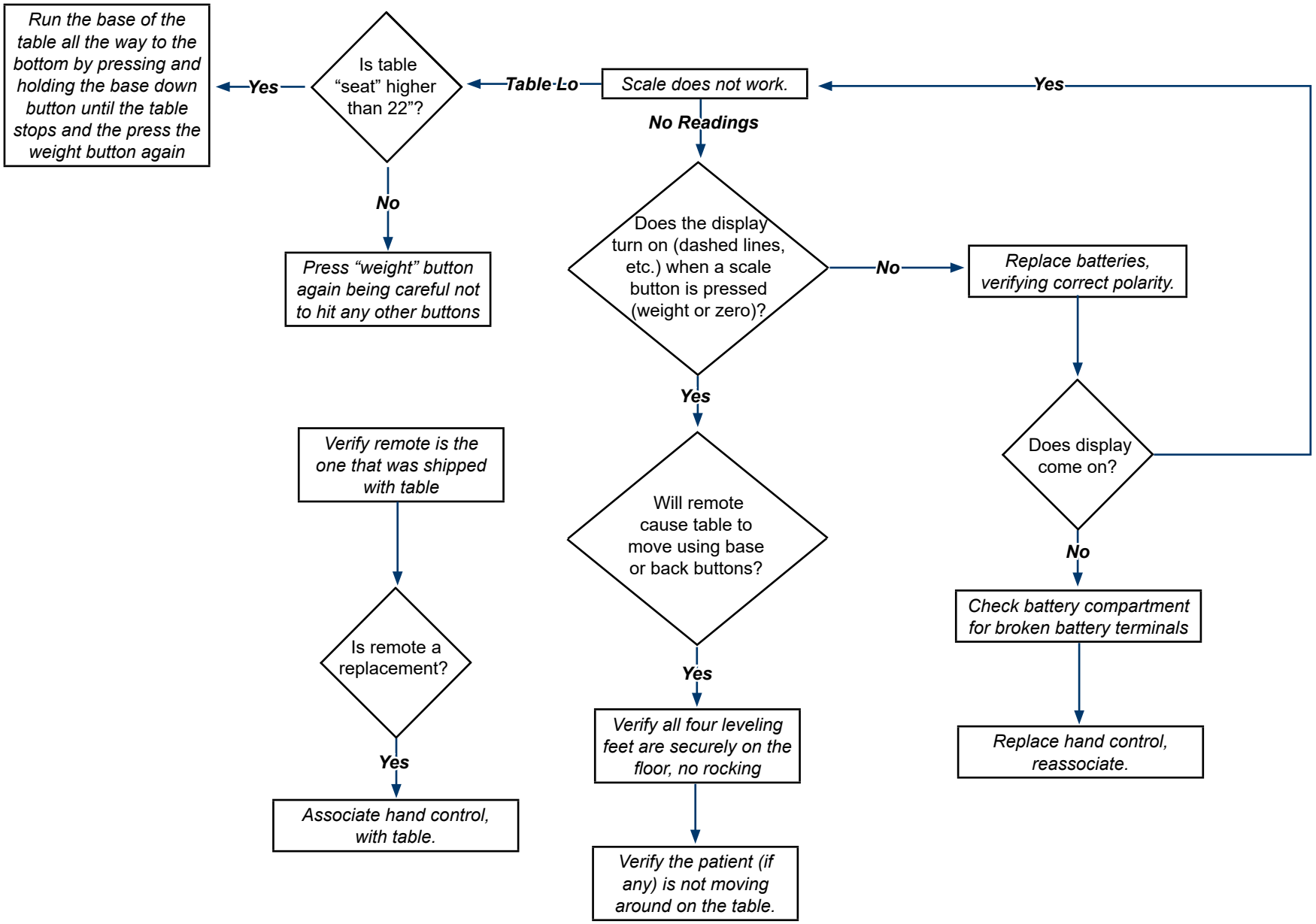
Section A

Troubleshooting



Quick Reference for 625 Scale Table (also refer to 625 Troubleshooting Chart section):

If below information does not resolve the issue, then contact technical service at 1-800-MIDMARK (643-6275).



Troubleshooting Chart

Problem	Symptom	Probable Cause	Check	Correction
No functions will operate.	All functions inoperable.	Facility supply voltage	Power cord connections & facility circuit breaker.	Secure power cord connections. Reset circuit breaker if necessary.
		Main PC board fuse(s) blown	Test F1, F2, F3, & F4 fuses	Refer to: *Section D - Wiring Diagrams*
		Loose wire connections	Wire connections between power inlet and main PC board.	Secure loose wire connections.
		Wireless controls *(if applicable)*	Refer to: *Section B - Wireless Controls*	Perform wireless controls test.
		Overtravel limit switch *(Later models only)*	Perform limit switch test *Section B - Limit Switch Test*	Replace faulty limit switch.
Base function not operating properly.	No Base Up or Base Down.	Loose wire connections	Wire connections (esp. Foot/Hand control(s) and base up/down limit switches).	Secure loose wire connections.
		Main PC board fuse(s) blown	Test F1, F2, F3, & F4 fuses	Refer to: *Section D - Wiring Diagrams*
		Foot / Hand control *(refer to: Wireless Controls if applicable)*	Perform Foot / Hand control test.	Refer to: *Section B - Foot / Hand Controls*
		Base actuator / PC board	Perform PC board tests.	Refer to: *Section B - PC Board Test*
	Table stops and beeps	Patient weight exceeded 650 lbs	If patient weight exceeded the 650 lb. weight limit.	Inform staff that max. patient weight is 650 lbs.
	No Base Up / Base Down OK	Loose wire connections	Wire connections (esp. Foot/Hand control(s) and base up limit switch).	Secure loose wire connections.
		Foot / Hand Control *(refer to: Wireless Controls if applicable)*	Perform Foot / Hand control test.	Refer to: *Section B - Foot / Hand Controls*
		Base Up limit switch	Perform limit switch test *Section B - Limit Switch Test*	Replace faulty limit switch.
		Base actuator / PC board	Perform PC board test.	Refer to: *Section B - PC Board Test*
	No Base Down / Base Up OK	Loose wire connections	Wire connections (esp. Foot/Hand control(s) and base down limit switch).	Secure loose wire connections.
		Foot / Hand Control *(refer to: Wireless Controls if applicable)*	Perform Foot / Hand control test.	Refer to: *Section B - Foot / Hand Controls*
		Base Down limit switch	Perform limit switch test *Section B - Limit Switch Test*	Replace faulty limit switch.
		Base actuator / PC board	Perform PC board test.	Refer to: *Section B - PC Board Test*

Troubleshooting Chart

Problem	Symptom	Probable Cause	Check	Correction
Base function not operating properly. - continued	Base Up / Down noisy, grinding or squeaking.	Actuator threads dry	Actuator threads.	Clean and lubricate base actuator threads with Lithium grease.
		Debris on Base Slides	For any debris on base slides.	Remove any debris from base slides. *Note: Do not lubricate base slides.*
		Base Actuator	Run table up and down, if squeaking or grinding continue check base actuator.	Replace base actuator.
	Table Up / Down - Table drifts down.	Foot / Hand Control *(refer to: Wireless Controls if applicable)*	Run table up, then unplug power cord. If drifting stops, perform Foot / Hand control test.	Refer to: *Section B - Foot / Hand control*
		Base Actuator	Run table up, then unplug power cord. If drifting continues, check base actuator.	Replace base actuator.
Back function not operating properly.	No Back Up or Back Down.	Loose wire connections	Wire connections (esp. Foot/Hand control(s) and back up/down limit switches.)	Secure loose wire connections.
		Main PC board fuse(s) blown	Test F1, F2, F3, & F4 fuses	*Section D - Wiring Diagrams*
		Foot / Hand control *(refer to: Wireless Controls if applicable)*	Perform Foot / Hand control test.	Refer to: *Section B - Foot / Hand Controls*
		Back actuator / PC board	Perform PC board test.	Refer to: *Section B - PC Board Test*
	Table stops and beeps.	Patient weight exceeded 650 lbs	If patient weight exceeded the 650 lb. weight limit.	Inform staff that max. patient weight is 650 lbs.
	No Back Up / Back Down OK.	Loose wire connections	Wire connections (esp. Foot/Hand control(s) and back up limit switch.)	Secure loose wire connections.
		Foot / Hand Control *(refer to: Wireless Controls if applicable)*	Perform Foot / Hand control test.	Refer to: *Section B - Foot / Hand Controls*
		Back Up Limit Switch	Perform limit switch test. *Section B - Limit Switch Test*	Replace faulty limit switch.
		Back actuator / PC board	Perform PC board test.	Refer to: *Section B - PC Board Test*

Troubleshooting Chart

Problem	Symptom	Probable Cause	Check	Correction
Back function not operating properly. - continued	No Back Down / Back Up OK.	Loose wire connections	Wire connections (esp. Foot/Hand control(s) and back down limit switch).	Secure loose wire connections.
		Foot / Hand Control (refer to: *Wireless Controls* if applicable)	Perform Foot / Hand control test.	Refer to: *Section B - Foot / Hand Controls*
		Back Down limit switch	Perform limit switch test *Section B - Limit Switch Test.*	Replace faulty limit switch.
		Back actuator / PC board	Perform PC board test.	Refer to: *Section B - PC Board Test*
	Back Up / Down - Back drifts down.	Foot / Hand Control *(refer to: Wireless Controls if applicable)*	Run back up, then unplug power cord. If drifting stops, perform Foot / Hand control test.	Refer to: *Section B - Foot / Hand Controls*
		Back Actuator	Run back up, then unplug power cord. If drifting continues, check back actuator.	Replace back actuator
Home not functioning properly.	No Home / Base Down OK.	Loose wire connections.	Wire connections (esp. Foot/Hand control(s) and Home limit switches).	Secure loose wire connections.
		Foot / Hand Control *(refer to: Wireless Controls if applicable)*	Perform Foot / Hand control test.	Refer to: *Section B - Foot / Hand Controls*
		Home Limit Switch(es)	Perform Limit Switch test. Refer to: *Section B - Limit Switch Test*	Replace faulty Limit Switch.
Quick Exam® not functioning properly.	Quick Exam® function inoperable.	Quick Exam® function not programed.	If Quick Exam® function was properly programed.	Refer to: Quick Exam® Operation in User Guide.
		Loose wire connections.	Wire connections (esp. Foot/Hand control(s) and Travel limit switches).	Secure loose wire connections.
		Foot / Hand Control *(refer to: Wireless Controls if applicable)*	Perform Foot / Hand control test.	Refer to: *Section B - Foot / Hand Controls*
		Travel Limit Switch(es)	Perform Limit Switch test. Refer to: *Section B - Limit Switch Test*	Replace faulty Limit Switch.

Troubleshooting Chart

Problem	Symptom	Probable Cause	Check	Correction
Table Receptacle(s) malfunctioning.	No power at table receptacle(s) All other functions work.	Circuit breaker	If circuit breaker is tripped.	Lift seat section to access circuit breaker(s), press to reset.
		Loose wire connection	Check wire connections between table receptacle and power cord.	Secure loose wire connections.
		Blown isolation transformer fuse(s) at IEC inlet	Test fuses at IEC inlet.	Refer to: *Section D - Wiring Diagrams*
		Isolation Transformer	Output voltage at isolation transformer.	Replace faulty isolation transformer.
		Table Receptacle	Voltage at receptacle.	Replace faulty receptacle.
Wireless Controls malfunctioning.	When any control button is pressed, that controller sounds a single “beep”. (All functions operate)	Low battery	Refer to: *Section B - Wireless Controls*	Replace batteries. *(size: AA)*
		Faulty PC board in controller	Refer to: *Section B - Wireless Controls*	Replace controller PC board.
	When any control button is pressed, nothing happens. (No “beeps”, no movement, ect.)	Controller not associated to table.	Refer to: *Section B - Wireless Controls*	Perform Association Procedure.
		Wireless controls component malfunction.	Refer to: *Section B - Wireless Controls*	Replace malfunctioning component.
Drawer Heater malfunctioning.	Drawer Heater does not warm up Heater Switch does not illuminate.	Loose wire connections.	Check wire connections between heater switch and power cord.	Secure loose wire connections.
		Blown fuse(s) on distribution board.	Test fuses on distribution board.	Refer to: *Section D - Wiring Diagrams*
		Drawer heater switch.	Test drawer heater switch. Refer to: *Section B - Drawer Heater Switch Test*	Replace drawer heater switch.
	Drawer Heater does not warm up Heater Switch-OK *(illuminates).*	Loose wire connections.	Check wire connections between heater switch and heater plate.	Secure loose wire connections.
		Drawer Heater Plate.	Test drawer heater plate. Refer to: *Section B - Drawer Heater Plate Test*	Replace drawer heater plate.
	Drawer Heater-OK Heater Switch does not illuminate.	Drawer Heater Switch.	Refer to: *Section B - Drawer Heater Switch replacement.*	Replace drawer heater switch.

Troubleshooting Chart (625-004)

Problem	Symptom	Probable Cause	Check	Correction
Digital Scale is malfunctioning.	Nothing is displayed on the digital display. Table functions OK.	Ten second scale time out feature activated.	Press Zero button to reactivate display.	Inform operator of the ten second time out feature.
		Faulty PC board in controller	Replace PC Board with known working PC Board.	Replace controller PC board.
	The measured weight of patient is inaccurate or the display scrolls.	Scale is not zeroed.	Check if operator failed to zero scale before seating patient.	Refer to: *Scale Operation in Users Guide.*
		The patient's feet are making contact with the floor after weight button has been pressed..	Check that the patient is properly seated.	Refer to: *Scale Operation in Users Guide.*
			Check if stop button was depressed while table was automatically raising.	Refer to: *Scale Operation in Users Guide.*
		Obstruction under or around table base.	Check for any obstruction under or around table.	Remove obstruction.
		Table not level.	Using bubble level supplied with table, check each corner of table base for level.	Refer to: *Leveling Instructions in Installation Guide.*
	Display on hand control scrolls without displaying weight.	Hand control not associated with table. *(No table functions)*.	Perform association procedure.	Refer to: *Wireless Controls.*
		Wire connection to external antenna loose or broken.	Check wire connections to External Antenna.	Refer to: *Wireless Controls.*
	Digital Display works, but measured weight stays at zero.	Scale calibration lost.	Verify scale is measuring accurately using a reference weight of known value.	Refer to: *Scale Calibration Procedure.*
		Loose wire connection.	Check wire connections from each load cell and scale control board.	Secure loose wire connection.
			Check wire connections between Scale PC Board and LIN to Scale PC Board.	Secure loose wire connection.
			Check wire connections between 625 to USB board and LIN to Scale board.	Secure loose wire connection.
		Defective Scale PC Board.	Replace Scale PC Board with known working Scale PC Board.	Refer to: *Scale / USB PC Boards Replacement Instructions.*
		Defective LIN to Scale PC Board.	Replace LIN to Scale PC Board with known working LIN to Scale PC Board.	Refer to: *Scale / USB PC Boards Replacement Instructions.*

Troubleshooting Chart (625-004)

Problem	Symptom	Probable Cause	Check	Correction
No function with hand or foot control	When depressing wired or wireless hand or foot control, no base or back up/down function (green light D12 on PC Board not illuminated).	Supply voltage.	Facility circuit breaker.	Reset circuit breaker..
		Power cord inlet (IEC)	Power cord.	Ensure inserted securely into inlet.
			Export Only: IEC inlet transformer fuses (6.3A, 250 V Slo-Blo)	Replace fuses.
		Main PC Board primary fuses (F1 and F2)	Continuity of fuses (10 A, 250 V Slo-Blo)	Replace blown fuse
		Main PC board transformer fuse (F3)	Continuity on fuse (160 mA, 250V Slo-Blo)	Replace blown fuse.
		Loose wire connections	Wire connections between power intlet and PC board.	Check for correct lie voltage at board
			Wire connections on main PC Board	Secure loose wire connection to back/base functions. Ensure harness wires are staggered properly to prevent any possible harness disconnection from board or from actuator.
		Overtravel limit switch (only on models with serial numbers from V96852 to present)	Perform limit switch test (untripped = less than 5 ohm; tripped = OL)	Replace faulty limit switch.

Troubleshooting Chart (625-004)

Problem	Symptom	Probable Cause	Check	Correction
No function with hand or foot control	When depressing wired hand or foot control, no base or back up/ down function (green light D12 on PC Board illuminated).	Hand control	Coil cord plugged properly into receptacle on table	Properly plug coil cord into receptacle
			Break in coil cord	Check for breaks. Replace coil cord as needed.
			Inlet malfunctioning	Plug hand control into second port to check for functionality. Replace defective port.
			Cord running from inlet to PC Board disconnected or broken.	Check cord for proper installation. Replace suspect cord with known working cord or perform continuity check on cord. Refer to: *Section B - Foot / Hand Controls*
			Main PC Board is malfunctioning	Refer to: *Section B -PC Board Test*
		Main PC Board base and back motor fuse (F4)	Continuity on fuse (6.3A, 250 V Slo-Blo)	If board is Version 1.5.X or below, then replace main PC Board. If board is Version 1.6.X or above, then replace fuse. Replace all 625 boards if fuse blown with serial number before V1309272. Replace fuse only with serial number after V1365847.
			Wire connections on main PC Board	Secure loose wire connection to back/ base functions. Ensure harness wires are staggered properly to prevent any possible harness disconnection from board or from actuator.
No function with hand or foot control. Unit gives audible PC Board tones when unplugged and plugged back in.	When depressing wireless hand or foot control, no base or back up/down function (green light D12 on PC Board illuminated).	Wireless hand and/or foot control	Batteries (controller will sound a single beep if batteries are low).	Replace batteries (size AA).
			Association of controller to table	Perform *Association Procedure*. If association does not work, then refer to: *Wireless Controls - Isolating a Malfunction*
		Main PC Board base and back motor fuse (F4)	Continuity on fuse (6.3A, 250 V Slo-Blo)	If board is Version 1.5.X or below, then replace main PC Board. If board is Version 1.6.X or above, then replace fuse.
			Wire connections on main PC Board	Secure loose wire connection(s).
Receptacle	Power cord inlet (IEC)		Continuity of isolation transformer fuses (6.3A, 250 V Slo-Blo).	Replace fuses.

Power to the Table (120 V models)

No functions will operate A-3

This illustration shows only the components that affect ALL TABLE FUNCTIONS.
A detailed description of current flow also appears below.

Facility Supply Voltage
With the chair's power cord properly connected, facility supply voltage (115 VAC) is supplied thru the cord to the main PC board.

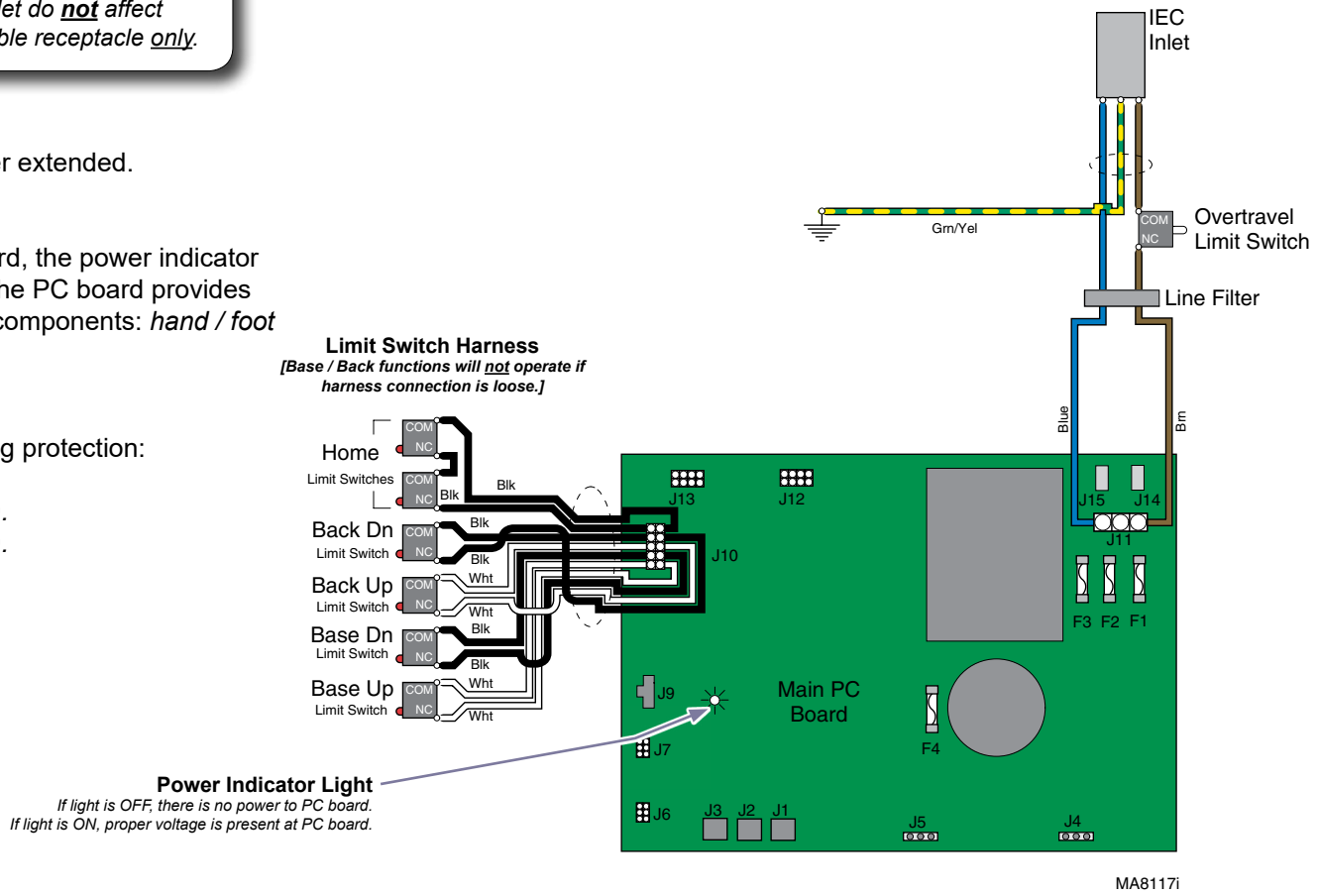
> ***Note***
> *The two external fuses at the power cord (IEC) inlet do **not** affect Base or Back functions. These fuses affect the table receptacle only.*

Overtravel Limit Switch *(Later models only)*
Disrupts power to main PC board if table is over extended.

Main PC Board
When proper voltage is supplied to the PC board, the power indicator light *(on PC board)* is illuminated. Circuitry on the PC board provides the required voltage to power all of the table's components: *hand / foot controls, actuators, limit switches.*

Fuses
The fuses on the PC board provide the following protection:

F1: *Protects PC board (supply voltage).*
F2: *Protects PC board (supply voltage).*
F3: *Protects PC board transformer.*
F4: *Protects Base and Back motors.*



MA8117i

Models:	625 (-001 & -003)	
Serial Numbers:	all	

Always verify model & serial number

Power to the Table (230 V models)

No functions will operate A-3

This illustration shows only the components that affect ALL TABLE FUNCTIONS.
A detailed description of current flow also appears below.

Facility Supply Voltage
With the chair's power cord properly connected, facility supply voltage *(230 VAC)* is supplied thru the two power cord inlet fuses to the export transformer.

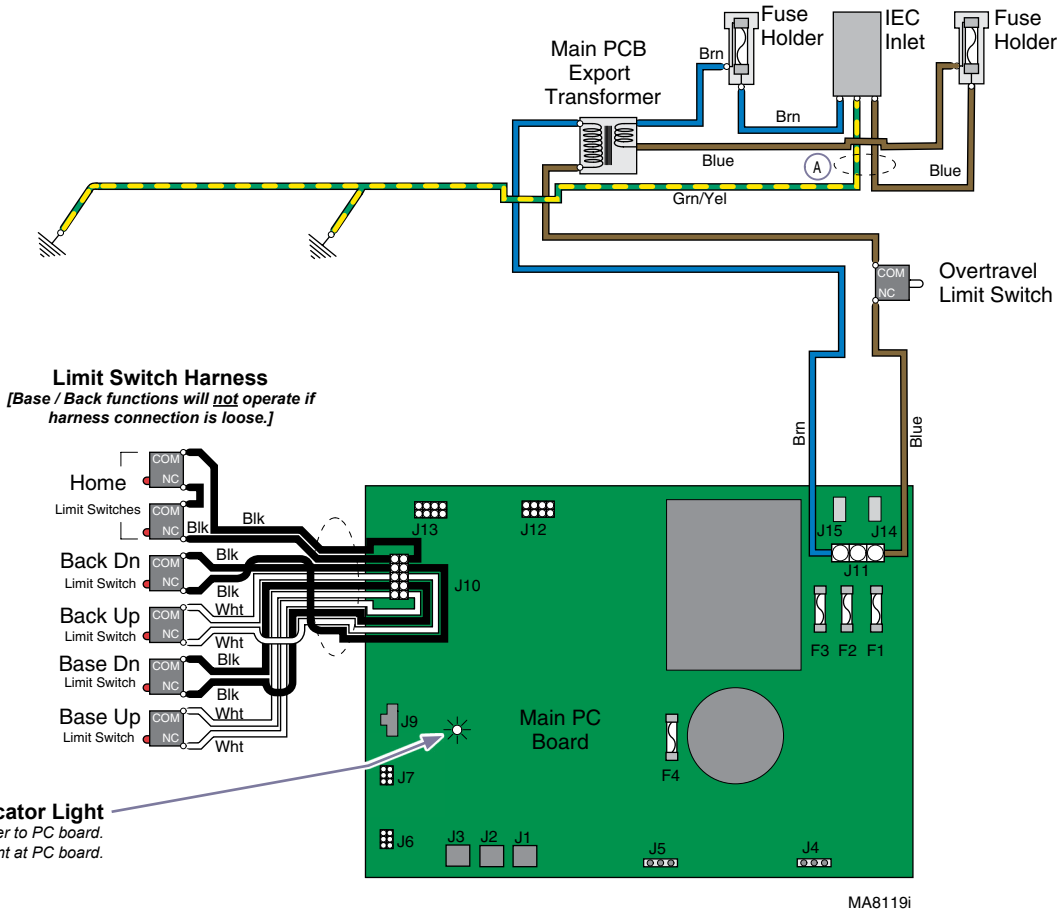
Export Transformer
The export transformer reduces the line voltage and supplies 120V to the main PC board.

Overtravel Limit Switch *(Later models only)*
Disrupts power to main PC board if table is over extended.

Main PC Board
When proper voltage is supplied to the PC board, the power indicator light *(on PC board)* is illuminated. Circuitry on the PC board provides the required voltage to power all of the table's components: *actuators, hand / foot controls, limit switches, etc.*

Fuses
The fuses on the PC board provide the following protection:

F1: *Protects PC board (supply voltage).*
F2: *Protects PC board (supply voltage).*
F3: *Protects PC board transformer.*
F4: *Protects Base and Back motors.*



MA8119i

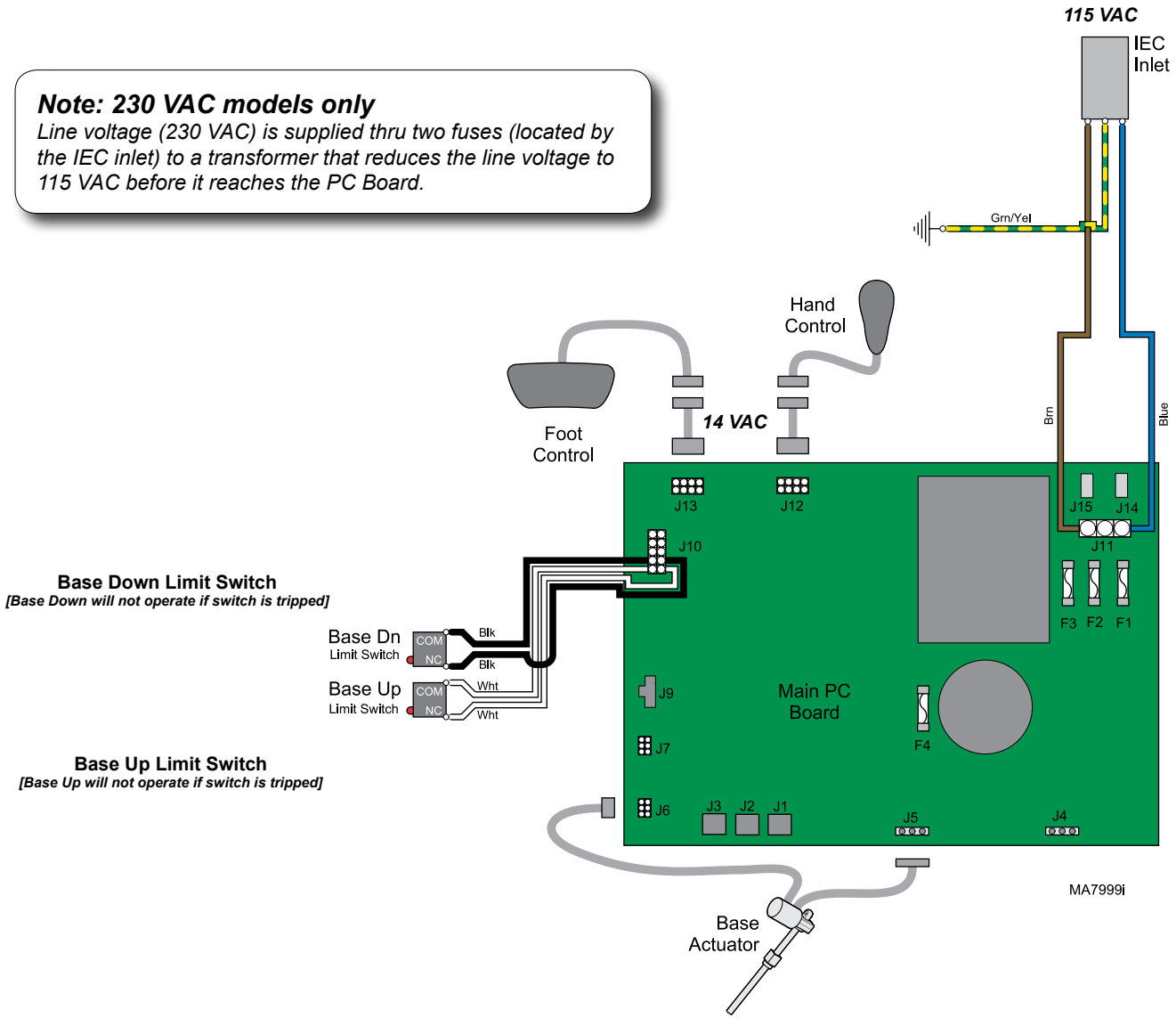
Models:	625 (-005 & -006)	
Serial Numbers:	all	

Always verify model & serial number

Base UP / DOWN Function

This illustration shows only the components that affect the Base UP / DOWN function. .
Refer to the following page for a detailed description of current flow during this function.

Note: 230 VAC models only
Line voltage (230 VAC) is supplied thru two fuses (located by the IEC inlet) to a transformer that reduces the line voltage to 115 VAC before it reaches the PC Board.



Models:	625	
Serial Numbers:	all	

Base UP / DOWN Function

Note
On 230 VAC models, line voltage (230VAC) is supplied thru two fuses (located by IEC inlet) to a transformer that reduces the line voltage to 115 VAC before it reaches the PC board.

Power to Foot / Hand Control
115 VAC is supplied thru the two primary fuses *(F1 & F2*) to the transformer on the PC board. *[F3 fuse protects the transformer].*

The transformer reduces the line voltage and supplies 14 VAC to the foot / hand control.

Base Up Operation

Note
If the Base Up limit switch is tripped (open), the Base Up function will not operate.

When the Base Up function is activated, current *(14 VAC)* flows thru the UP function foot switch *(N.O.)*, then back to the PC board. Circuitry on the PC Board energizes the base motor. *[F4 fuse protects the base motor].*

When the base function is energized, current flows to the actuator motor. When current flows to the actuator, the actuator motor runs and raises the table.

Actuator motor runs until:
1. Foot / Hand control button is released.
2. Base Up limit switch is tripped.
3. Fuse(s) opens (blows).
   [Primary, Base Motor, Transformer fuse]
4. Over current condition is detected.

Base Down Operation

Note
If the Base Down limit switch is tripped (open), the Base Down function will not operate.

When the Base Down function is activated, current *(14 VAC)* flows thru the DOWN function foot switch *(N.O.)*, then back to the PC board. Circuitry on the PC Board energizes the base motor. *[F4 fuse protects the base motor].*

When the base function is energized, current flows to the actuator motor. When current flows to the actuator, the actuator motor runs and lowers the table.

Actuator motor runs until:
1. Foot / hand control button is released.
2. Base Down limit switch is tripped.
3. Fuse(s) opens (blows).
   [Primary, Base Motor, Transformer fuse]
4. Over current condition is detected.

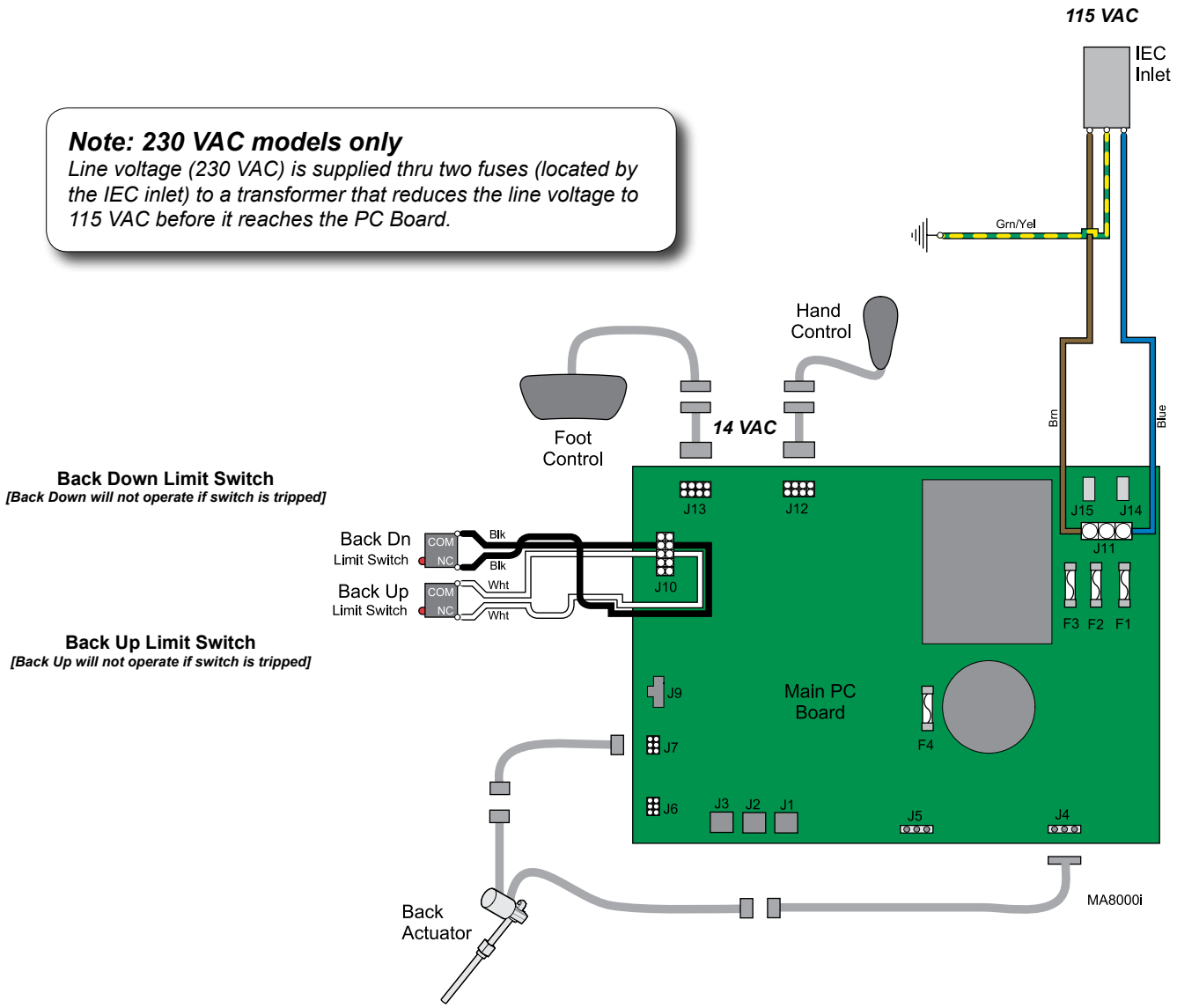
Equipment Alert
If an over current condition is detected the PC board will "beep" and all power functions will be disabled. Release the function button, remove load, then retry function.*
**(weight limit exceeded, mechanical binding, etc),*

Models:	***625***	
Serial Numbers:	*all*	

Back UP / DOWN Function

This illustration shows only the components that affect the Back UP / DOWN function. .
Refer to the following page for a detailed description of current flow during this function.

Note: 230 VAC models only
Line voltage (230 VAC) is supplied thru two fuses (located by the IEC inlet) to a transformer that reduces the line voltage to 115 VAC before it reaches the PC Board.



Models:	625	
Serial Numbers:	all	

Back UP / DOWN Function

Note
On 230 VAC models, line voltage (230VAC) is supplied thru two fuses (located by IEC inlet) to a transformer that reduces the line voltage to 115 VAC before it reaches the PC board.

Power to Foot / Hand Control
115 VAC is supplied thru the two primary fuses *(F1 & F2*) to the transformer on the PC board. *[F3 fuse protects the transformer].*

The transformer reduces the line voltage and supplies 14 VAC to the foot / hand control.

Back Up Operation

Note
If the Back Up limit switch is tripped (open), the Back Up function will not operate.

When the Back Up function is activated, current *(14 VAC)* flows thru the UP function foot switch *(N.O.)*, then back to the PC board. Circuitry on the PC Board energizes the back motor. *[F4 fuse protects the back motor].*

When the back function is energized, current flows to the actuator motor. When current flows to the actuator, the actuator motor runs and raises the back section.

Actuator motor runs until:
1. Foot / Hand control button is released.
2. Back Up limit switch is tripped.
3. Fuse(s) opens (blows).
   [Primary, Back Motor, Transformer fuse]
4. Over current condition is detected.

Back Down Operation

Note
If the Back Down limit switch is tripped (open), the Back Down function will not operate.

When the Back Down function is activated, current *(14 VAC)* flows thru the DOWN function foot switch *(N.O.)*, then back to the PC board. Circuitry on the PC Board energizes the back motor. *[F4 fuse protects the back motor].*

When the back function is energized, current flows to the actuator motor. When current flows to the actuator, the actuator motor runs and lowers the back section.

Actuator motor runs until:
1. Foot / Hand control button is released.
2. Back Down limit switch is tripped.
3. Fuse(s) opens (blows).
   [Primary, Back Motor, Transformer fuse]
4. Over current condition is detected.

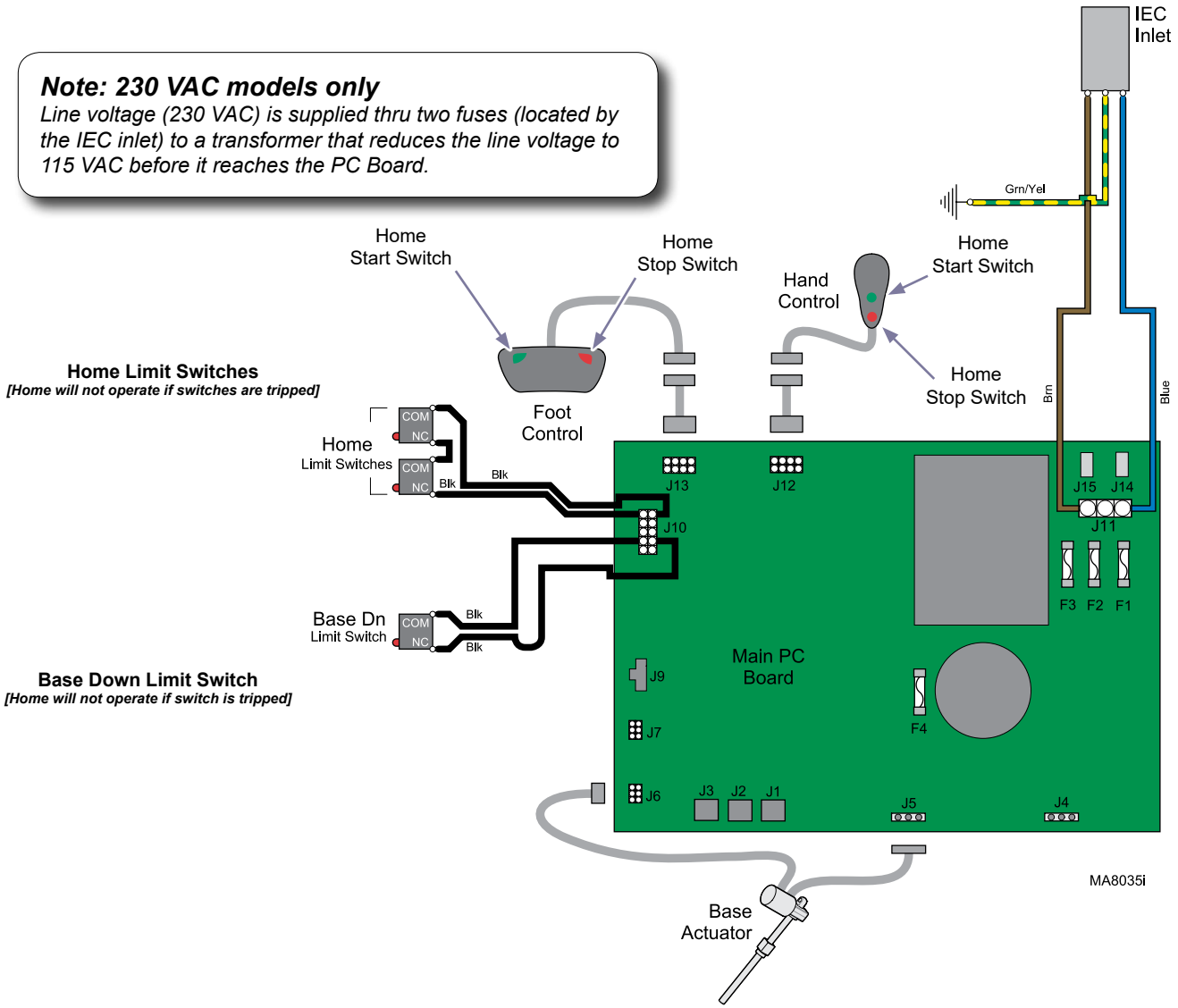
Equipment Alert
If an over current condition is detected the PC board will "beep" and <u>all</u> power functions will be disabled. Release the function button, remove load, then retry function.*
**(weight limit exceeded, mechanical binding, etc).*

Models:	***625***	
Serial Numbers:	*all*	

Home Function

No Home. Base Down - OK.....A-5

This illustration shows only the components that affect the Home function. .
Refer to the following page for a detailed description of current flow during this function.



Models:	625	
Serial Numbers:	all	

 [Revised: mo/dd/yr]

Always verify model & serial number

Home Function

> ***Note***
> *On 230 VAC models, line voltage (230VAC) is supplied thru two fuses (located by IEC inlet) to a transformer that reduces the line voltage to 115 VAC before it reaches the PC board.*

Power to Foot / Hand Control

115 VAC is supplied thru the two primary fuses *(F1 & F2*) to the transformer on the PC board. *[F3 fuse protects the transformer].*

The transformer reduces the line voltage and supplies 14 VAC to the foot / hand control.

Home Operation

> ***Note***
> *If either of the Home limit switches or the Base Down limit switch are tripped (open), the Home function will not operate.*

When the Home function is activated, current *(14VAC)* flows thru the Home foot switch, *(N.O.)*, then back to the PC Board. Circuitry on the PC Board energizes the base motor. *[F4 fuse protects the base motor].*

When the Home function is energized, current flows to the base motor. When current flows to the actuator, the actuator motor runs and lowers the table.

When voltage flows to the actuator, the actuator motor runs lowering the table.

Actuator motor runs until:

1. Stop button is depressed.
2. Home limit switch(es) is tripped.
3. *Base Down limit switch is tripped.*
4 *Fuse(s) opens (blows).*
   [Primary, Base Motor, Transformer fuse]
5. Over current condition is detected.

> ***Equipment Alert***
> *If an over current condition* is detected the PC board will "beep" and <u>all</u> power functions will be disabled. Release the function button, remove load, then retry function.*
> **(weight limit exceeded, mechanical binding, etc).*

Models:	***625***	
Serial Numbers:	*all*	

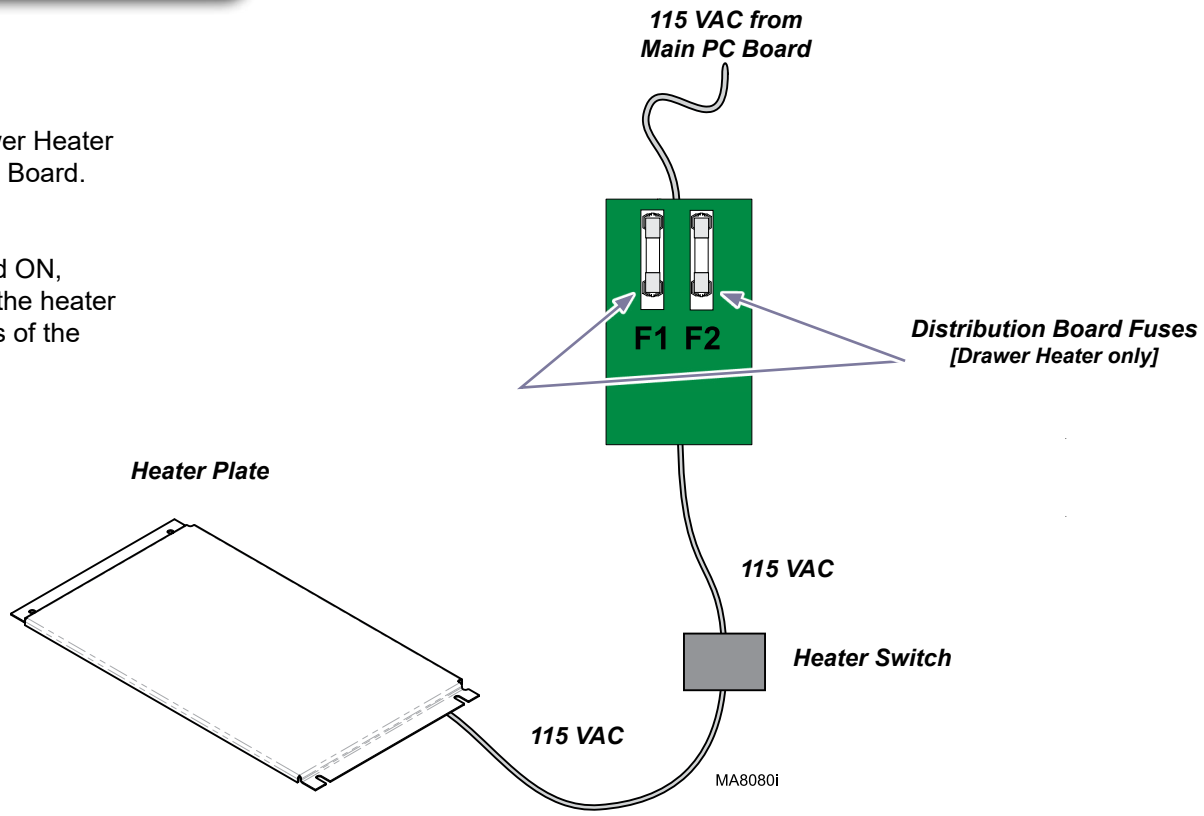
Drawer Heater System (optional)

This illustration shows only the components that affect the Drawer Heater System.
A detailed description of current flow during this function also appears below.

Note: 230 VAC models only
Line voltage (230 VAC) is supplied thru two fuses (located by the IEC inlet) to a transformer that reduces the line voltage to 115 VAC before it reaches the PC Board.

Drawer Heater Operation
115 VAC is supplied directly to the Drawer Heater switch thru two fuses on the Distribution Board. *[Voltage bypasses the Main PC Board].*

When the drawer heater switch is turned ON, current flows to the heater plate. When the heater plate is energized, it warms the contents of the drawer.



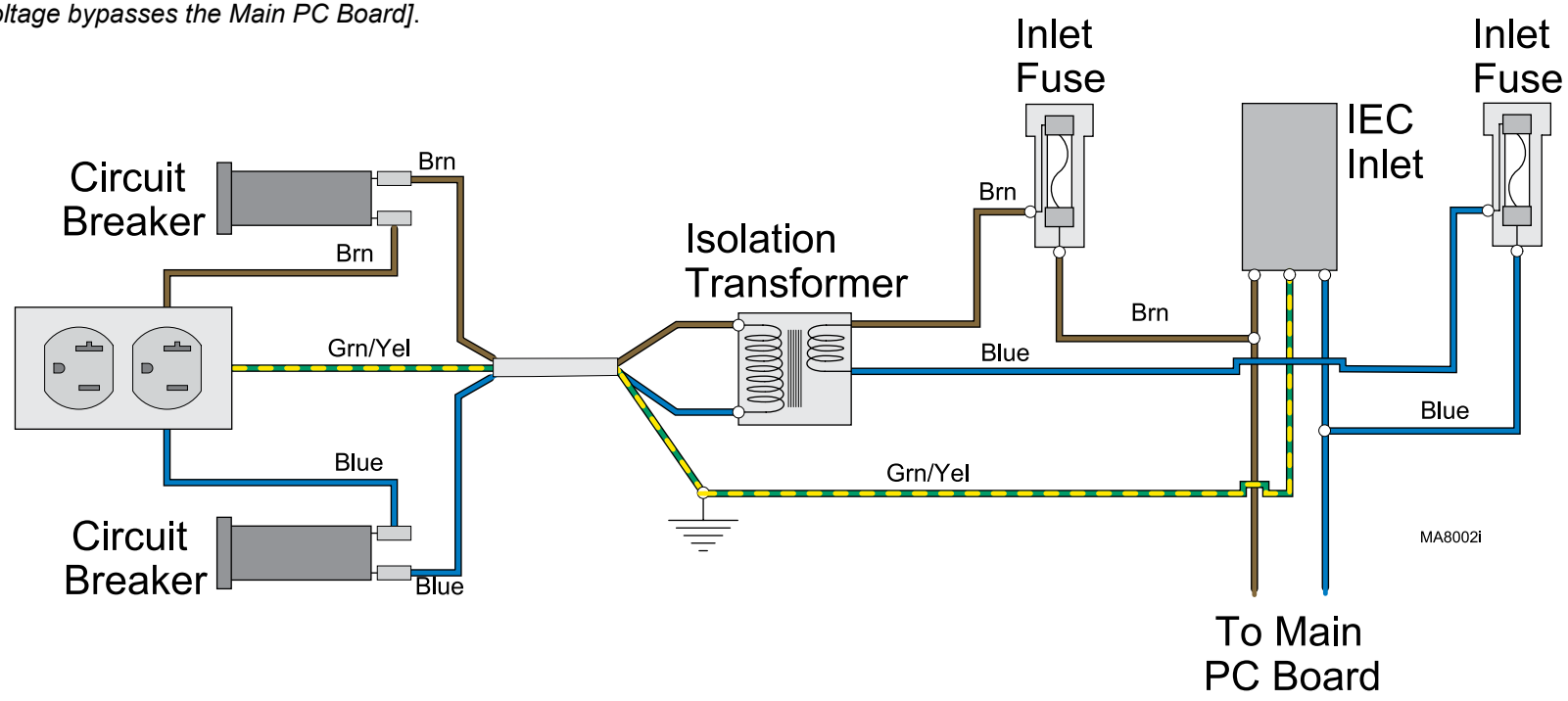
Models:	625 (-001 /-003 /-004 /-006	
Serial Numbers:	all	

Table Receptacle (optional)

No Power At Table Receptacle.....A-6

This illustration shows only the components that affect the table receptacle.
A detailed description of current flow during this function also appears below.

Table Receptacle
115 VAC is supplied directly to the receptacle thru two inlet fuses, isolation transformer, and circuit breakers.
[Voltage bypasses the Main PC Board].



Models:	625 (-001 /-003)	
Serial Numbers:	V2200 thru V1149713	

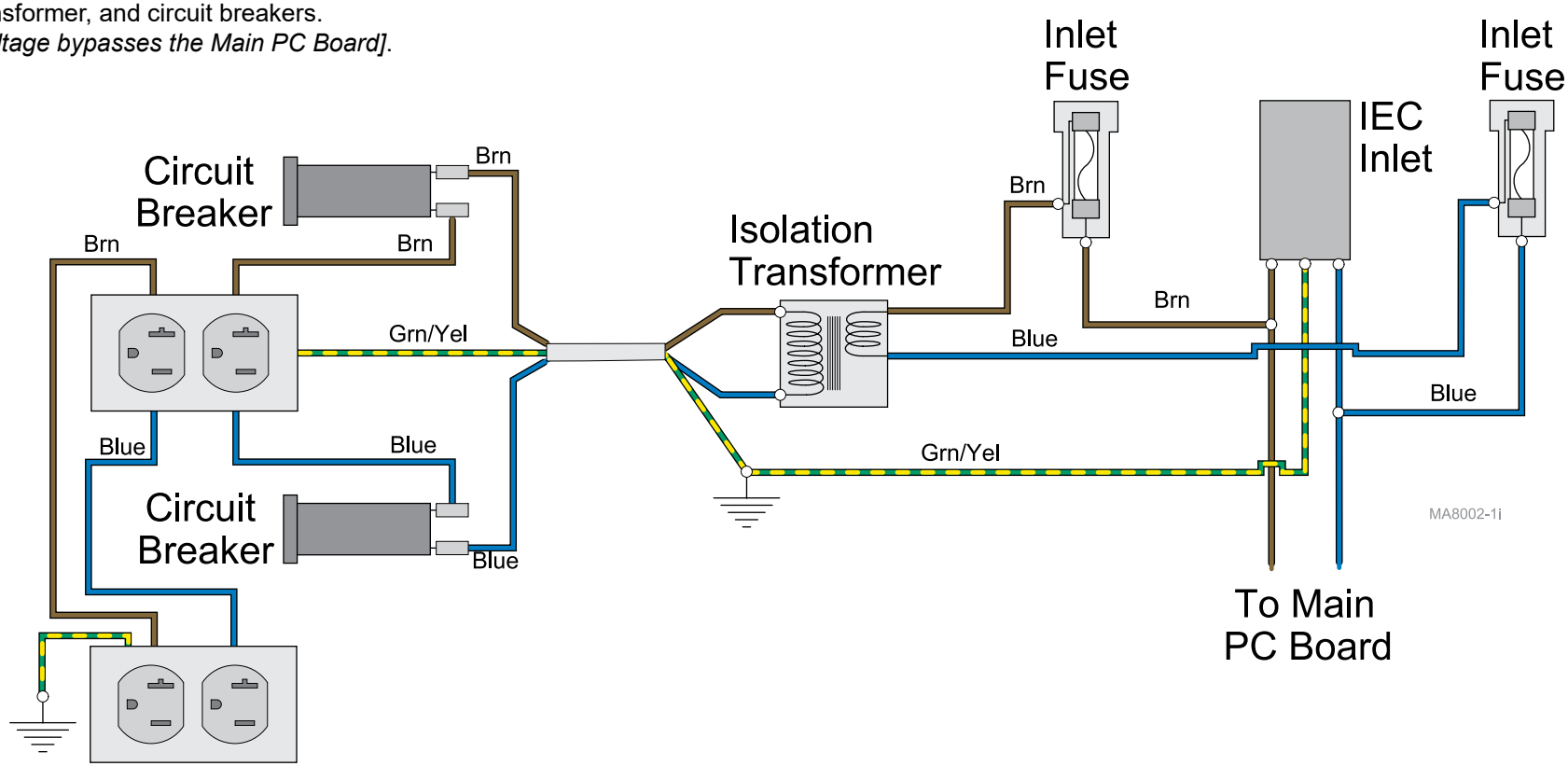
Always verify model & serial number

Table Receptacles (optional)

No Power At Table Receptacle.....A-6

This illustration shows only the components that affect the table receptacles.
A detailed description of current flow during this function also appears below.

Table Receptacles
115 VAC is supplied directly to the receptacles thru two inlet fuses, isolation transformer, and circuit breakers.
[Voltage bypasses the Main PC Board].



Models:	625 (-001 /-003)	
Serial Numbers:	V1149714 thru Present	

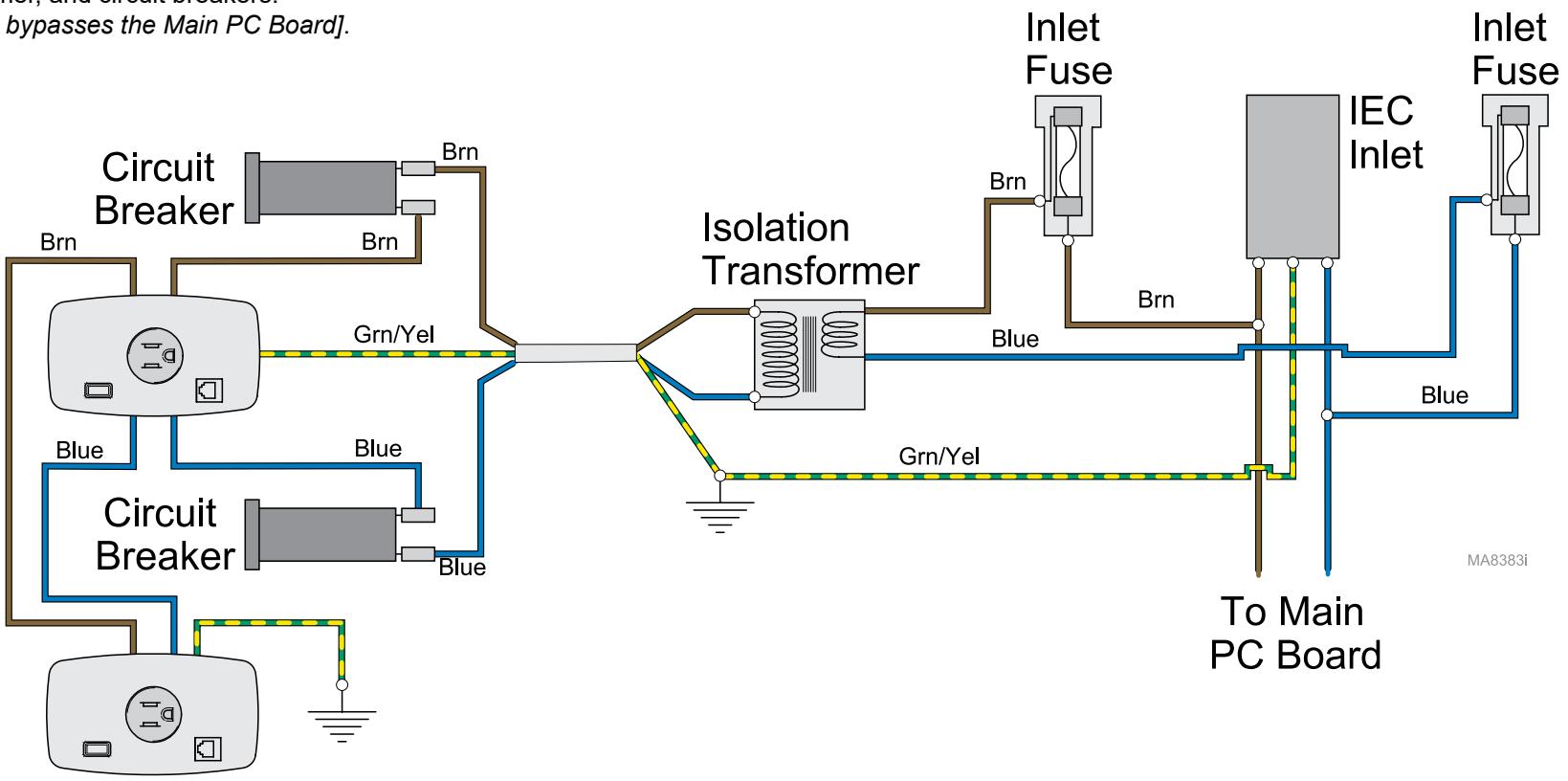
Always verify model & serial number

Table Receptacles

No Power At Table Receptacle.....A-6

This illustration shows only the components that affect the table receptacles.
A detailed description of current flow during this function also appears below.

Table Receptacles
115 VAC is supplied directly to the receptacles thru two inlet fuses, isolation transformer, and circuit breakers.
[Voltage bypasses the Main PC Board].



Models:	625 (-004)	
Serial Numbers:	All	

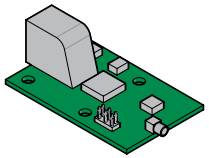
 [Revised: mo/dd/yr]

Always verify model & serial number

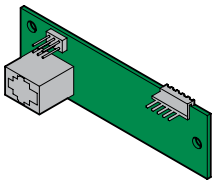
Scale Information Flow

This illustration shows only the components that affect the flow of information for weight.
A detailed description of information flow during this function also appears below.

Hand Control
When activated, the hand control transmits the request through the antenna to the Base Station.

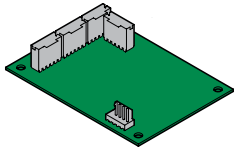


Base Station
When the Base Station receives the request, the “TX” light will flash momentarily.
The Base Station then sends the request to the “LIN to Scale” board.



LIN to Scale Board
The LIN to Scale Board receives request from Base Station.

The LIN to Scale Board then asks for weight from the Scale Board.



Scale Board
When the Scale Board receives request from LIN to Scale Board, the Red light will flash momentarily.
The Scale Board reads the weight from the load cells.
The Amber light will flash momentarily when the information is sent back to the LIN to Scale Board.
Note: Load cells are plugged into the Scale Board.

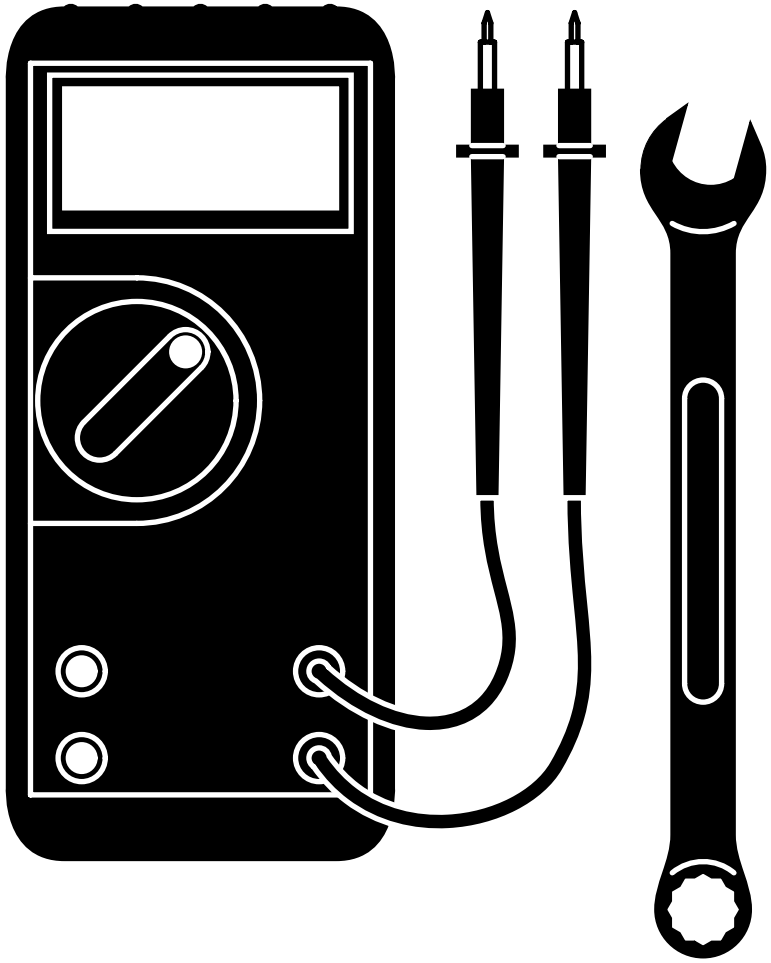
Note: These steps happen even if the Hand Control has not requested a weight. The LIN to Scale Board is constantly monitoring weight.

The LIN to Scale Board sends information back to Base Station.
The Base Station sends information back to Hand Control.
The Hand Control displays information.

Models:	625 (-004)	
Serial Numbers:	All	

Section B

Testing



Foot / Hand Controls

Isolating a Malfunction

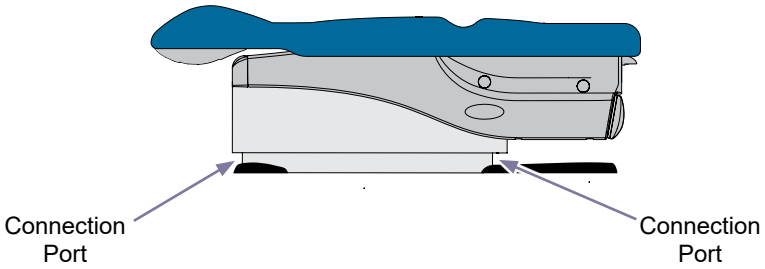
To isolate a malfunction, try activating the inoperable function(s) from hand control and foot control.

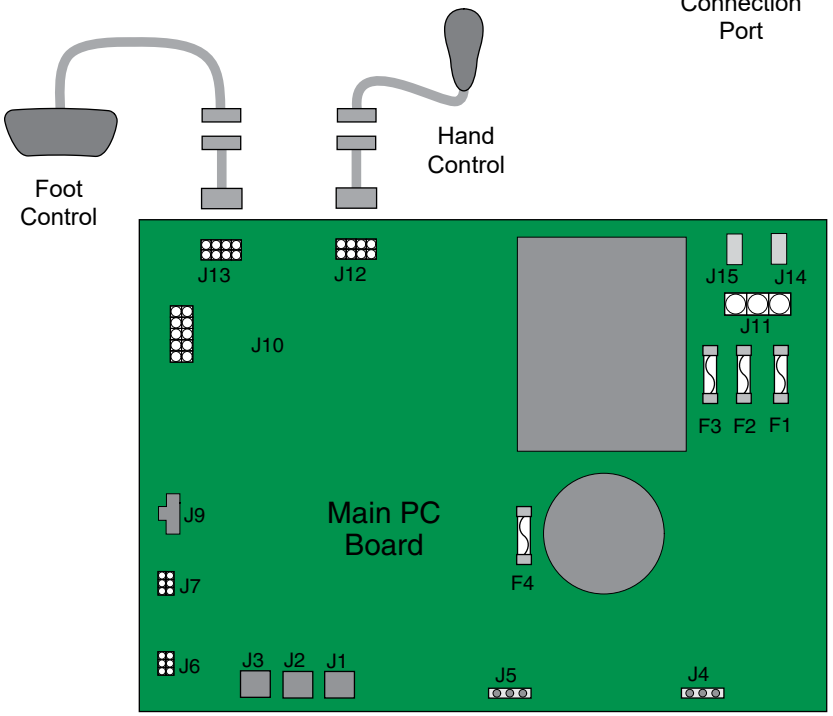
If function(s) are inoperable from the foot / hand control...

A) Plug the foot / hand control into the other connection port.
B) Secure Inlet harness connection(s) on main PC board at J12 & J13.

If function(s) are operable:
C) Replace Inlet harness at malfunctioning connection port.

If function(s) still inoperable:
*D) Perform the **Foot / Hand Control Test.***





MA8118i

Note
Refer to "Wireless Controls" if applicable.

Models:	***625***	
Serial Numbers:	*all*	

Always verify model & serial number

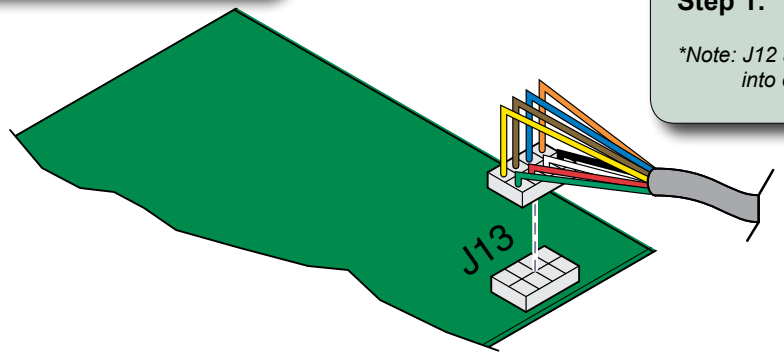
Access Procedures.....C-1
Wiring Diagrams.....D-1

Foot / Hand Control Test

Note
Refer to "Wireless Controls" if applicable.

Step 1: Disconnect wire harness from J12 and J13 on main PC board.

**Note: J12 and J13 are interchangeable. Either harness could be plugged into either J12 or J13.*

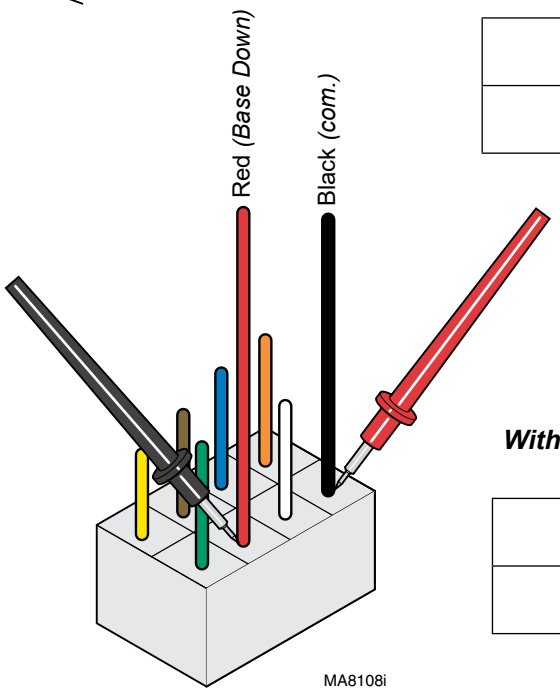


Step 2: Set meter to Ω.

Step 3: Place one meter probe on black wire (common) of foot / hand control harness.

Place other meter probe on the wire that corresponds to the switch to be tested.

Switch.....Wire Color
Base Up.....white
Base Down.....red
Back Up.....green
Back Down.....orange
Home.....blue
Stop.....brown
Quick Exam™.....yellow



With switch "untripped"...

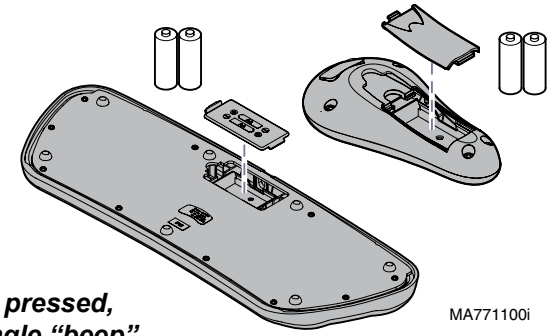
Meter Reading	*Required Action*
Any resistance reading	Replace control / switch membrane.
OL	Switch is good. Check fuses.

With switch "tripped"...

Meter Reading	*Required Action*
Less than or = to 5 ohms	Switch is good. Check fuses.
OL	Replace control / switch membrane.

Models:	***625***	
Serial Numbers:	*all*	

Isolating a Malfunction



MA771100i

Testing

- ***When any control button is pressed, that controller sounds a single "beep".***
  (All functions operate)

  Cause: 1. *Low battery*
  2. *Faulty PC board in controller*

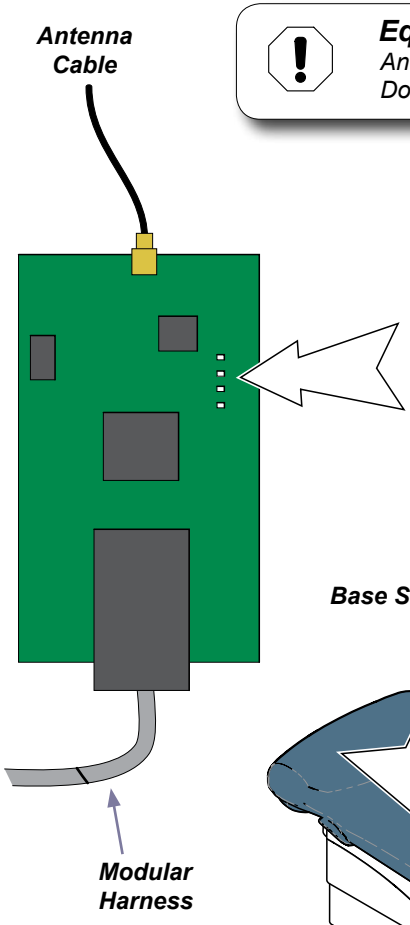
  Solution: 1. *Replace batteries (size: AA)*
  2. *Replace controller*

- ***When any control button is pressed, nothing happens.***
  (No "beeps", no movement, etc.)

  Check: 1. *Perform Association Procedure*
  2. *LEDs on base station PC board*
  (lights should quickly flash between "RX" and "TX" when function is activated.)

  If LED status is normal (see illustration):
  • *Check LEDs on hand and/or foot control (see next page).*

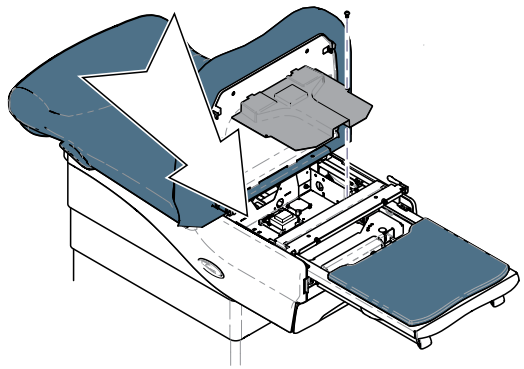
  If no LEDs are illuminated, or if no quick flash between "RX" and "TX" lights when function is activated, check the following:
  • *Modular harness (loose connections, damage, etc.)*
  • *Power supply to table*
  • *Replace base station PC board if necessary.*



Base Station PC Board

Equipment Alert
Antenna connection is very delicate.
Do not kink wire or apply stress to connection.

LEDs	Normal Status
TX	(**OFF** - except during Association Procedure)
RX	(**ON** - except during Association Procedure)
COM	(**ON**)
PWR	(**ON**)



MA8052i

Models:	625	
Serial Numbers:	all	

Testing *- continued*

- ***When any control button is pressed, nothing happens.*** *- continued*
  (No "beeps", no movement, etc.)

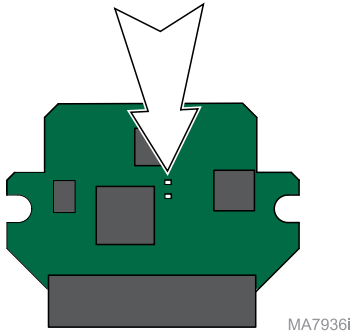
  (see previous page for Checks 1 & 2)
  Check: 3. LEDs on hand / foot control PC board
  (press any button on hand / foot control)

  If LEDs function properly (see illustration):
  - *Check antenna connection. (see parts list for detail)*
  - *Replace antenna if necessary.*

  If LEDs do not function properly:
  - *Replace batteries in controller (size: AA)*
  - *Replace controller touch membrane*
  - *Replace controller PC board if necessary.*

LEDs

D2
D3



MA7936i

Hand / Foot Control PC Board
(refer to parts list for location)

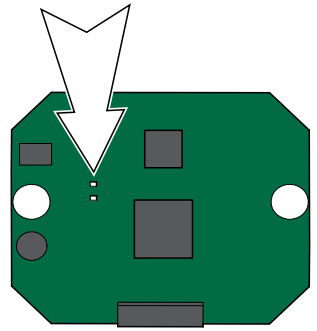
Normal Status

*(**ON** - only when a button on controller is pressed)*

*(**OFF** - except during Association Procedure)*

LEDs

D10
D11



MA8444i

Hand Control / w Scale PC Board
(625-004 Only)
(refer to parts list for location)

Models:	***625***	
Serial Numbers:	*all*	

 [Revised: 2/21/12]

Association Procedure

The wireless controllers will only function with the chair they have been "associated" with. This prevents unwanted movement in locations with more than one chair.

Each wireless controller's association is preset at the factory. This procedure is only required in the event of a malfunction, if a new controller is purchased, or if you are attempting to use the controller with a chair other then the one it was originally associated with.

***NOTE:** The base station PC board only stores the last two associated controllers. To ensure proper operation, Midmark recommends reassociating both controllers (hand & foot), even if only one new controller is purchased.*

Association Procedure:

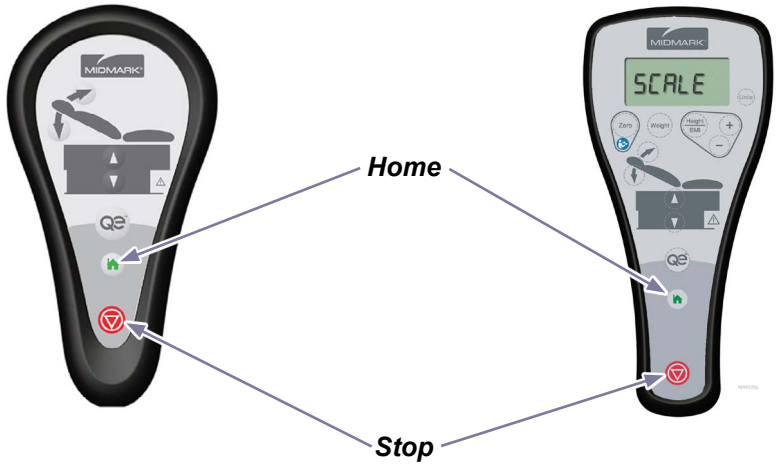
A) Disconnect power to the table for at least 3 seconds.

B) Reconnect power, wait for the power up beep sequence from the table, then press & hold the **Stop** & **Home** buttons on the **wireless** controller until you hear three "beeps".*

** Note: Step B must be performed within 10 seconds of the power up beep sequence from the table.*

C) Check for proper operation of wireless controller.

*D) If associating a hand **and** foot control, repeat procedure using the other wireless controller.*



Models:	625	
Serial Numbers:	all	

Always verify model & serial number

Base Function Components

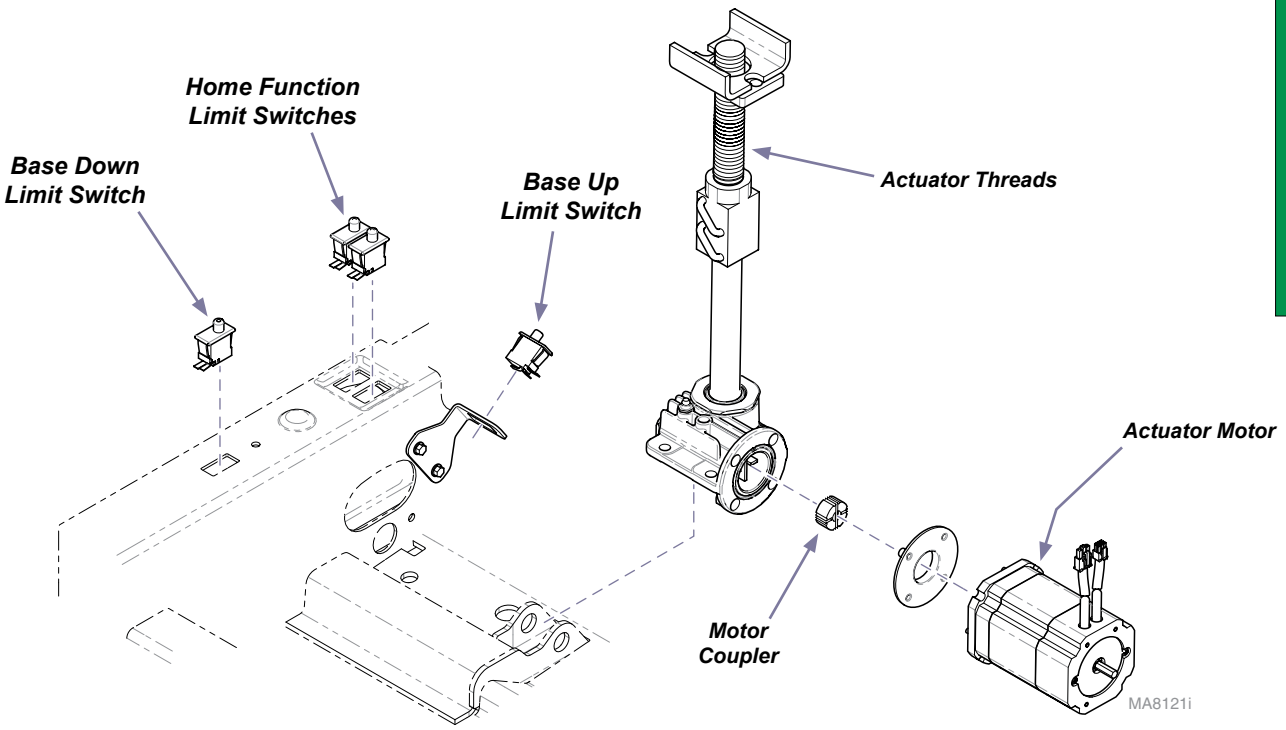
Wiring Diagrams D-1

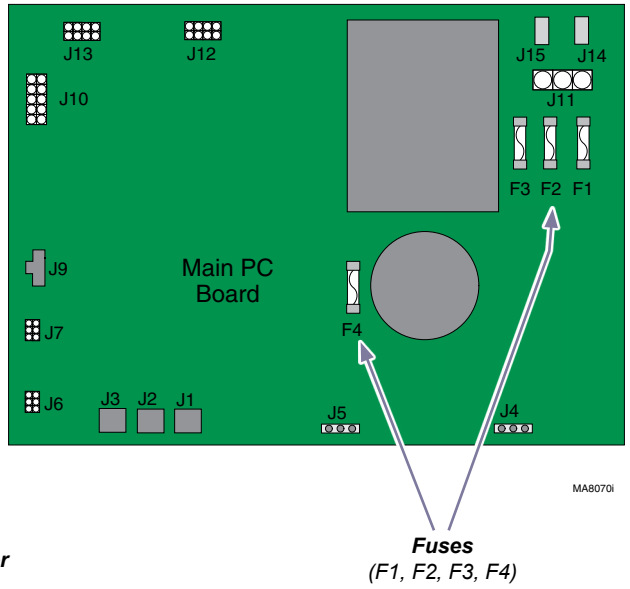
Base Actuator / Motor Replacement 003-2072-00

Isolating a Malfunction

This illustration shows the base limit switches, the serviceable components of the base actuator, and the fuses on the main PC board. Use the table below to isolate the malfunction.

Problem	Required Action
Motor does not run.	Check main PC board fuses *(F1, F2, F3, & F4)*
	Perform Limit Switch Test.
Base function operates, but makes grinding / squeaking noises	Clean / lube actuator threads. Remove any debris from base slides. *Note: Do not lubricate base slides.* Replace actuator if necessary*.
Motor runs, but table does not move.	Inspect / replace motor coupler.





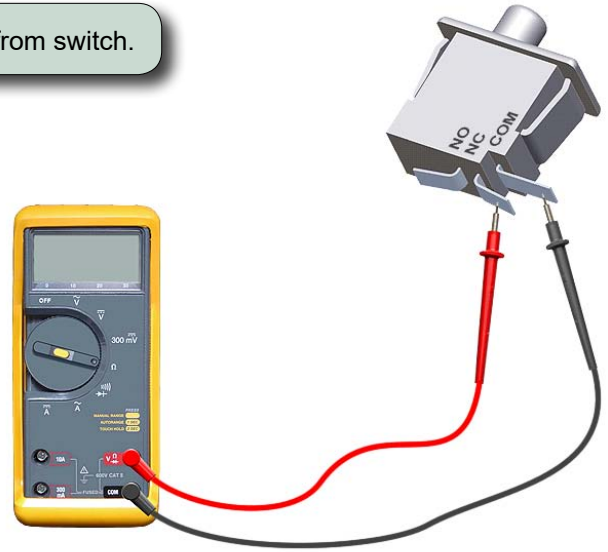
Models:	625	
Serial Numbers:	all	

** Replacement instructions are provided with the part. They are also available on midmark.com, or by clicking on the blue link.*

Always verify model & serial number

Limit Switch Test

Step 1: Disconnect wires from switch.



Step 2: Place meter probes on **COM** and **NC** terminals.

Note: Check switch "tripped" and "untripped".

With switch "untripped"...

Meter Reading	*Required Action*
OL	Replace limit switch
less than 5 ohms	Limit switch - OK Perform *PC Board Test*

With switch "tripped"...

Meter Reading	*Required Action*
OL	Limit switch - OK Perform *PC Board Test*
less than 5 ohms	Replace limit switch

Models:	***625***	
Serial Numbers:	*all*	

Base Function Components - continued

Calibration Procedure.....B-20

PC Board Replacement.....003-2073-00

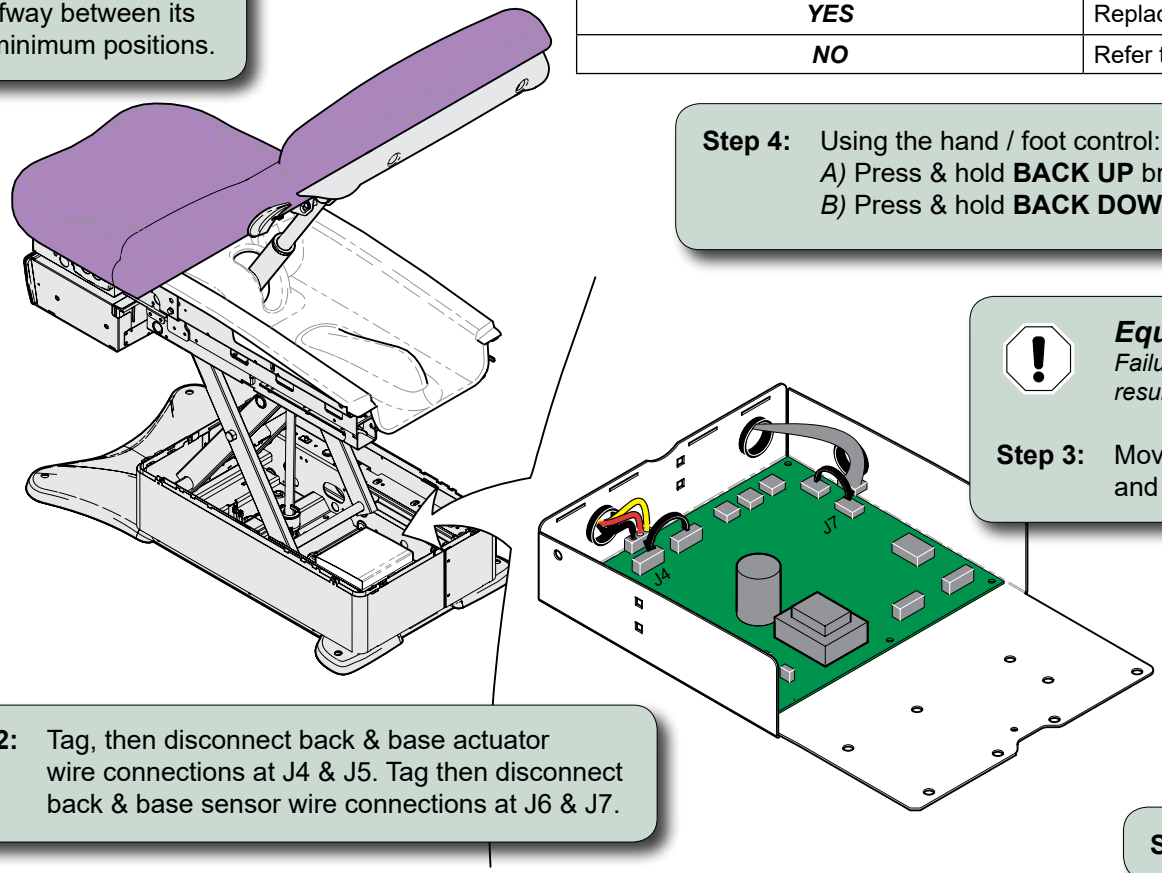
PC Board Test

Equipment Alert
The back limit switches will not stop movement during this test.
Do not run past max. / min. positions.

Step 1: Move Back section so that it is approx. halfway between its maximum & minimum positions.

Did BASE move Up and Down in Step 4?	*Required Action*
YES	Replace main PC board
NO	Refer to: Base Actuator Motor Resistance Test

Step 4: Using the hand / foot control:
A) Press & hold **BACK UP** briefly.
B) Press & hold **BACK DOWN** briefly.



MA8077i

Equipment Alert
Failure to move both connections may result in damage to PC Board.

Step 3: Move base actuator connection to J4 and base sensor connection to J7.

Step 2: Tag, then disconnect back & base actuator wire connections at J4 & J5. Tag then disconnect back & base sensor wire connections at J6 & J7.

Step 5: Calibrate PC Board.

Models:	***625***	
Serial Numbers:	*all*	

**** Replacement instructions are provided with the part. They are also available on midmark.com, or by clicking on the blue link.***

Always verify model & serial number

Base Actuator Motor Resistance Test

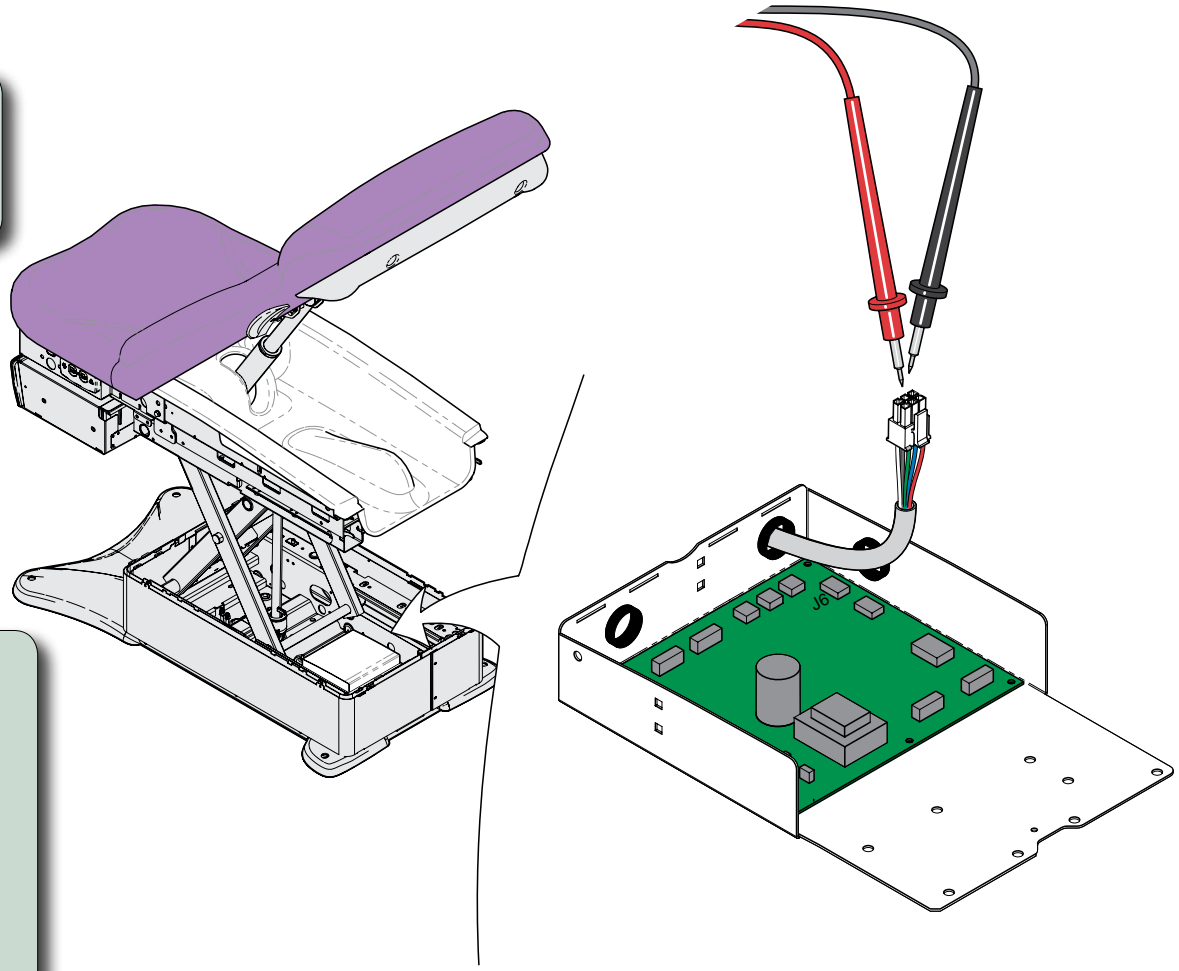
Isolating a Malfunction

Calibration Procedure B-20

Base Actuator / Motor Replacement 003-2072-00

Equipment Alert
Anytime actuator wires are disconnected, the PC Board must be calibrated.

Step 1:
A) Disconnect power to the table.
B) Disconnect back actuator from J6 on PC Board.
C) Set multimeter to Ohms to check resistance.



Step 2:
A) Place the Red meter probe on the Black wire, and the Black meter probe on the Blue wire.

B) Place the Red meter probe on the Black wire, and the Black meter probe on the Green wire.

C) Place the Red meter probe on the Black wire, and the Black meter probe on the White wire.

If any of the readings are less than two Mega Ohms after three seconds, the motor is defective.

Models:	**625**	
Serial Numbers:	*all*	

Always verify model & serial number

Back Function Components

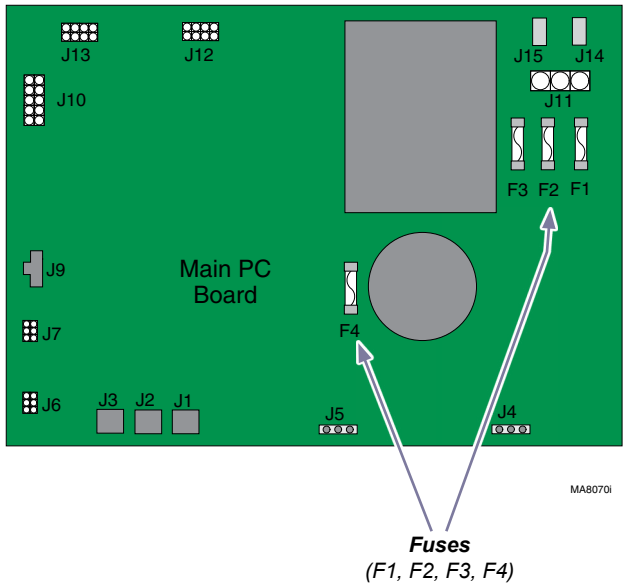
Wiring Diagrams D-1

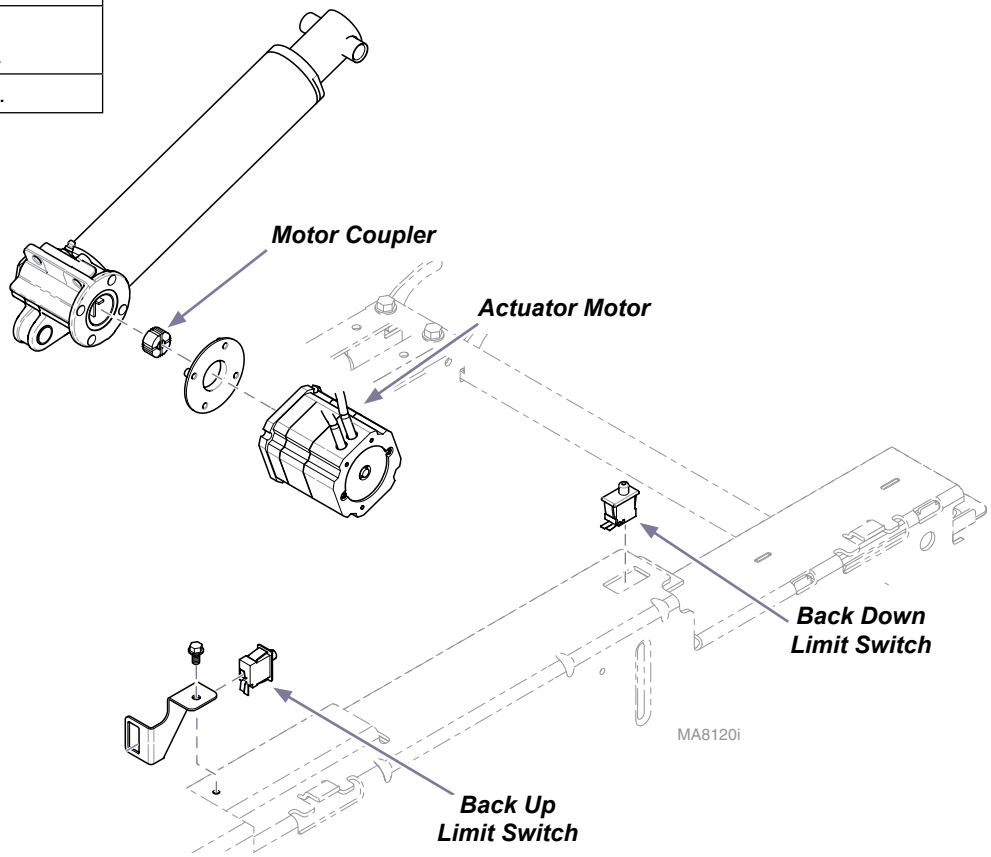
Back Actuator / Motor Replacement 003-2071-00

Isolating a Malfunction

This illustration shows the back limit switches, the serviceable components of the back actuator, and the fuses on the main PC board. Use the table below to isolate the malfunction.

Problem	***Required Action***
Motor does not run.	Check main PC board fuses *(F1, F2, F3, & F4)*
	Perform *Limit Switch Test*
Back function operates, but makes grinding / squeaking noises	Clean / lube actuator threads. Replace actuator if necessary*.
Motor runs, but table does not move.	Inspect / replace motor coupler.





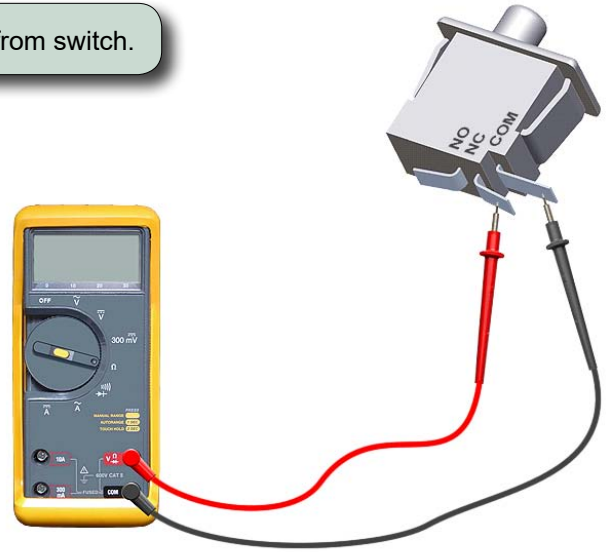
Models:	***625***	
Serial Numbers:	*all*	

**** Replacement instructions are provided with the part. They are also available on midmark.com, or by clicking on the blue link.***

Always verify model & serial number

Limit Switch Test

Step 1: Disconnect wires from switch.



Step 2: Place meter probes on **COM** and **NC** terminals.

Note: Check switch "tripped" and "untripped".

With switch "untripped"...

Meter Reading	*Required Action*
OL	Replace limit switch
less than 5 ohms	Limit switch - OK Perform *PC Board Test.*

With switch "tripped"...

Meter Reading	*Required Action*
OL	Limit switch - OK Perform *PC Board Test.*
less than 5 ohms	Replace limit switch

Models:	***625***	
Serial Numbers:	*all*	

Back Function Components - continued

PC Board Test

Calibration Procedure.....B-20

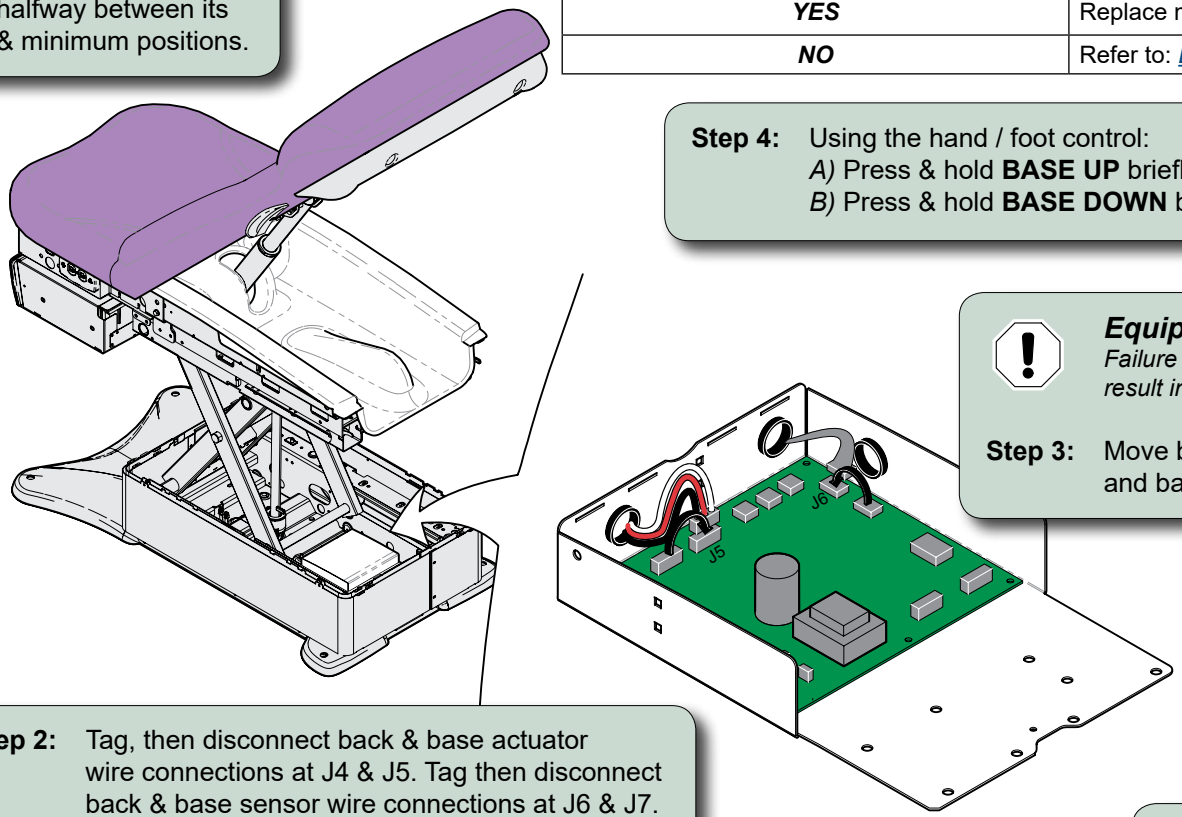
PC Board Replacement.....003-2073-00

Equipment Alert
The base limit switches will not stop movement during this test.
Do not run past max. / min. positions.

Step 1: Move Base section so that it is approx. halfway between its maximum & minimum positions.

Did BACK move Up and Down in Step 4?	*Required Action*
YES	Replace main PC board*
NO	Refer to: *Back Actuator Motor Resistance Test*

Step 4: Using the hand / foot control:
A) Press & hold **BASE UP** briefly.
B) Press & hold **BASE DOWN** briefly.



Equipment Alert
Failure to move both connections may result in damage to PC Board.

Step 3: Move back actuator connection to J5 and back sensor connection to J6.

Step 2: Tag, then disconnect back & base actuator wire connections at J4 & J5. Tag then disconnect back & base sensor wire connections at J6 & J7.

Step 5: Calibrate PC Board.

Models:	***625***	
Serial Numbers:	*all*	

**** Replacement instructions are provided with the part. They are also available on midmark.com, or by clicking on the blue link.***

Always verify model & serial number

Back Actuator Motor Resistance Test

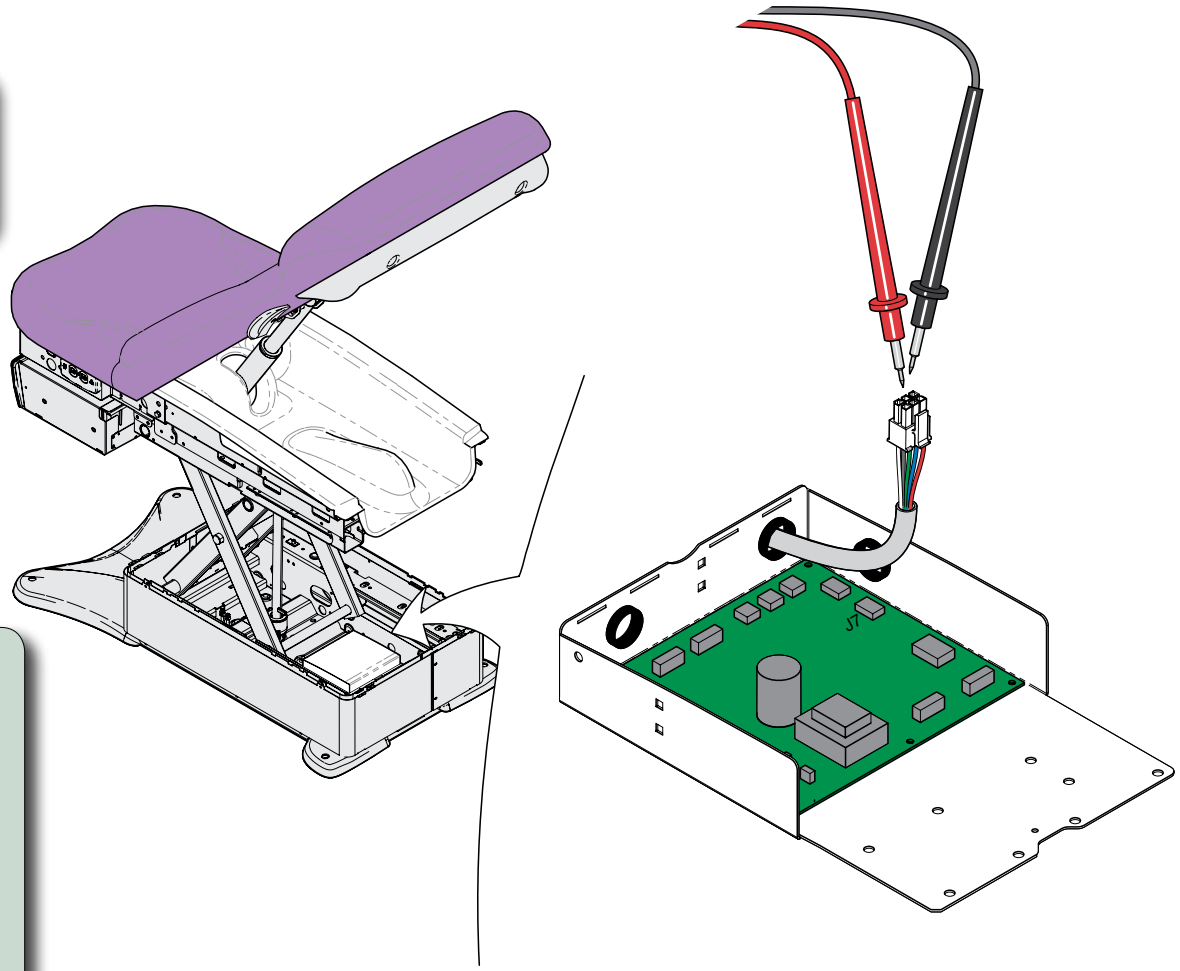
Isolating a Malfunction

Calibration Procedure *B-20*

Back Actuator / Motor Replacement *003-2071-00*

Equipment Alert
Anytime actuator wires are disconnected, the PC Board must be calibrated.

Step 1:
A) Disconnect power to the table.
B) Disconnect back actuator from J7 on PC Board.
C) Set multimeter to Ohms to check resistance.



Step 2:
A) Place the Red meter probe on the Black wire, and the Black meter probe on the Blue wire.

B) Place the Red meter probe on the Black wire, and the Black meter probe on the Green wire.

C) Place the Red meter probe on the Black wire, and the Black meter probe on the White wire.

If any of the readings are less than two Mega Ohms after three seconds, the motor is defective.

Models:	**625**	
Serial Numbers:	*all*	

Always verify model & serial number

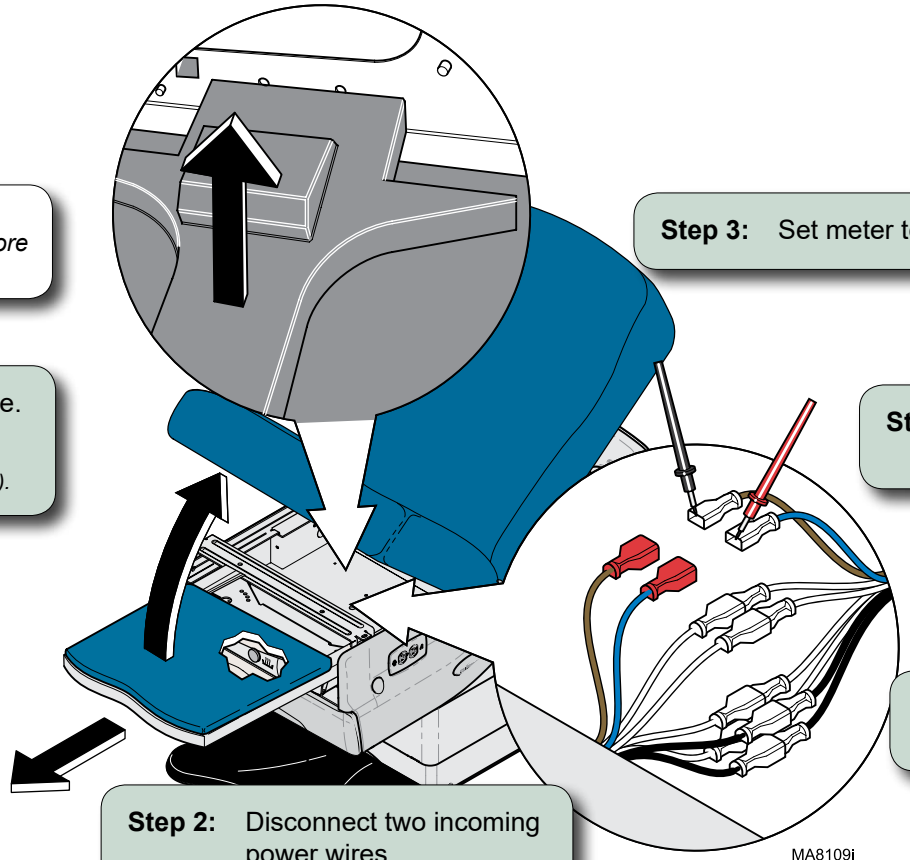
Drawer Heater System

Distribution Board Test

Caution
Unplug power cord before removing stirrup guide.

Step 1: Remove stirrup guide.

Note: If necessary, remove chair arm brace (see Access Procedures).



Step 2: Disconnect two incoming power wires.

Step 3: Set meter to 200 VAC.

Step 4: Place meter probes on incoming power wires.

Step 5: Plug in power cord, then depress switch ON.

Meter Reading	*Required Action*
approx. 115 VAC	Perform *Heater Switch Test.*
0 VAC	Check connections & distribution board fuses.

Models:	***625 (-001 /-003 /-004 /-006)***	
Serial Numbers:	*all*	

Always verify model & serial number

Heater Switch Test

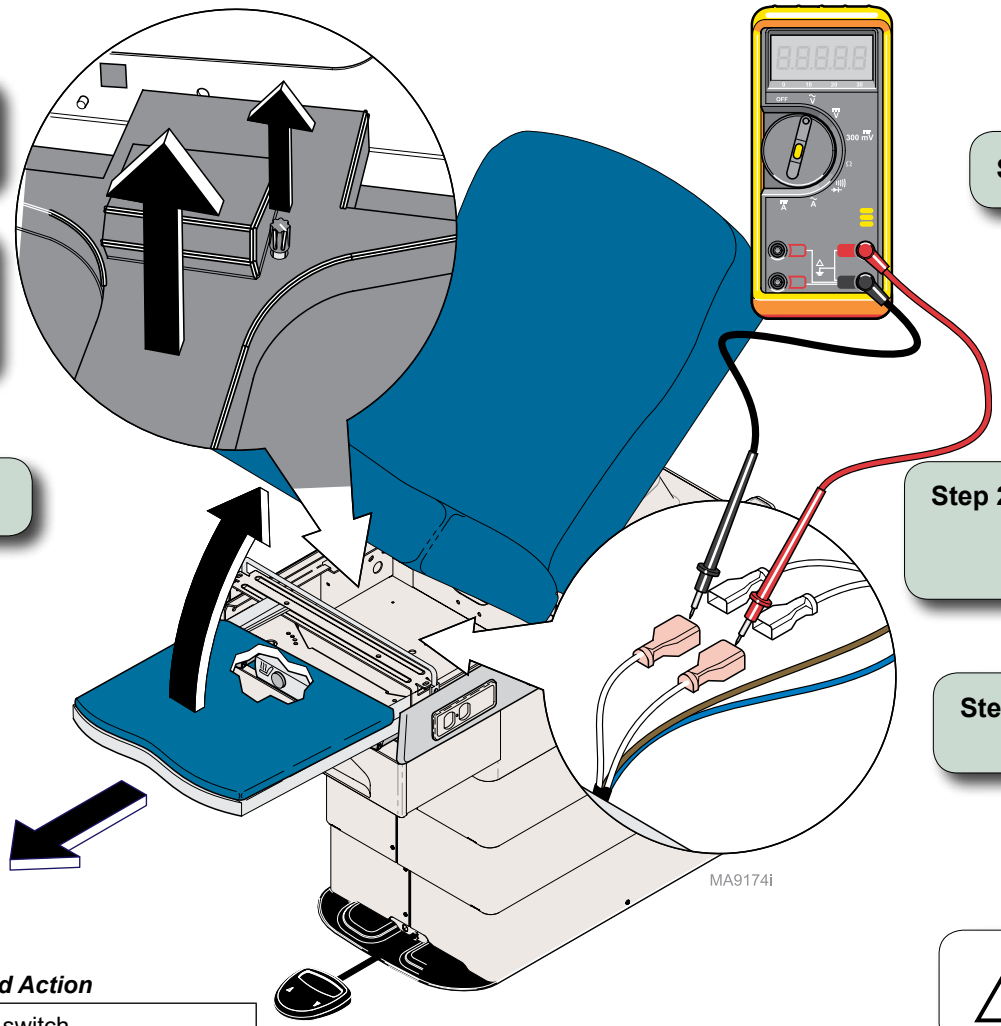
Heater Switch Replacement.....B-17
Heater Plate Test.....B-18
Chair Arm Brace Removal.....C-8

Caution
Unplug power cord before removing stirrup guide.

Step 1: Remove stirrup guide.

Note: If necessary, remove chair arm brace (see Access Procedures).

Step 7: Replace stirrup guide.



Step 3: Set meter to 200 VAC.

Step 4: Place meter probes on two white leads from switch.

Step 2: Disconnect two white leads from drawer heater switch to the drawer heater.

Step 5: Plug in power cord, then depress switch ON.

Meter Reading	*Required Action*
0 VAC	Replace switch.
approx. 115 VAC	Switch - OK Perform *Heater Plate test*

Caution
Unplug power cord before re-connecting electrical leads.

Step 6: Re-connect electrical leads.

Models:	***625 (-001 /-003 /-004 /-006)***	
Serial Numbers:	*all*	

 [Revised: 2/10/14]

Always verify model & serial number

Access Procedures
Chair Arm Brace Removal.....C-8

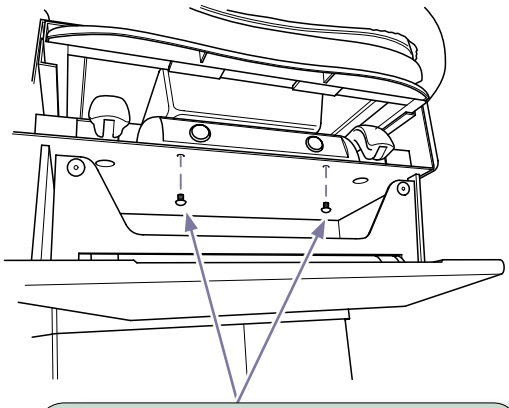
Heater Switch Replacement

(This procedure also applies to the upholstery heater switch)

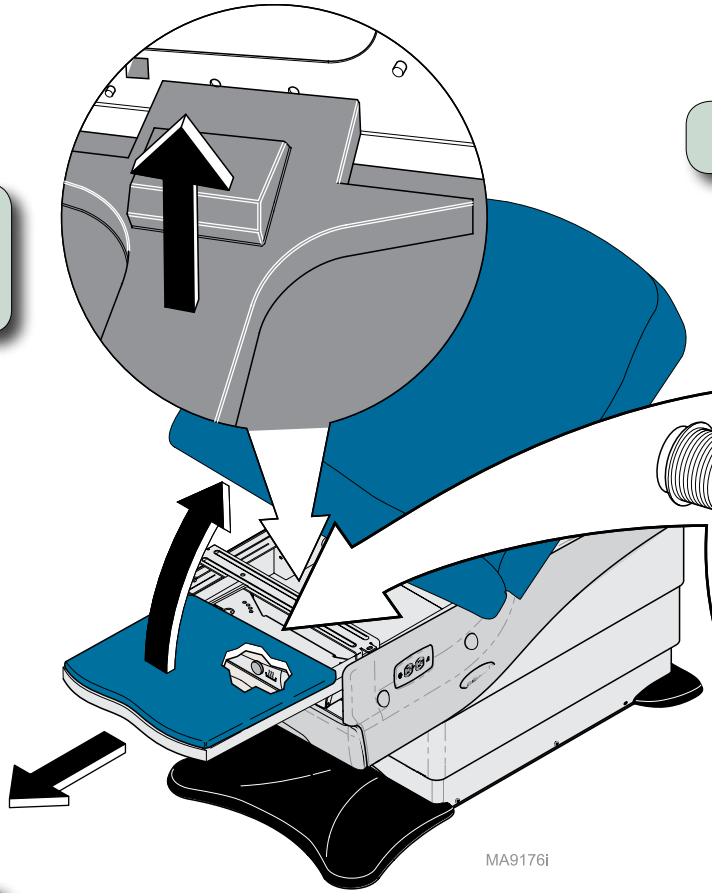
> ***Caution***
> *Unplug power cord before removing stirrup guide.*

Step 1: Remove stirrup guide.

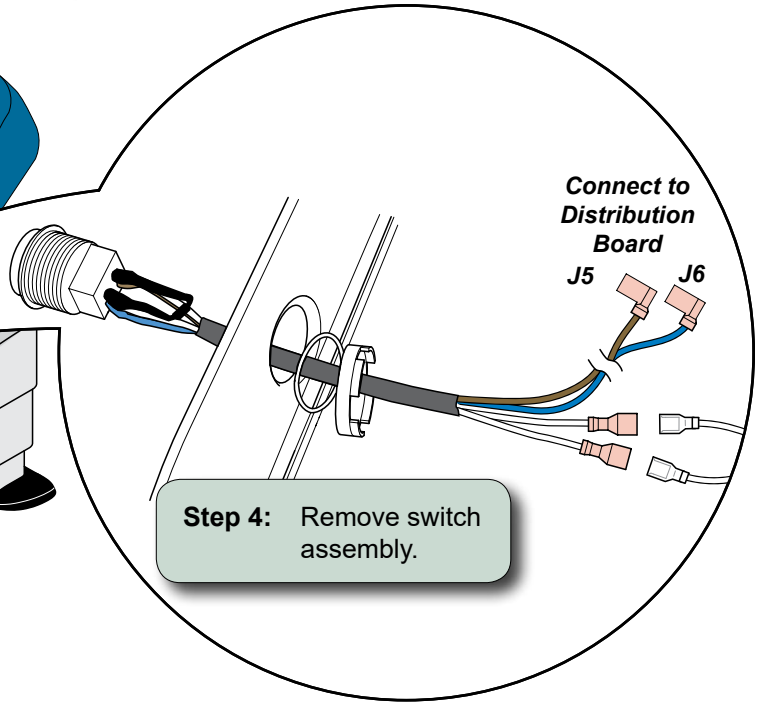
Note: If necessary, remove chair arm brace (see Access Procedures).



Step 3: Remove switch housing.



Step 2: Disconnect switch harness.



Step 4: Remove switch assembly.

Step 5:
A) Install switch assembly.
B) Install switch housing.
C) Re-connect switch harness.
D) Replace stirrup guide.

Models:	***625 (-001 /-003 /-004 /-006)***	
Serial Numbers:	*all*	

Always verify model & serial number

Drawer Heater System - continued

Heater Plate Test

Access Procedures
Chair Arm Brace Removal.....C-8

Caution
Unplug power cord before removing stirrup guide.

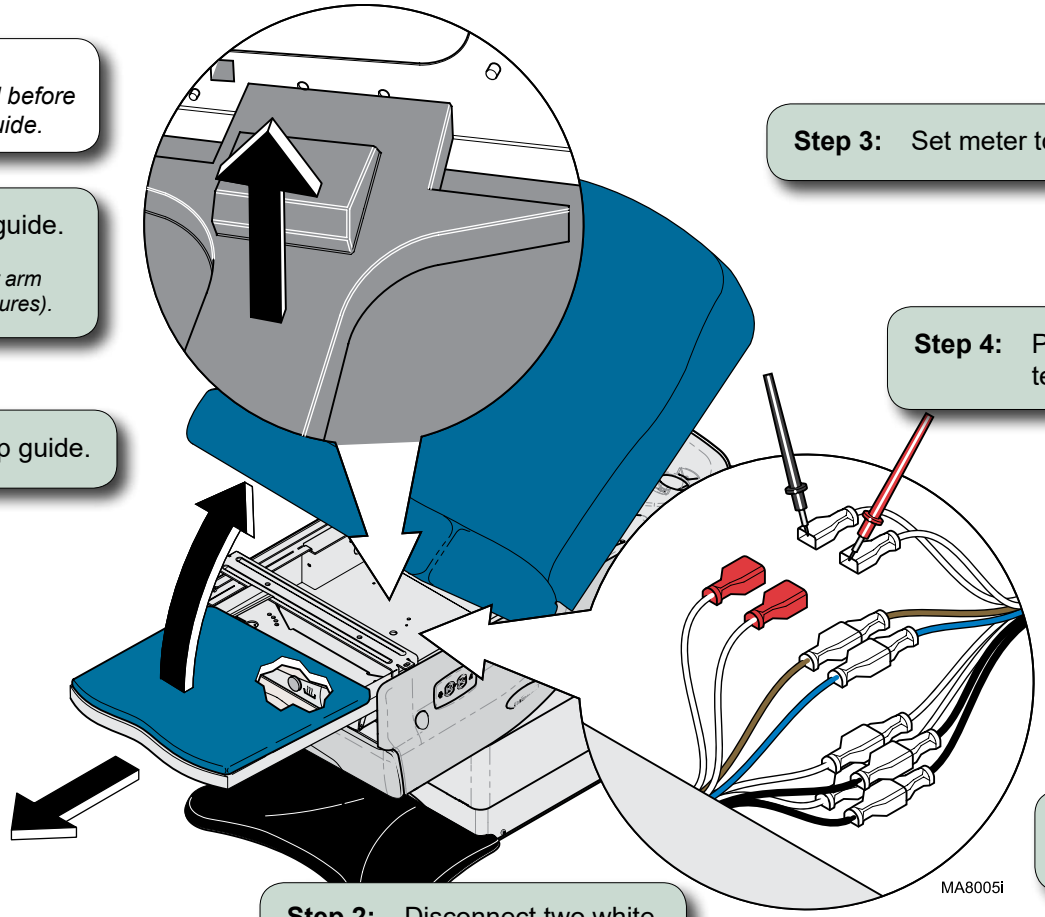
Step 1: Remove stirrup guide.

Note: If necessary, remove chair arm brace (see Access Procedures).

Step 3: Set meter to 2K Ω.

Step 4: Place meter probes on terminals of heater plate wires.

Step 6: Replace stirrup guide.



Step 5: Re-connect electrical leads.

Step 2: Disconnect two white leads from drawer heater switch to the drawer heater.

Meter Reading	*Required Action*
approx. 360 ohms	Heater plate - OK.
0 ohms	Replace Heater Plate.

Models:	***625 (-001 /-003 /-004 /-006)***	
Serial Numbers:	*all*	

Always verify model & serial number

Drawer Heater System - continued

Heater Plate Replacement

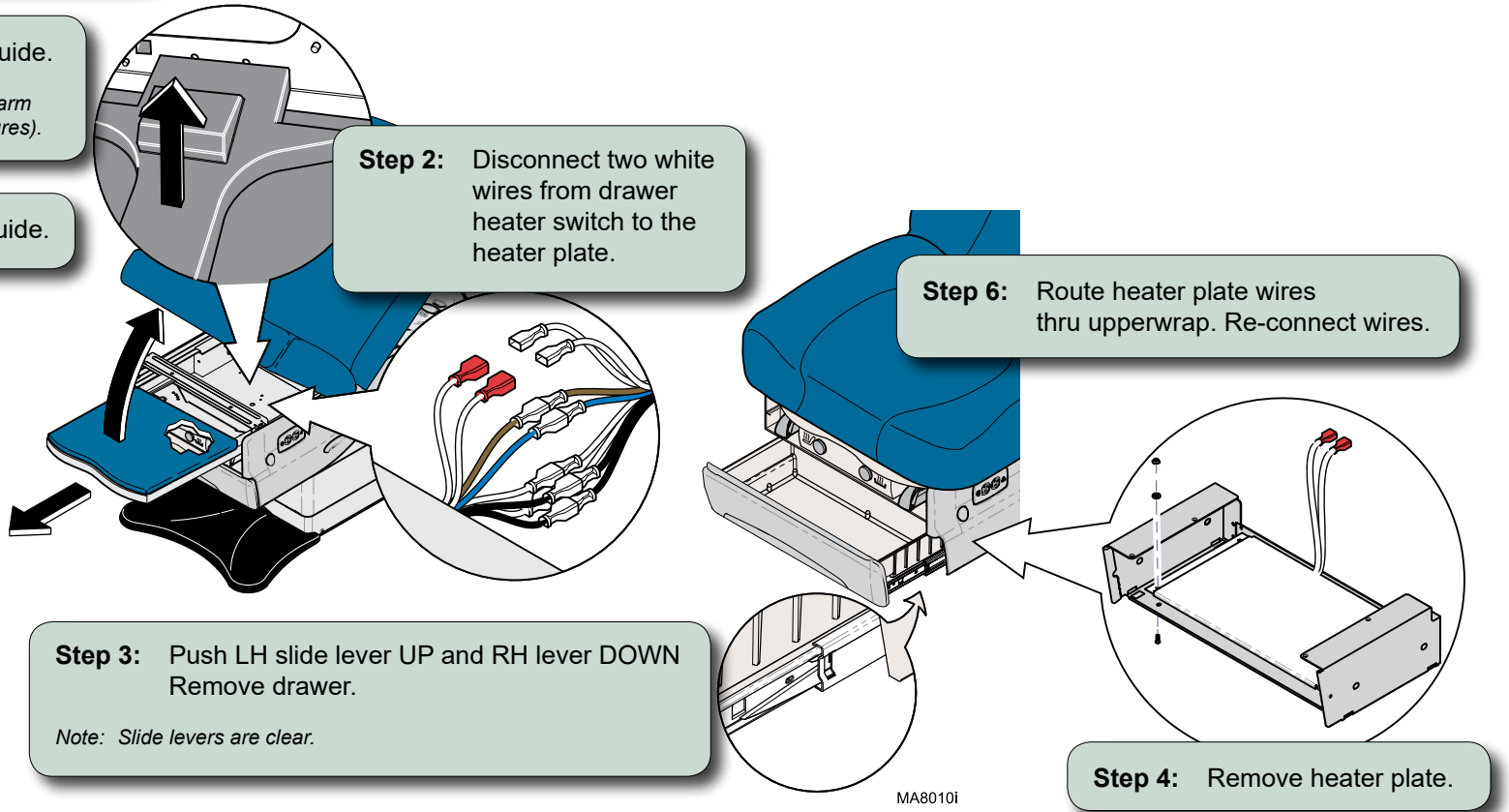
Access Procedures
Chair Arm Brace Removal.....C-8

Caution
Unplug power cord before removing stirrup guide.

Step 1: Remove stirrup guide.

Note: If necessary, remove chair arm brace (see Access Procedures).

Step 8: Replace stirrup guide.



Step 2: Disconnect two white wires from drawer heater switch to the heater plate.

Step 6: Route heater plate wires thru upperwrap. Re-connect wires.

Step 3: Push LH slide lever UP and RH lever DOWN Remove drawer.

Note: Slide levers are clear.

MA8010i

Step 4: Remove heater plate.

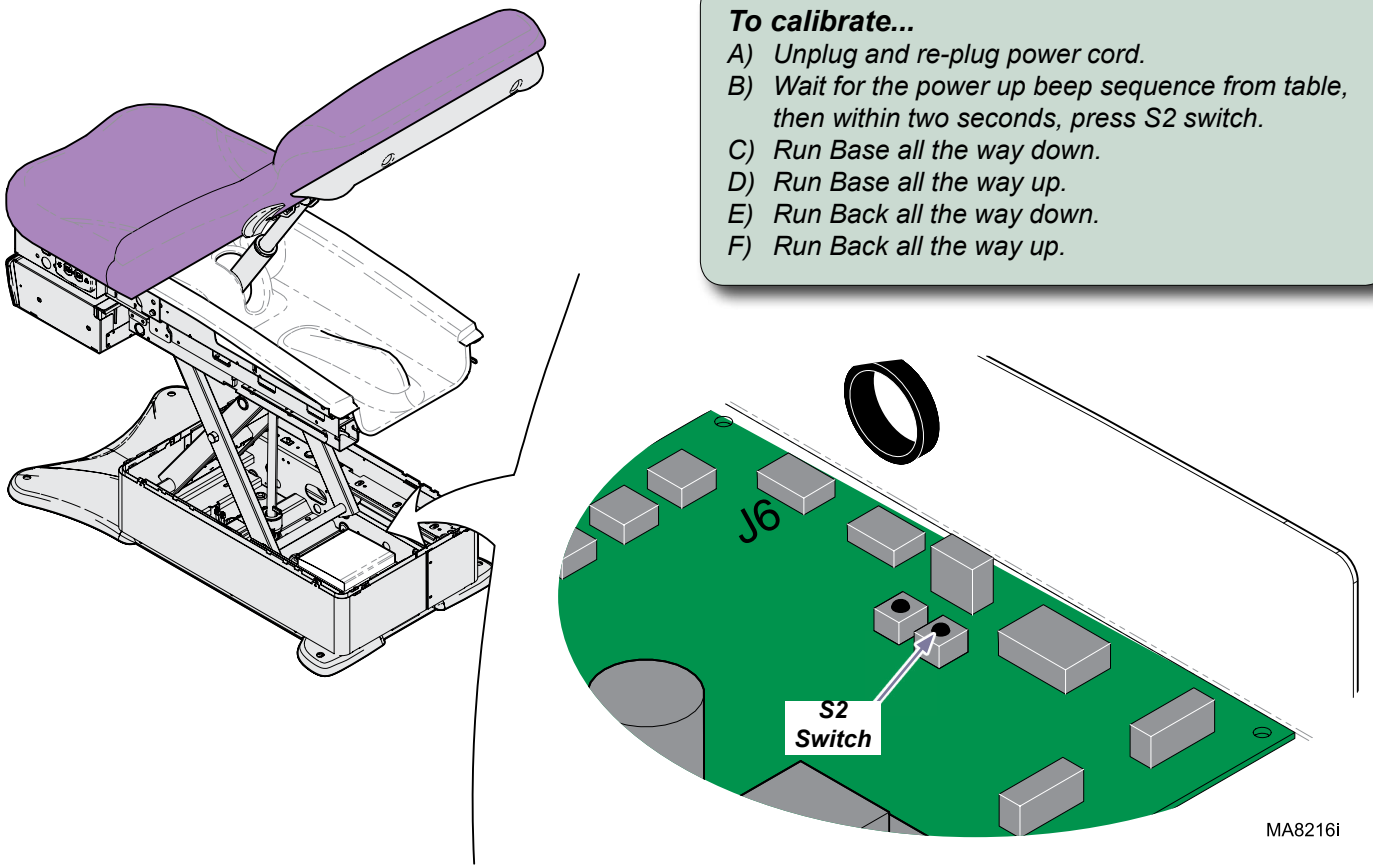
Step 7: Install drawer.

Step 5: Install heater plate.

Models:	***625 (-001 /-003 /-004 /-006)***	
Serial Numbers:	*all*	

Note
When S2 switch is pressed you will hear a steady pattern of "beeps". When calibration is completed you will hear three short beeps.

To calibrate...
A) Unplug and re-plug power cord.
B) Wait for the power up beep sequence from table, then within two seconds, press S2 switch.
C) Run Base all the way down.
D) Run Base all the way up.
E) Run Back all the way down.
F) Run Back all the way up.



Scale Calibration Procedure (625-004 only)

Note
If abort message is displayed, unplug table for 60 seconds. Remove and reinstall hand control batteries, then repeat step 1.

Step 1:
A) Remove any load from the patient surface.
B) Press and hold the Weight and Plus buttons until "Pause" is displayed for at least one second, then release buttons.

Weight Button **Plus Button**

Step 2:
A) When "CLrAL" is displayed, firmly press and release the plus button.
B) After count down, "Ad50" will be displayed.

Note: If something other then "Ad50" is displayed, press the weight button until "Ad50" is displayed. (Early units may display "Add 50").

Plus Button

Step 3:
A) Place fifty pound calibrated weight on patient surface.
B) Firmly press and release the plus button.
Note: After count down "donE" will be displayed.

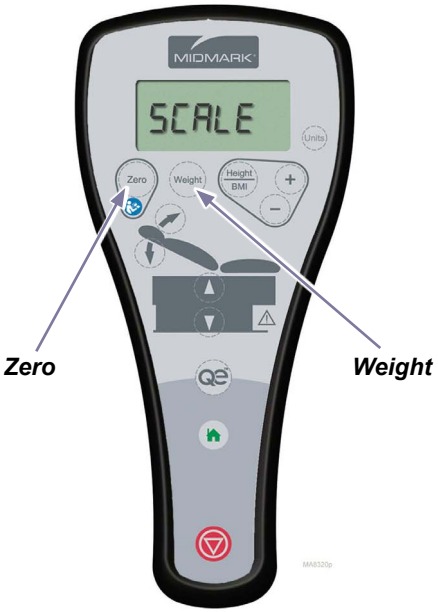
Plus Button

Step 4:
A) **Wait until display clears**, then firmly press and release the weight button.
Note:"50 lbs" should be displayed.
B) Remove calibrated weight.

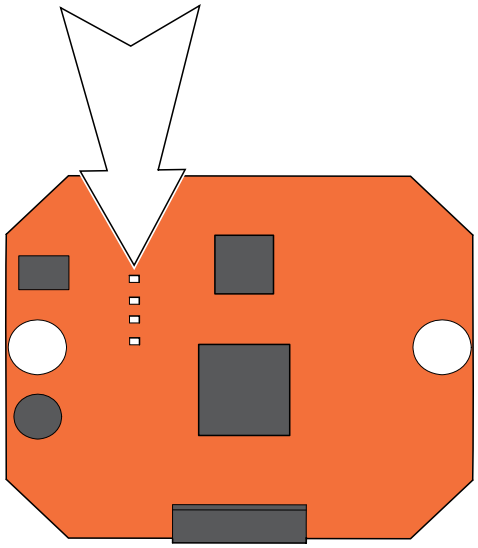
Weight Button

Hand Control PC Board LED Test (625-004 only)

When “Zero” or “Weight” is pressed, the Hand Control transmits the request through the antenna to the Base Station.
Hand Control D10 flashes green.



LEDs	***Normal Status***
	D9 ON (green) during Hand Control power up
	D10 ON (green) flashes when button on Hand Control is pressed
	D11 ON (green) during Hand Control power up (ON (green) flashes when information is received from Base Station)
	D12 Not Used

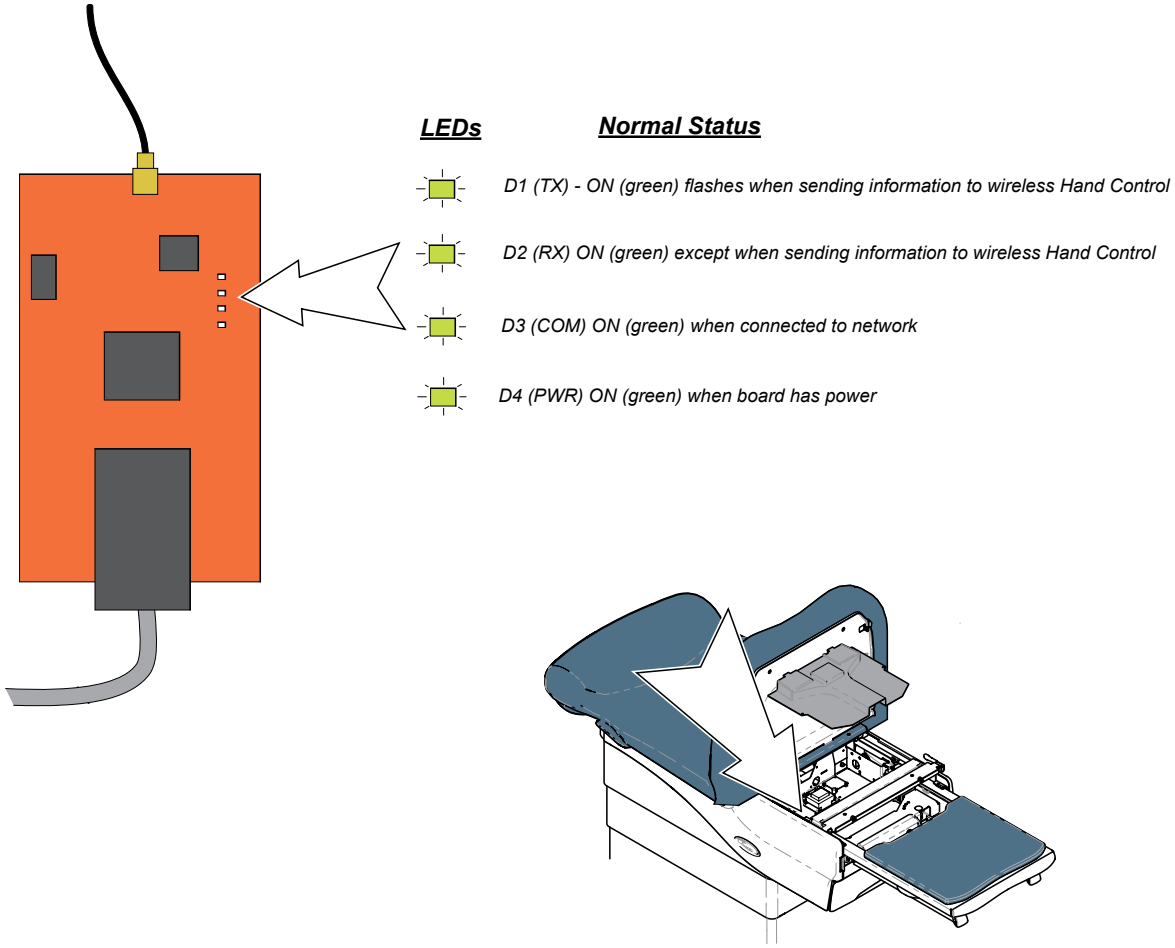


MA9995i

Wireless Base Station PC Board LED Test (625-004 only)

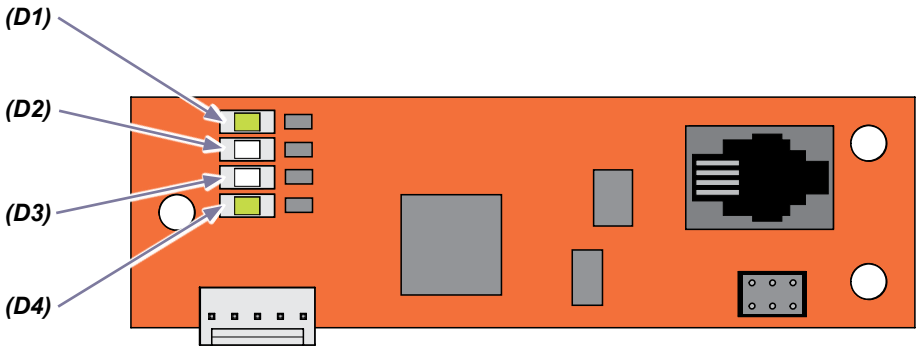
When the Wireless Base Station PC board receives request through the antenna, the request is forwarded to the Main PC board through the LIN to VMS PC board. Main PC board D9 flashes green (if “Zero” button is pressed, D10 also illuminates red).

The Wireless Base Station sends acknowledgement of request to Hand Control PC board through the antenna.
Wireless Base Station PC board D1 (TX) flashes green, Hand Control PC board D11 flashes green.

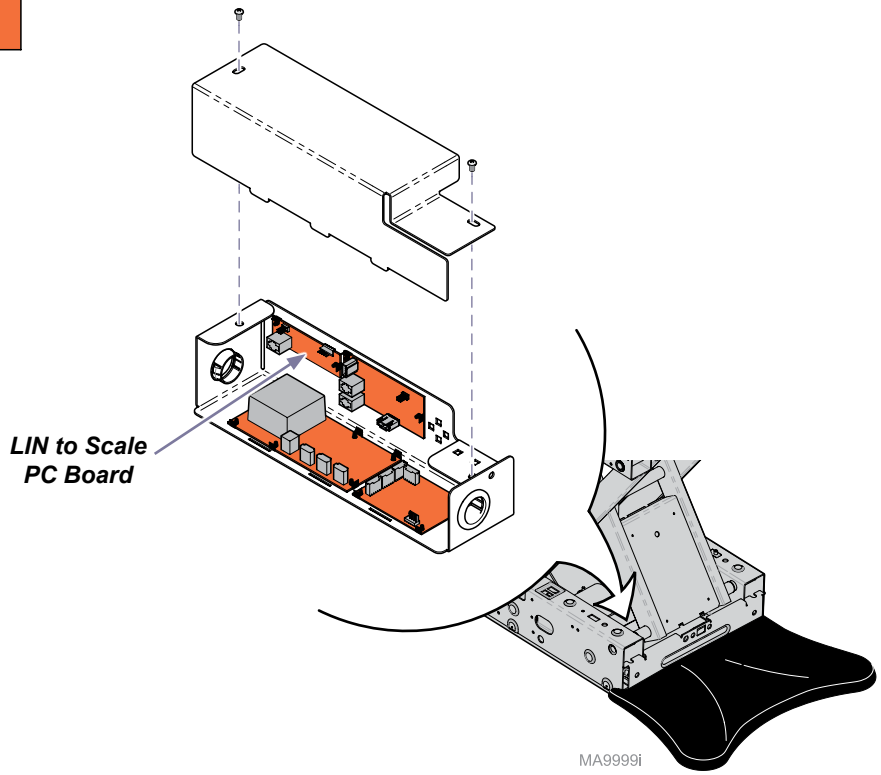


LIN to Scale PC Board LED Test (625-004 only)

The LIN to Scale PC board request weight data from the Scale PC board.
The LIN to Scale PC board sends weight data to the Main PC board through the 625 to USB PC board.

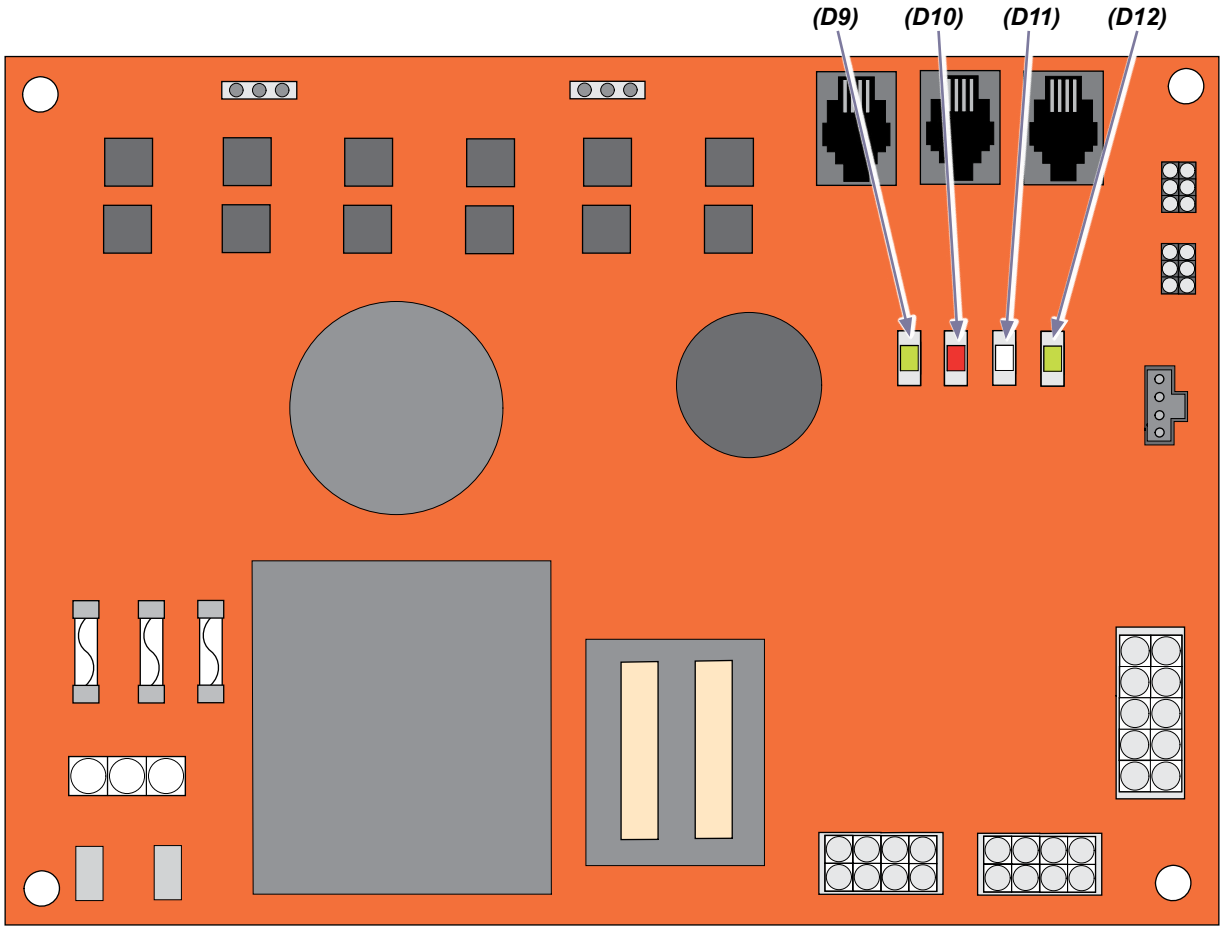


LEDs	***Normal Status***
	D1 ON (green) flashes when board has power
	D2 Not Used
	D3 Not Used
	D4 ON (green) communicating (always on)



Main PC Board LED Test (625-004 only)

The Main PC board forwards request to the LIN to Scale PC board through the 625 to USB PC board.
The Main PC board sends weight data to the Wireless Base Station PC board through the LIN to VMS PC board.

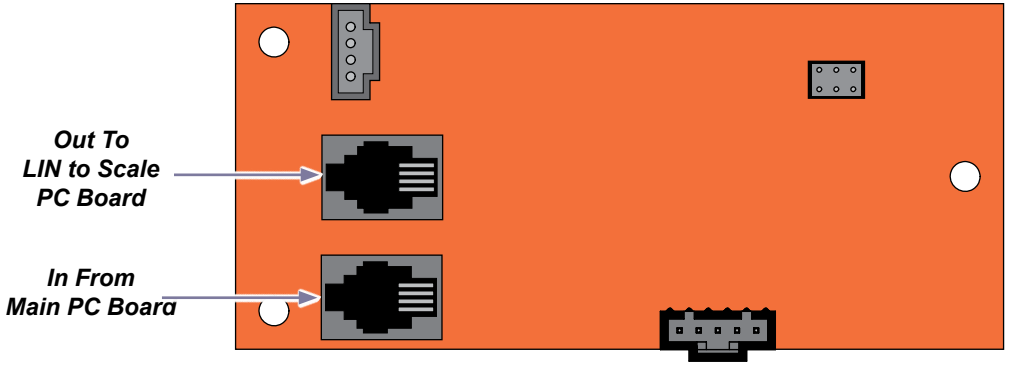


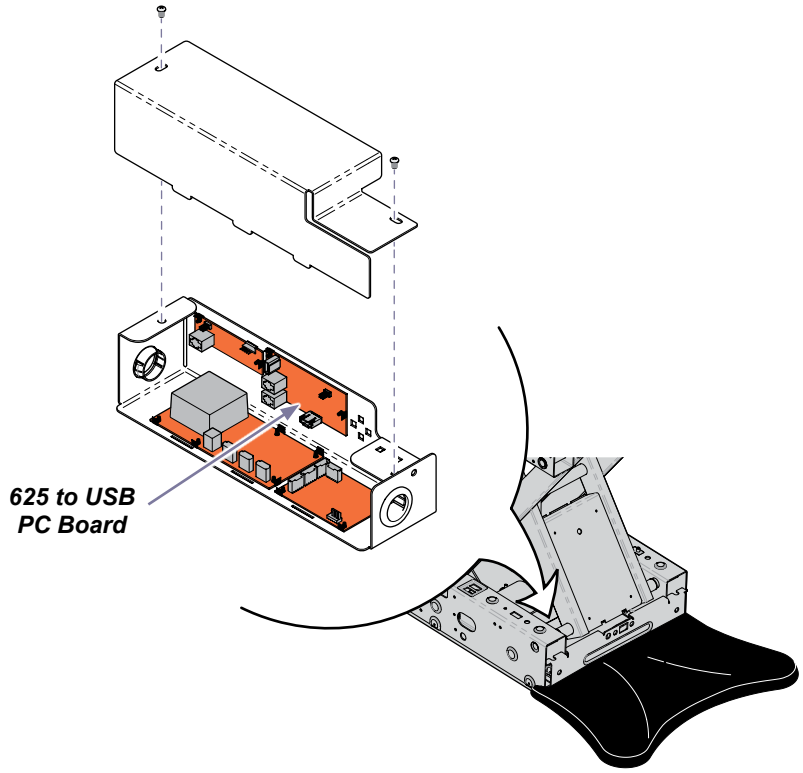
LEDs	***Normal Status***
	D9 ON (green) flashes while any button is pressed (With wireless control only)
	D10 ON (red) when "Zero" is pressed (Remains ON until another button is pressed)
	D11 Not Used
	D12 ON (green) when board has power

MA10000i

625 to USB PC Board Test (625-004 only)

The 625 to USB PC board relays request from the Main PC board to the LIN to Scale PC board.

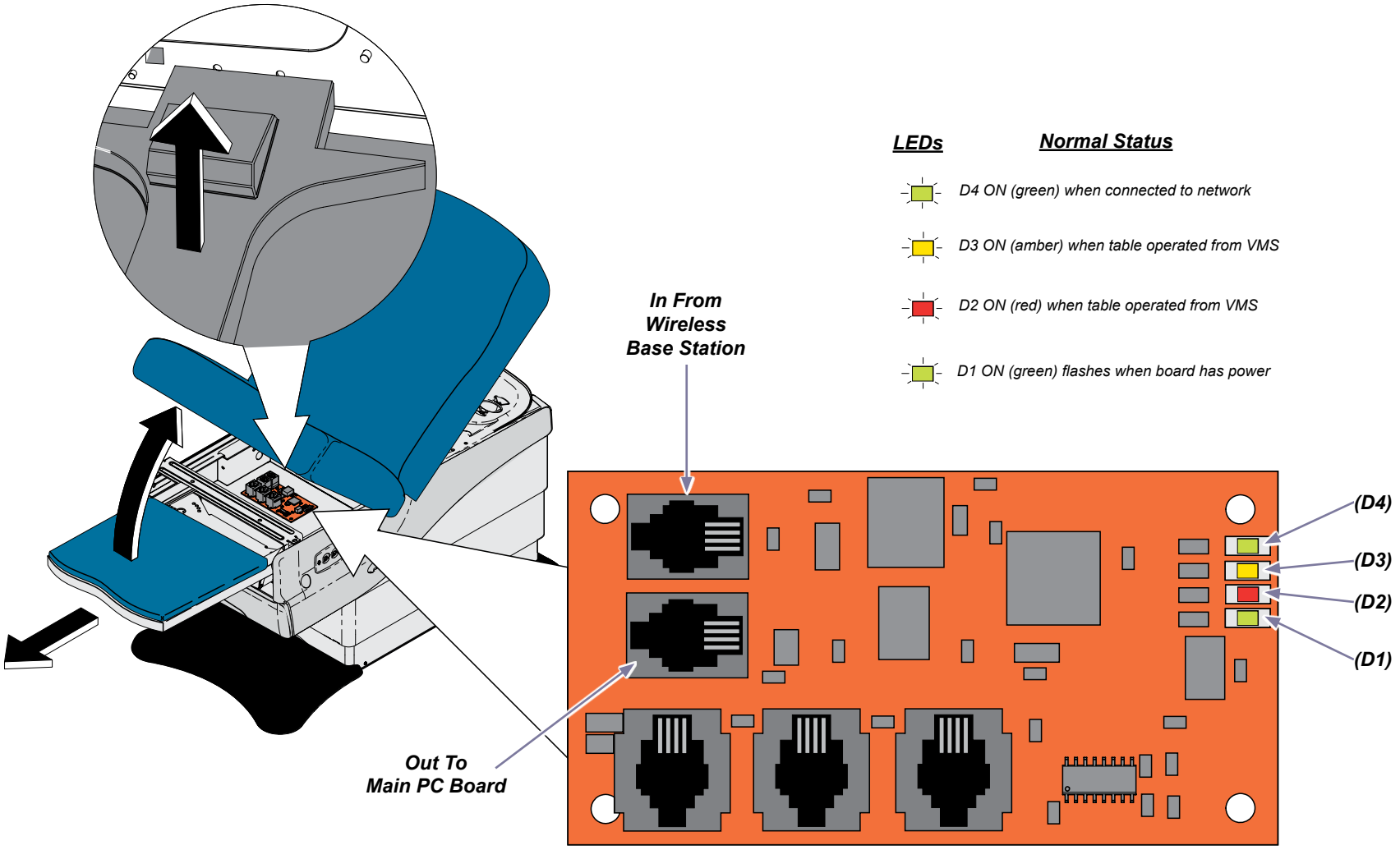




MA100001

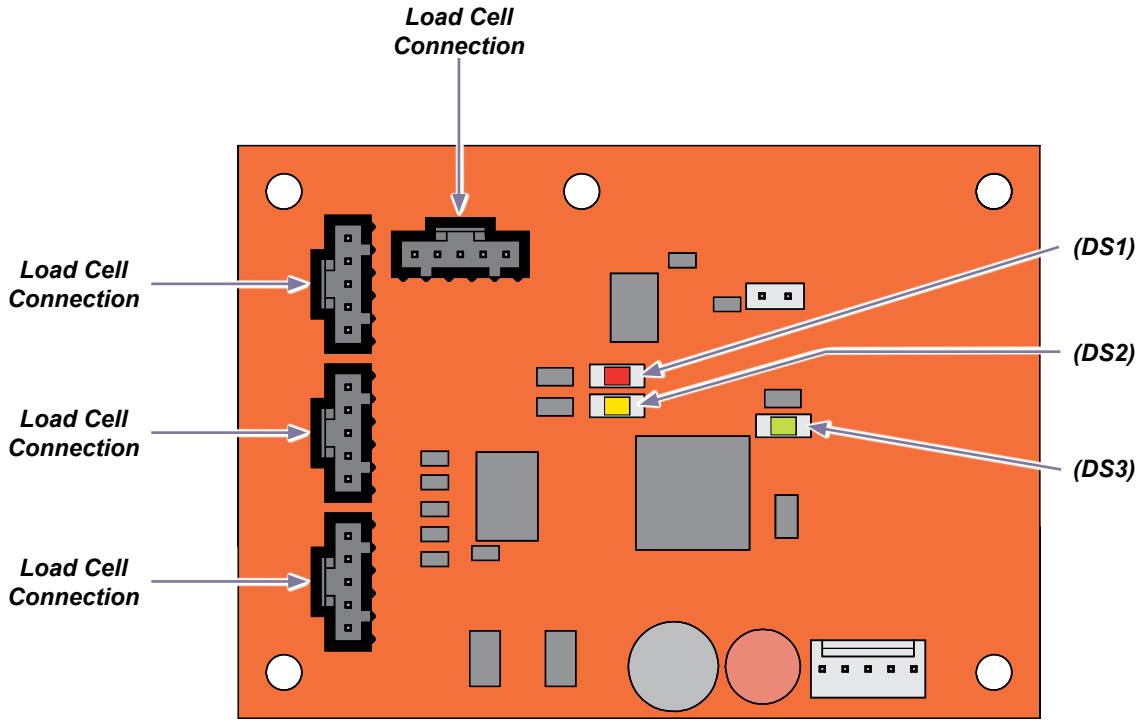
LIN to VMS PC Board LED Test (625-004 only)

Relays information from the Wireless Base Station PC Board to Main PC Board.



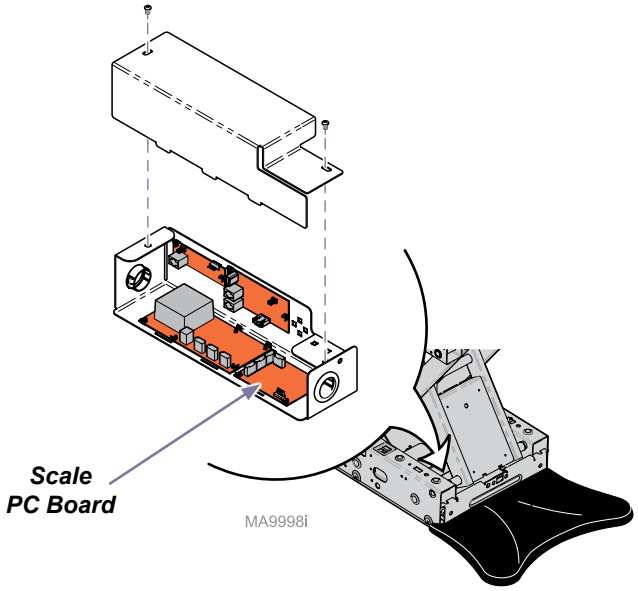
Scale PC Board LED Test (625-004 only)

Scale PC board receives request from LIN to Scale PC board - DS1 flashes red.
Scale PC board gathers weight data from load cells.
Weight data from load cells is forwarded to the LIN to Scale PC board - DS2 flashes amber.



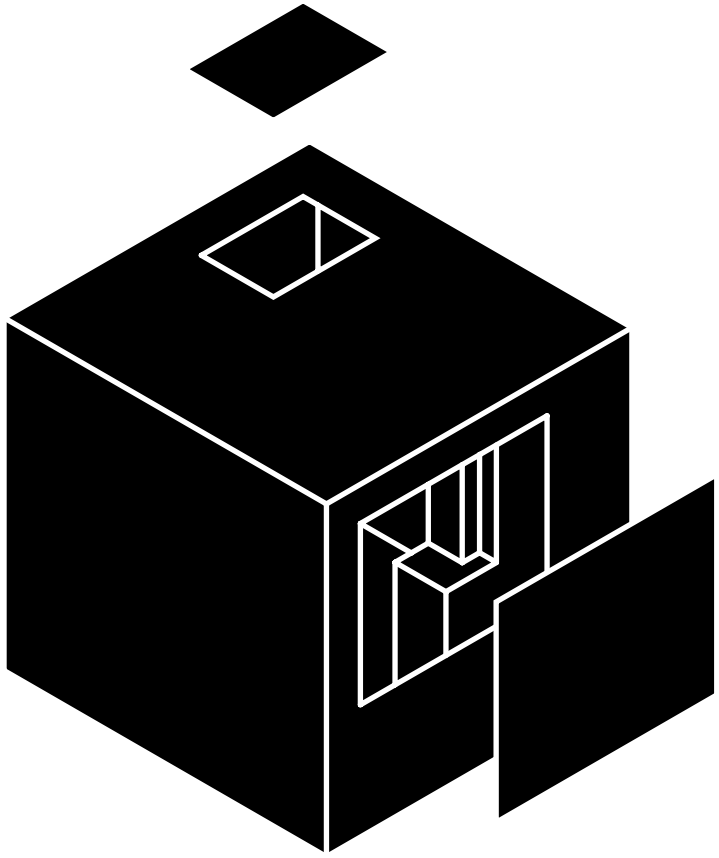
LEDs **Normal Status**

- DS1 ON (red) flashes when receiving request from LIN to Scale board
- DS2 ON (amber) flashes when sending information to LIN to Scale board (Occurs approximately two times per second)
- DS3 Flash (green) when board has power



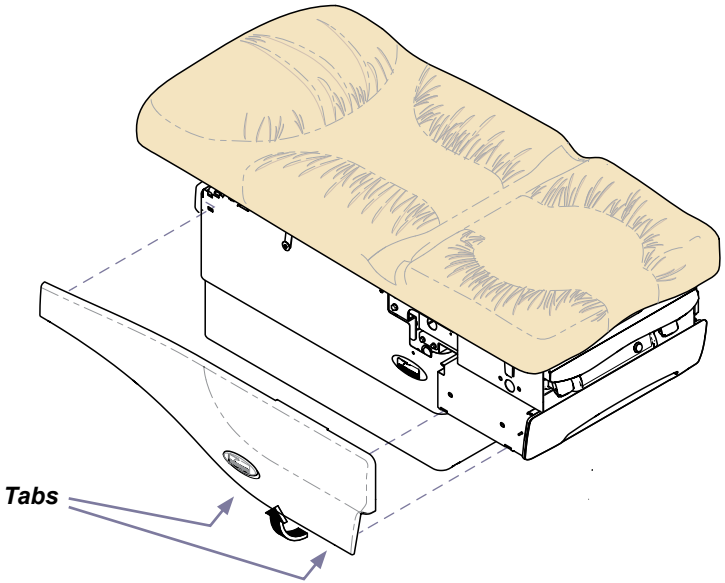
Section C

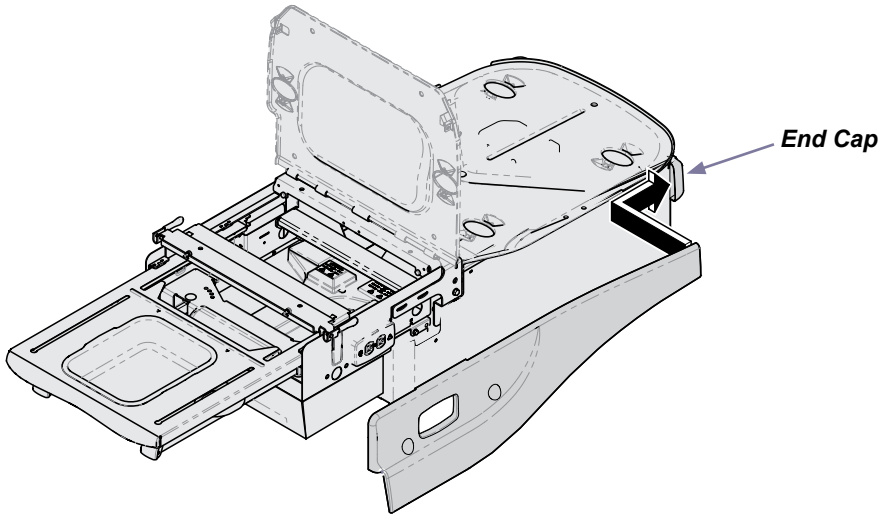
Access Procedures



Cladding

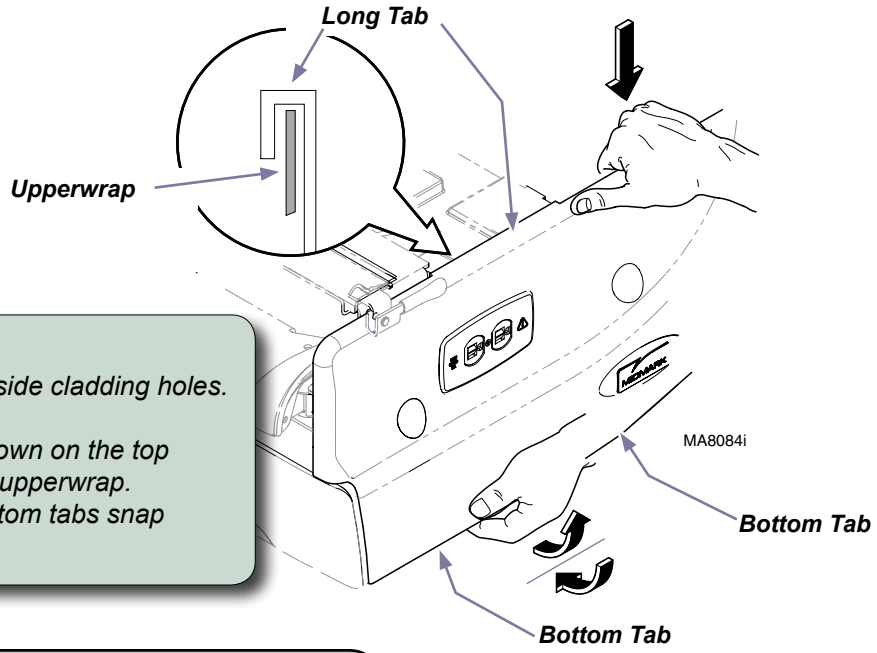
Removal / Installation





To remove cladding...

A) Press two tabs.
B) Pull bottom of cladding away from table.
C) Lift cladding up to remove.



To install cladding...

A) Insert tabs at head-end of cladding into side cladding holes.
B) Slide cladding over upperwrap.
C) Pull bottom of cladding out, then push down on the top to engage the long tab onto top edge of upperwrap.
D) Push bottom of cladding in, until two bottom tabs snap into place.

Models:	625	
Serial Numbers:	all	

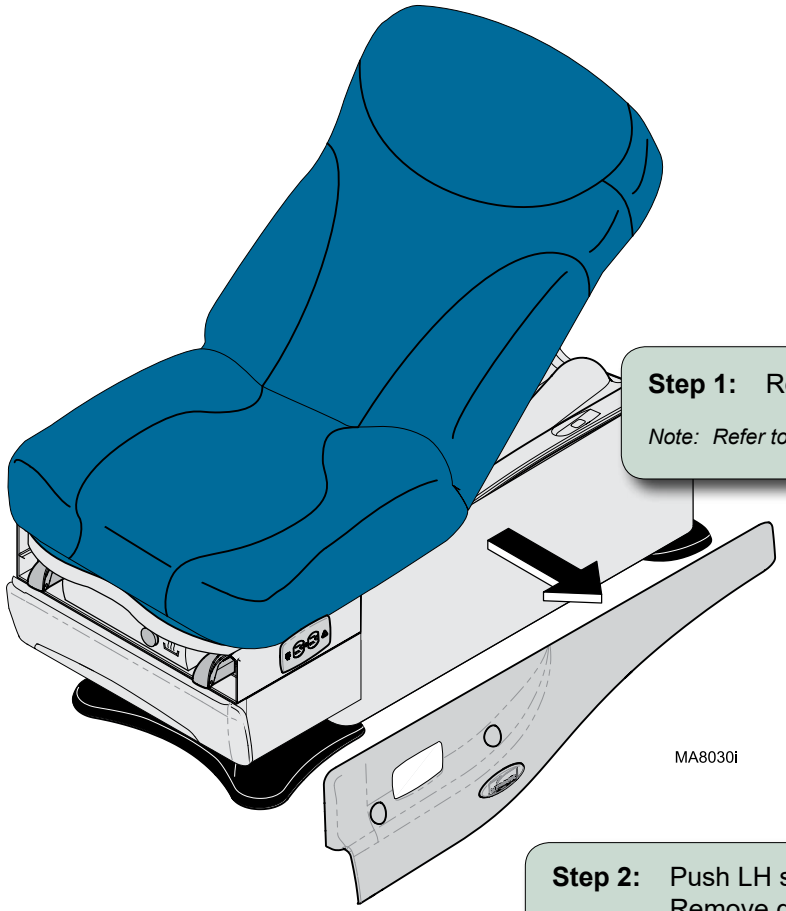
Always verify model & serial number

Table Shrouds

Cladding Removal / Installation C-2

Removal / Installation

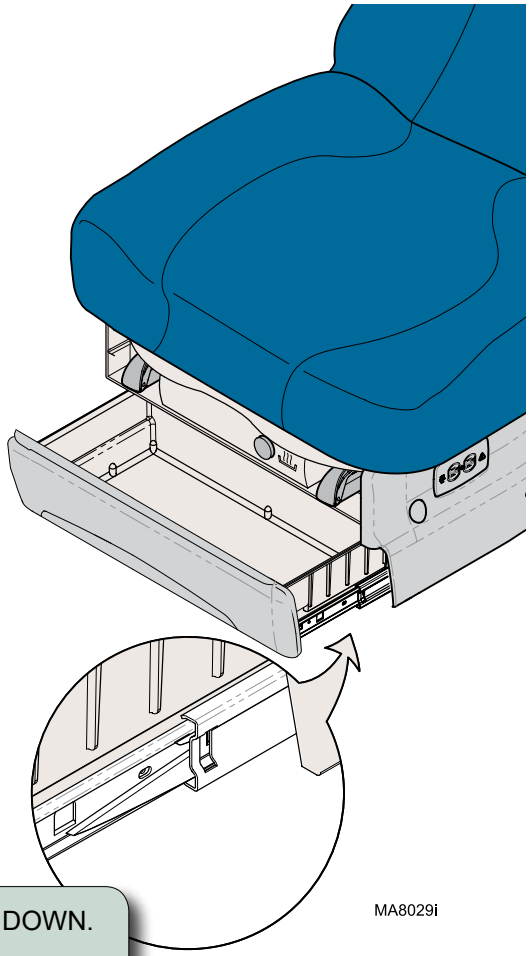
Note
Remove all accessories (ex. chair arms) before performing this procedure.



MA8030i

Step 1: Remove cladding.

Note: Refer to Cladding Removal / Installation.



MA8029i

Step 2: Push LH side lever UP and RH side lever DOWN. Remove drawer.

Note: Side levers are clear plastic.

Models:	625	
Serial Numbers:	all	

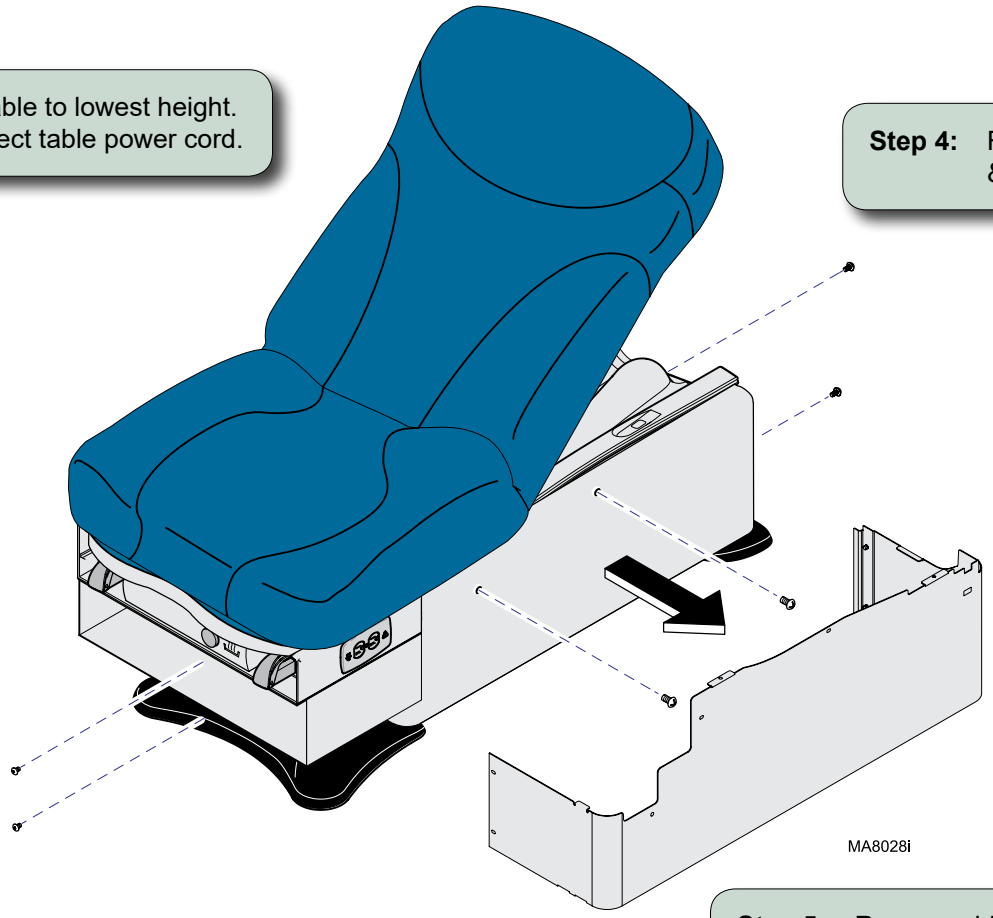
Always verify model & serial number

Table Shrouds - continued

Removal / Installation

Step 3: Lower table to lowest height. Disconnect table power cord.

Step 4: Remove screws from head-end & foot-end of outer shrouds.

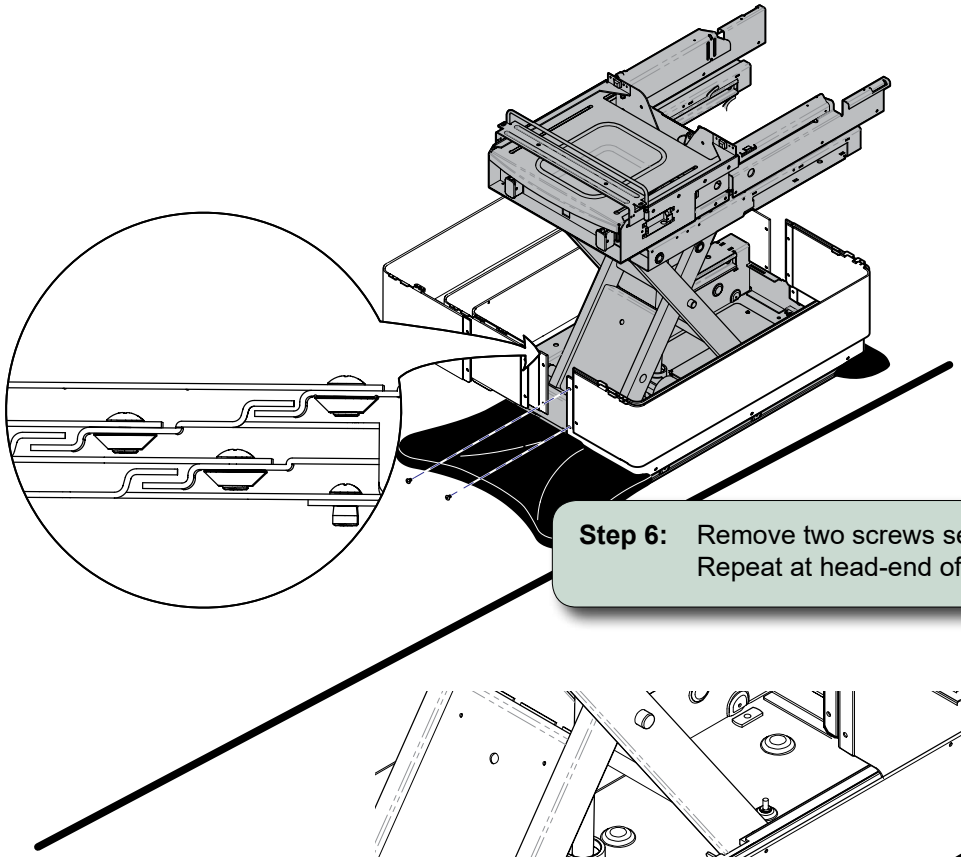


Step 5: Remove side screws & outer shroud. Repeat for other side.

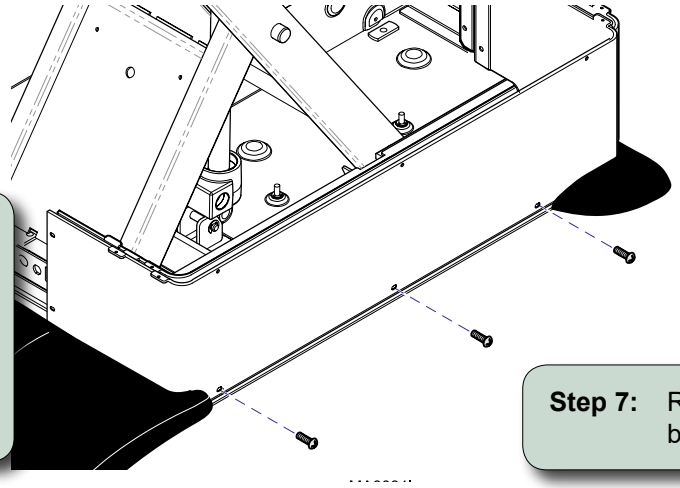
Models:	***625***	
Serial Numbers:	*all*	

Table Shrouds - continued

Removal / Installation



Step 6: Remove two screws securing each set of shrouds. Repeat at head-end of table.



Step 7: Remove six screws securing bottom of inner shroud.

To install shrouds...

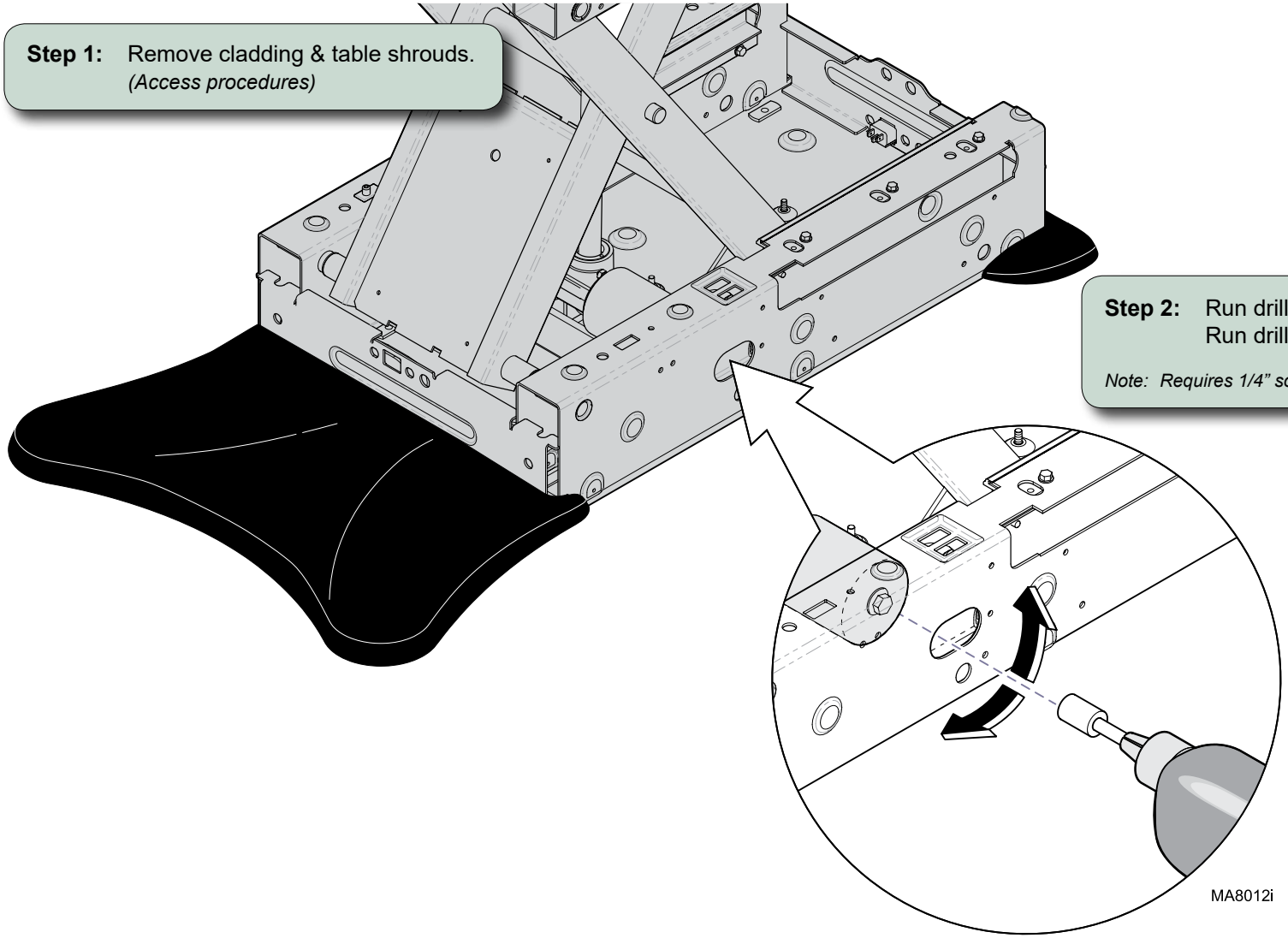
A) Install six screws securing bottom of inner shroud.
B) Install four screws securing each set of shrouds.
C) Install side screws & outer shrouds.
D) Install screws at head-end & foot-end of outer shrouds.
E) Install drawer.
F) Install cladding.

Models:	***625***	
Serial Numbers:	*all*	

Always verify model & serial number

Manually Raising / Lowering Table

Step 1: Remove cladding & table shrouds.
(Access procedures)



Step 2: Run drill in reverse to raise table.
Run drill forward to lower table.

Note: Requires 1/4" socket w/ extension.

MA8012i

Models:	625	
Serial Numbers:	all	

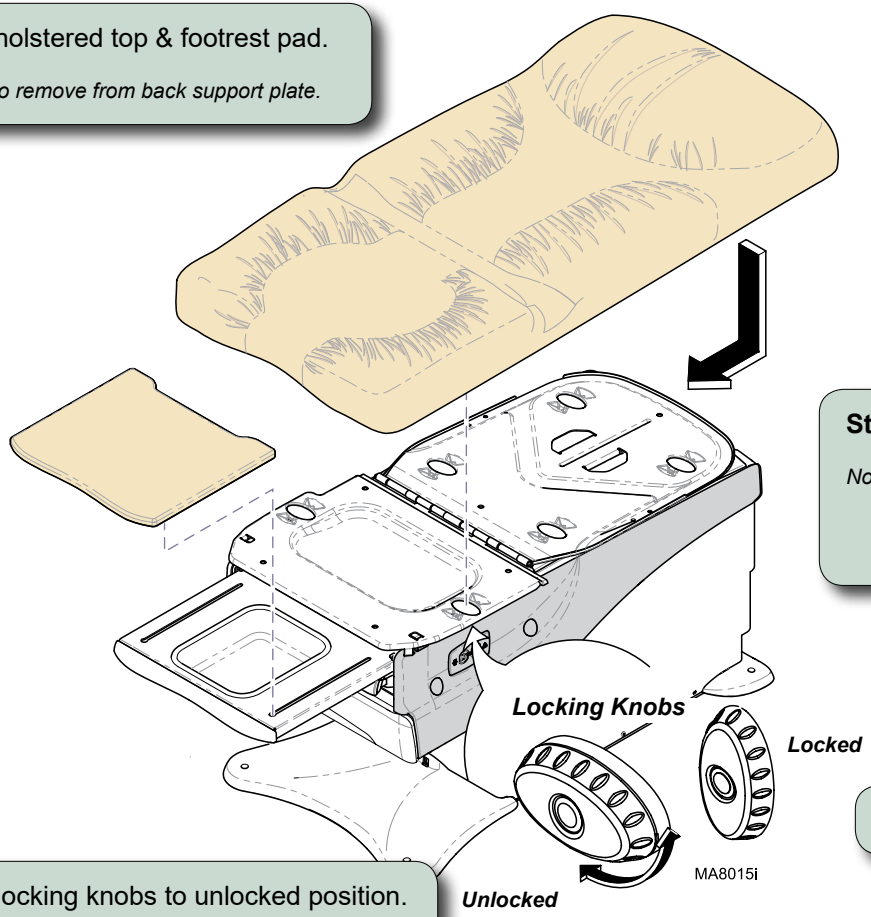
Always verify model & serial number

Upholstered Top

Removal / Installation

Step 2: Remove upholstered top & footrest pad.

Note: Slide upholstery up to remove from back support plate.



Step 3: Position upholstered top & footrest pad on table.

Note: Back support plate must slide under paper roll holder.

Be sure locking knobs align with holes in back / seat mounting plates.

Step 4: Rotate locking knobs to locked position..

Step 1: Rotate all locking knobs to unlocked position.

Note: There are four locking knobs under back section, and two locking knobs under seat section.

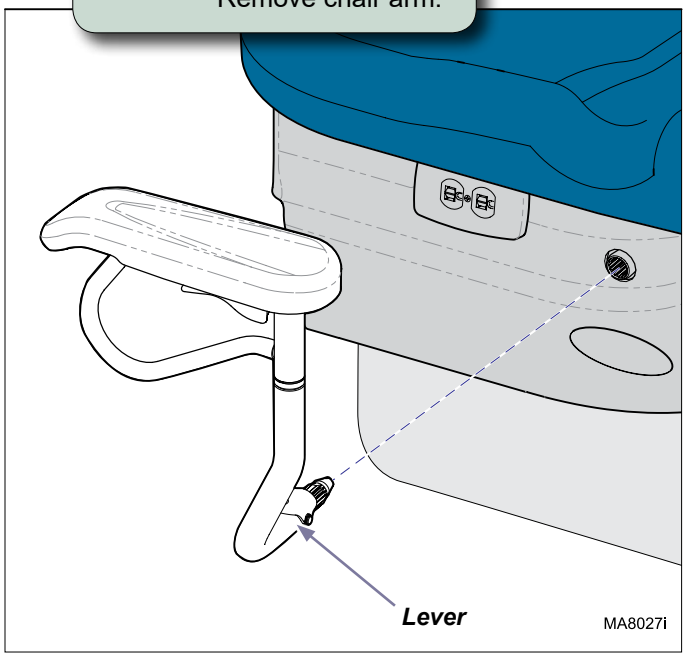
Models:	***625***	
Serial Numbers:	*all*	

Chair Arms / Brace (optional)

Removal

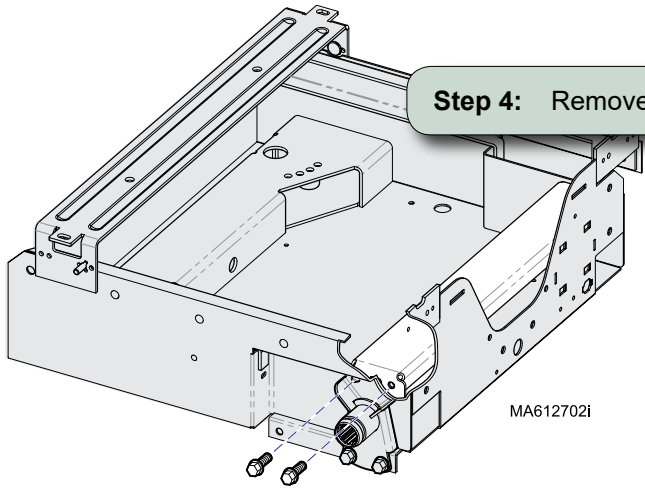
It may be necessary to remove the chair arm brace when performing certain procedures.

Step 1: Squeeze lever.
Remove chair arm.



Step 2: Remove cladding & table shrouds.

Step 4: Remove brace.



Step 3: Remove two screws.
Repeat on opposite side.

Models:	***625***	
Serial Numbers:	*all*	

Top Cover (Back Limit Switch Access)

Removal / Installation

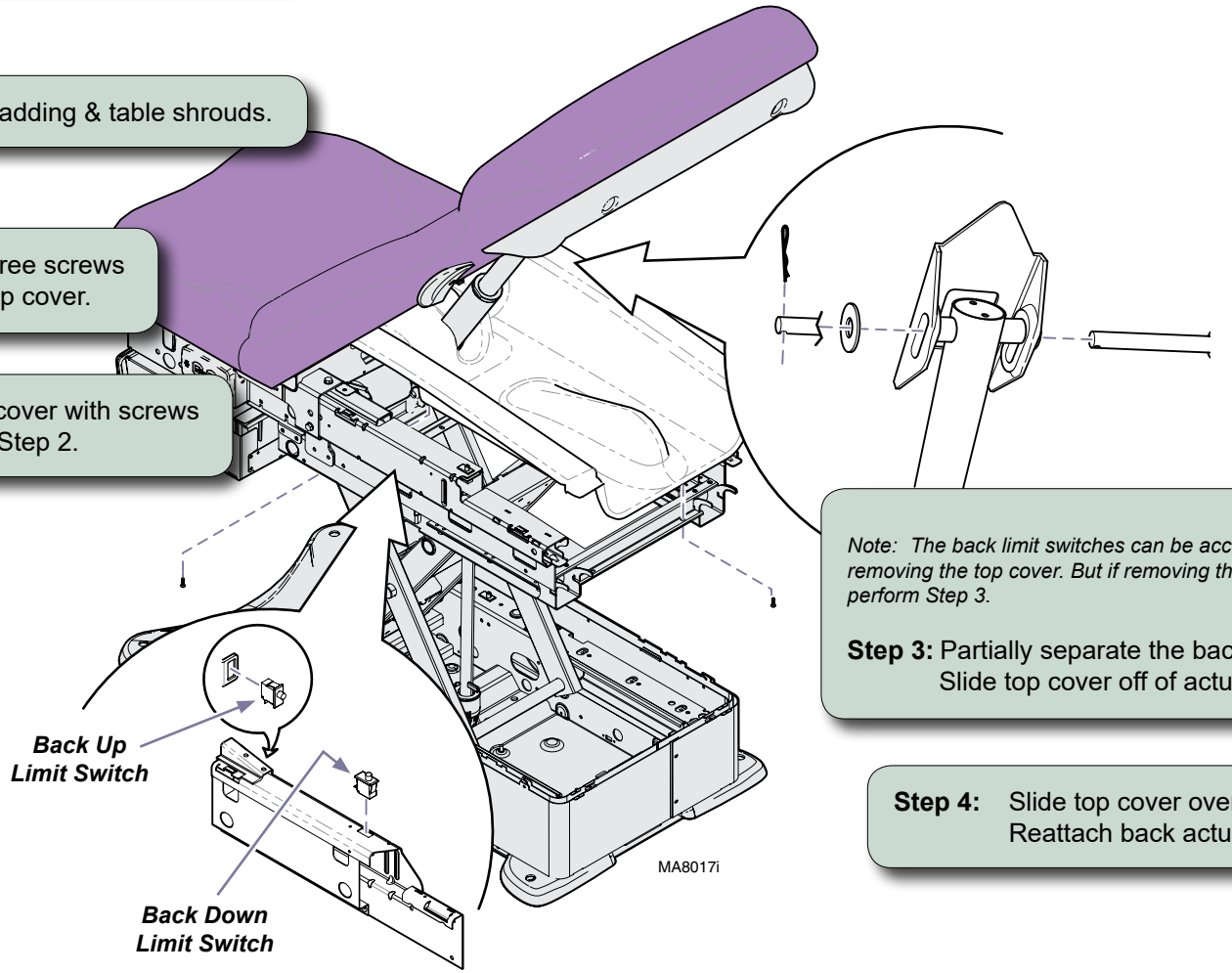
Cladding Removal / Installation C-2
Table Shrouds
Removal / Installation C-3

Step 1: Remove cladding & table shrouds.

Step 6: Reattach cladding & table shrouds.

Step 2: Remove three screws securing top cover.

Step 5: Secure top cover with screws removed in Step 2.



Note: The back limit switches can be accessed without completely removing the top cover. But if removing the cover is necessary, perform Step 3.

Step 3: Partially separate the back lift actuator as shown. Slide top cover off of actuator.

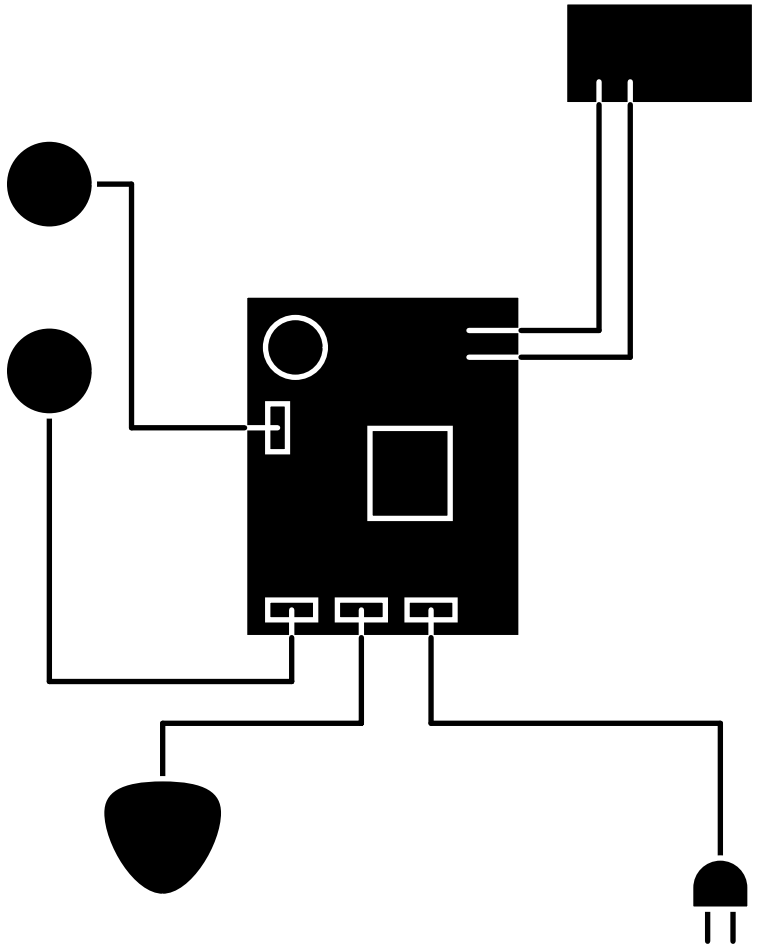
Step 4: Slide top cover over back actuator. Reattach back actuator.

Models:	***625***	
Serial Numbers:	*all*	

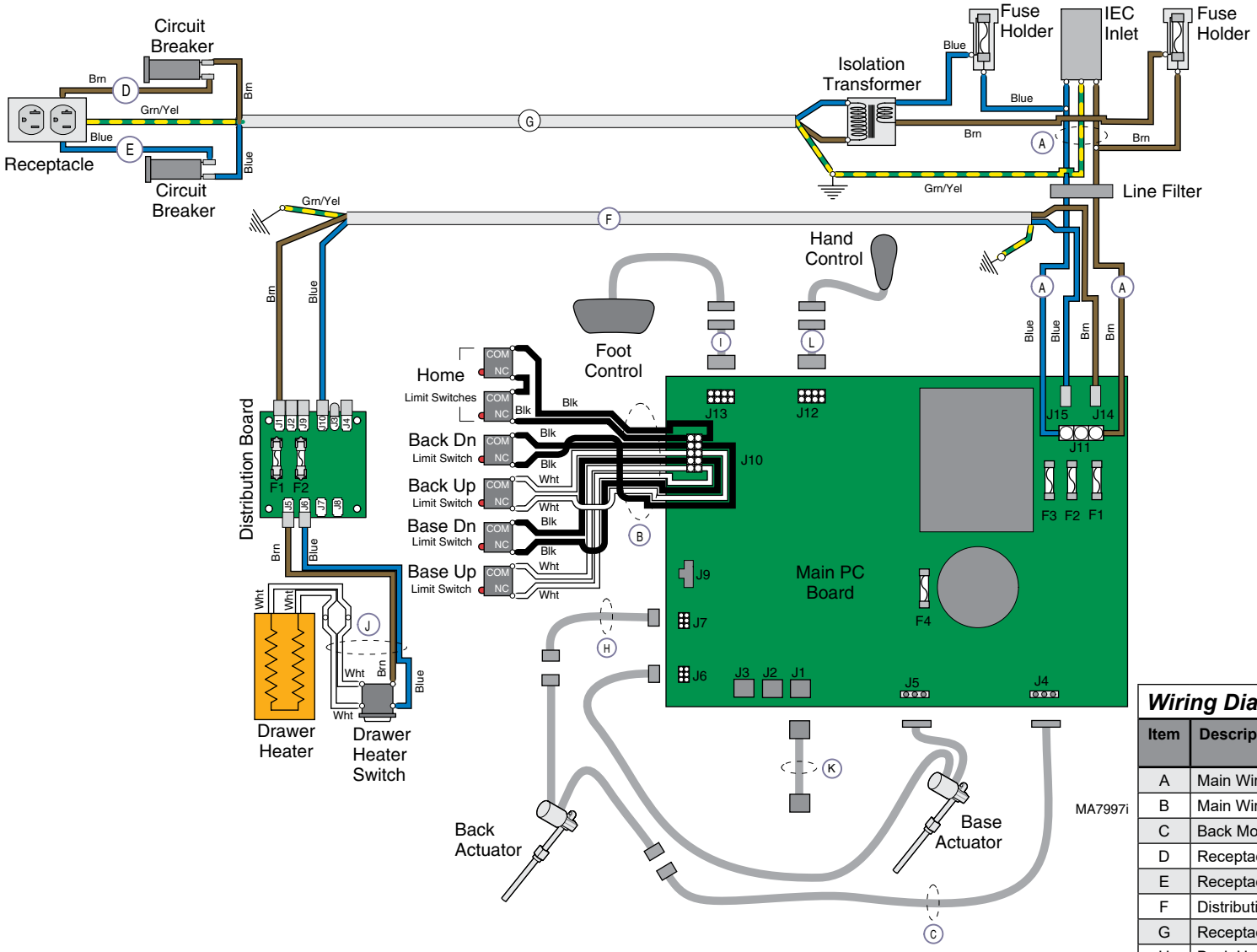
Always verify model & serial number

Section D

Wiring Diagrams



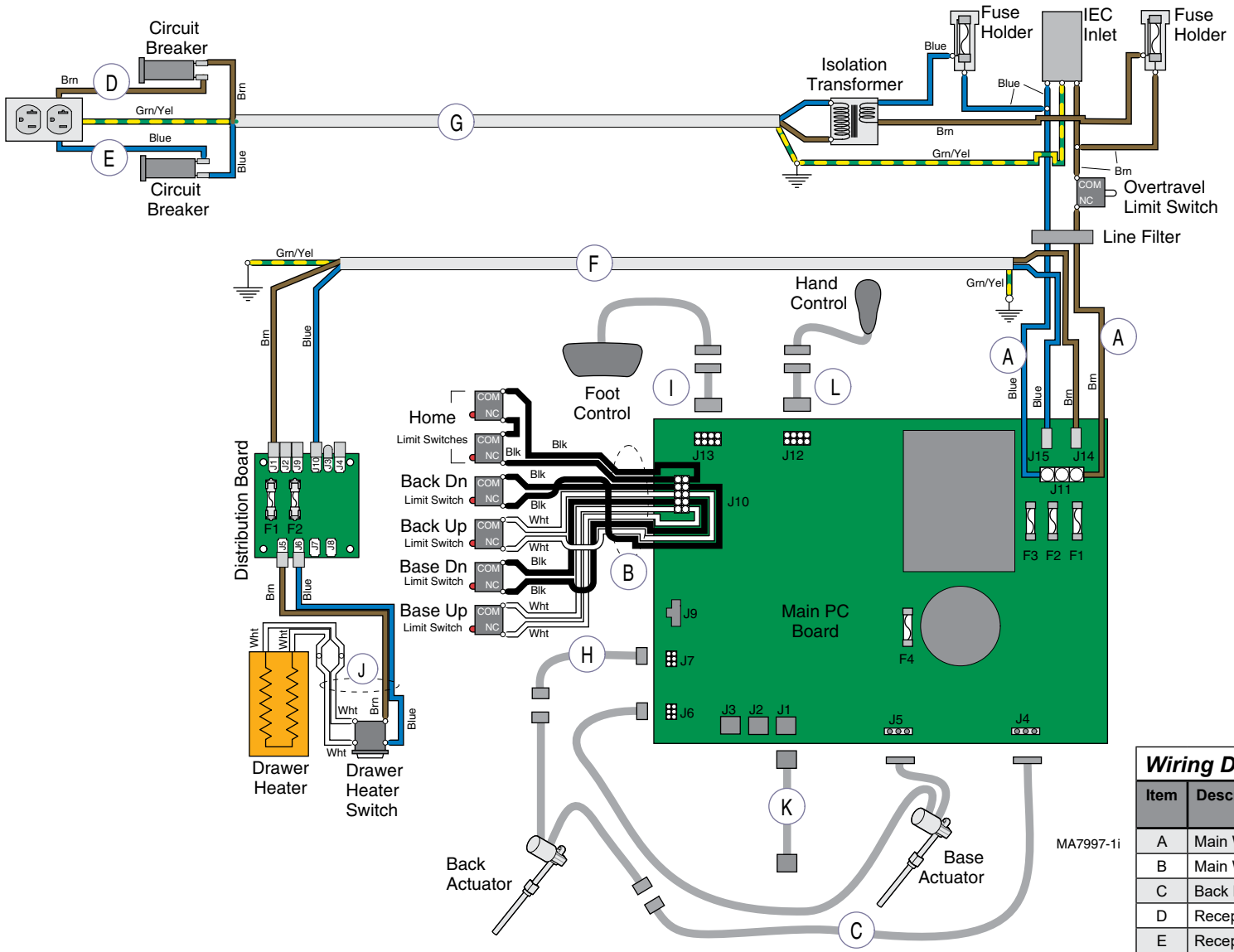
** Indicates multiple pages due to a serial number break for the wiring diagram.*



Wiring Diagram: 625 (-001)		
Item	**Description**	**Part Number**
A	Main Wiring Harness	015-1854-00
B	Main Wiring Harness	015-1854-00
C	Back Motor Extension	015-2501-00
D	Receptacle Jumper *(brown)*	015-1886-00
E	Receptacle Jumper *(blue)*	015-1886-01
F	Distribution Harness	015-2005-00
G	Receptacle Harness	015-2531-00
H	Back Hall Effect Extension	015-2502-00
I	Foot Control Harness	015-1784-00
J	Drawer Heater Harness with Switch	015-1759-00
K	Used with wireless controls *(optional)*	015-2149-01
L	Hand Control Harness	015-3464-00

Models:	***625-001***	
Serial Numbers:	*V2200 thru V968527*	

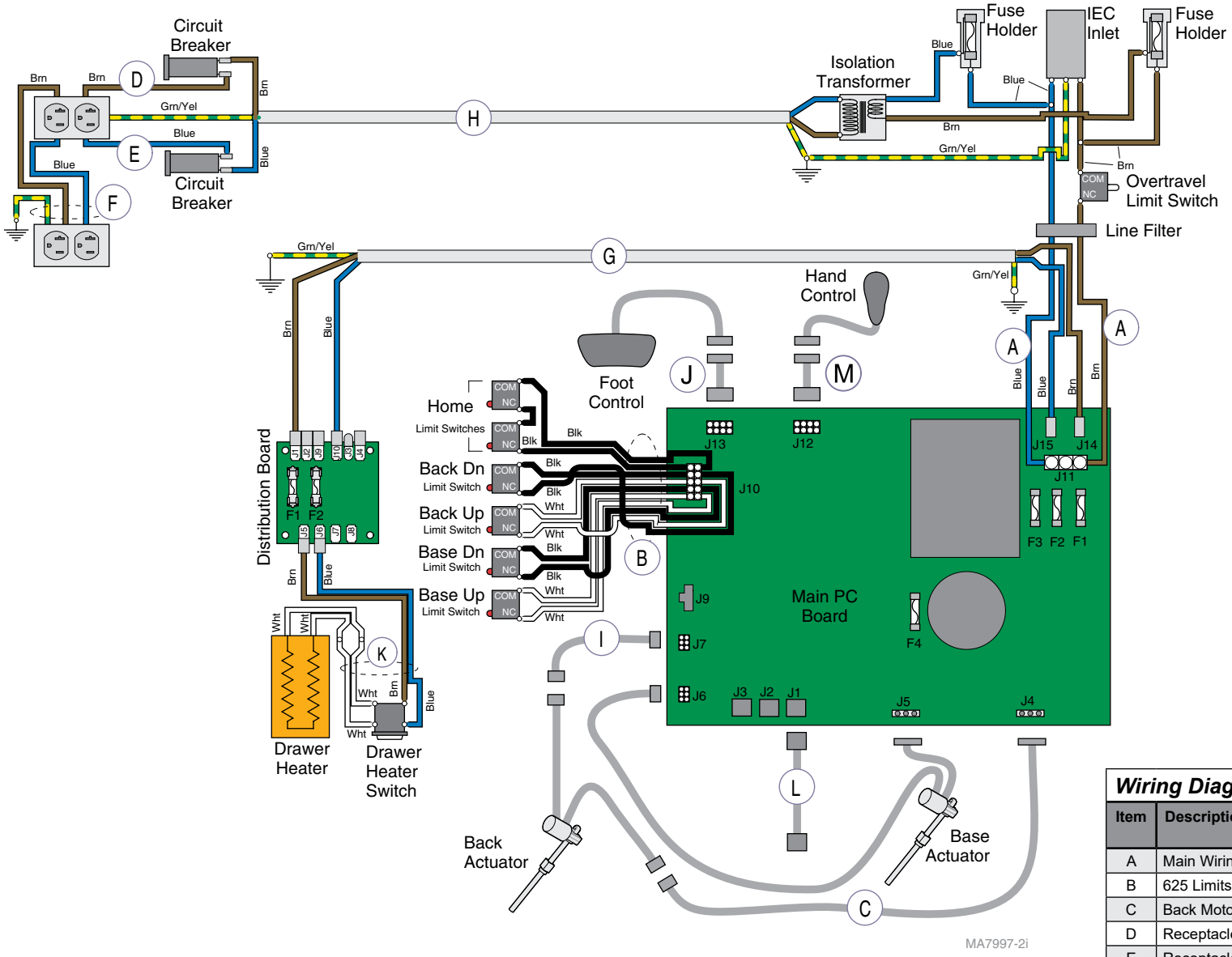
Always verify model & serial number



Wiring Diagram: 625 (-001)		
Item	**Description**	**Part Number**
A	Main Wiring Harness	015-2812-00
B	Main Wiring Harness	015-2812-00
C	Back Motor Extension	015-2501-00
D	Receptacle Jumper *(brown)*	015-1886-00
E	Receptacle Jumper *(blue)*	015-1886-01
F	Distribution Harness	015-2005-00
G	Receptacle Harness	015-2531-00
H	Back Hall Effect Extension	015-2502-00
I	Foot Control Harness	015-1784-00
J	Drawer Heater Harness with Switch	015-1759-00
K	Used with wireless controls *(optional)*	015-2149-01
L	Hand Control Harness	015-3464-00

Models:	**625-001**	
Serial Numbers:	*V968528 thru V1149713*	

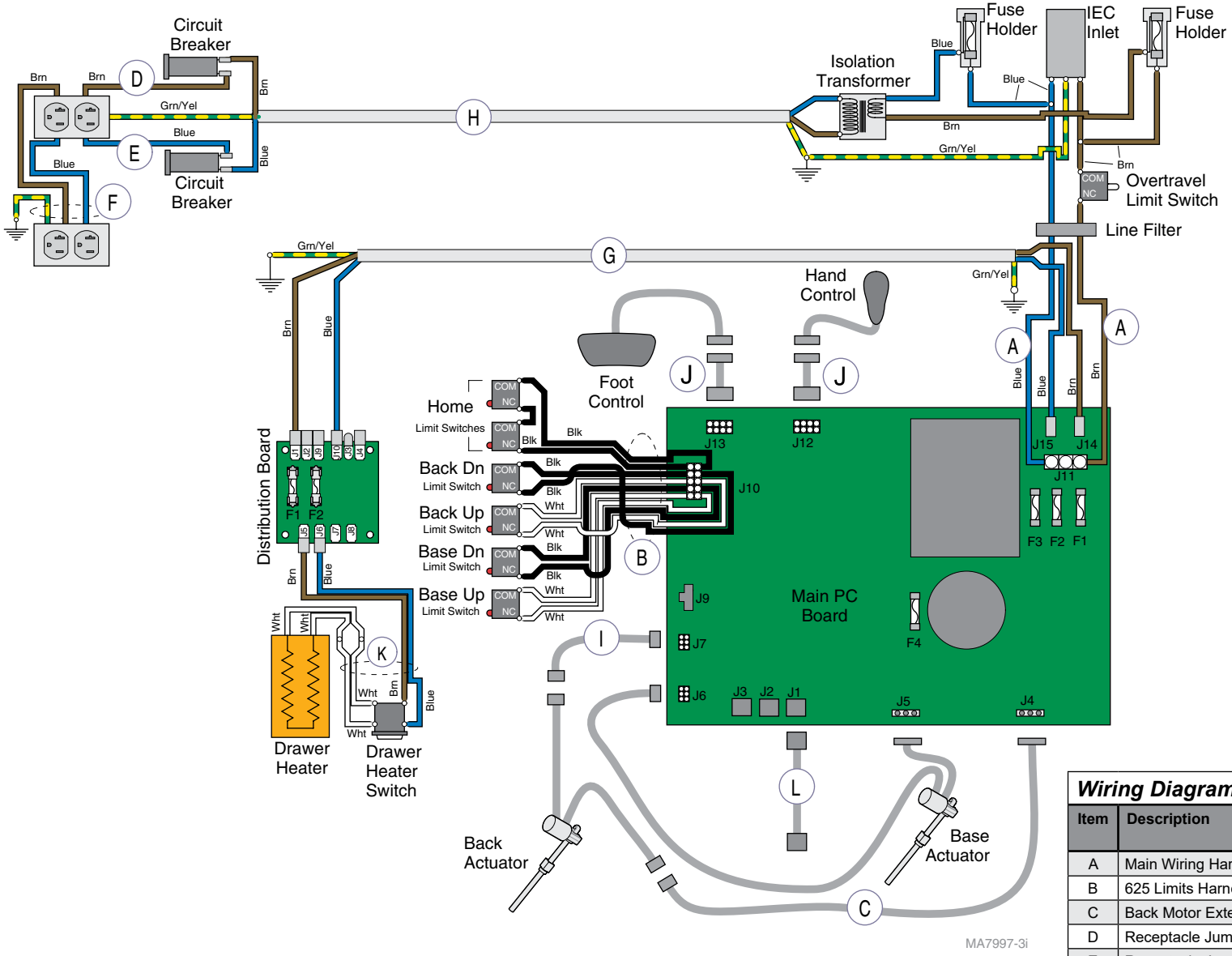
Always verify model & serial number



Wiring Diagram: 625 (-001)		
Item	**Description**	**Part Number**
A	Main Wiring Harness	015-2812-00
B	625 Limits Harness	029-5558-01
C	Back Motor Extension	029-5558-01
D	Receptacle Jumper *(brown)*	015-1886-00
E	Receptacle Jumper *(blue)*	015-1886-01
F	Receptacle Harness, Interconnect	015-2939-00
G	Distribution Harness	029-5558-01
H	Receptacle Harness	029-5558-01
I	Back Hall Effect Extension	029-5558-01
J	Foot Control Harness	015-1784-00
K	Drawer Heater Harness with Switch	015-1759-00
L	Used with wireless controls *(optional)*	029-5558-01
M	Hand Control Harness	015-3464-00

Models:	***625-001***	
Serial Numbers:	*V1149714 thru V1667149*	

Always verify model & serial number

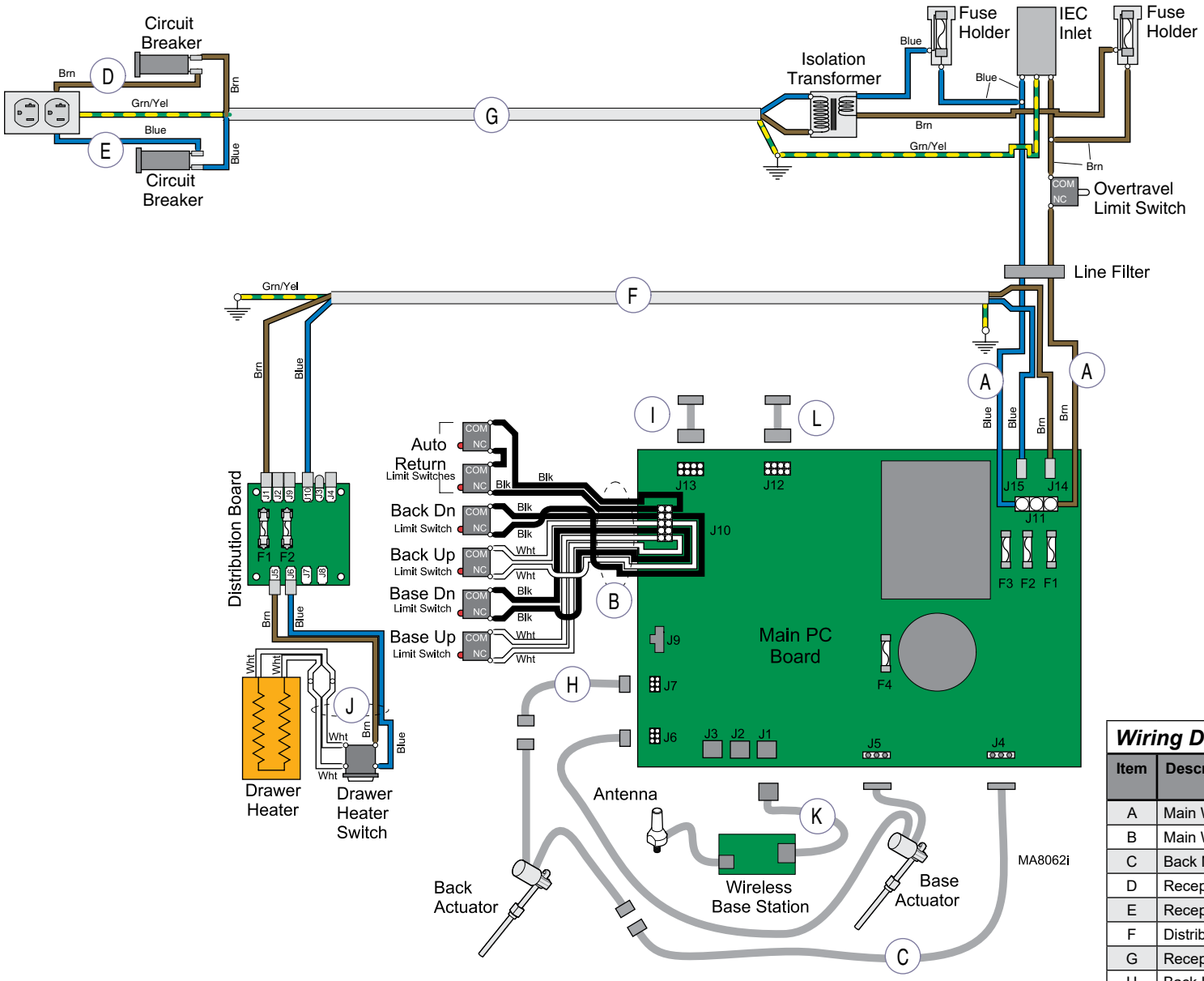


Models:	625-001	
Serial Numbers:	V1667150 thru Present	

Wiring Diagram: 625 (-001)

Item	Description	Part Number
A	Main Wiring Harness	015-2812-00
B	625 Limits Harness	029-5558-01
C	Back Motor Extension	029-5558-01
D	Receptacle Jumper *(brown)*	015-1886-00
E	Receptacle Jumper *(blue)*	015-1886-01
F	Receptacle Harness, Interconnect	015-2939-00
G	Distribution Harness	029-5558-01
H	Receptacle Harness	029-5558-01
I	Back Hall Effect Extension	029-5558-01
J	Foot / Hand Control Harnesses	015-3464-00
K	Drawer Heater Harness with Switch	015-1759-00
L	Used with wireless controls *(optional)*	029-5558-01

Always verify model & serial number

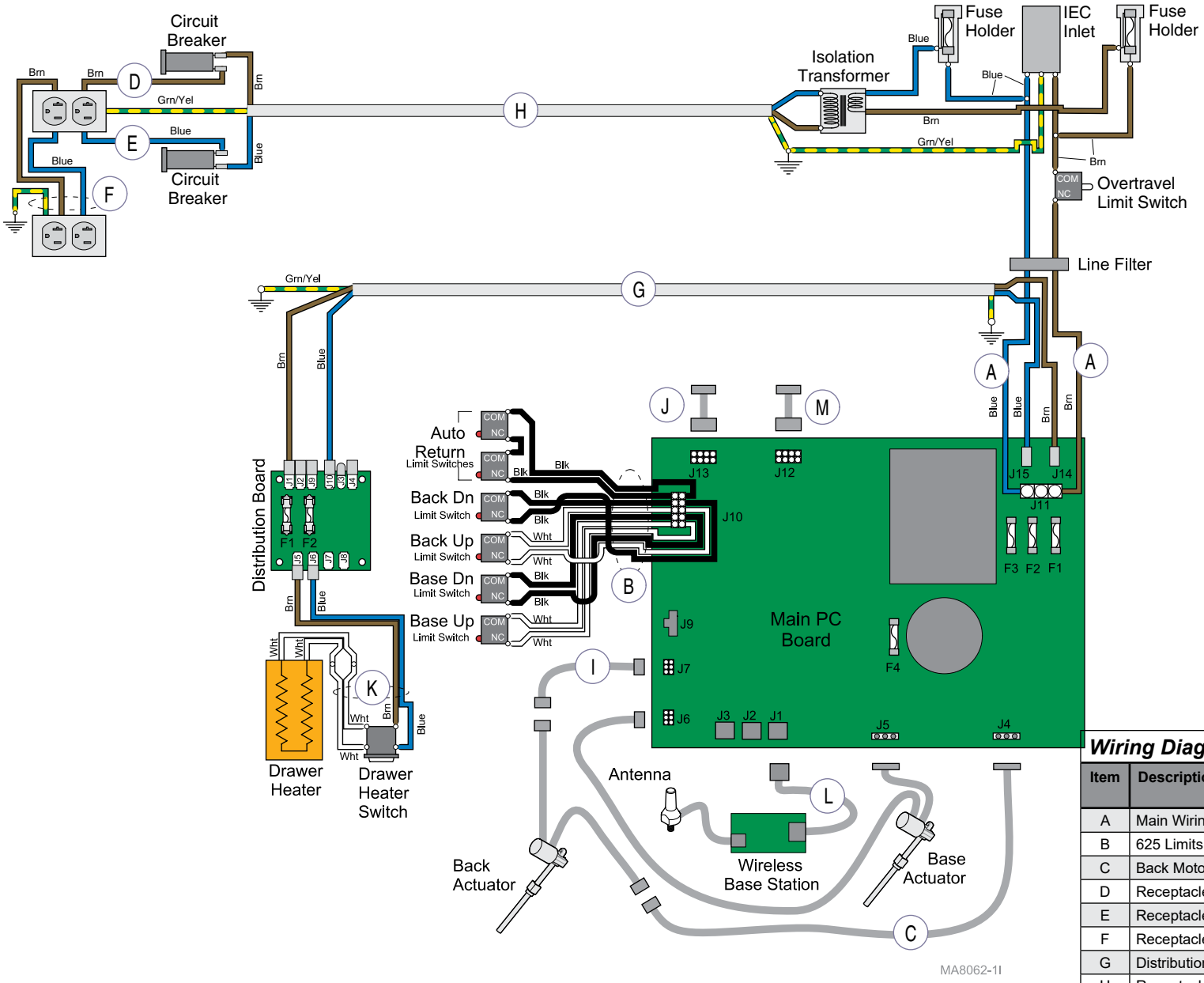


Models:	625-003	
Serial Numbers:	V2200 thru V1149713	

Wiring Diagram: 625 (-003)

Item	Description	Part Number
A	Main Wiring Harness	015-2812-00
B	Main Wiring Harness	015-2812-00
C	Back Motor Extension	015-2501-00
D	Receptacle Jumper *(brown)*	015-1886-00
E	Receptacle Jumper *(blue)*	015-1886-01
F	Distribution Harness	015-2005-00
G	Receptacle Harness	015-2531-00
H	Back Hall Effect Extension	015-2502-00
I	Foot Control Harness	015-1784-00
J	Drawer Heater Harness with Switch	015-1759-00
K	Modular Harness *(straight)*	015-2149-01
L	Hand Control Harness	015-3464-00

Always verify model & serial number

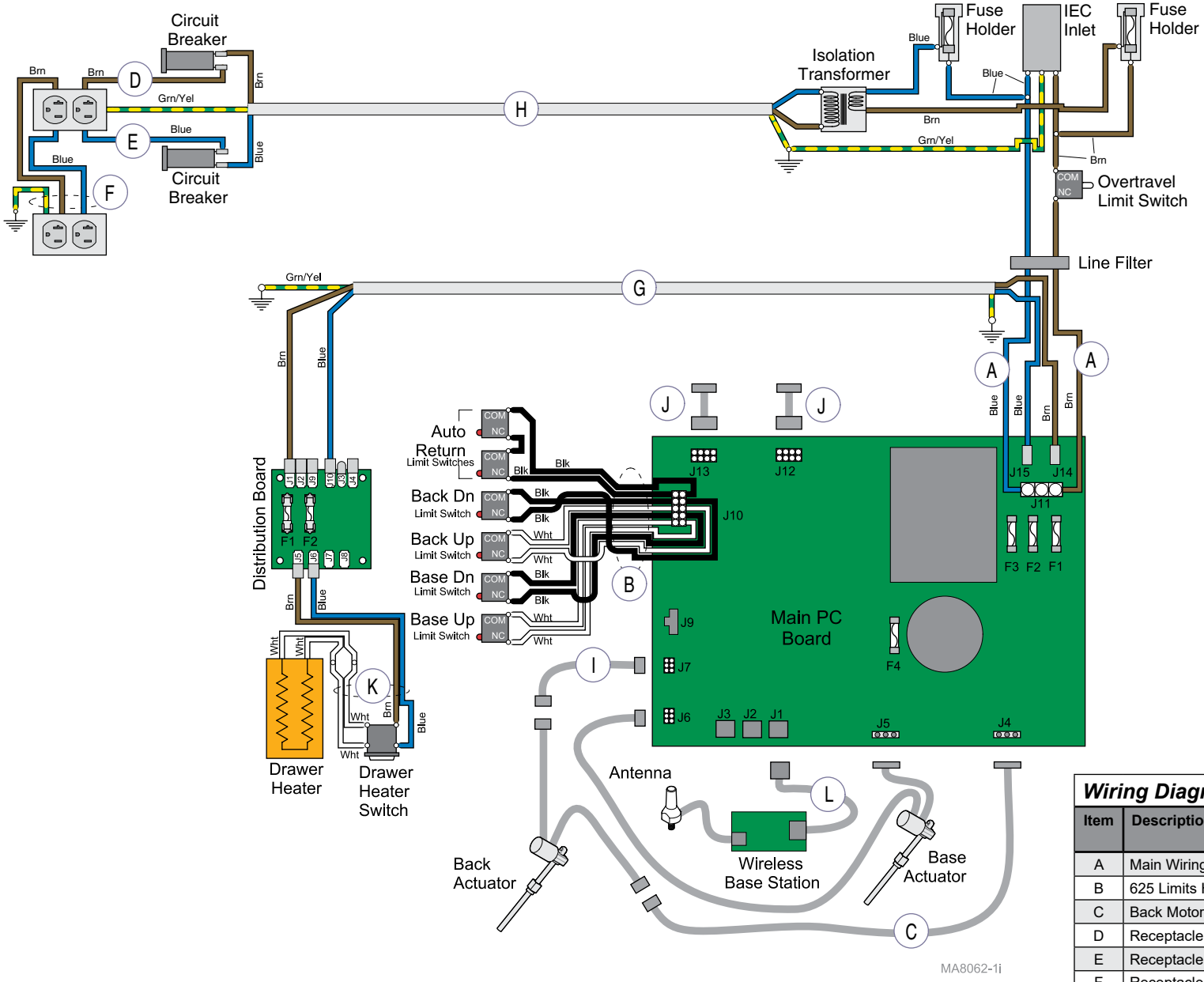


Wiring Diagram: 625 (-003)

Item	Description	Part Number
A	Main Wiring Harness	015-2812-00
B	625 Limits Harness	029-5558-01
C	Back Motor Extension	029-5558-01
D	Receptacle Jumper *(brown)*	015-1886-00
E	Receptacle Jumper *(blue)*	015-1886-01
F	Receptacle Harness, Interconnect	015-2939-00
G	Distribution Harness	029-5558-01
H	Receptacle Harness	029-5558-01
I	Back Hall Effect Extension	029-5558-01
J	Foot Control Harness	015-1784-00
K	Drawer Heater Harness with Switch	015-1759-00
L	Modular Harness *(straight)*	029-5558-01
M	Hand Control Harness	015-3464-00

Models:	***625-003***
Serial Numbers:	*V1149714 thru V1667149*

Always verify model & serial number

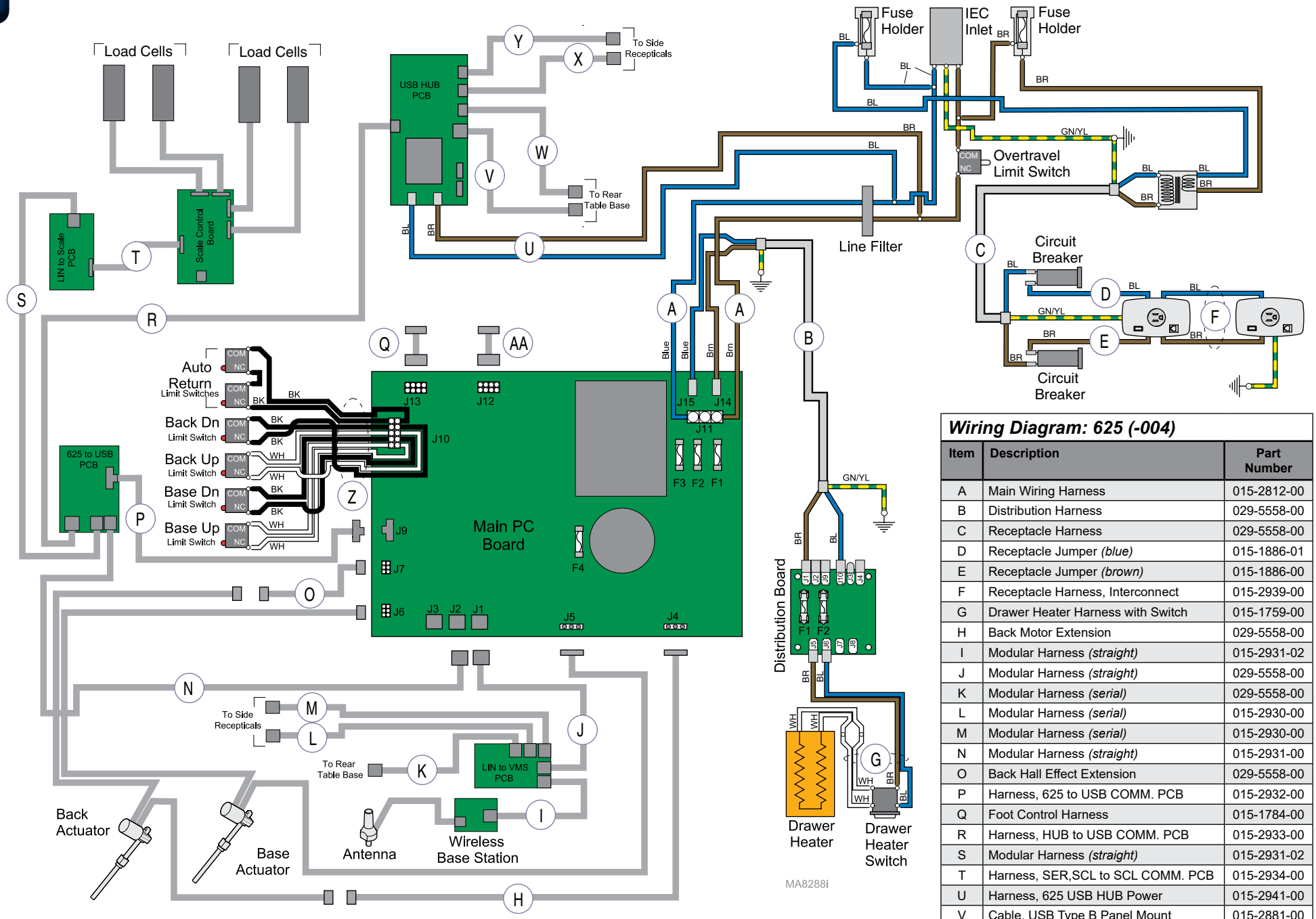


Wiring Diagram: 625 (-003)

Item	Description	Part Number
A	Main Wiring Harness	015-2812-00
B	625 Limits Harness	029-5558-01
C	Back Motor Extension	029-5558-01
D	Receptacle Jumper *(brown)*	015-1886-00
E	Receptacle Jumper *(blue)*	015-1886-01
F	Receptacle Harness, Interconnect	015-2939-00
G	Distribution Harness	029-5558-01
H	Receptacle Harness	029-5558-01
I	Back Hall Effect Extension	029-5558-01
J	Foot / Hand Control Harnesses	015-3464-00
K	Drawer Heater Harness with Switch	015-1759-00
L	Modular Harness *(straight)*	029-5558-01

Models:	**625-003**
Serial Numbers:	*V1149714 thru Present*

Always verify model & serial number

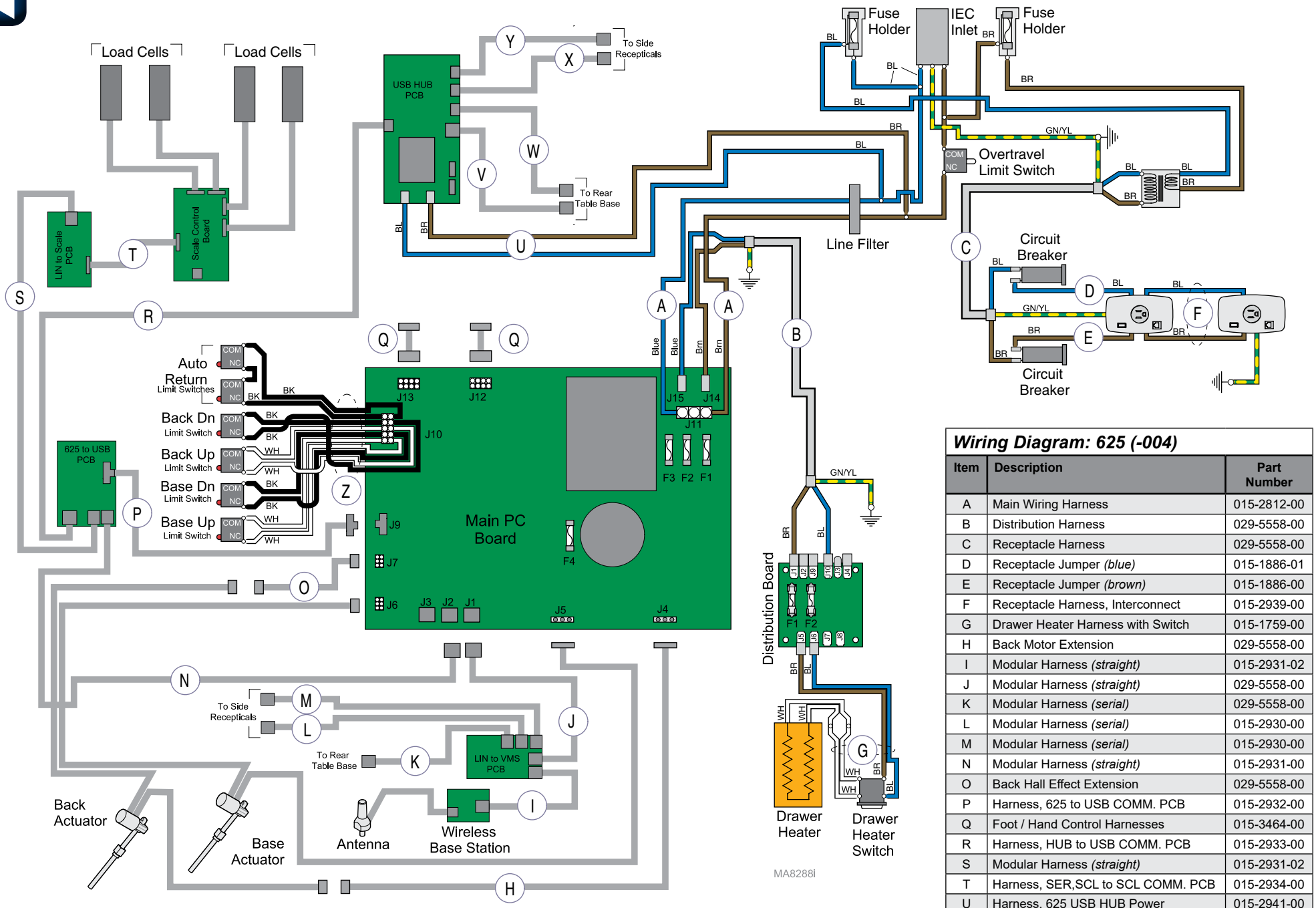


Wiring Diagram: 625 (-004)

Item	Description	Part Number
A	Main Wiring Harness	015-2812-00
B	Distribution Harness	029-5558-00
C	Receptacle Harness	029-5558-00
D	Receptacle Jumper *(blue)*	015-1886-01
E	Receptacle Jumper *(brown)*	015-1886-00
F	Receptacle Harness, Interconnect	015-2939-00
G	Drawer Heater Harness with Switch	015-1759-00
H	Back Motor Extension	029-5558-00
I	Modular Harness *(straight)*	015-2931-02
J	Modular Harness *(straight)*	029-5558-00
K	Modular Harness *(serial)*	029-5558-00
L	Modular Harness *(serial)*	015-2930-00
M	Modular Harness *(serial)*	015-2930-00
N	Modular Harness *(straight)*	015-2931-00
O	Back Hall Effect Extension	029-5558-00
P	Harness, 625 to USB COMM. PCB	015-2932-00
Q	Foot Control Harness	015-1784-00
R	Harness, HUB to USB COMM. PCB	015-2933-00
S	Modular Harness *(straight)*	015-2931-02
T	Harness, SER,SCL to SCL COMM. PCB	015-2934-00
U	Harness, 625 USB HUB Power	015-2941-00
V	Cable, USB Type B Panel Mount	015-2881-00
W	Cable, USB Type A Panel Mount	015-2458-00
X	Cable, USB Type A Panel Mount	029-5558-00
Y	Cable, USB Type A Panel Mount	029-5558-00
Z	Distribution Harness	029-5558-00
AA	Hand Control Harness	015-3464-00

Models:	**625-004**
Serial Numbers:	*V2200 thru V1667149*

Always verify model & serial number

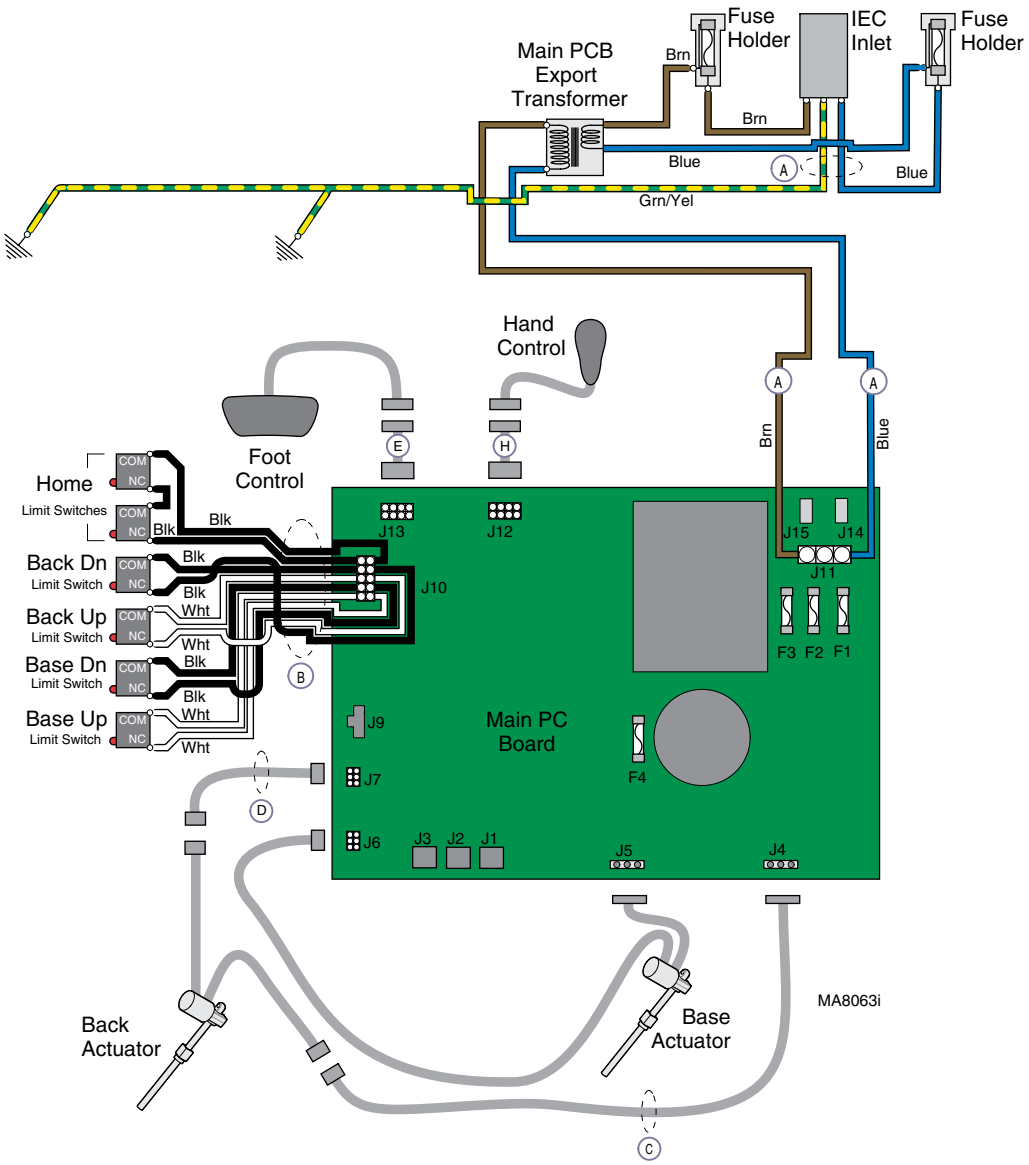


Wiring Diagram: 625 (-004)

Item	Description	Part Number
A	Main Wiring Harness	015-2812-00
B	Distribution Harness	029-5558-00
C	Receptacle Harness	029-5558-00
D	Receptacle Jumper *(blue)*	015-1886-01
E	Receptacle Jumper *(brown)*	015-1886-00
F	Receptacle Harness, Interconnect	015-2939-00
G	Drawer Heater Harness with Switch	015-1759-00
H	Back Motor Extension	029-5558-00
I	Modular Harness *(straight)*	015-2931-02
J	Modular Harness *(straight)*	029-5558-00
K	Modular Harness *(serial)*	029-5558-00
L	Modular Harness *(serial)*	015-2930-00
M	Modular Harness *(serial)*	015-2930-00
N	Modular Harness *(straight)*	015-2931-00
O	Back Hall Effect Extension	029-5558-00
P	Harness, 625 to USB COMM. PCB	015-2932-00
Q	Foot / Hand Control Harnesses	015-3464-00
R	Harness, HUB to USB COMM. PCB	015-2933-00
S	Modular Harness *(straight)*	015-2931-02
T	Harness, SER,SCL to SCL COMM. PCB	015-2934-00
U	Harness, 625 USB HUB Power	015-2941-00
V	Cable, USB Type B Panel Mount	015-2881-00
W	Cable, USB Type A Panel Mount	015-2458-00
X	Cable, USB Type A Panel Mount	029-5558-00
Y	Cable, USB Type A Panel Mount	029-5558-00
Z	Distribution Harness	029-5558-00

Models:	**625-004**
Serial Numbers:	*V1667150 thru Present*

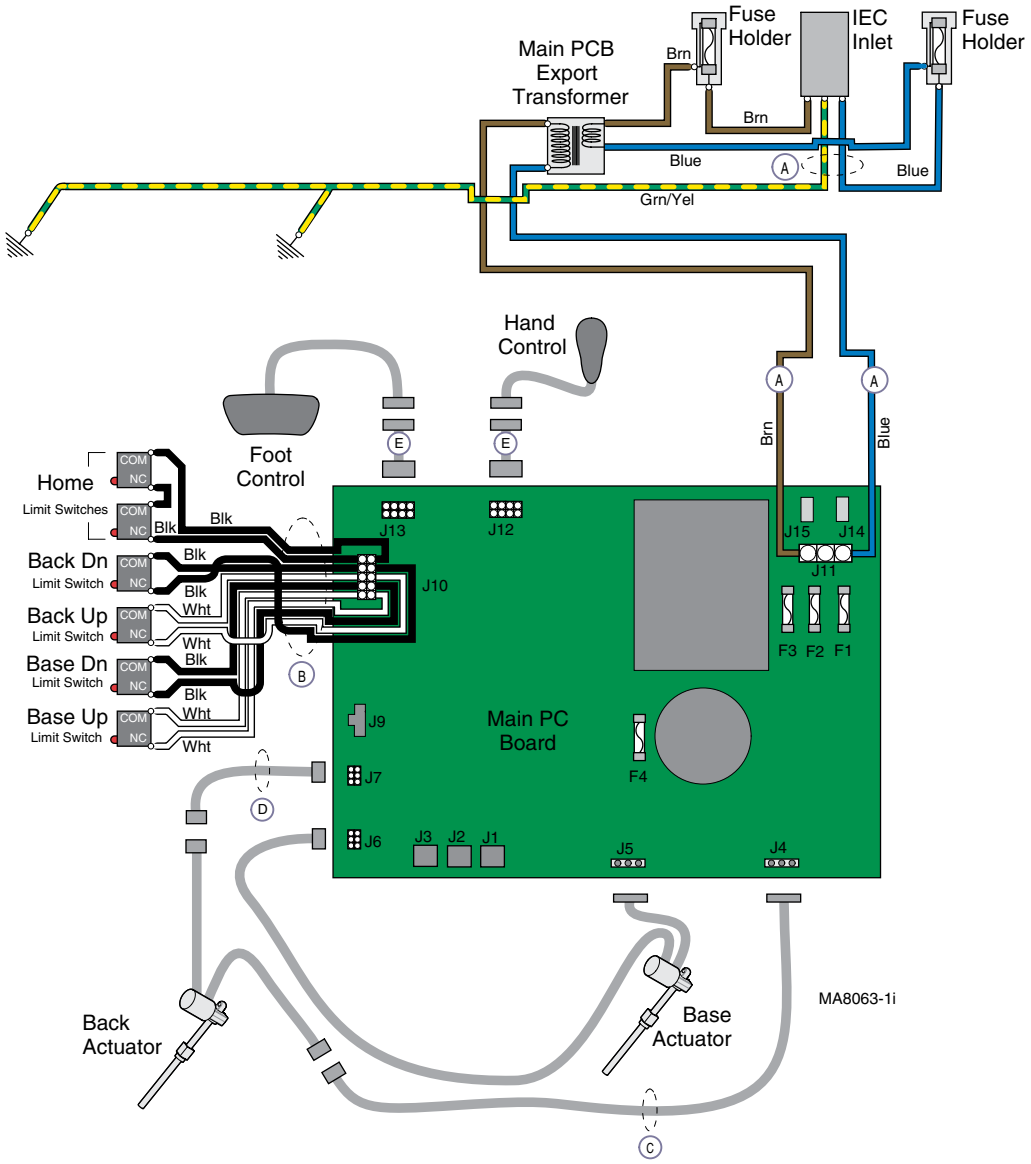
Always verify model & serial number



Wiring Diagram: 625 (-005)		
Item	**Description**	**Part Number**
A	Main Wiring Harness	015-2812-00
B	Main Wiring Harness	015-2812-00
C	Back Motor Extension	015-2501-00
D	Back Hall Effect Extension	015-2502-00
E	Foot Control Harness	015-1784-00
F	Power Interrupt Harness	015-2813-00
G	Ground Harness	015-2570-00
H	Hand Control Harness	015-3464-00

Models:	**625-005**	
Serial Numbers:	*V2200 thru V1667149*	

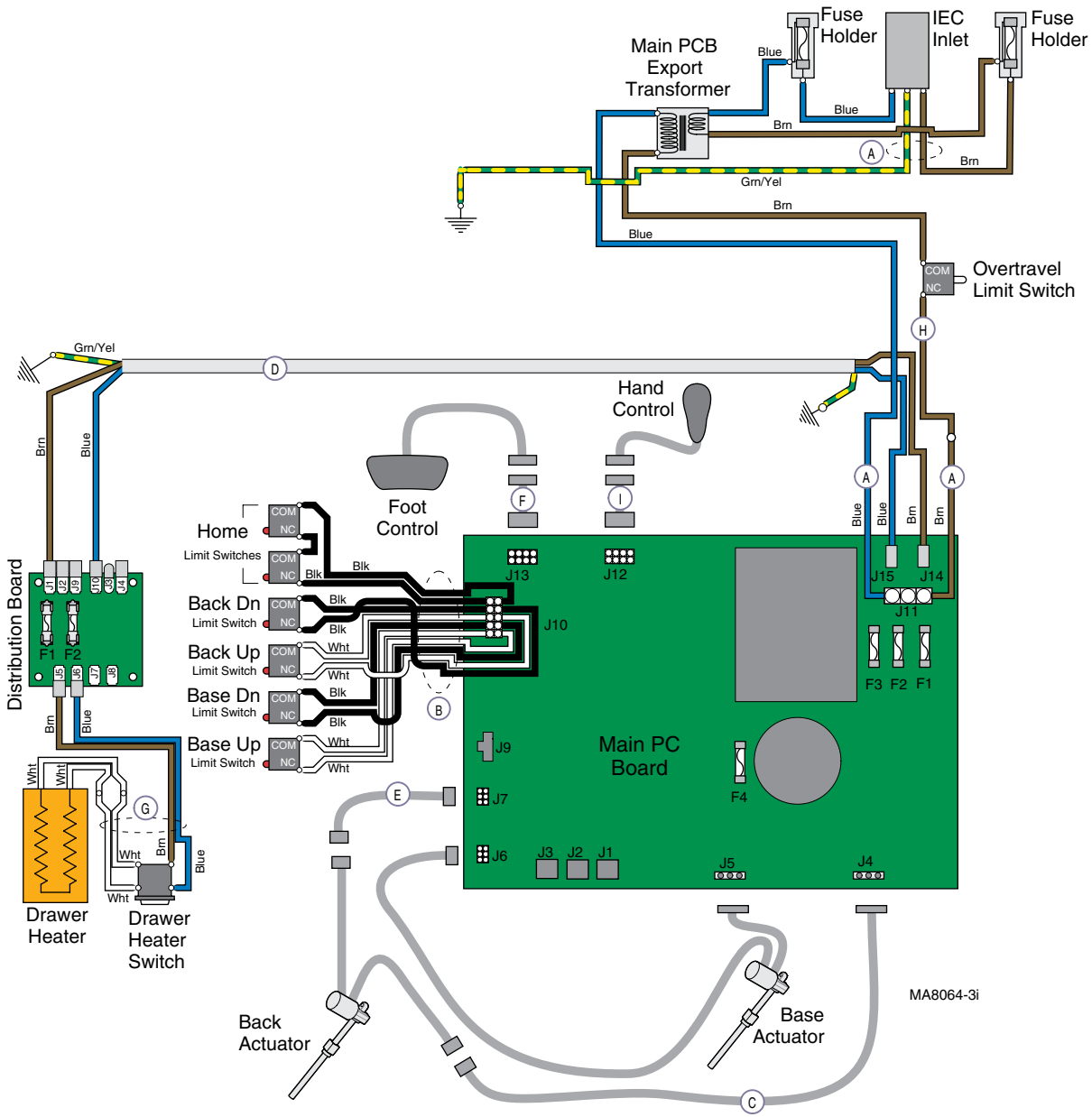
Always verify model & serial number



Wiring Diagram: 625 (-005)		
Item	**Description**	**Part Number**
A	Main Wiring Harness	015-2812-00
B	Main Wiring Harness	015-2812-00
C	Back Motor Extension	015-2501-00
D	Back Hall Effect Extension	015-2502-00
E	Foot / Hand Control Harnesses	015-3464-00
F	Power Interrupt Harness	015-2813-00
G	Ground Harness	015-2570-00

Models:	***625-005***	
Serial Numbers:	*V1667150 thru Present*	

Always verify model & serial number

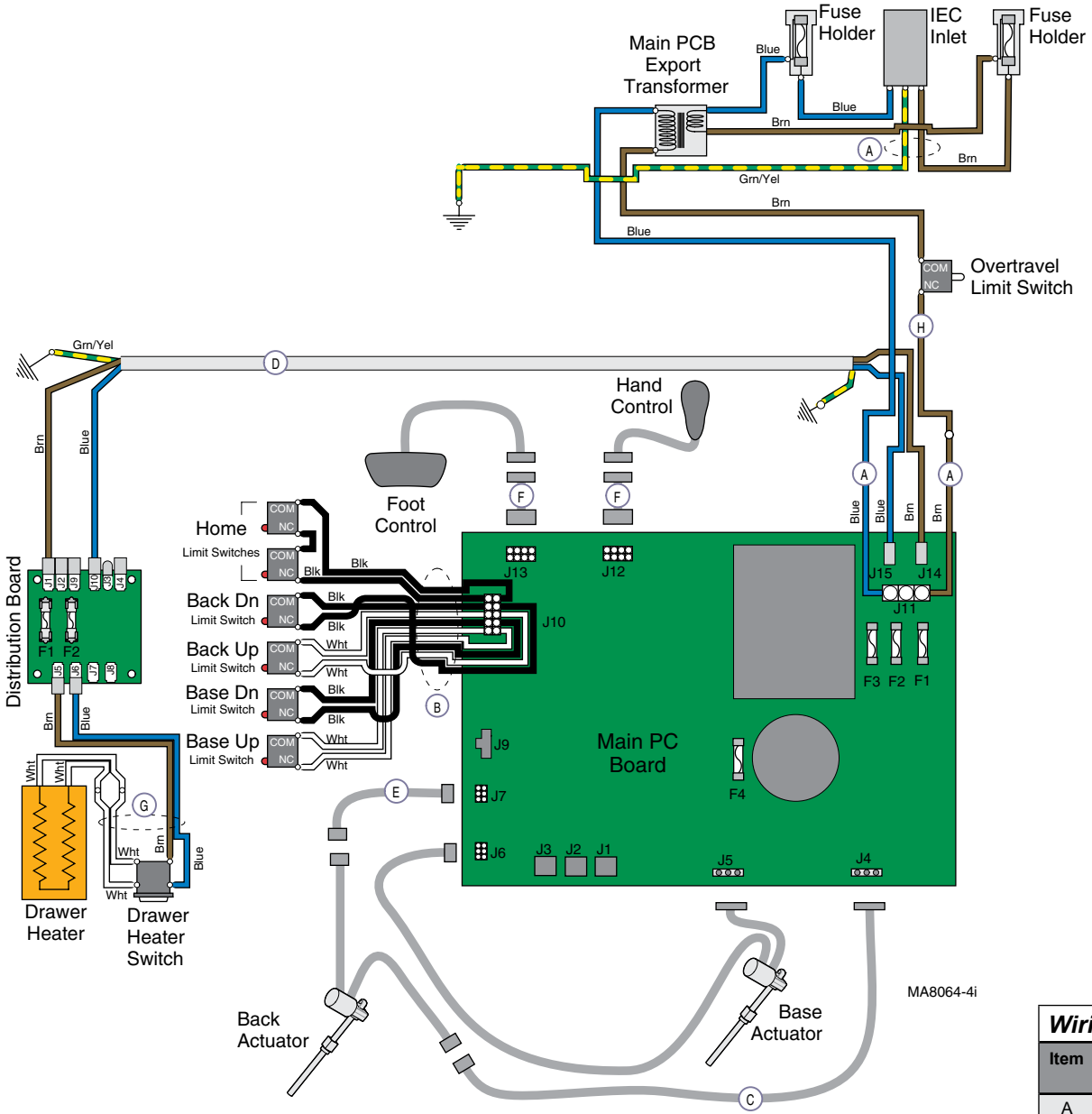


Models:	625-006	
Serial Numbers:	V2200 thru V1667149	

Wiring Diagram: 625 (-006)

Item	Description	Part Number
A	Main Wiring Harness	015-2812-00
B	Main Wiring Harness	015-2812-00
C	Back Motor Extension	015-2501-00
D	Distribution Harness	015-2005-00
E	Back Hall Effect Extension	015-2502-00
F	Foot Control Harness	015-1784-00
G	Drawer Heater Harness with Switch	015-1759-00
H	Power Interrupt Harness	015-2813-00
I	Hand Control Harness	016-3464-00

Always verify model & serial number



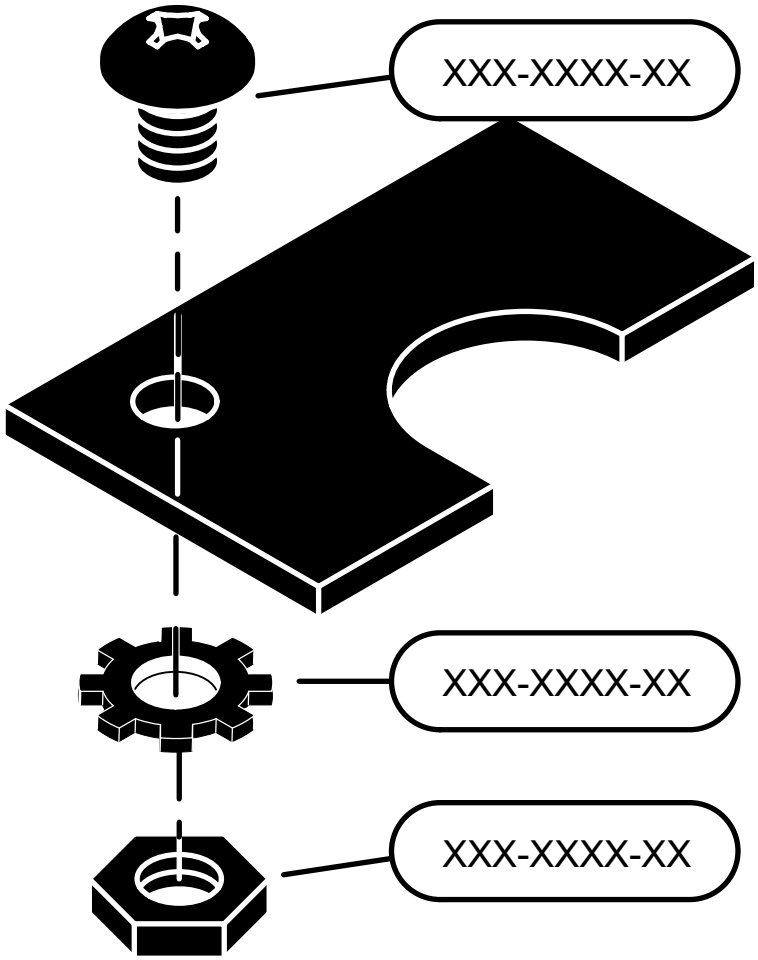
Wiring Diagram: 625 (-006)		
Item	**Description**	**Part Number**
A	Main Wiring Harness	015-2812-00
B	Main Wiring Harness	015-2812-00
C	Back Motor Extension	015-2501-00
D	Distribution Harness	015-2005-00
E	Back Hall Effect Extension	015-2502-00
F	Foot \ Hand Control Harnesses	015-3464-00
G	Drawer Heater Harness with Switch	015-1759-00
H	Power Interrupt Harness	015-2813-00

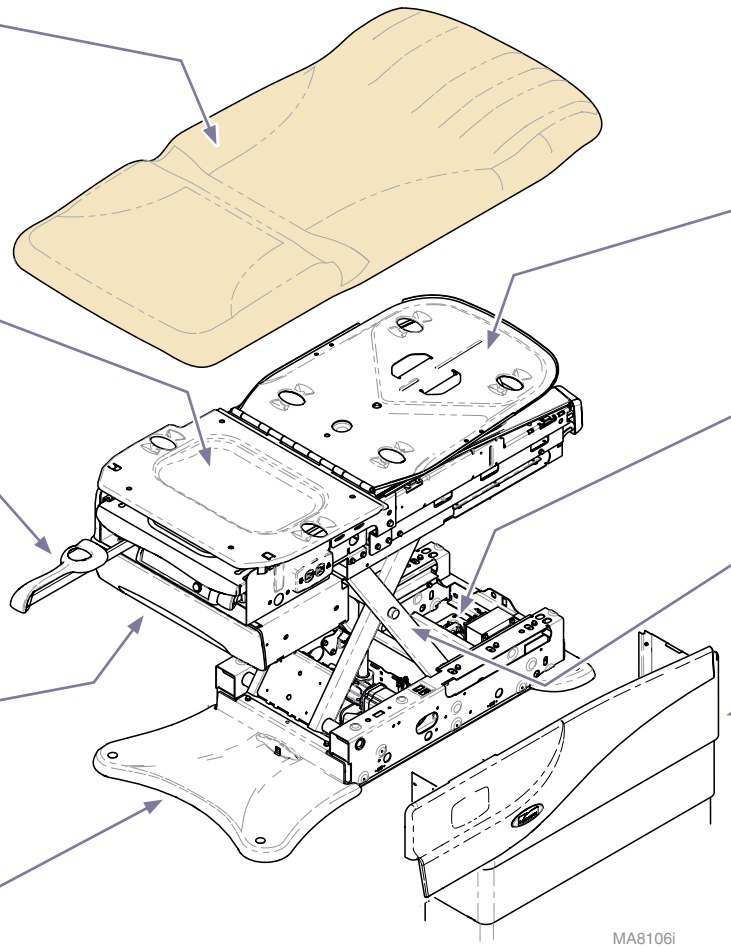
Models:	***625-006***	
Serial Numbers:	*V1667150 thru Present*	

Always verify model & serial number

Section E

Exploded Views & Parts Lists

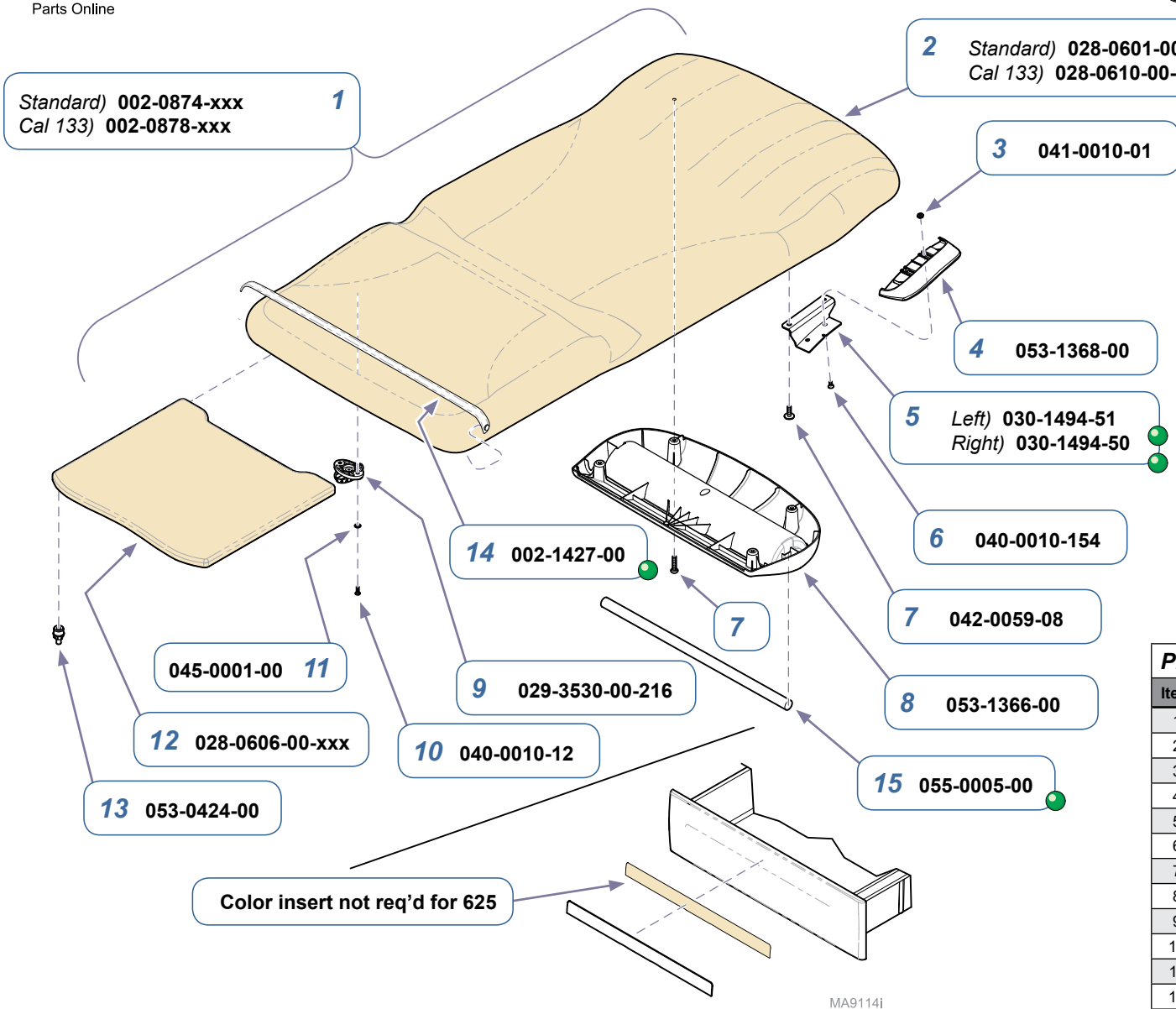




Models:	625	
Serial Numbers:	all	

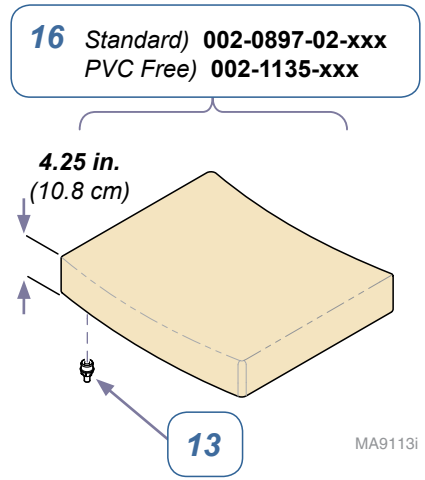
Indicates multiple pages due to a serial number break for the parts illustration.

Always verify model & serial number



Item #16 is a special order option.

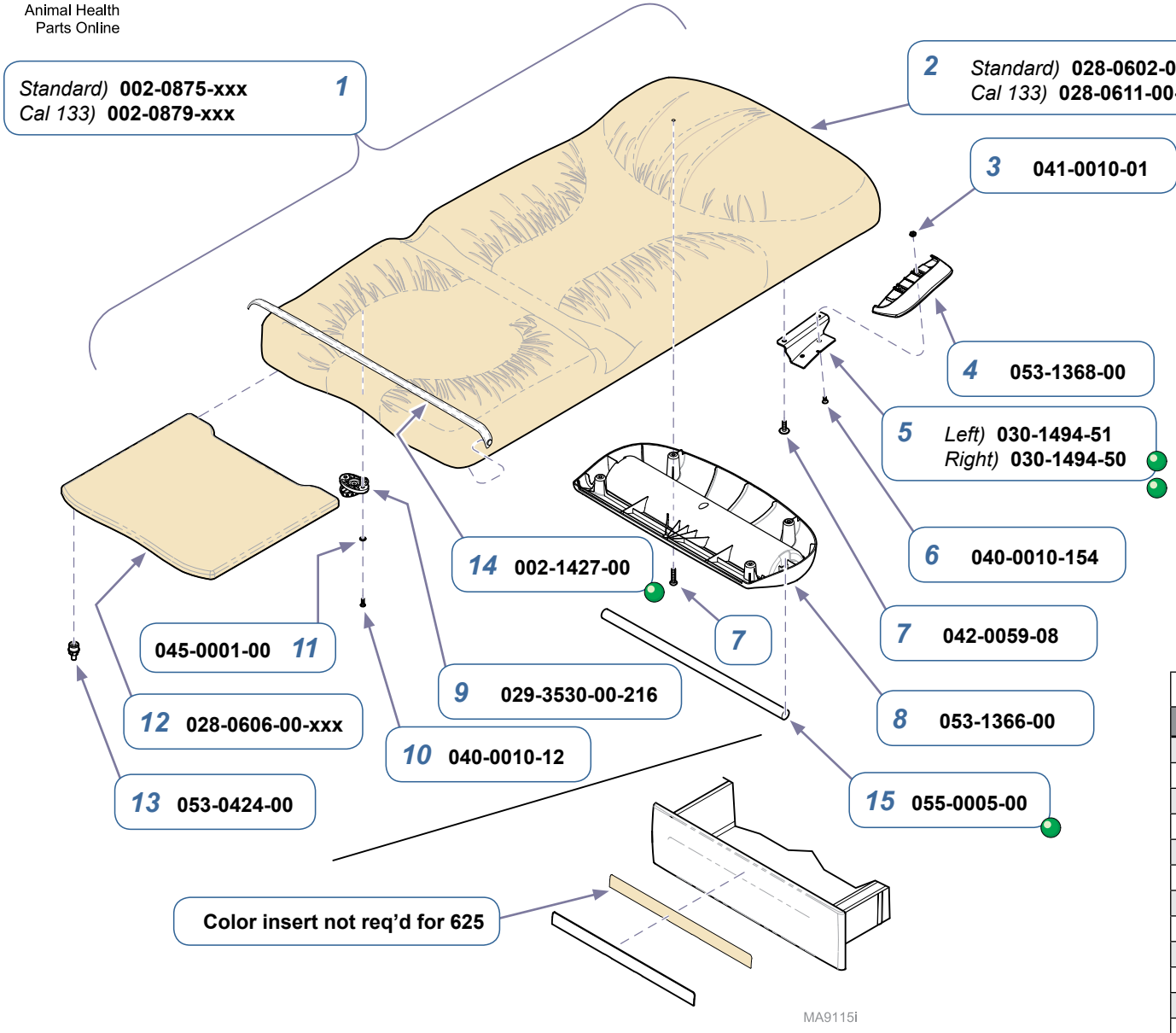
Note: *The footrest shelf will not slide into the stowed position with this pad installed.*



Premium Upholstery: 28 Inch Wide		
Item	**Description**	**Qty.**
1	Upholstery Set *(includes items 2 thru 13)*	1
2	• Seat / Back Upholstery	1
3	• Nut	4
4	• Handle	2
5	• Handle Bracket	2
6	• Screw	4
7	• Bolt *(1/4-20 x .787")*	8
8	• Paper Roll Housing	1
9	• Locking Knob	6
10	Screw	12
11	Washer	12
12	• Footrest Pad *(includes item 13 - qty 4)*	1
13	• • Footrest Glide	4
14	Tear Strap	1
15	Paper Roll Rod	1
16	Footrest Pad - *special (4.25 in. thick) [includes four glides (item #13)]*	1
17	Kit, Upholstery Packaging (002-1907-00) *(not shown)*	1

Models:	***625***	
Serial Numbers:	*all*	

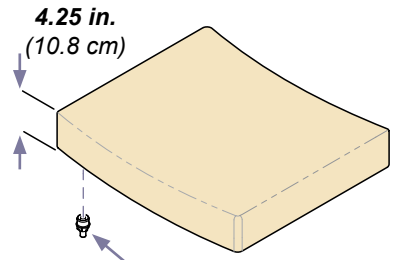
Always verify model & serial number



Item #16 is a special order option.

Note: *The footrest shelf will not slide into the stowed position with this pad installed.*

16 *Standard)* **002-0897-02-xxx**
PVC Free) **002-1135-xxx**

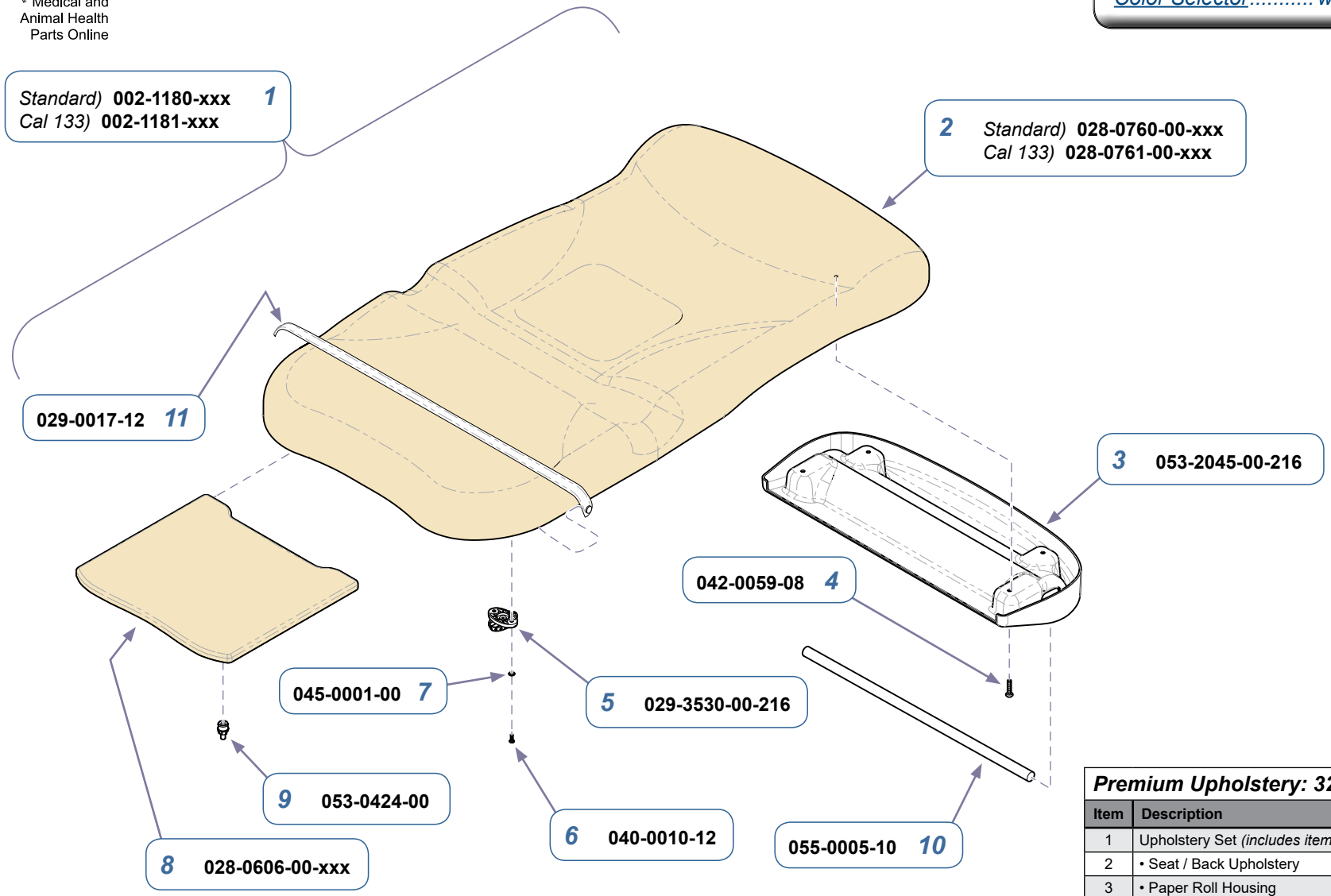


Models:	625	
Serial Numbers:	all	

Ultra-Premium Upholstery: 28 Inch Wide

Item	Description	Qty.
1	Upholstery Set *(includes items 2 thru 14)*	1
2	• Seat / Back Upholstery	1
3	• Nut	4
4	• Handle	2
5	• Handle Bracket	2
6	• Screw	4
7	• Bolt *(1/4-20 x .787")*	8
8	• Paper Roll Housing	1
9	• Locking Knob	6
10	• Screw	12
11	• Washer	12
12	• Footrest Pad *(includes item 13 - qty 4)*	1
13	• • Footrest Glide	4
14	Tear Strap	1
15	Paper Roll Rod	1
16	Footrest Pad - *special (4.25 in. thick) [includes four glides (item #13)*	1
17	Kit, Upholstery Packaging (002-1907-00) *(not shown)*	1

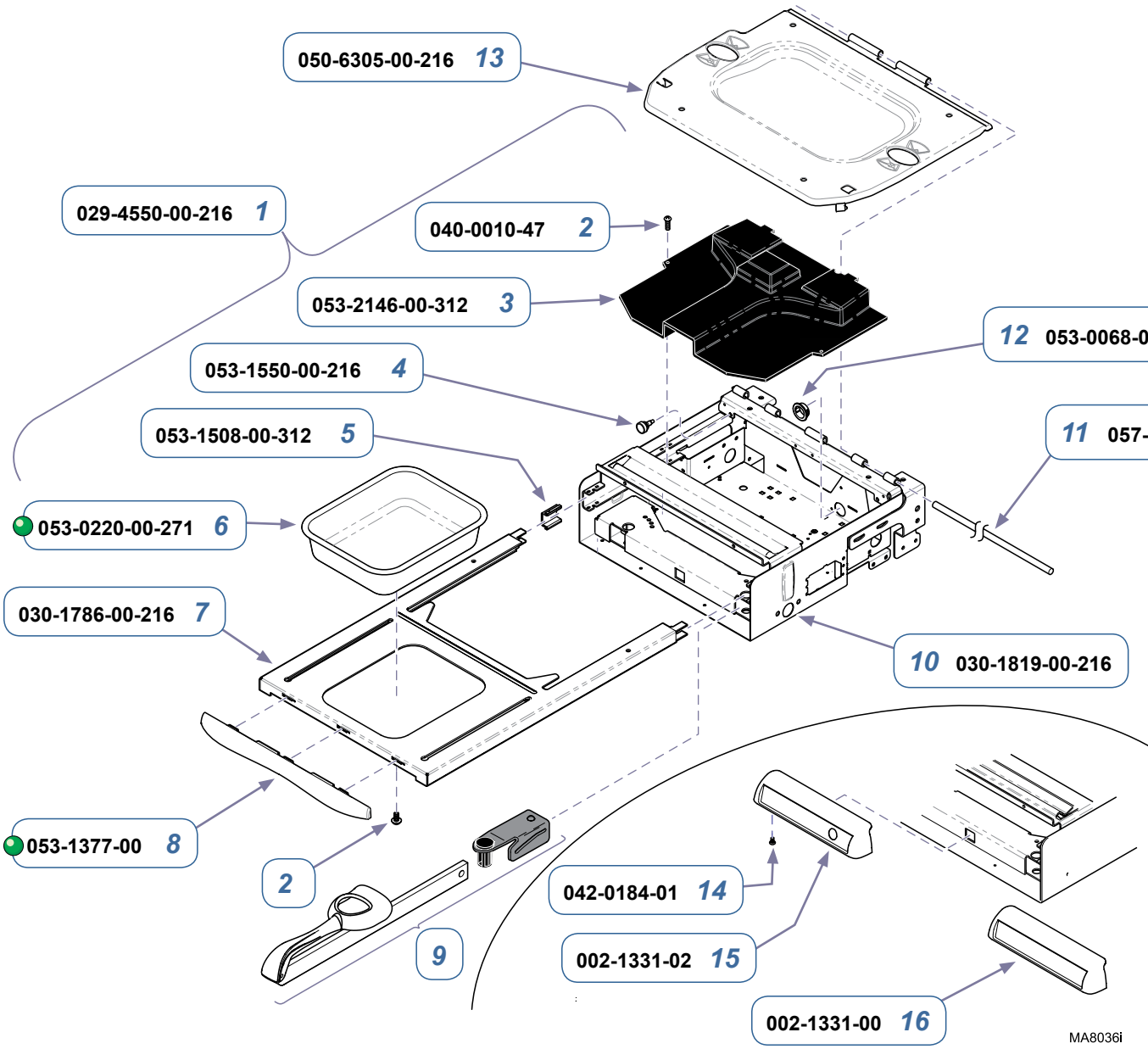
Always verify model & serial number



Premium Upholstery: 32 Inch Wide		
Item	**Description**	**Qty.**
1	Upholstery Set *(includes items 2 thru 10)*	1
2	• Seat / Back Upholstery	1
3	• Paper Roll Housing	1
4	• Screw	4
5	• Locking Knob	6
6	• Screw	12
7	• Washer	12
8	• Footrest Pad *(includes item 9 - qty 4)*	1
9	• • Footrest Glide	4
10	• Paper Roll Rod	1
11	Tear Strap	2
12	Kit, Upholstery Packaging (002-1907-00) *(not shown)*	1

Models:	**625**	
Serial Numbers:	*all*	

Always verify model & serial number

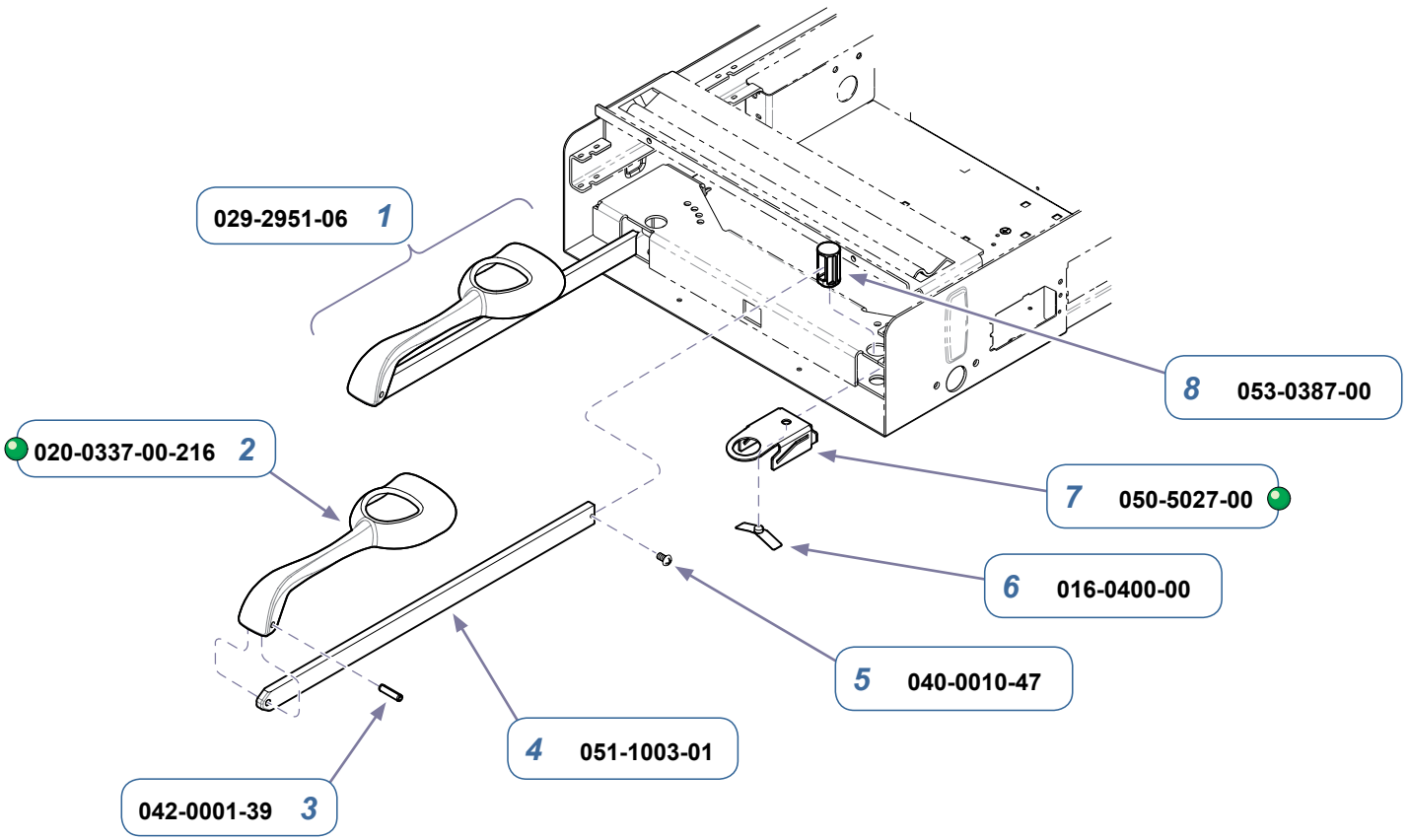


Seat Section

Item	Description	Qty.
1	Upperwrap Assembly *(includes items 2 thru 10)*	1
2	• Screw *(#10-24 x 3/8")*	6
3	• Stirrup Guide	1
4	• Stem Bumper	4
5	• Runner Glide	4
6	• Plastic Treatment Pan	1
7	• Footrest Shelf	1
8	• Footrest Trim	1
9	• Refer to: *"Stirrup Assembly"*	2
10	• Upperwrap Weldment	1
11	Pivot Rod	1
12	Snap Bushing	3
13	Seat Mtg. Frame	1
14	Screw	2
15	Switch Housing and Label Kit *(with one switch hole [includes label])*	1
16	Switch Housing and Label Kit *(no holes [includes label])*	1

Models:	***625***	
Serial Numbers:	*all*	

Always verify model & serial number



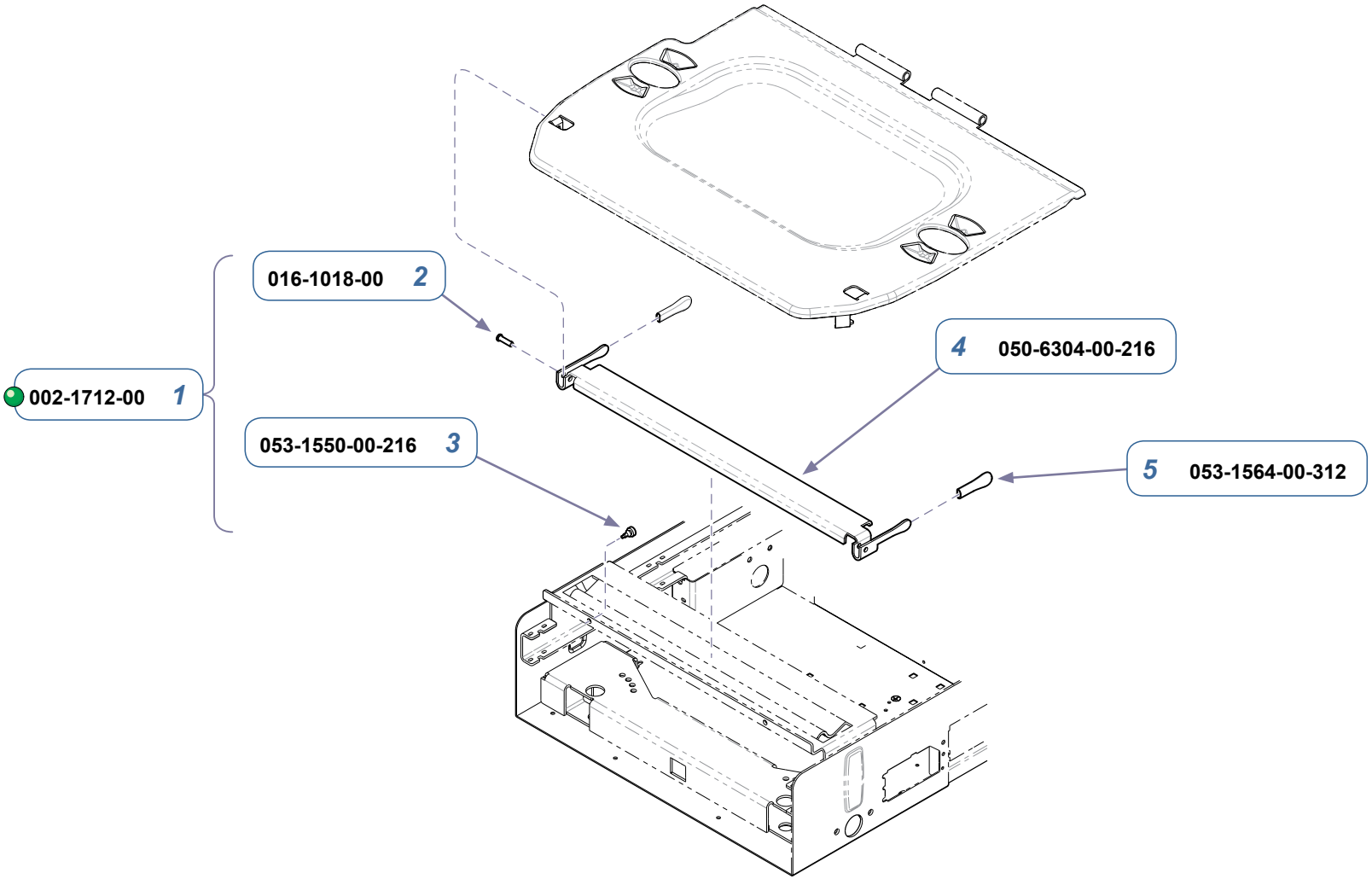
MA703900I

Stirrups

Item	Description	Qty.
1	Stirrup Assembly *(includes items 2 thru 4)*	2
2	• Stirrup	1
3	• Roll Pin	1
4	• Stirrup Bar	1
5	Screw *(10-24 x 3/8")*	2
6	Guide Bracket Spring	2
7	Guide Bracket	2
8	Pivot Boss	2

Models:	625	
Serial Numbers:	all	

Always verify model & serial number



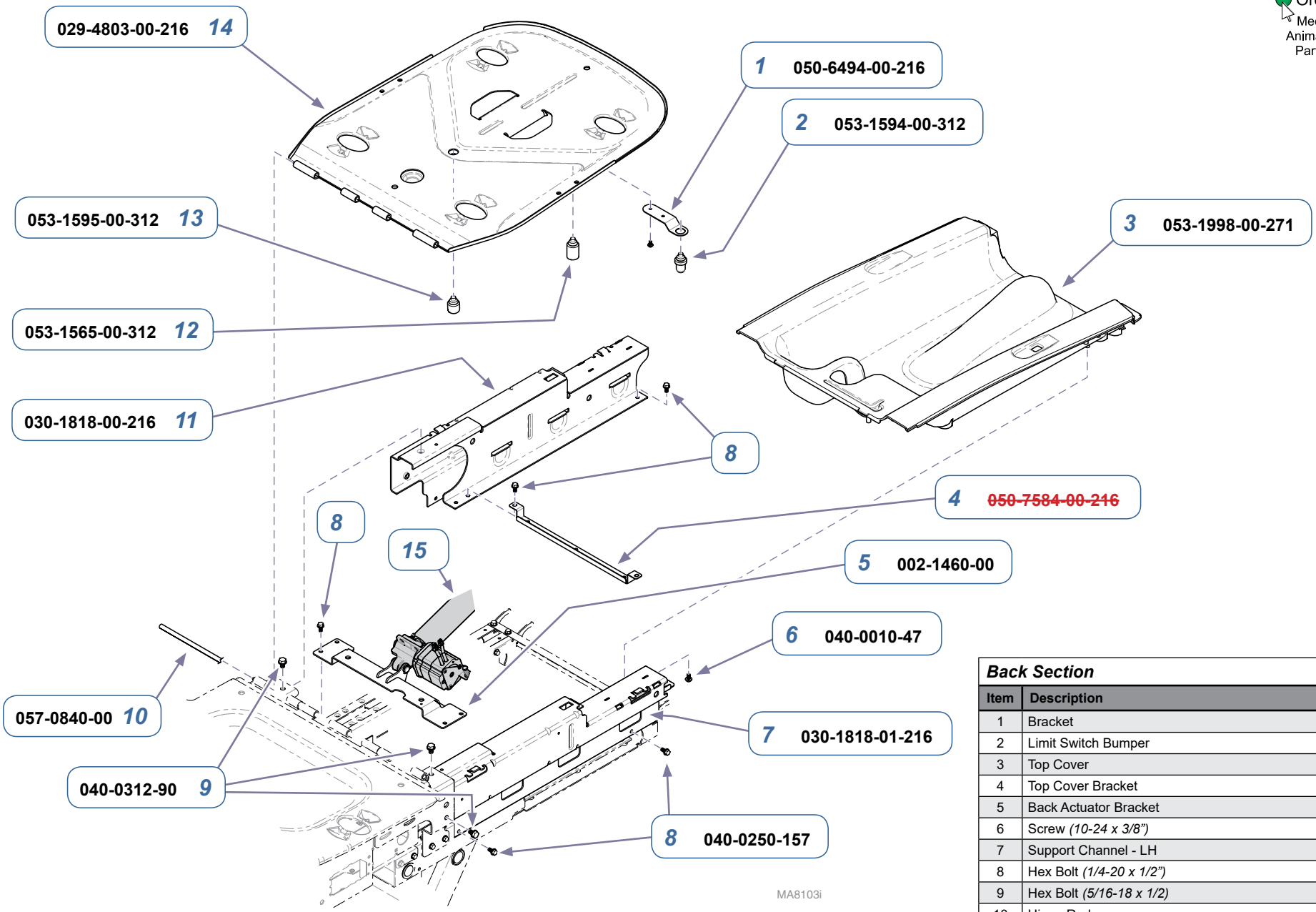
MA716200i

Pelvic Tilt

Item	Description	Qty.
1	Pelvic Tilt Assembly *(includes items 2 thru 5)*	1
2	• Pivot Pin	2
3	• Bumper	2
4	• Bracket	1
5	• Handle	2

Models:	625	
Serial Numbers:	all	

Always verify model & serial number

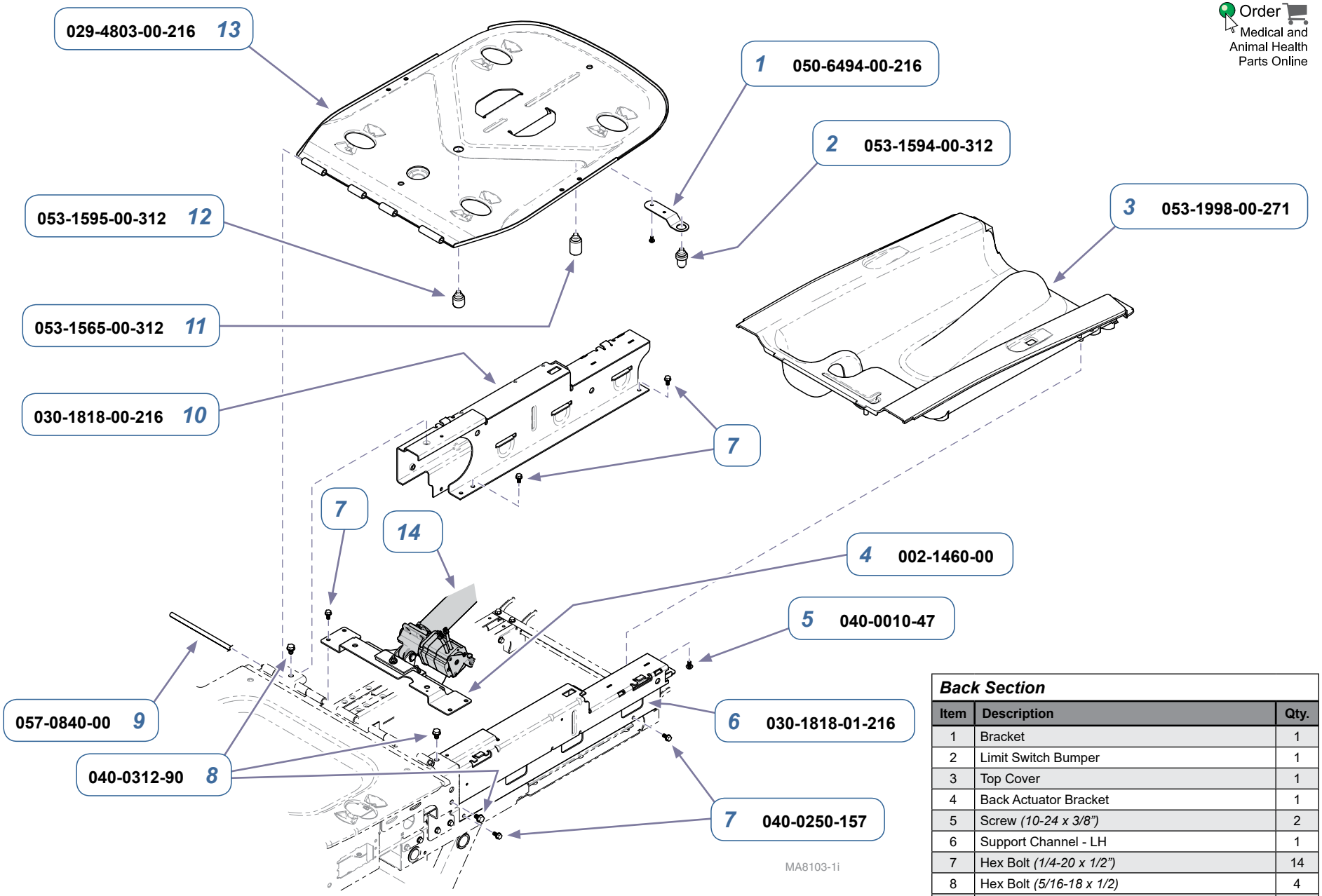


Back Section

Item	Description	Qty.
1	Bracket	1
2	Limit Switch Bumper	1
3	Top Cover	1
4	Top Cover Bracket	1
5	Back Actuator Bracket	1
6	Screw *(10-24 x 3/8")*	2
7	Support Channel - LH	1
8	Hex Bolt *(1/4-20 x 1/2")*	14
9	Hex Bolt *(5/16-18 x 1/2)*	4
10	Hinge Rod	1
11	Support Channel - RH	1
12	Bumper	2
13	Bumper	1
14	Back Weldment	1
15	Refer to: *"Back Actuator / Limit Switches"*	Ref

Models:	**625**	
Serial Numbers:	*V2200 thru V1083261*	

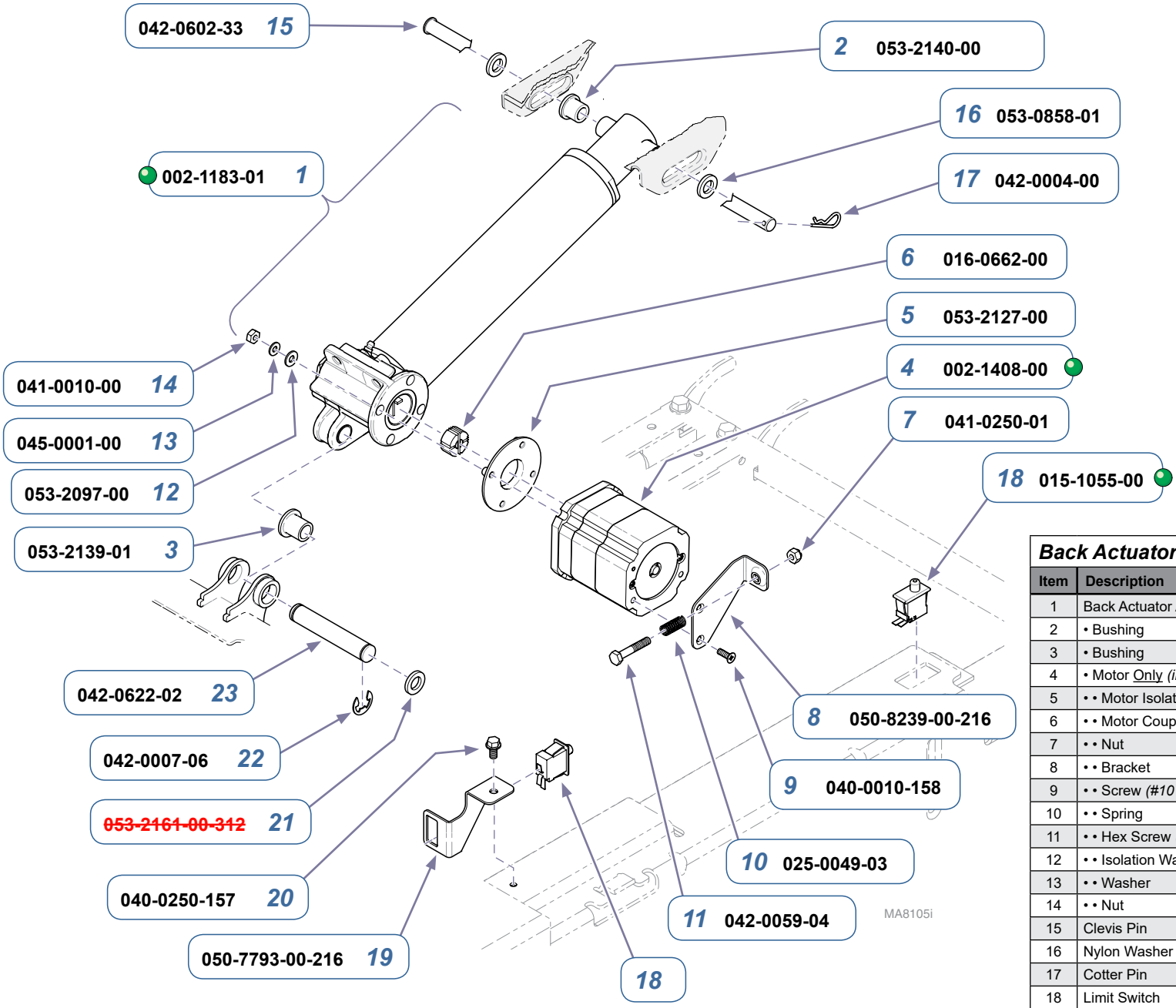
Always verify model & serial number



Back Section		
Item	**Description**	**Qty.**
1	Bracket	1
2	Limit Switch Bumper	1
3	Top Cover	1
4	Back Actuator Bracket	1
5	Screw *(10-24 x 3/8")*	2
6	Support Channel - LH	1
7	Hex Bolt *(1/4-20 x 1/2")*	14
8	Hex Bolt *(5/16-18 x 1/2)*	4
9	Hinge Rod	1
10	Support Channel - RH	1
11	Bumper	2
12	Bumper	1
13	Back Weldment	1
14	Refer to: *"Back Actuator / Limit Switches"*	Ref

Models:	***625***	
Serial Numbers:	*V1083262 thru Present*	

Always verify model & serial number



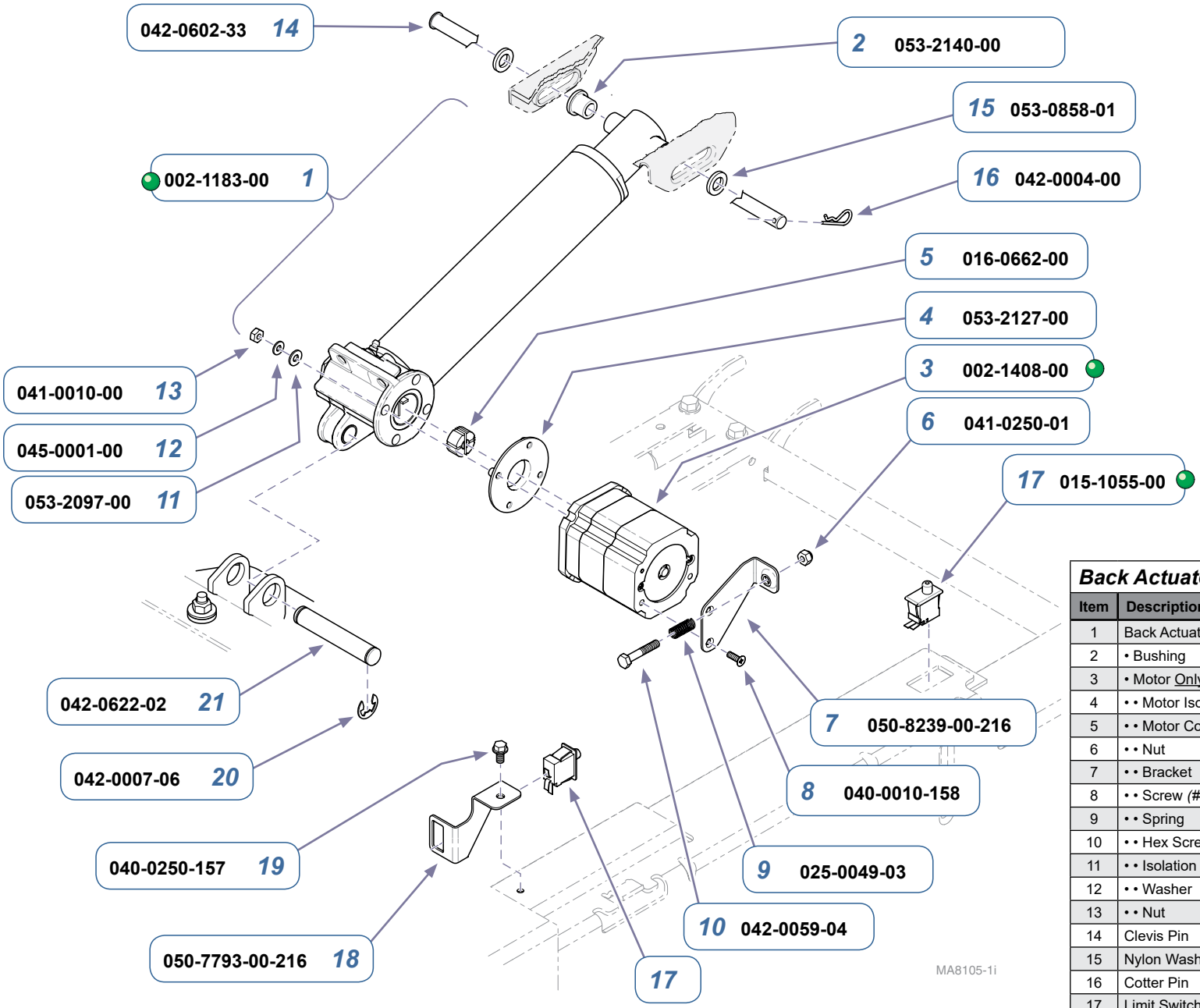
Back Actuator / Limit Switches

Item	Description	Qty.
1	Back Actuator Assembly *(incl. items 2 thru 4)*	1
2	• Bushing	2
3	• Bushing	2
4	• Motor Only *(includes items 5 thru 14)*	1
5	• • Motor Isolator	1
6	• • Motor Coupler	1
7	• • Nut	1
8	• • Bracket	1
9	• • Screw *(#10 x 32 x 1/4")*	2
10	• • Spring	1
11	• • Hex Screw *(1/4-20 x 1 1/2")*	1
12	• • Isolation Washer	2
13	• • Washer	2
14	• • Nut	2
15	Clevis Pin	1
16	Nylon Washer	2
17	Cotter Pin	1
18	Limit Switch	2
19	Bracket	1
20	Hex Screw	1
21	Rubber Washer	2
22	E-ring	2
23	Clevis Pin	1

Models:	625	
Serial Numbers:	V2200 thru V1083261	

 [Revised: 1/27/17

Always verify model & serial number

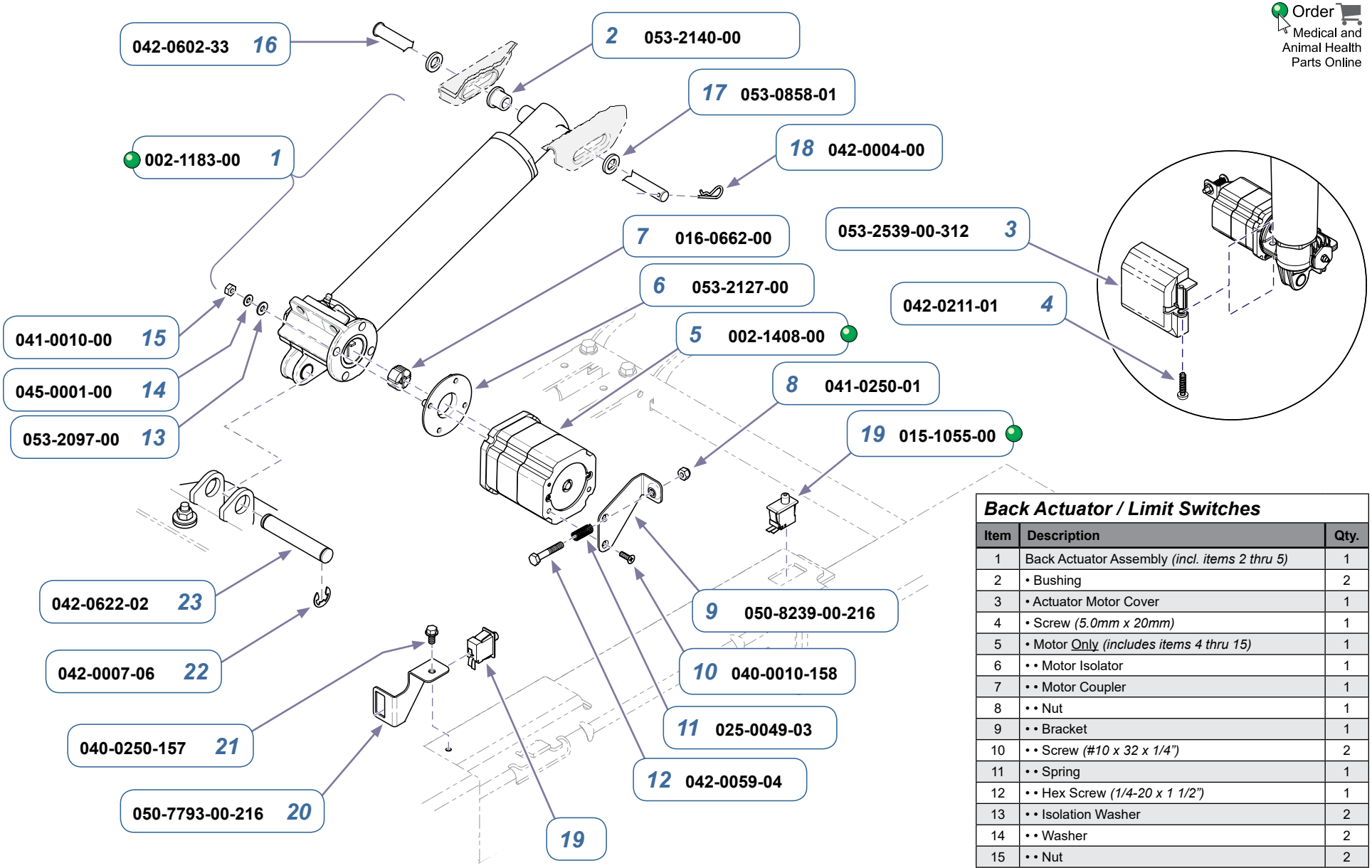


Models:	625	
Serial Numbers:	V1083262 thru V1513012	

Back Actuator / Limit Switches

Item	Description	Qty.
1	Back Actuator Assembly *(incl. items 2 & 3)*	1
2	• Bushing	2
3	• Motor Only *(includes items 4 thru 13)*	1
4	• • Motor Isolator	1
5	• • Motor Coupler	1
6	• • Nut	1
7	• • Bracket	1
8	• • Screw *(#10 x 32 x 1/4")*	2
9	• • Spring	1
10	• • Hex Screw *(1/4-20 x 1 1/2")*	1
11	• • Isolation Washer	2
12	• • Washer	2
13	• • Nut	2
14	Clevis Pin	1
15	Nylon Washer	2
16	Cotter Pin	1
17	Limit Switch	2
18	Bracket	1
19	Hex Screw	1
20	E-ring	2
21	Clevis Pin	1

Always verify model & serial number



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Back Actuator / Limit Switches

Item	Description	Qty.
1	Back Actuator Assembly *(incl. items 2 thru 5)*	1
2	• Bushing	2
3	• Actuator Motor Cover	1
4	• Screw *(5.0mm x 20mm)*	1
5	• Motor Only *(includes items 4 thru 15)*	1
6	• • Motor Isolator	1
7	• • Motor Coupler	1
8	• • Nut	1
9	• • Bracket	1
10	• • Screw *(#10 x 32 x 1/4")*	2
11	• • Spring	1
12	• • Hex Screw *(1/4-20 x 1 1/2")*	1
13	• • Isolation Washer	2
14	• • Washer	2
15	• • Nut	2
16	Clevis Pin	1
17	Nylon Washer	2
18	Cotter Pin	1
19	Limit Switch	2
20	Bracket	1
21	Hex Screw	1
22	E-ring	2
23	Clevis Pin	1

Models:	625	
Serial Numbers:	V1513013 thru Present	

Always verify model & serial number

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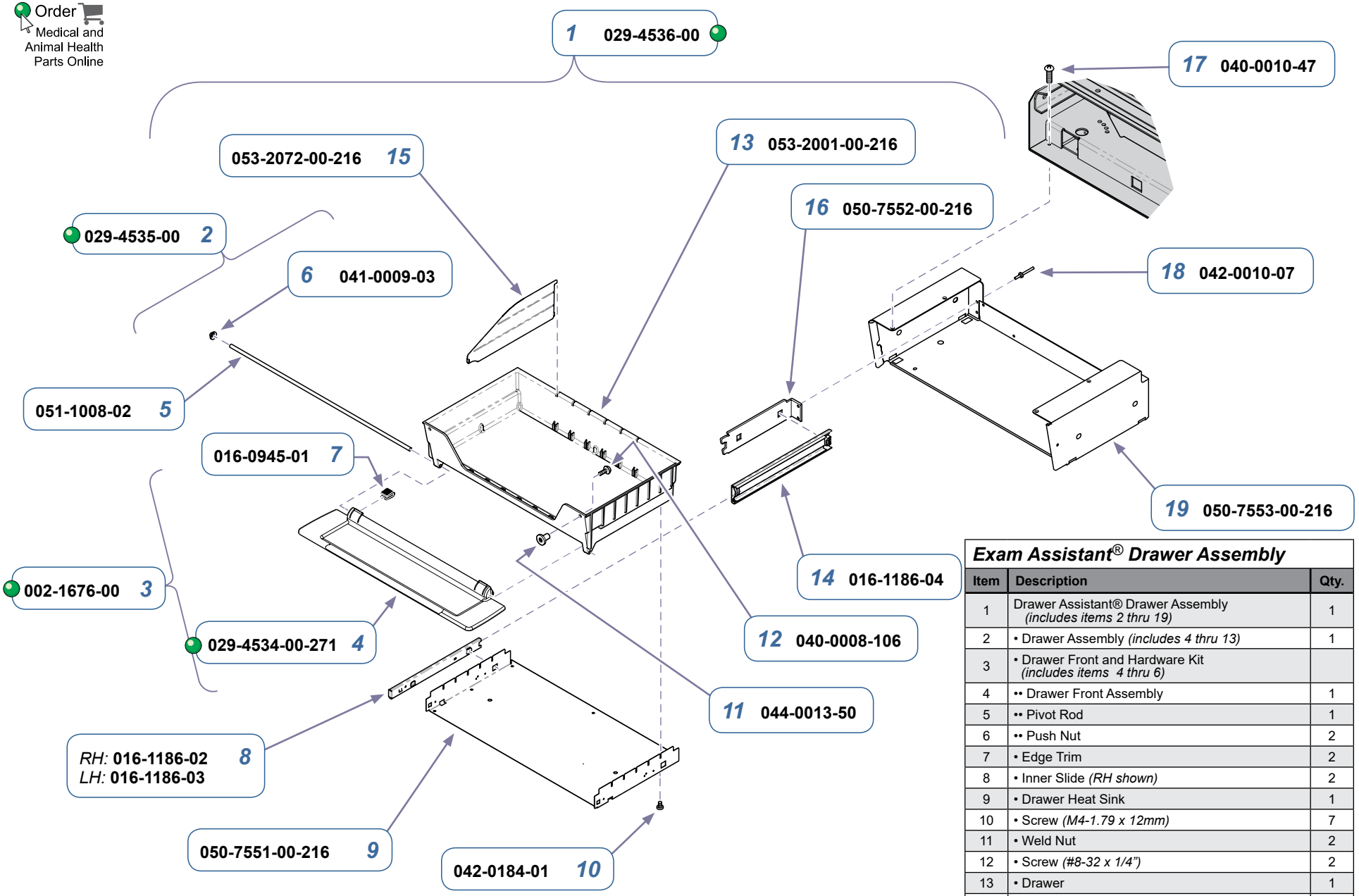

Exam Assistant® Drawer Assembly

Item	Description	Qty.
1	Drawer Assistant® Drawer Assembly *(includes items 2 thru 19)*	1
2	• Drawer Assembly *(includes 4 thru 13)*	1
3	• Drawer Front and Hardware Kit *(includes items 4 thru 6)*	
4	•• Drawer Front Assembly	1
5	•• Pivot Rod	1
6	•• Push Nut	2
7	• Edge Trim	2
8	• Inner Slide *(RH shown)*	2
9	• Drawer Heat Sink	1
10	• Screw *(M4-1.79 x 12mm)*	7
11	• Weld Nut	2
12	• Screw *(#8-32 x 1/4")*	2
13	• Drawer	1
14	• Outer & Middle Slide Assembly	2
15	• Drawer Divider	2
16	• Side Bracket	2
17	• Screw	4
18	• Pop Rivet	4
19	• Drawer Housing	1

Models:	**625**	
Serial Numbers:	*V2200 thru V1307858*	

Always verify model & serial number

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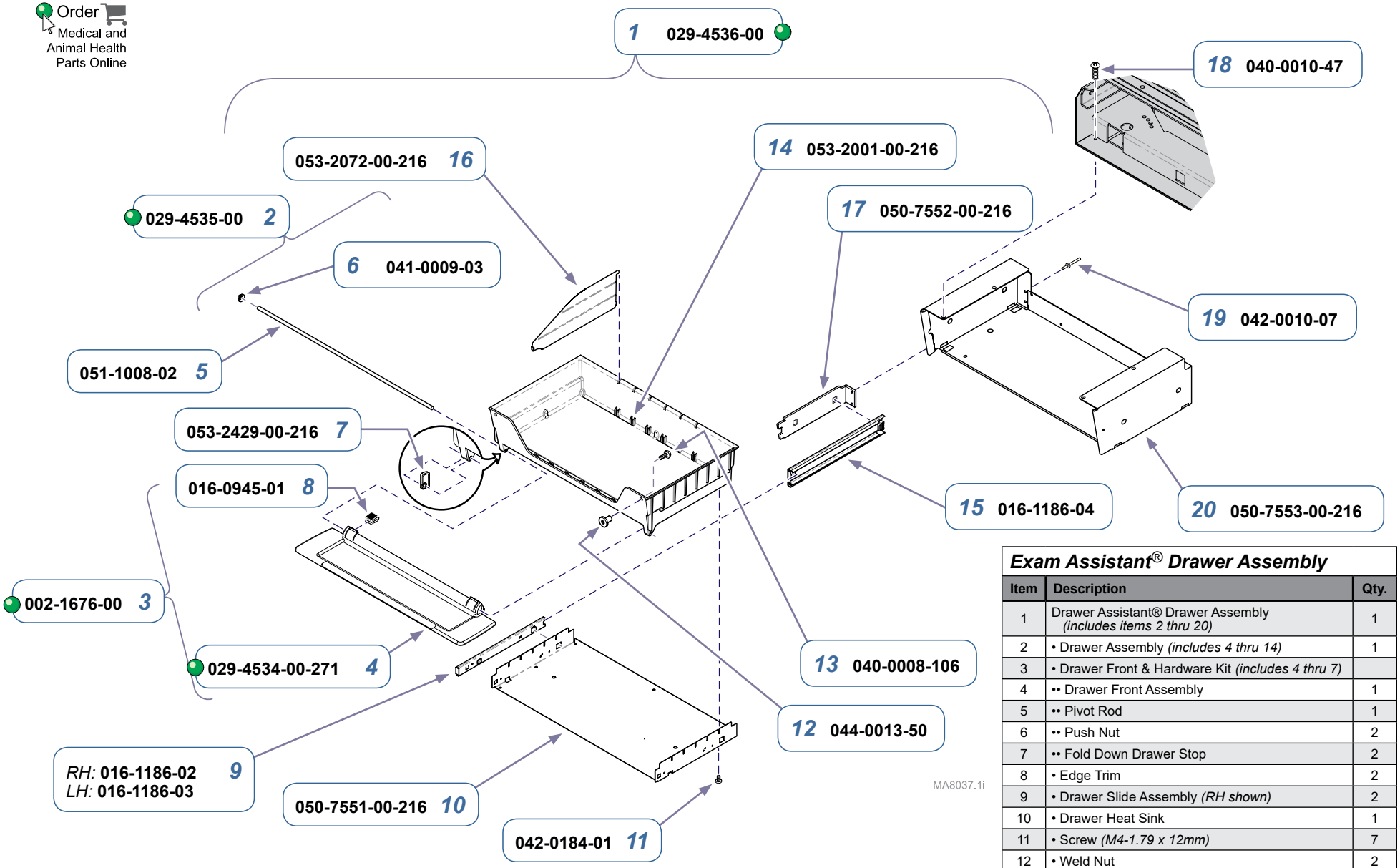

Exam Assistant® Drawer Assembly

Item	Description	Qty.
1	Drawer Assistant® Drawer Assembly *(includes items 2 thru 20)*	1
2	• Drawer Assembly *(includes 4 thru 14)*	1
3	• Drawer Front & Hardware Kit *(includes 4 thru 7)*	
4	•• Drawer Front Assembly	1
5	•• Pivot Rod	1
6	•• Push Nut	2
7	•• Fold Down Drawer Stop	2
8	• Edge Trim	2
9	• Drawer Slide Assembly *(RH shown)*	2
10	• Drawer Heat Sink	1
11	• Screw *(M4-1.79 x 12mm)*	7
12	• Weld Nut	2
13	• Screw *(#8-32 x 1/4")*	2
14	• Drawer	1
15	• Outer & Middle Slide Assembly	2
16	• Drawer Divider	2
17	• Side Bracket	2
18	• Screw	4
19	• Pop Rivet	4
20	• Drawer Housing	1

Models:	**625**	
Serial Numbers:	*V1307859 thru Present*	

Always verify model & serial number

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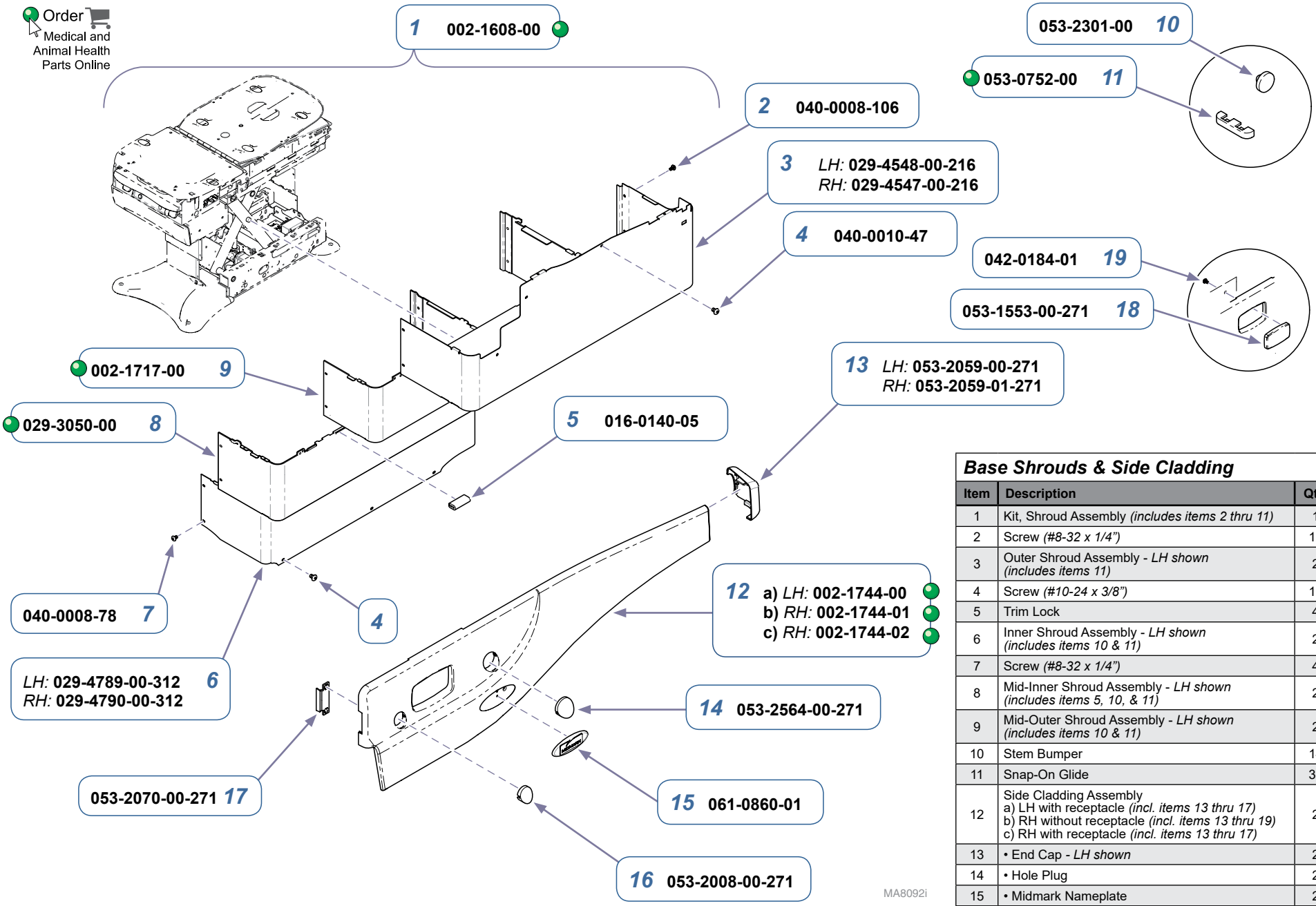
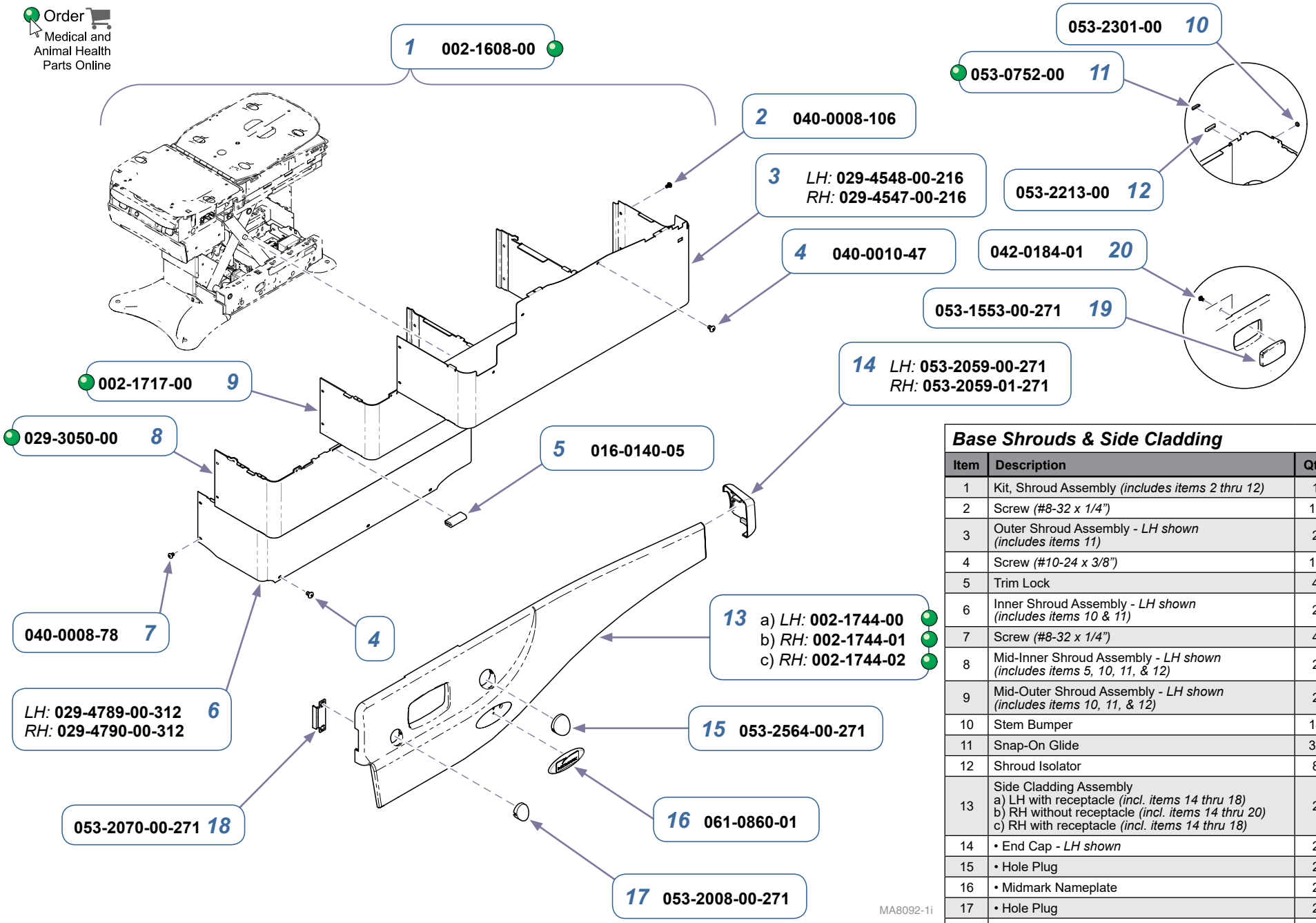


Base Shrouds & Side Cladding

Item	Description	Qty.
1	Kit, Shroud Assembly *(includes items 2 thru 11)*	1
2	Screw *(#8-32 x 1/4")*	12
3	Outer Shroud Assembly - *LH shown* *(includes items 11)*	2
4	Screw *(#10-24 x 3/8")*	10
5	Trim Lock	4
6	Inner Shroud Assembly - *LH shown* *(includes items 10 & 11)*	2
7	Screw *(#8-32 x 1/4")*	4
8	Mid-Inner Shroud Assembly - *LH shown* *(includes items 5, 10, & 11)*	2
9	Mid-Outer Shroud Assembly - *LH shown* *(includes items 10 & 11)*	2
10	Stem Bumper	14
11	Snap-On Glide	32
12	Side Cladding Assembly a) LH with receptacle *(incl. items 13 thru 17)* b) RH without receptacle *(incl. items 13 thru 19)* c) RH with receptacle *(incl. items 13 thru 17)*	2
13	• End Cap - *LH shown*	2
14	• Hole Plug	2
15	• Midmark Nameplate	2
16	• Hole Plug	2
17	• Knee Crutch Access Cover	2
	Items 18 & 19 apply only to models w/o receptacle	
18	• Receptacle Hole Cover	1
19	• Screw (M4 x 12)	2

Models:	**625**
Serial Numbers:	*V2200 thru V1077078*

Always verify model & serial number



Base Shrouds & Side Cladding

Item	Description	Qty.
1	Kit, Shroud Assembly *(includes items 2 thru 12)*	1
2	Screw *(#8-32 x 1/4")*	12
3	Outer Shroud Assembly - *LH shown* *(includes items 11)*	2
4	Screw *(#10-24 x 3/8")*	10
5	Trim Lock	4
6	Inner Shroud Assembly - *LH shown* *(includes items 10 & 11)*	2
7	Screw *(#8-32 x 1/4")*	4
8	Mid-Inner Shroud Assembly - *LH shown* *(includes items 5, 10, 11, & 12)*	2
9	Mid-Outer Shroud Assembly - *LH shown* *(includes items 10, 11, & 12)*	2
10	Stem Bumper	14
11	Snap-On Glide	32
12	Shroud Isolator	8
13	Side Cladding Assembly a) LH with receptacle *(incl. items 14 thru 18)* b) RH without receptacle *(incl. items 14 thru 20)* c) RH with receptacle *(incl. items 14 thru 18)*	2
14	• End Cap - *LH shown*	2
15	• Hole Plug	2
16	• Midmark Nameplate	2
17	• Hole Plug	2
18	• Knee Crutch Access Cover	2
	Items 19 & 20 apply only to models w/o receptacle	
19	• Receptacle Hole Cover	1
20	• Screw (M4 x 12)	2

Models:	**625**
Serial Numbers:	*V1077079 thru V1089389*

Always verify model & serial number

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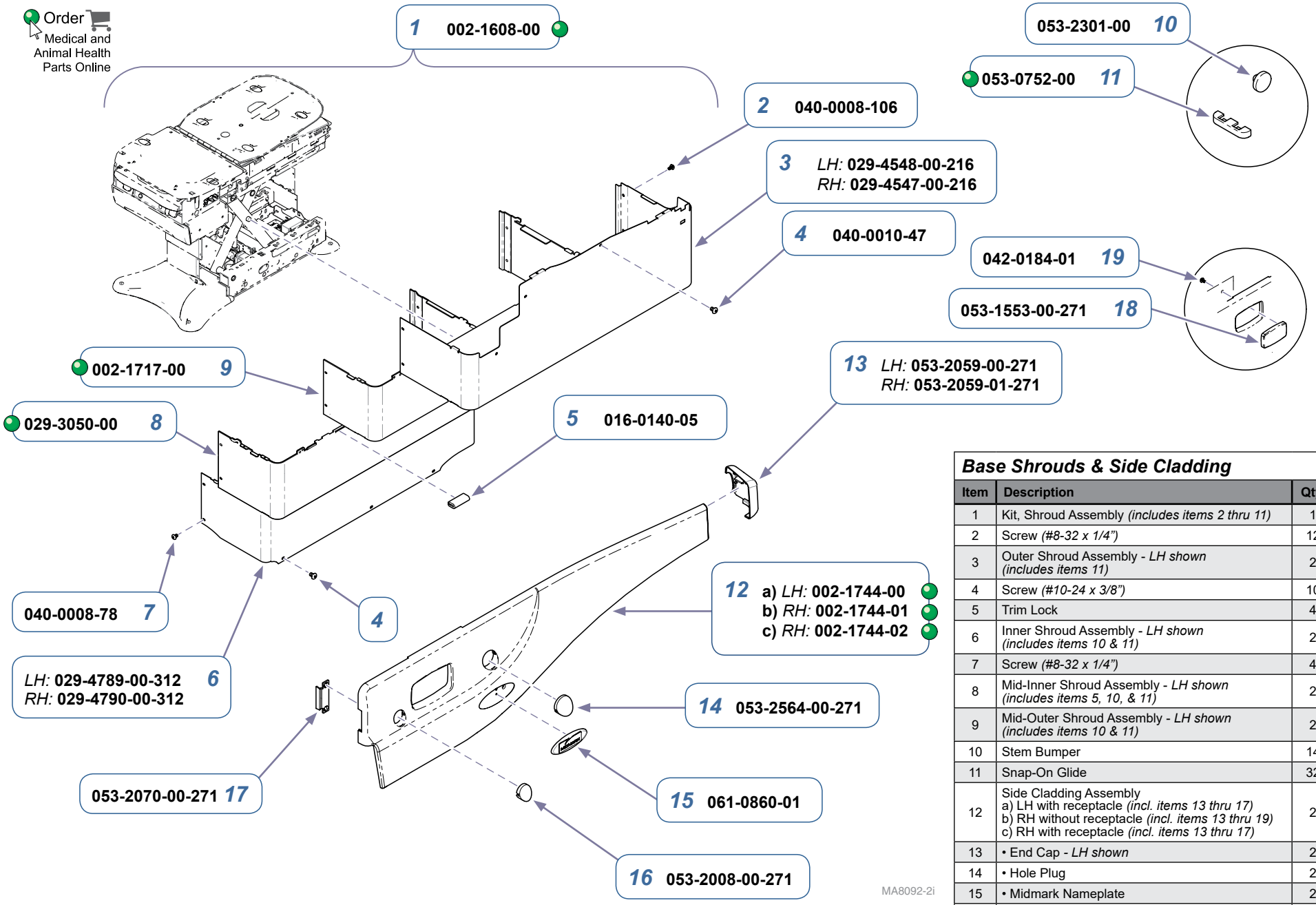
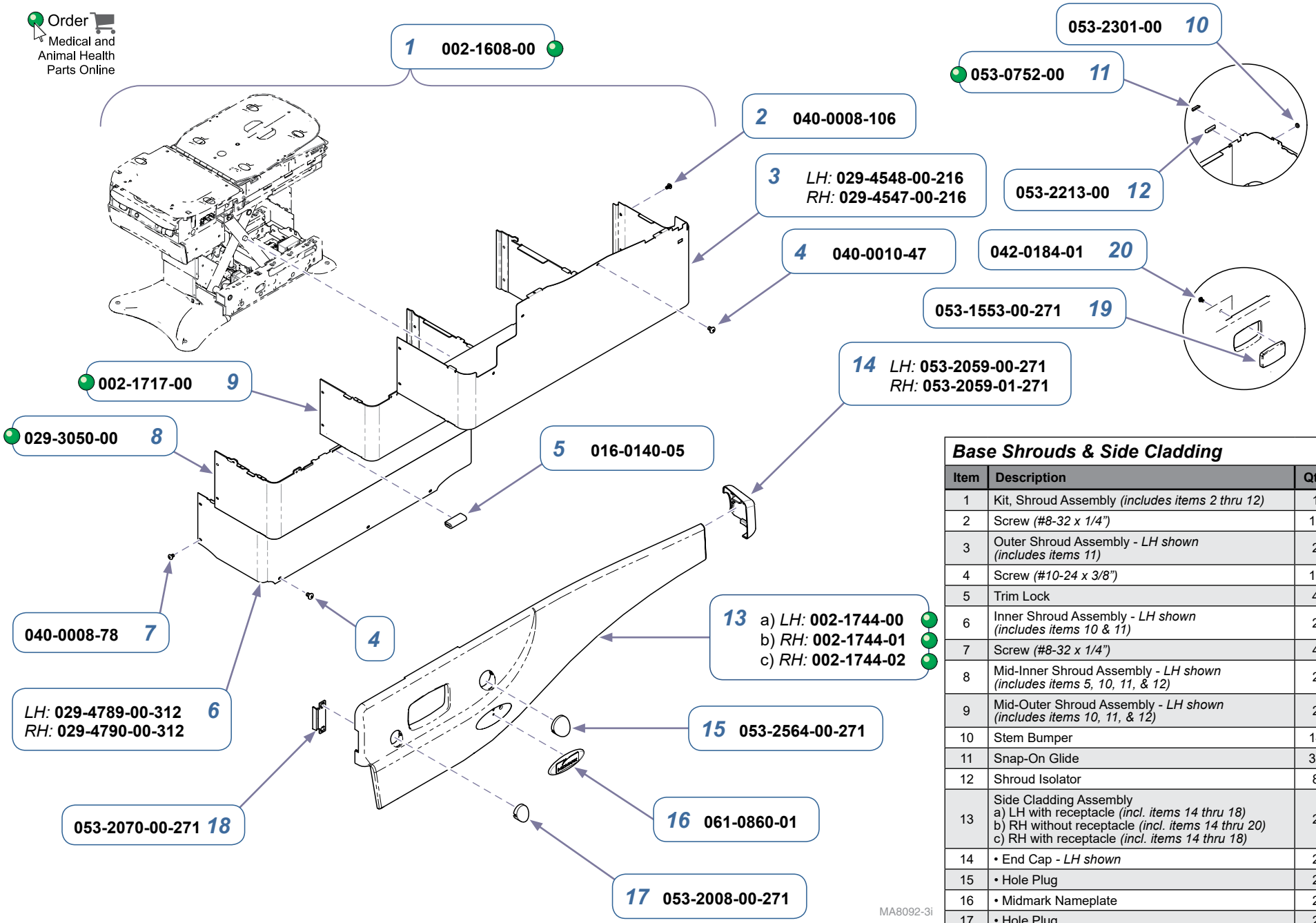


Base Shrouds & Side Cladding

Item	Description	Qty.
1	Kit, Shroud Assembly *(includes items 2 thru 11)*	1
2	Screw *(#8-32 x 1/4")*	12
3	Outer Shroud Assembly - *LH shown* *(includes items 11)*	2
4	Screw *(#10-24 x 3/8")*	10
5	Trim Lock	4
6	Inner Shroud Assembly - *LH shown* *(includes items 10 & 11)*	2
7	Screw *(#8-32 x 1/4")*	4
8	Mid-Inner Shroud Assembly - *LH shown* *(includes items 5, 10, & 11)*	2
9	Mid-Outer Shroud Assembly - *LH shown* *(includes items 10 & 11)*	2
10	Stem Bumper	14
11	Snap-On Glide	32
12	Side Cladding Assembly a) LH with receptacle *(incl. items 13 thru 17)* b) RH without receptacle *(incl. items 13 thru 19)* c) RH with receptacle *(incl. items 13 thru 17)*	2
13	• End Cap - *LH shown*	2
14	• Hole Plug	2
15	• Midmark Nameplate	2
16	• Hole Plug	2
17	• Knee Crutch Access Cover	2
	Items 18 & 19 apply only to models w/o receptacle	
18	• Receptacle Hole Cover	1
19	• Screw (M4 x 12)	2

Models:	**625**
Serial Numbers:	*V1089390 thru V1099004*

Always verify model & serial number



Base Shrouds & Side Cladding

Item	Description	Qty.
1	Kit, Shroud Assembly *(includes items 2 thru 12)*	1
2	Screw *(#8-32 x 1/4")*	12
3	Outer Shroud Assembly - *LH shown* *(includes items 11)*	2
4	Screw *(#10-24 x 3/8")*	10
5	Trim Lock	4
6	Inner Shroud Assembly - *LH shown* *(includes items 10 & 11)*	2
7	Screw *(#8-32 x 1/4")*	4
8	Mid-Inner Shroud Assembly - *LH shown* *(includes items 5, 10, 11, & 12)*	2
9	Mid-Outer Shroud Assembly - *LH shown* *(includes items 10, 11, & 12)*	2
10	Stem Bumper	14
11	Snap-On Glide	32
12	Shroud Isolator	8
13	Side Cladding Assembly a) LH with receptacle *(incl. items 14 thru 18)* b) RH without receptacle *(incl. items 14 thru 20)* c) RH with receptacle *(incl. items 14 thru 18)*	2
14	• End Cap - *LH shown*	2
15	• Hole Plug	2
16	• Midmark Nameplate	2
17	• Hole Plug	2
18	• Knee Crutch Access Cover	2
	Items 19 & 20 apply only to models w/o receptacle	
19	• Receptacle Hole Cover	1
20	• Screw (M4 x 12)	2

Models:	**625**
Serial Numbers:	*V1099005 - V1563949*

Always verify model & serial number

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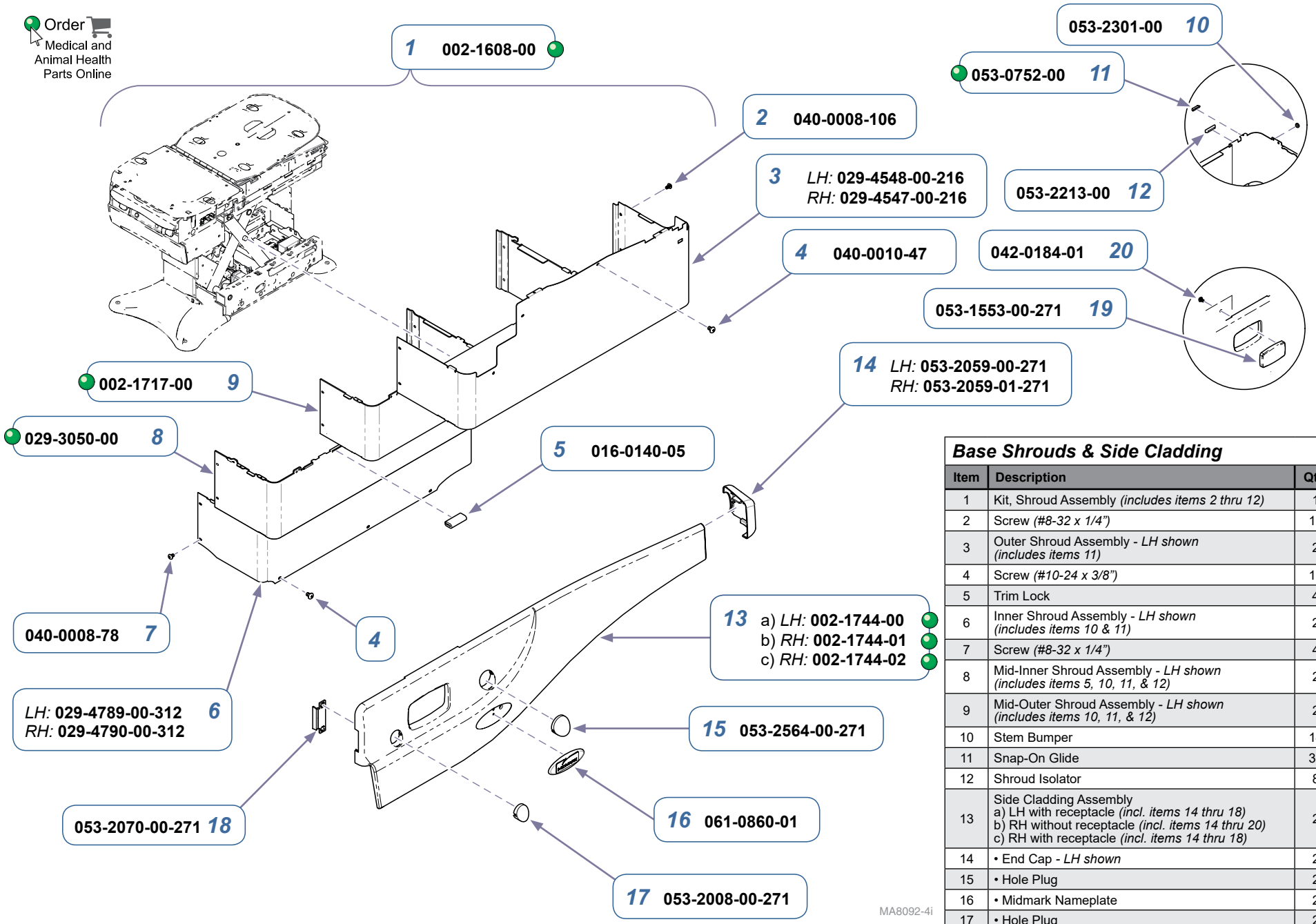
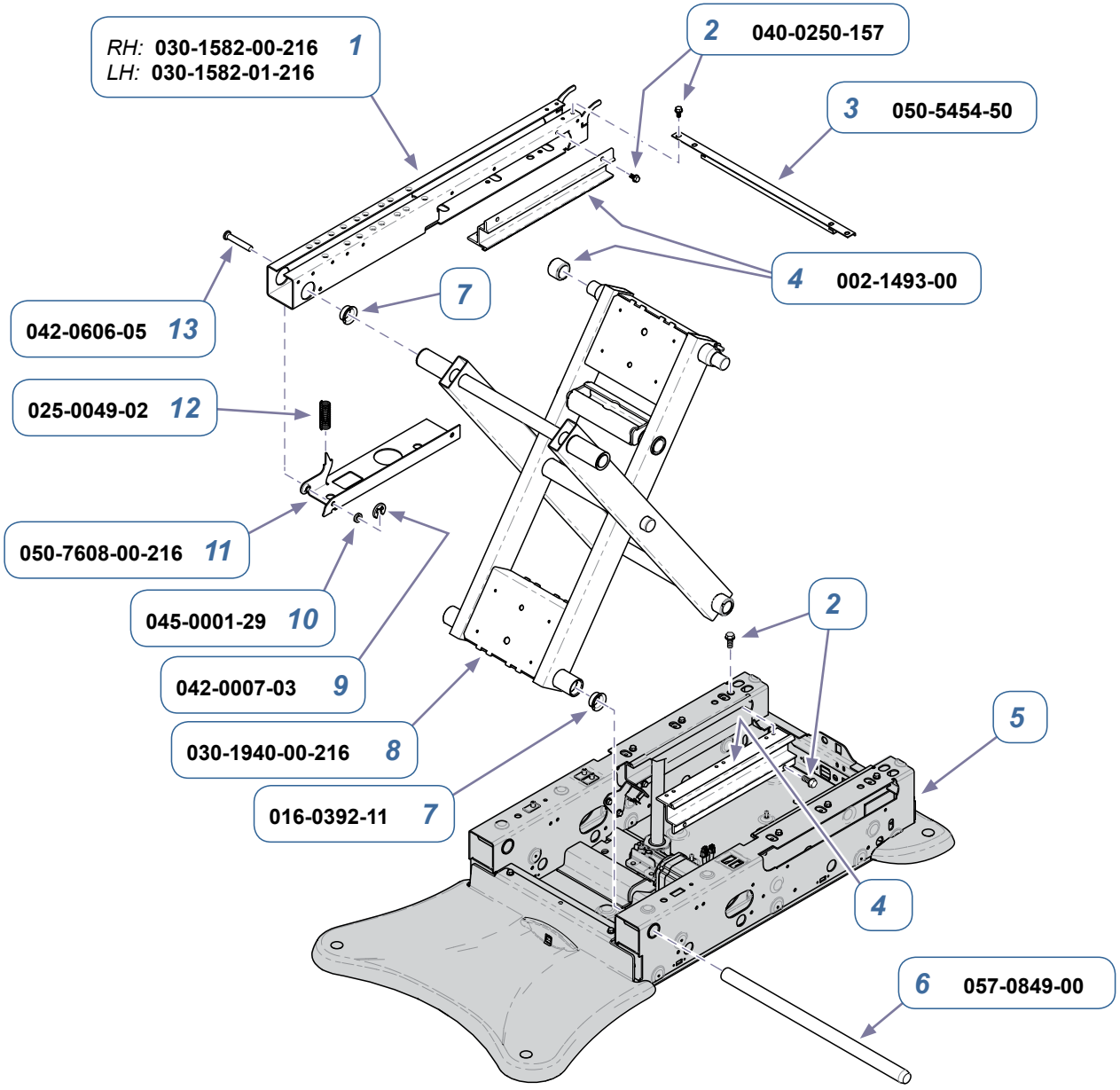


Base Shrouds & Side Cladding

Item	Description	Qty.
1	Kit, Shroud Assembly *(includes items 2 thru 12)*	1
2	Screw *(#8-32 x 1/4")*	12
3	Outer Shroud Assembly - *LH shown* *(includes items 11)*	2
4	Screw *(#10-24 x 3/8")*	10
5	Trim Lock	4
6	Inner Shroud Assembly - *LH shown* *(includes items 10 & 11)*	2
7	Screw *(#8-32 x 1/4")*	4
8	Mid-Inner Shroud Assembly - *LH shown* *(includes items 5, 10, 11, & 12)*	2
9	Mid-Outer Shroud Assembly - *LH shown* *(includes items 10, 11, & 12)*	2
10	Stem Bumper	14
11	Snap-On Glide	32
12	Shroud Isolator	8
13	Side Cladding Assembly a) LH with receptacle *(incl. items 14 thru 18)* b) RH without receptacle *(incl. items 14 thru 20)* c) RH with receptacle *(incl. items 14 thru 18)*	2
14	• End Cap - *LH shown*	2
15	• Hole Plug	2
16	• Midmark Nameplate	2
17	• Hole Plug	2
18	• Knee Crutch Access Cover	2
	Items 19 & 20 apply only to models w/o receptacle	
19	• Receptacle Hole Cover	1
20	• Screw (M4 x 12)	2

Models:	**625**
Serial Numbers:	*V1563950 - Present*

Always verify model & serial number

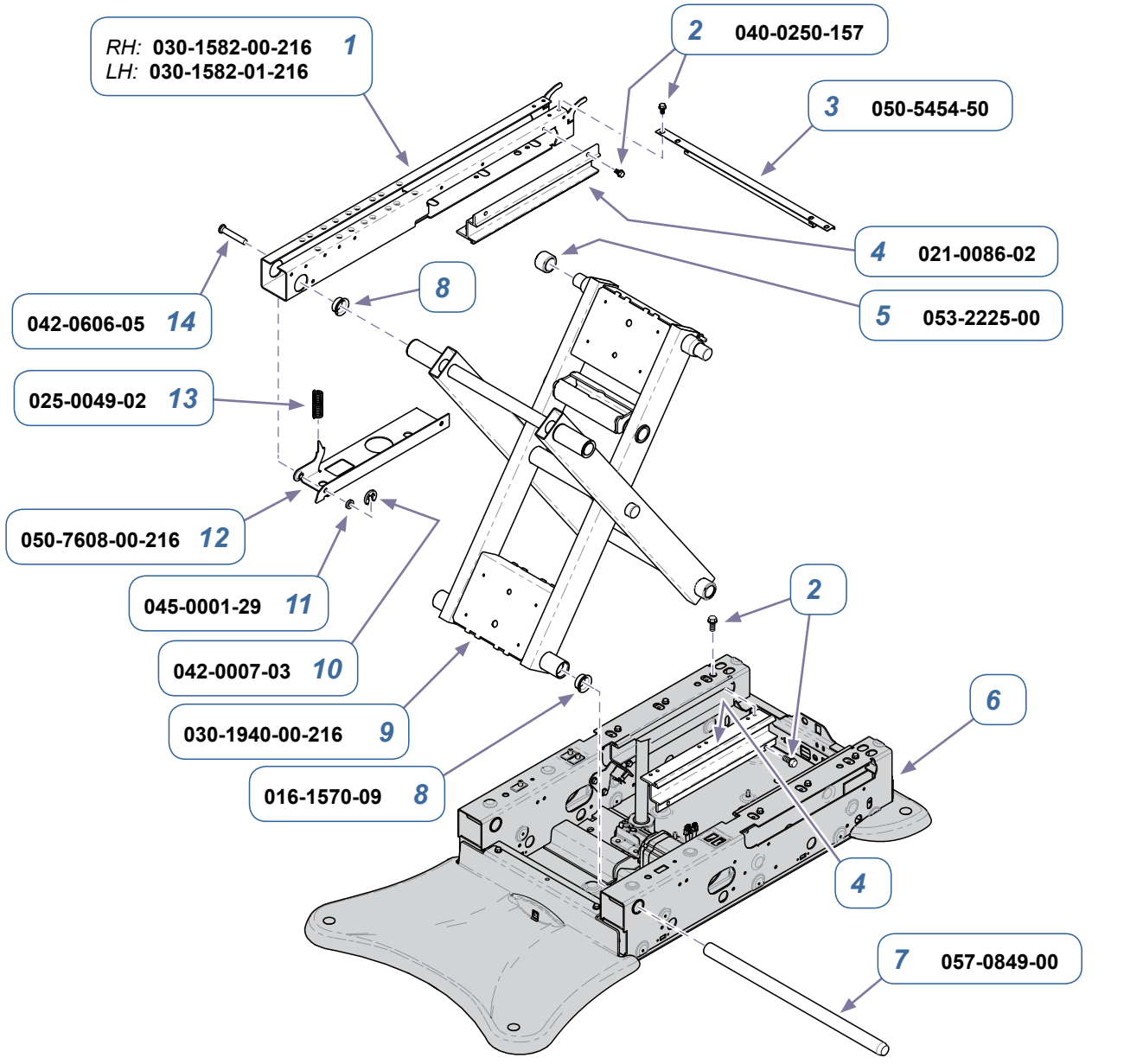


Base Scissor / Slide Mechanism

Item	Description	Qty.
1	Scissor Channel Weldment *(RH shown)*	2
2	Flat Head Screw (1/4-20 x 1/2")	4
3	Top Cover Support Channel	1
4	Kit, Scissor Rollers	1
5	Refer to: *"Base Components"*	Ref
6	Pivot Shaft	1
7	Flange Bearing	4
8	Scissor Arm Weldment	1
9	E-clip	1
10	Washer	1
11	Auto Return ("Home") Switch Strike	1
12	Spring	1
13	Clevis Pin	1

Models:	**625**	
Serial Numbers:	*V2200 thru V1158421*	

Always verify model & serial number

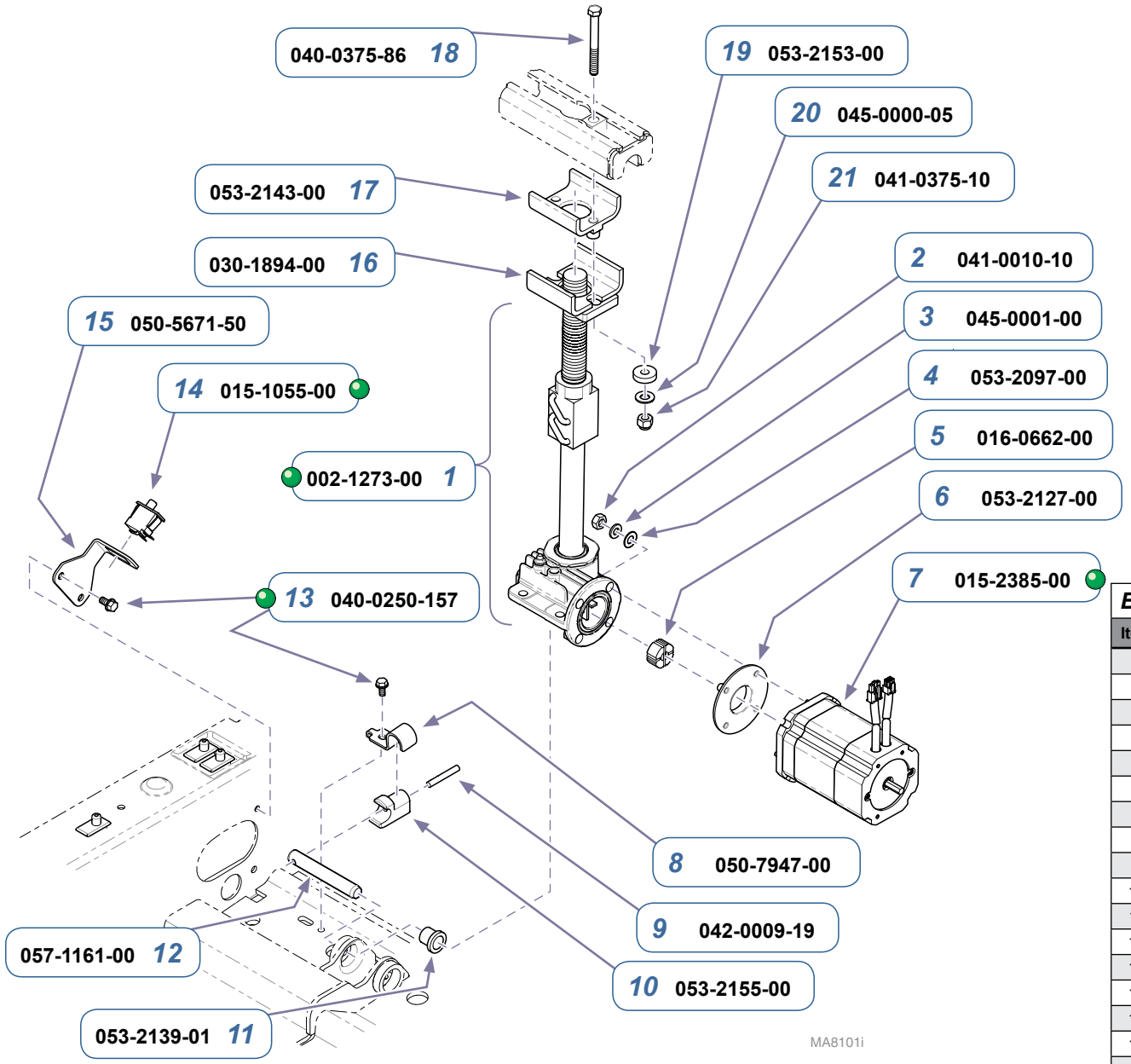


Base Scissor / Slide Mechanism

Item	Description	Qty.
1	Scissor Channel Weldment *(RH shown)*	2
2	Flat Head Screw (1/4-20 x 1/2")	4
3	Top Cover Support Channel	1
4	Extrusion Slide	2
5	Bearing Guide	4
6	Refer to: *"Base Components"*	Ref
7	Pivot Shaft	1
8	Flange Bearing	4
9	Scissor Arm Weldment	1
10	E-clip	1
11	Washer	1
12	Auto Return ("Home") Switch Strike	1
13	Spring	1
14	Clevis Pin	1

Models:	**625**	
Serial Numbers:	*V1158422 thru Present*	

Always verify model & serial number

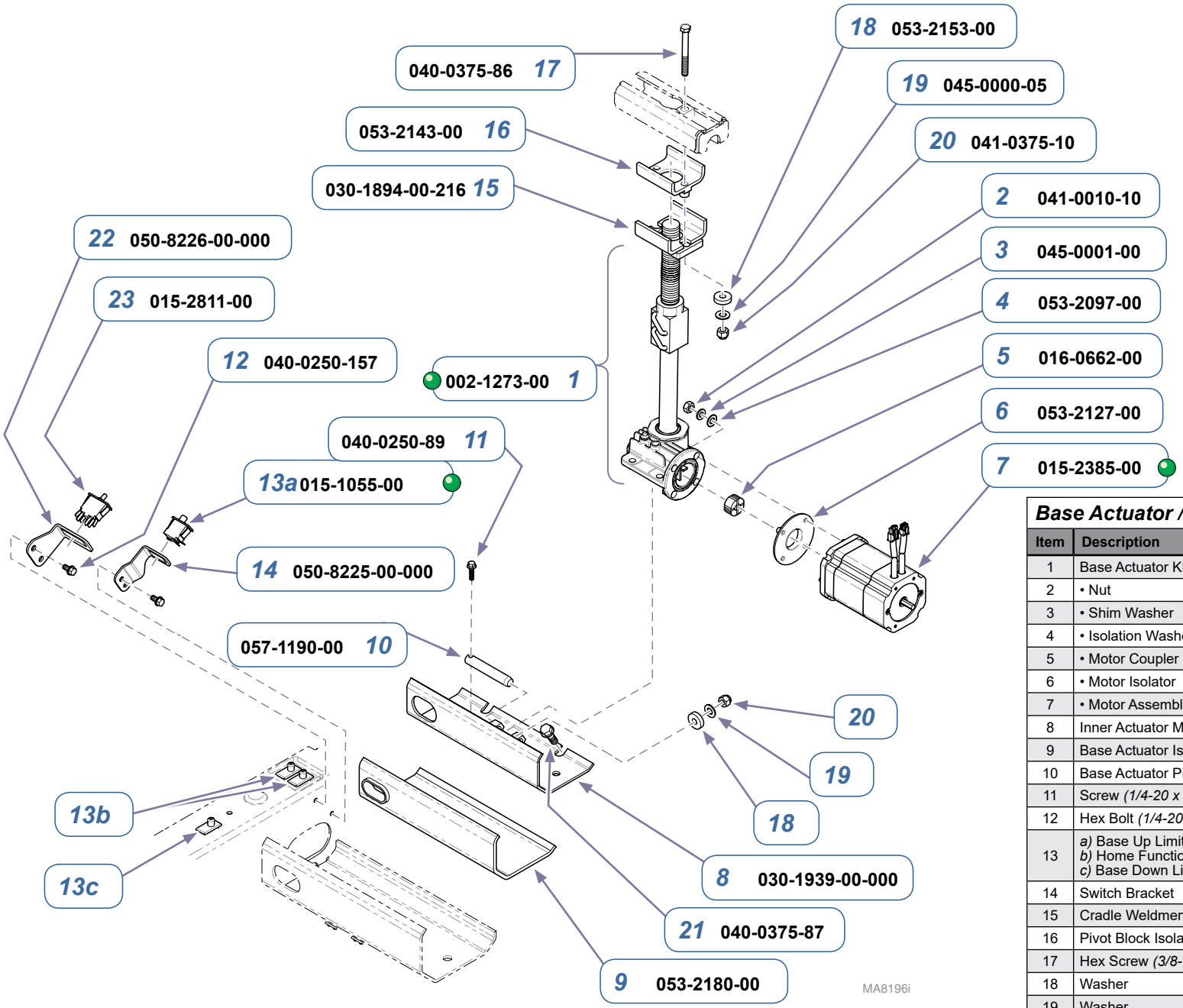


Base Actuator / Limit Switches

Item	Description	Qty.
1	Base Actuator Kit *(includes items 2 thru 7)*	1
2	• Nut	2
3	• Shim Washer	2
4	• Isolation Washer	2
5	• Motor Coupler	1
6	• Motor Isolator	1
7	• Motor Assembly	1
8	Isolator Clamp	1
9	Groove Pin	1
10	Actuator Pin Isolator	1
11	Bushing	2
12	Base Actuator Pin	1
13	Hex Bolt *(1/4-20 x 1/2")*	3
14	Limit Switch	4
15	Switch Bracket	1
16	Cradle Weldment	1
17	Pivot Block Isolator	1
18	Hex Screw *(3/8-16 x 3 1/2")*	2
19	Washer	2
20	Washer	2
21	Nut	2

Models:	**625**	
Serial Numbers:	*V2200 thru V968527*	

Always verify model & serial number



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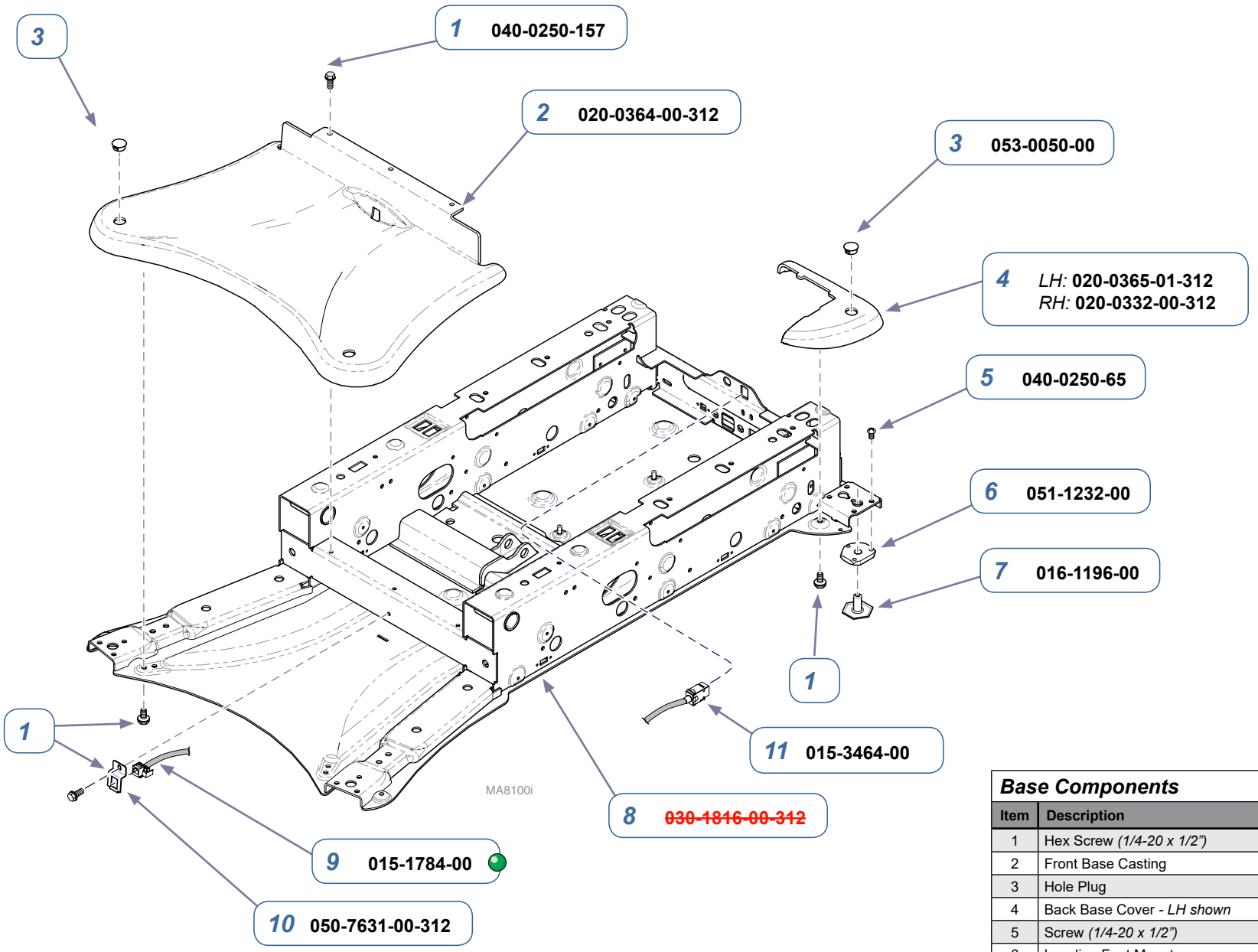
Base Actuator / Limit Switches

Item	Description	Qty.
1	Base Actuator Kit *(includes items 2 thru 7)*	1
2	• Nut	2
3	• Shim Washer	2
4	• Isolation Washer	2
5	• Motor Coupler	1
6	• Motor Isolator	1
7	• Motor Assembly	1
8	Inner Actuator Mount	1
9	Base Actuator Isolator	1
10	Base Actuator Pin	1
11	Screw *(1/4-20 x 1")*	2
12	Hex Bolt *(1/4-20 x 1/2")*	4
13	*a)* Base Up Limit Switch *b)* Home Function Limit Switches *c)* Base Down Limit Switch	4
14	Switch Bracket	1
15	Cradle Weldment	1
16	Pivot Block Isolator	1
17	Hex Screw *(3/8-16 x 3 1/2")*	2
18	Washer	4
19	Washer	4
20	Nut	4
21	Hex Washer Head Screw *(3/8-16 x 1 1/8")*	2
22	Switch Bracket	1
23	Over Travel Limit Switch	1

Models:	**625**
Serial Numbers:	*V968528 thru present*

Always verify model & serial number

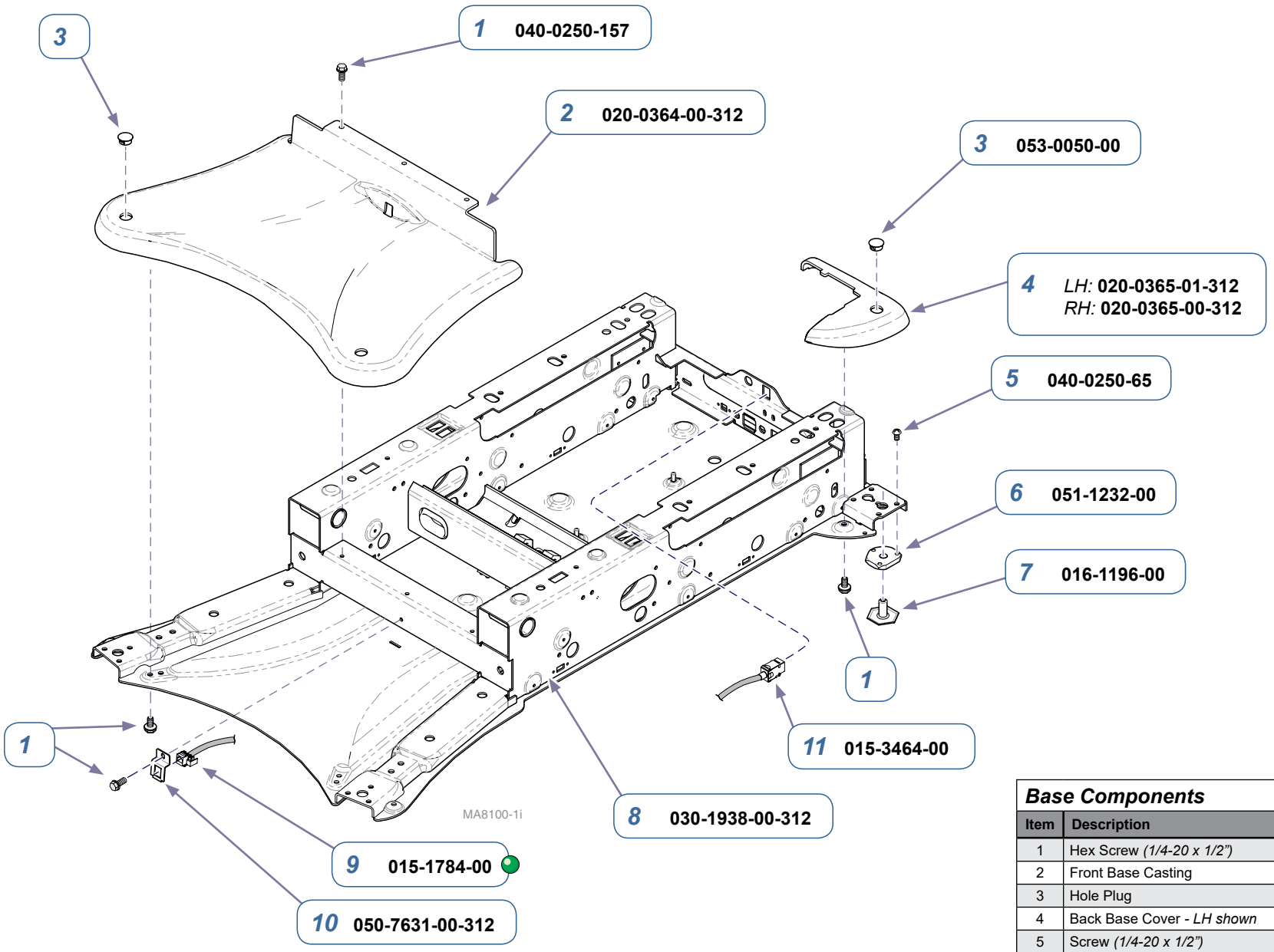


Base Components

Item	Description	Qty.
1	Hex Screw *(1/4-20 x 1/2")*	11
2	Front Base Casting	1
3	Hole Plug	4
4	Back Base Cover - *LH shown*	2
5	Screw *(1/4-20 x 1/2")*	6
6	Leveling Foot Mount	2
7	Leveling Foot	2
8	Base Weldment	1
9	Foot Control Harness	1
10	Bracket	1
11	Hand Control Harness	1

Models:	**625 (-001 /-003 /-005 /-006)**	
Serial Numbers:	*V2200 thru V968527*	

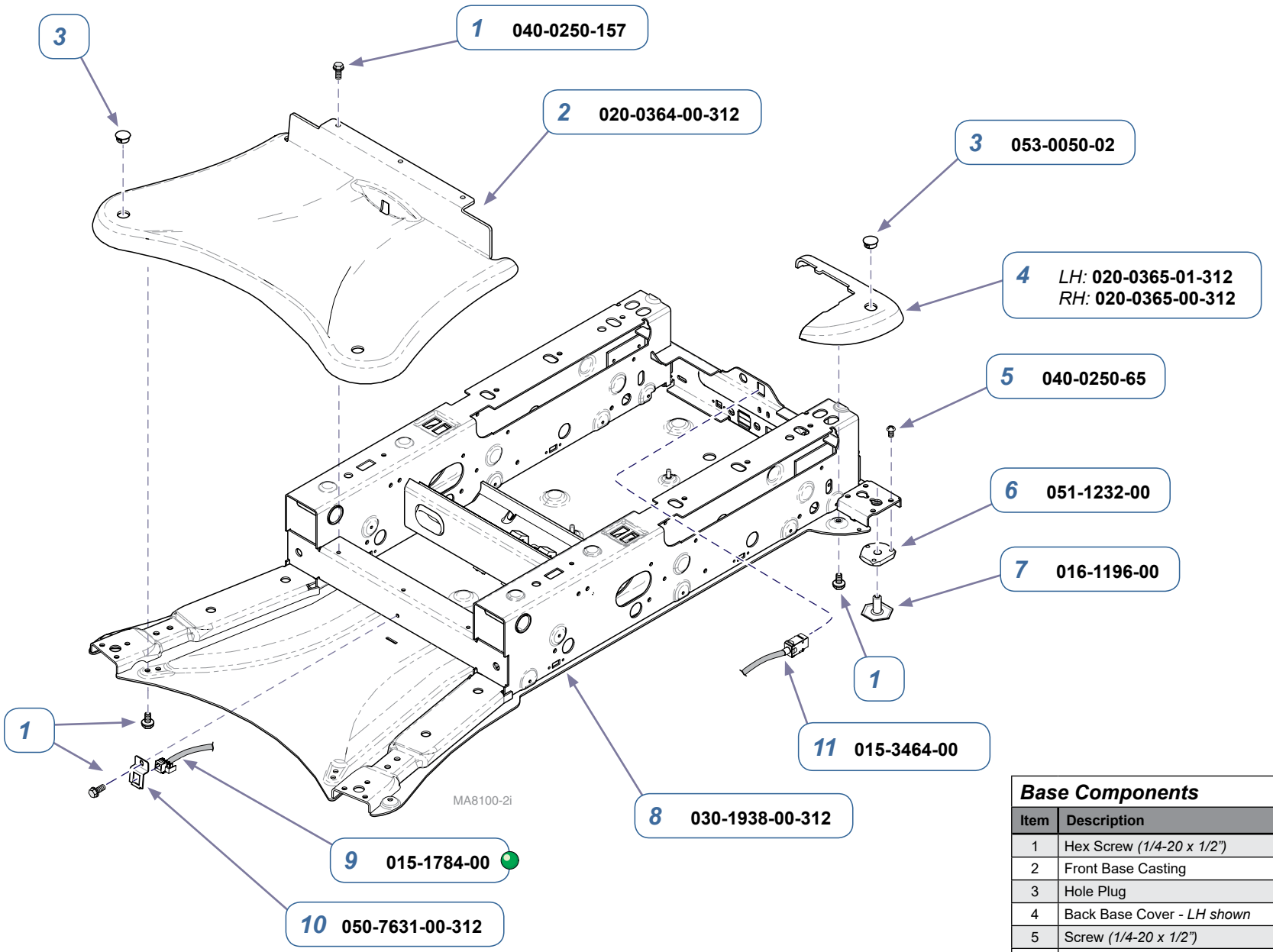
Always verify model & serial number



Base Components		
Item	**Description**	**Qty.**
1	Hex Screw *(1/4-20 x 1/2")*	11
2	Front Base Casting	1
3	Hole Plug	4
4	Back Base Cover - *LH shown*	2
5	Screw *(1/4-20 x 1/2")*	6
6	Leveling Foot Mount	2
7	Leveling Foot	2
8	Base Weldment	1
9	Foot Control Harness	1
10	Bracket	1
11	Hand Control Harness	1

Models:	***625 (-001 /-003 /-005 /-006)***
Serial Numbers:	*V968528 thru V1182355*

Always verify model & serial number

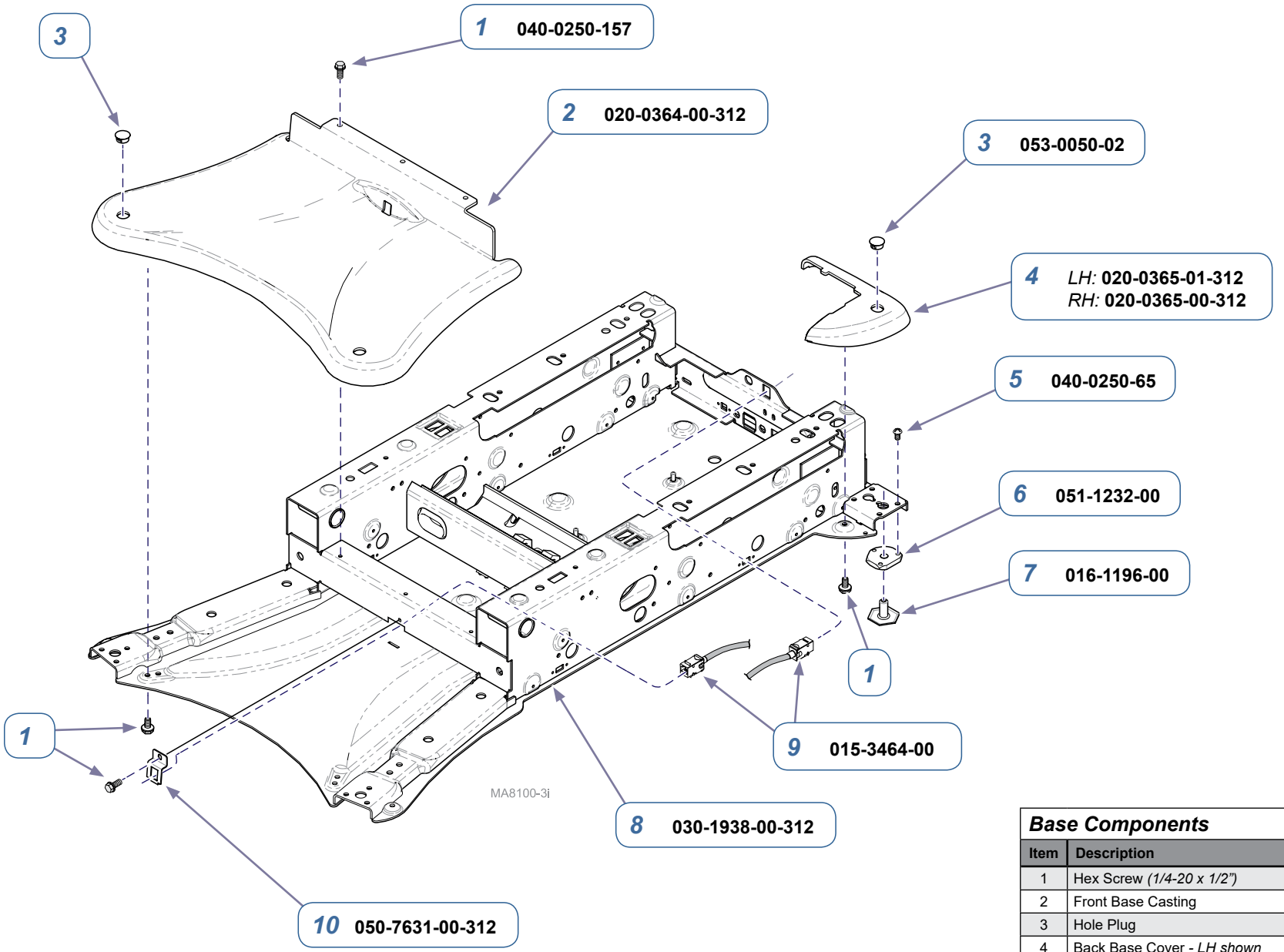


Base Components

Item	Description	Qty.
1	Hex Screw *(1/4-20 x 1/2")*	11
2	Front Base Casting	1
3	Hole Plug	4
4	Back Base Cover - *LH shown*	2
5	Screw *(1/4-20 x 1/2")*	6
6	Leveling Foot Mount	2
7	Leveling Foot	2
8	Base Weldment	1
9	Foot Control Harness	1
10	Bracket	1
11	Hand Control Harness	1

Models:	***625 (-001 /-003 /-005 /-006)***	
Serial Numbers:	*V1182356 thru V1667149*	

Always verify model & serial number

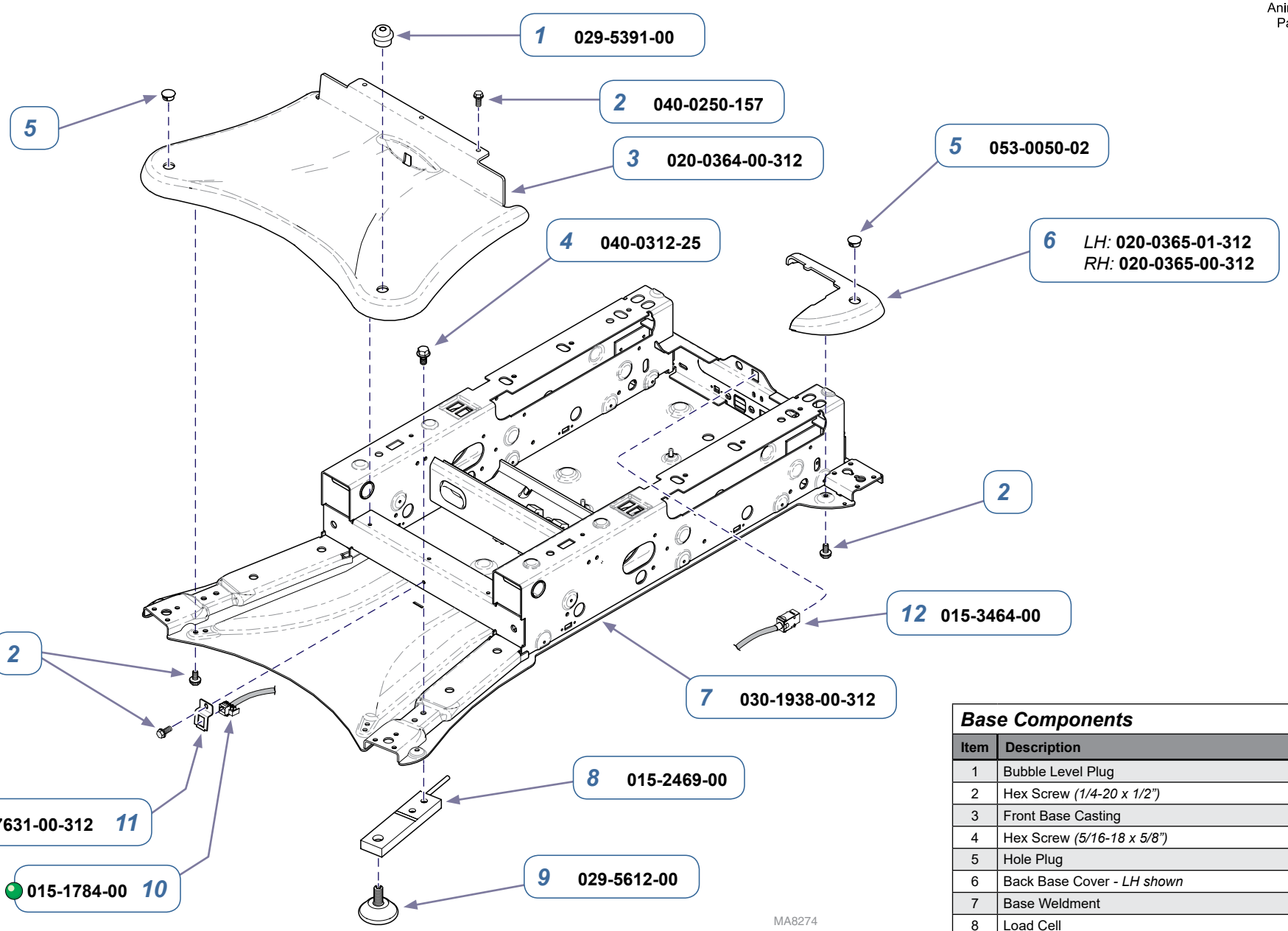


Models:	625 (-001 /-003 /-005 /-006)	
Serial Numbers:	V1667150 thru Present	

Base Components

Item	Description	Qty.
1	Hex Screw *(1/4-20 x 1/2")*	11
2	Front Base Casting	1
3	Hole Plug	4
4	Back Base Cover - *LH shown*	2
5	Screw *(1/4-20 x 1/2")*	6
6	Leveling Foot Mount	2
7	Leveling Foot	2
8	Base Weldment	1
9	Hand / Foot Control Harness	2
10	Bracket	1

Always verify model & serial number

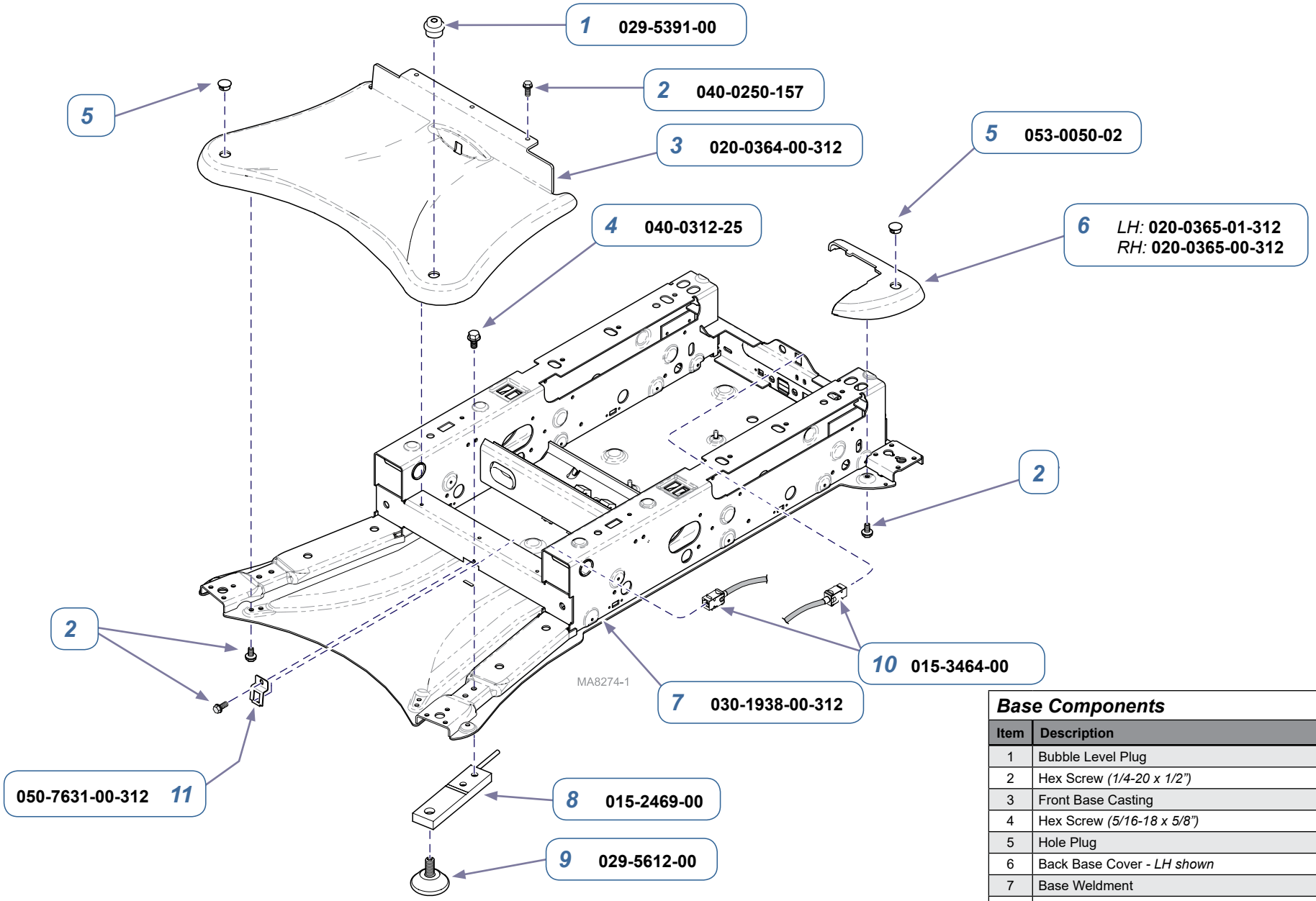


Models:	625-004
Serial Numbers:	V2200 thru V1667149

Base Components

Item	Description	Qty.
1	Bubble Level Plug	1
2	Hex Screw *(1/4-20 x 1/2")*	11
3	Front Base Casting	1
4	Hex Screw *(5/16-18 x 5/8")*	8
5	Hole Plug	4
6	Back Base Cover - *LH shown*	2
7	Base Weldment	1
8	Load Cell	4
9	Leveling Feet Set *(includes four leveling feet)*	1
10	Foot Control Harness	1
11	Bracket	1
12	Hand Control Harness	1

Always verify model & serial number

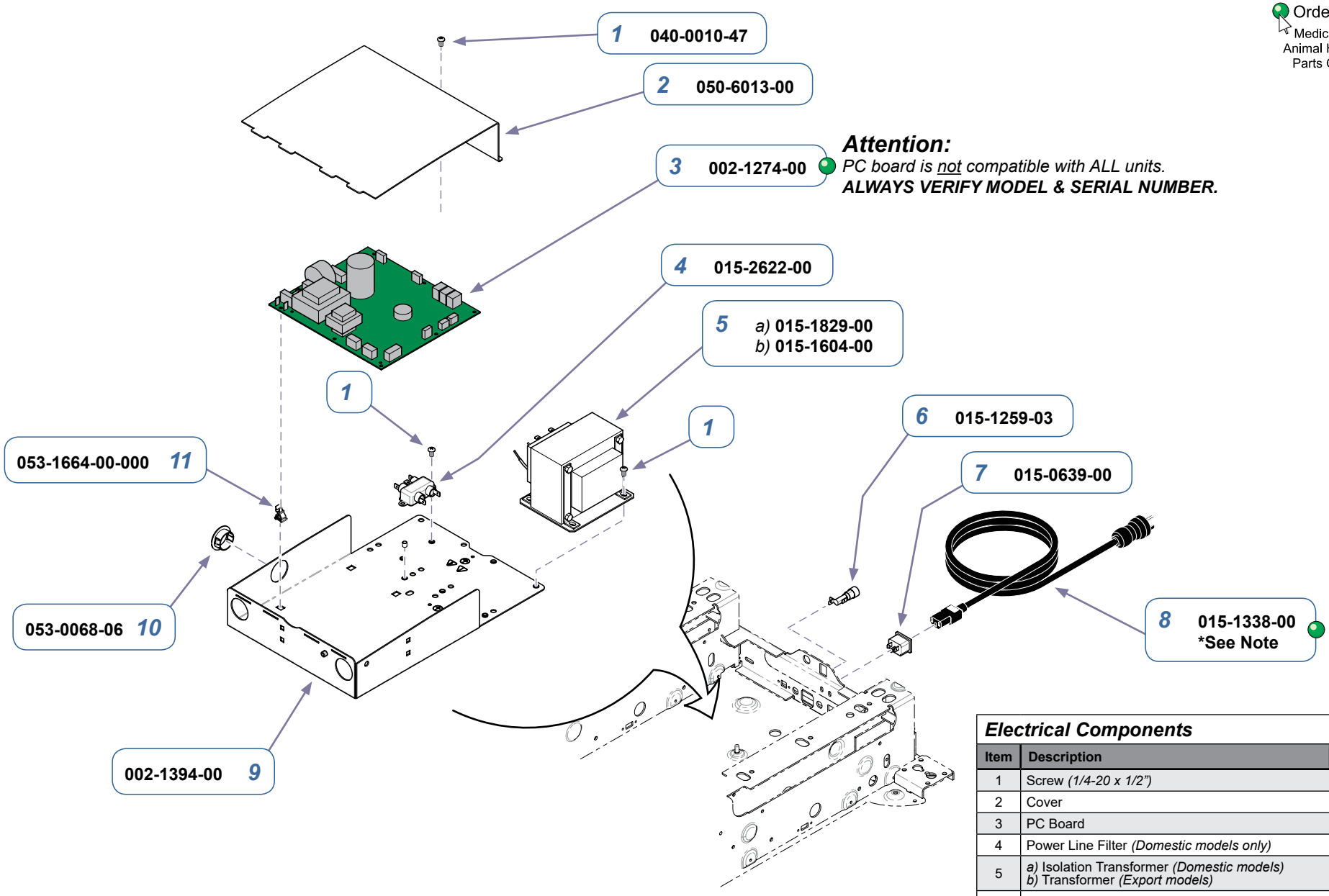


Base Components

Item	Description	Qty.
1	Bubble Level Plug	1
2	Hex Screw *(1/4-20 x 1/2")*	11
3	Front Base Casting	1
4	Hex Screw *(5/16-18 x 5/8")*	8
5	Hole Plug	4
6	Back Base Cover - *LH shown*	2
7	Base Weldment	1
8	Load Cell	4
9	Leveling Feet Set *(includes four leveling feet)*	1
10	Hand / Foot Control Harness	2
11	Bracket	1

Models:	**625-004**
Serial Numbers:	*V1667150 thru Present*

Always verify model & serial number



Attention:
PC board is not compatible with ALL units.
ALWAYS VERIFY MODEL & SERIAL NUMBER.

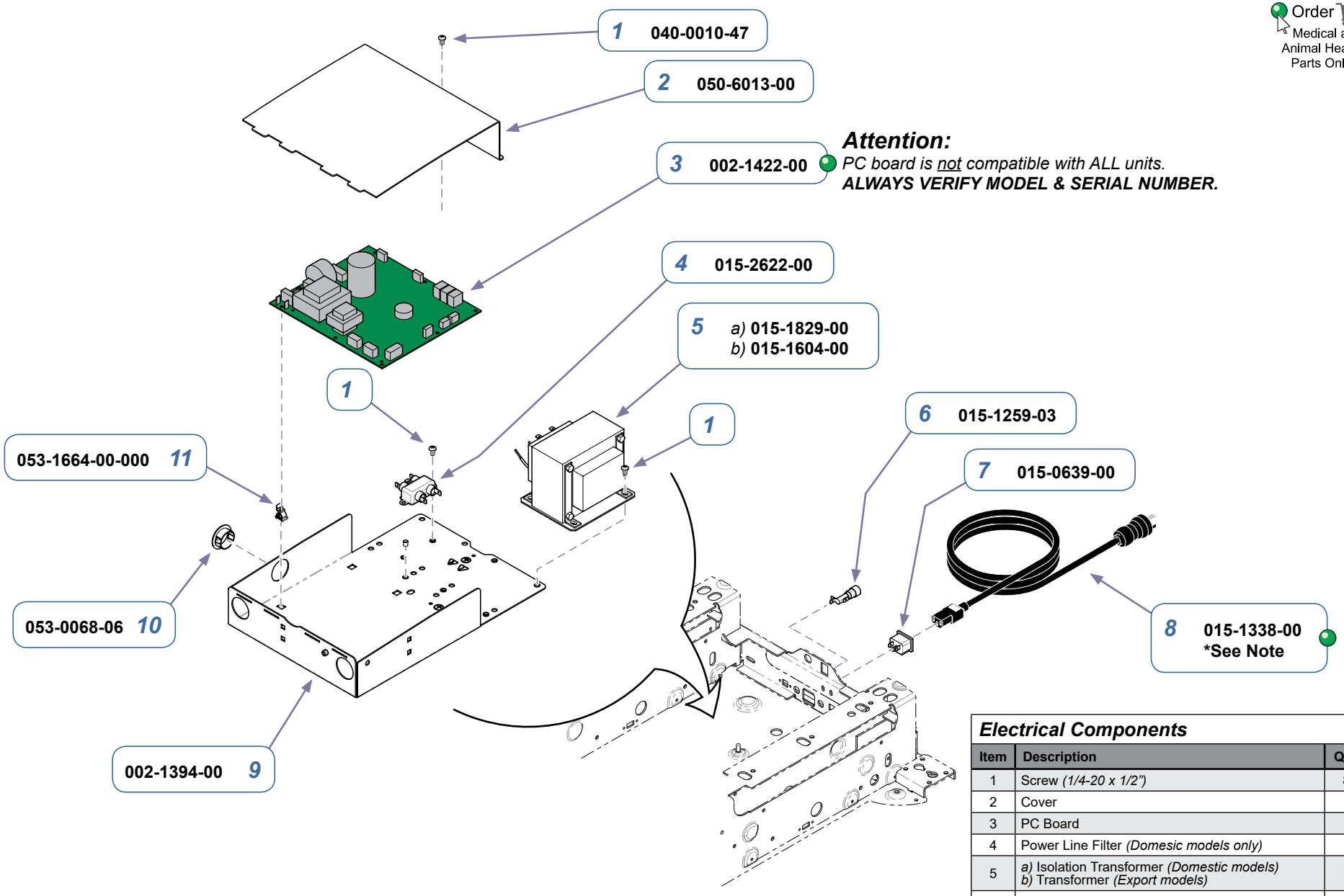
MA8102i

Electrical Components

Item	Description	Qty.
1	Screw *(1/4-20 x 1/2")*	8
2	Cover	1
3	PC Board	1
4	Power Line Filter *(Domestic models only)*	1
5	*a)* Isolation Transformer *(Domestic models)* *b)* Transformer *(Export models)*	1
6	Fuse Holder	2
7	Power Cord Inlet	1
8	Power Cord *(N. American, 120V, 8 ft)* **Note: Export models require accessory: 9A152 International Cordsets.*	1
9	Housing *(includes nutserts)*	1
10	Snap Bushing	3
11	Standoff	6

Models:	***625 (-001 /-003)***	
Serial Numbers:	*V2200 thru V968527*	

Always verify model & serial number



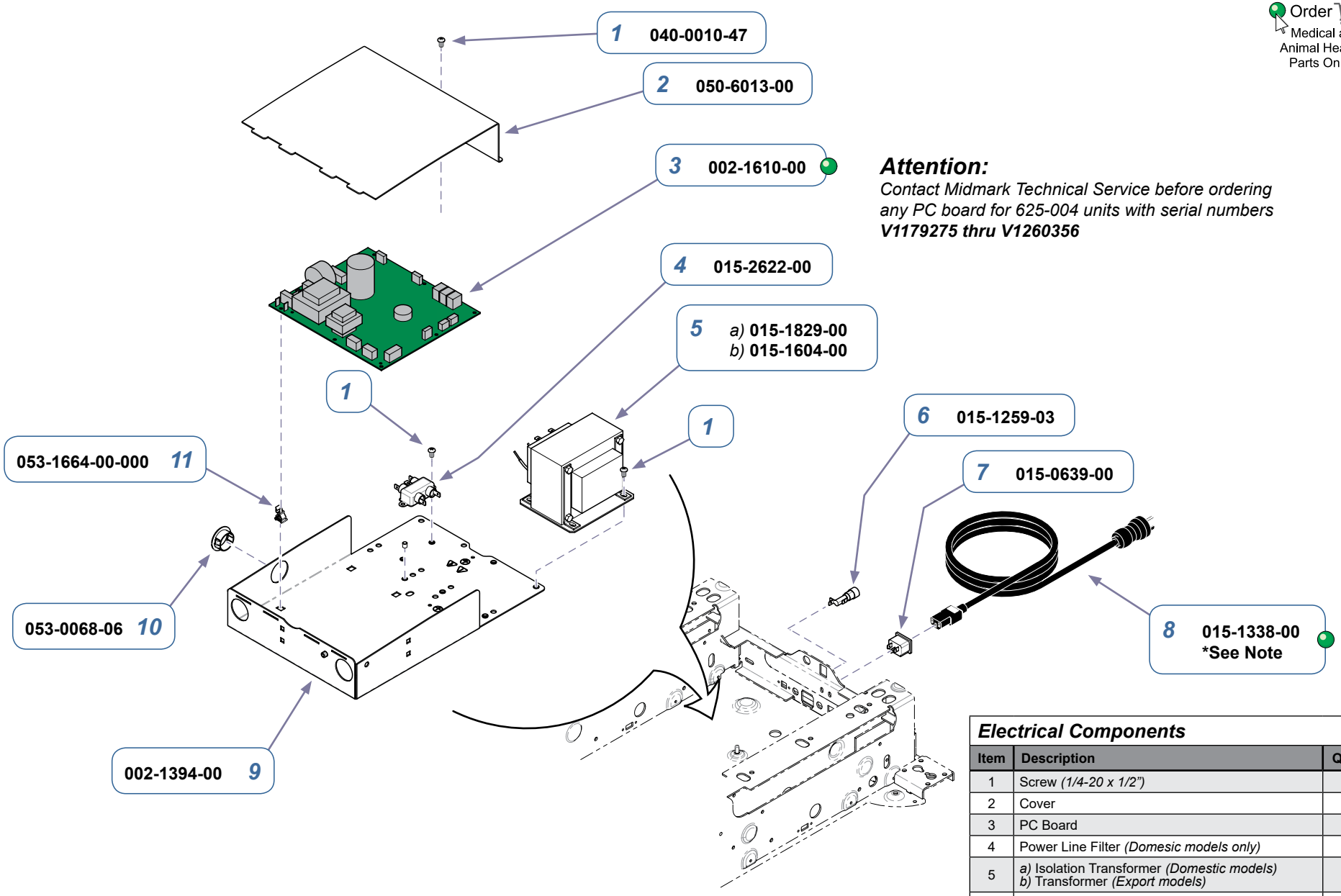
Attention:
PC board is <u>not</u> compatible with ALL units.
ALWAYS VERIFY MODEL & SERIAL NUMBER.

Electrical Components

Item	Description	Qty.
1	Screw *(1/4-20 x 1/2")*	8
2	Cover	1
3	PC Board	1
4	Power Line Filter *(Domesic models only)*	1
5	*a)* Isolation Transformer *(Domestic models)* *b)* Transformer *(Export models)*	1
6	Fuse Holder	2
7	Power Cord Inlet	1
8	Power Cord *(N. American, 120V, 8 ft)* **Note: Export models require accessory: 9A152 International Cordsets.*	1
9	Housing *(includes nutserts)*	1
10	Snap Bushing	3
11	Standoff	6

Models:	***625 (-001 /-003)***
Serial Numbers:	*V968528 thru V1266165*

Always verify model & serial number



Attention:

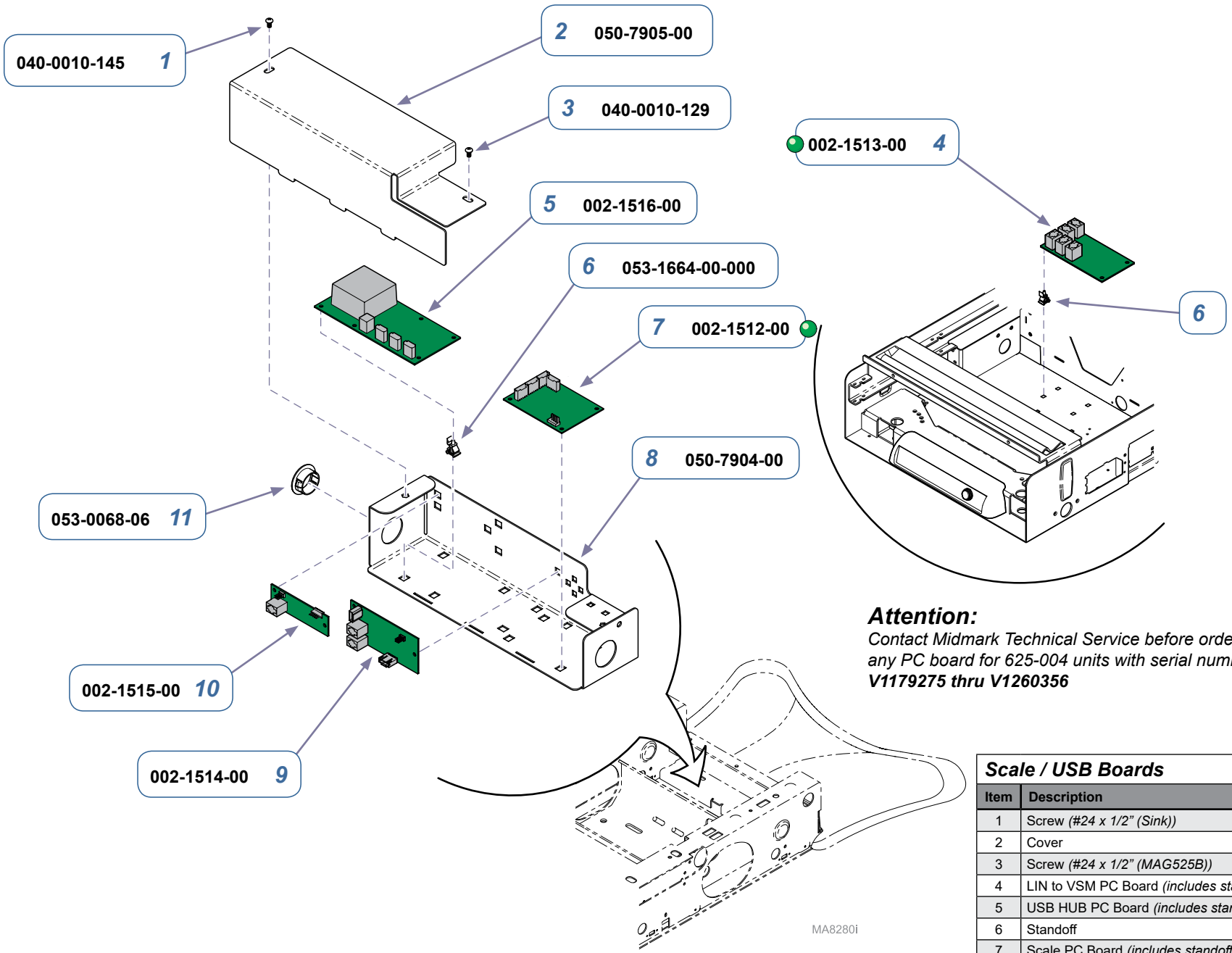
Contact Midmark Technical Service before ordering any PC board for 625-004 units with serial numbers ***V1179275 thru V1260356***

Electrical Components

Item	Description	Qty.
1	Screw *(1/4-20 x 1/2")*	8
2	Cover	1
3	PC Board	1
4	Power Line Filter *(Domesic models only)*	1
5	*a)* Isolation Transformer *(Domestic models)* *b)* Transformer *(Export models)*	1
6	Fuse Holder	2
7	Power Cord Inlet	1
8	Power Cord *(N. American, 120V, 8 ft)* **Note: Export models require accessory: 9A152 International Cordsets.*	1
9	Housing *(includes nutserts)*	1
10	Snap Bushing	3
11	Standoff	6

Models:	***625 (-001 /-003)***	***625-004***	
Serial Numbers:	*V1266166 thru present*	*all*	

Always verify model & serial number



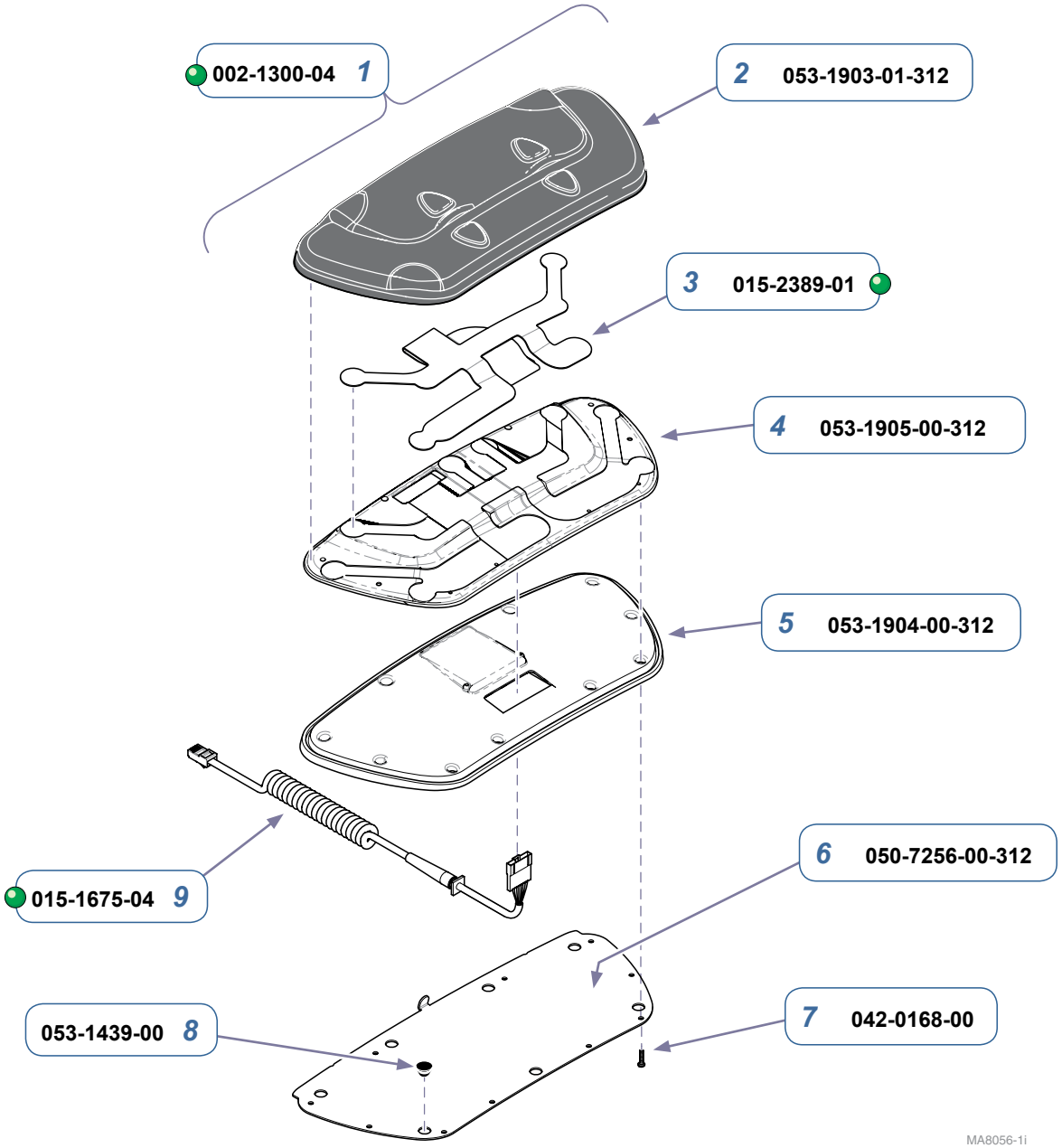
Attention:
Contact Midmark Technical Service before ordering any PC board for 625-004 units with serial numbers ***V1179275 thru V1260356***

Models:	***625-004***	
Serial Numbers:	*all*	

Scale / USB Boards

Item	Description	Qty.
1	Screw *(#24 x 1/2" (Sink))*	2
2	Cover	1
3	Screw *(#24 x 1/2" (MAG525B))*	1
4	LIN to VSM PC Board *(includes standoffs)*	1
5	USB HUB PC Board *(includes standoffs)*	1
6	Standoff	AR
7	Scale PC Board *(includes standoffs)*	1
8	Housing	1
9	625 to USB PC Board *(includes standoffs)*	1
10	LIN to Scale PC Board *(includes standoffs)*	1
11	Snap Bushing	3

Always verify model & serial number



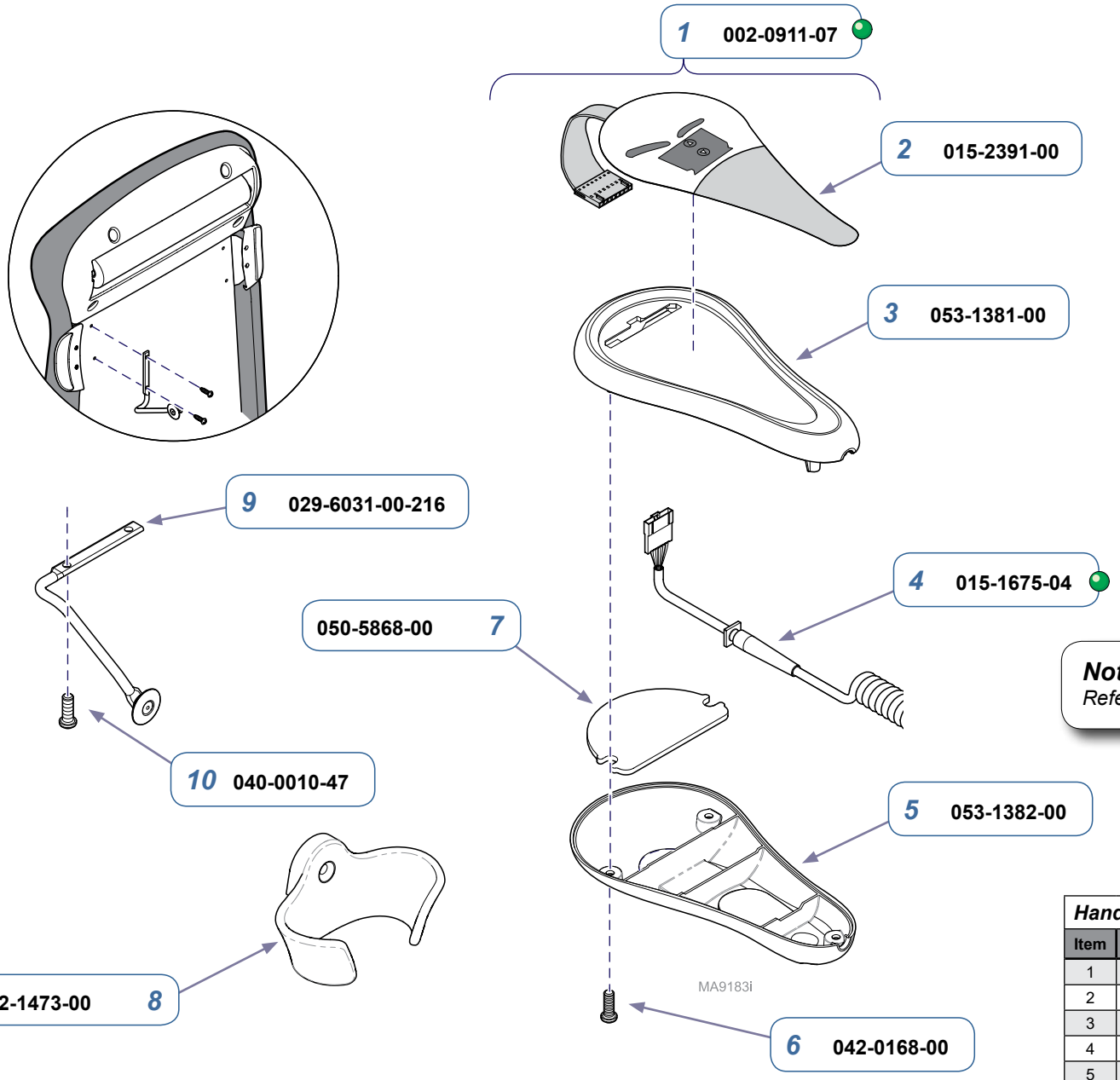
Note
Refer to "Wireless Controls" if applicable.

Models:	625 (-001 /-005 /-006)	
Serial Numbers:	all	

Foot Control Assembly

Item	Description	Qty.
1	Foot Control Assembly *(incl. items 2 thru 9)*	1
2	• Keypad	1
3	• Switch Membrane	1
4	• Retainer	1
5	• Base	1
6	• Baseplate	1
7	• Screw	10
8	• Stem Bumper	7
9	• Cord	1

Always verify model & serial number



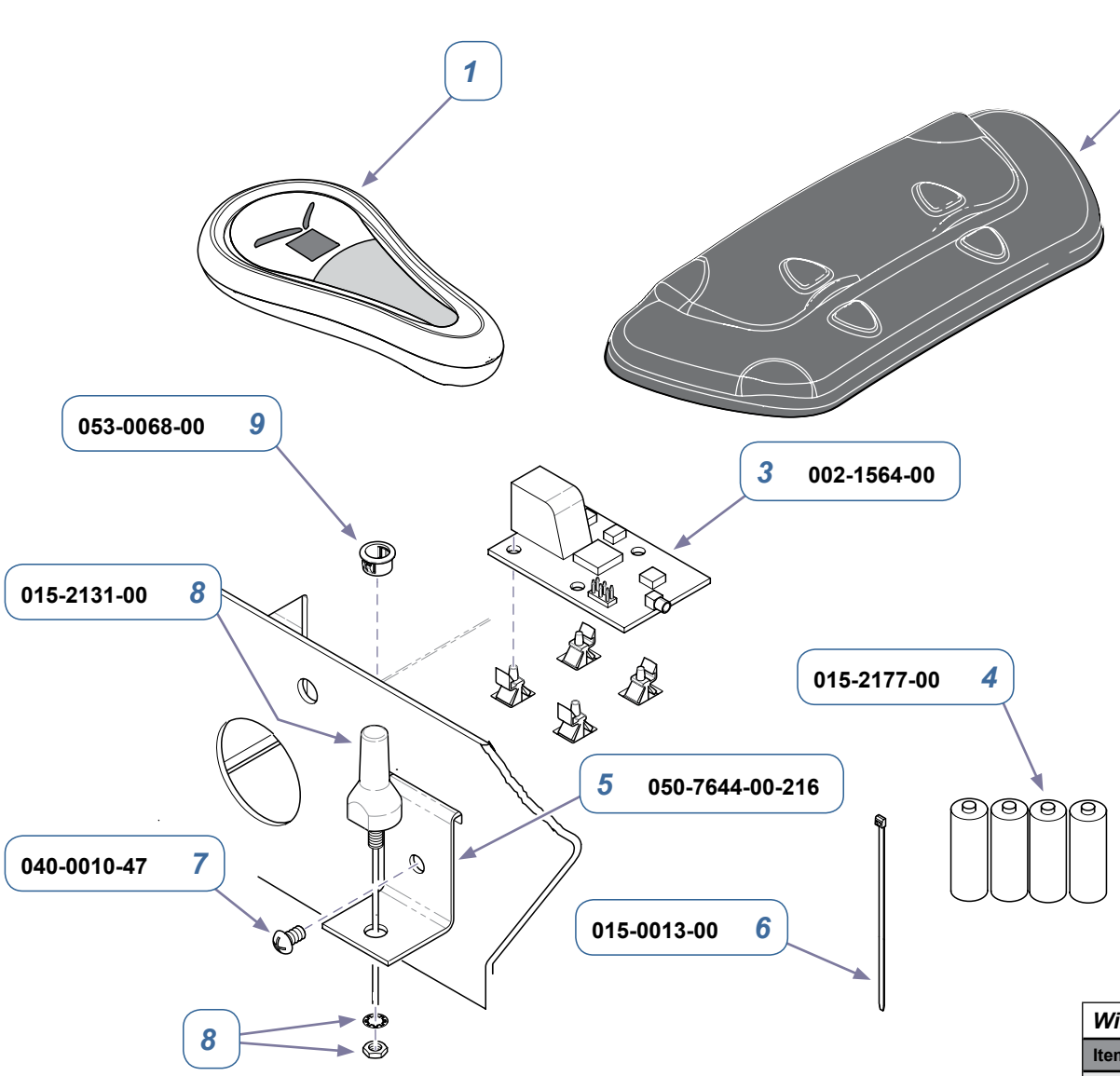
Note
Refer to "Wireless Controls" if applicable.

Models:	625 (-001 /-005 /-006)	
Serial Numbers:	all	

Hand Control Assembly

Item	Description	Qty.
1	Hand Control Assembly *(incl. items 2 thru 7)*	1
2	• Switch Membrane	1
3	• Housing - Top	1
4	• Cord	1
5	• Housing - Bottom	1
6	• Screw *(ATF PT K35 x 10 cross recess pan hd.)*	4
7	• Weight	1
8	Hand Control Holster	1
9	Hand Control Bracket Assembly *(incl. item 10)*	1
10	• Screw *(#10-24 x 3/8" pan head phillips)*	2

Always verify model & serial number

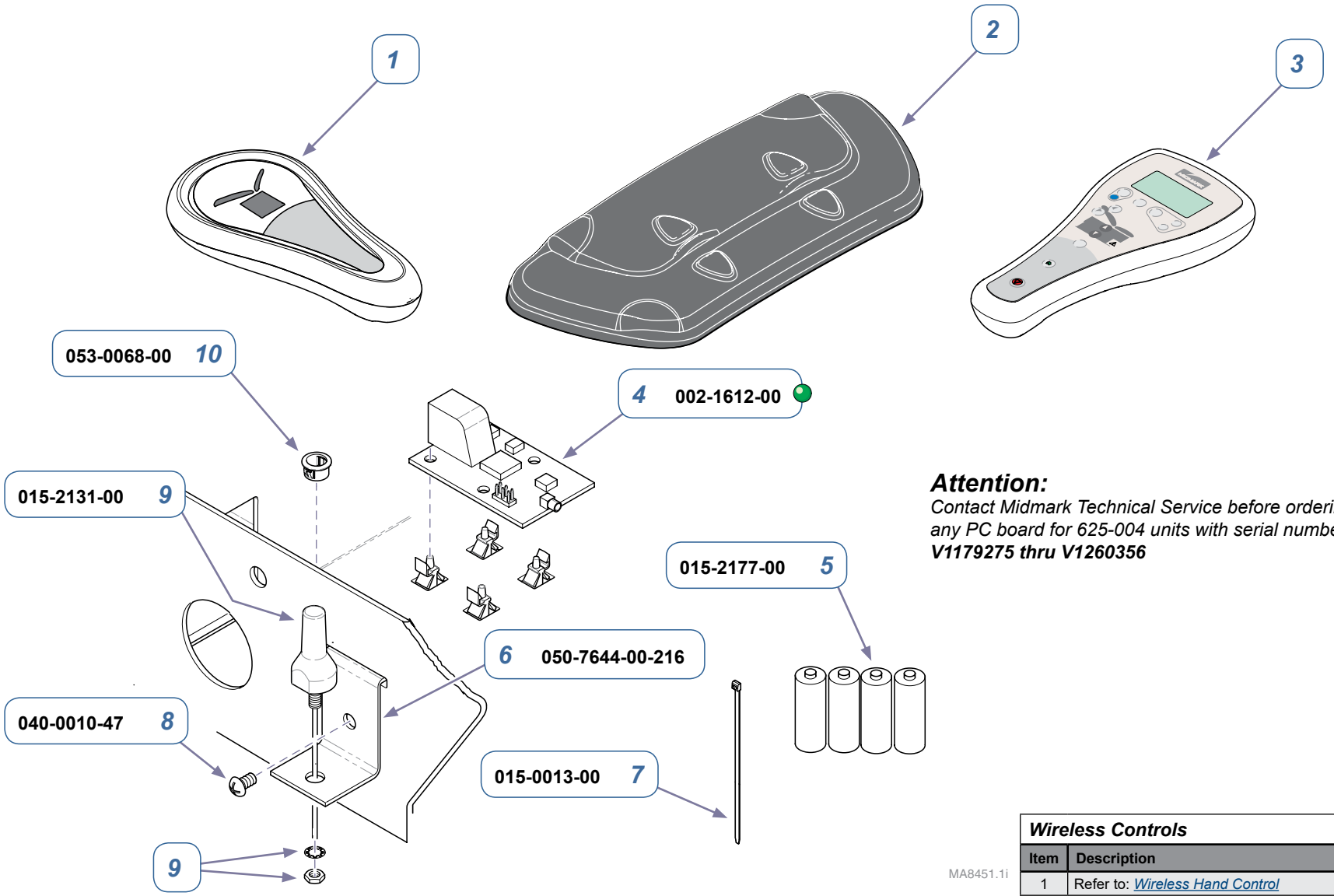


Wireless Controls

Item	Description	Qty.
1	Refer to: *Wireless Hand Control*	1
2	Refer to: *Wireless Foot Control*	1
3	Base Station PC Board	1
4	Batteries *(size: AA)*	4
5	*Antenna Bracket*	1
6	Cable Tie	1
7	Screw *(#10-24 x 3/8")*	1
8	Antenna *(includes wire, lockwasher, & nut)*	1
9	Snap Bushing	1

Models:	**625-003**	
Serial Numbers:	*V968528 thru V1266165*	

Always verify model & serial number



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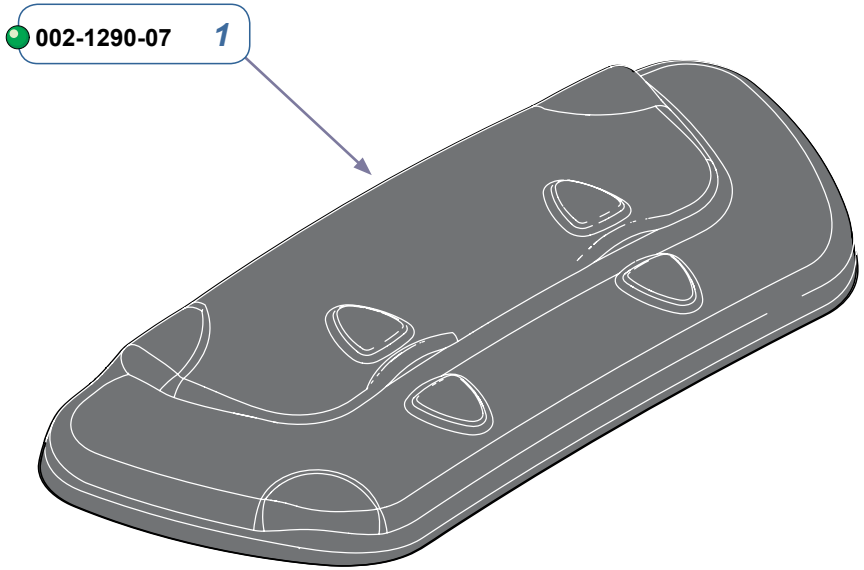
Attention:
Contact Midmark Technical Service before ordering any PC board for 625-004 units with serial numbers ***V1179275 thru V1260356***

Wireless Controls

Item	Description	Qty.
1	Refer to: *Wireless Hand Control*	1
2	Refer to: *Wireless Foot Control*	1
3	Refer to: *Wireless Hand Control (w/ Scale)*	1
4	Base Station PC Board	1
5	Batteries *(size: AA)*	4
6	*Antenna Bracket*	1
7	Cable Tie	1
8	Screw *(#10-24 x 3/8")*	1
9	Antenna *(includes wire, lockwasher, & nut)*	1
10	Snap Bushing	1

Models:	***625-003***	***625-004***	
Serial Numbers:	*V1266166 thru present*	*all*	

Always verify model & serial number

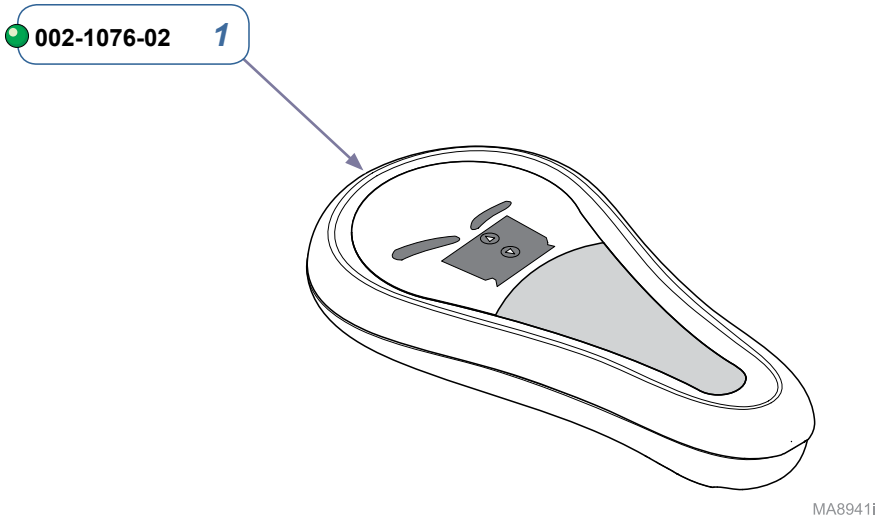


Models:	625 (-003 /-004)	
Serial Numbers:	all	

Wireless Foot Control Assembly

Item	Description	Qty.
1	Foot Control Assembly	1

Always verify model & serial number

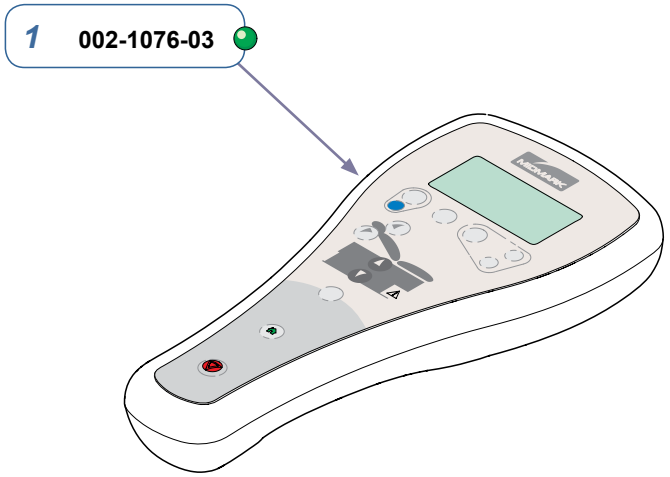


Models:	625 -003	
Serial Numbers:	all	

Wireless Hand Control Assembly

Item	Description	Qty.
1	Hand Control Assembly	1

Always verify model & serial number

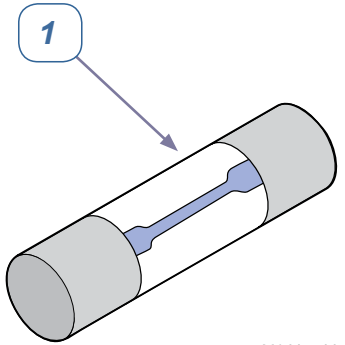


Models:	625-004	
Serial Numbers:	all	

Wireless Hand Control w/ Scale Assembly

Item	Description	Qty.
1	Hand Control Assembly	1

Always verify model & serial number



MA637700i

Fuse:	Location:	Function affected	Rating	Midmark Part Number
Isolation Transformer Fuses (2)	IEC Inlet	Electrical Receptacle	6.3A, 250V, Slo-Blo, 5 x 20 mm	015-0346-20
Primary Fuses (2)	Main PC Board [F1 & F2]	Base & Back Functions	10A, 250V, Slo-Blo, 5 x 20 mm	015-0346-42
Transformer Fuse	Main PC Board [F3]	Base & Back Functions	160mA, 250V, Slo-Blo, 5 x 20 mm	015-0346-38
Base & Back Motor Fuse	Main PC Board [F4]	Base & Back Functions	6.3A, 250V, Slo-Blo, 5 x 20 mm	015-0346-40
Drawer Heater Fuses (2)	Distribution Board	Drawer Heater	800mA, 250V, Slo-Blo, 5 x 20 mm	015-0346-25
Transformer 230V / 115V *(Export models only)*	IEC Inlet	All	6.3A, 250V, Slo-Blo, 5 x 20 mm	015-0346-20

Models:	***625***	
Serial Numbers:	*all*	

Fuses

Item	Description	Qty.
1	*Refer to chart for detailed descriptions*	-

Always verify model & serial number

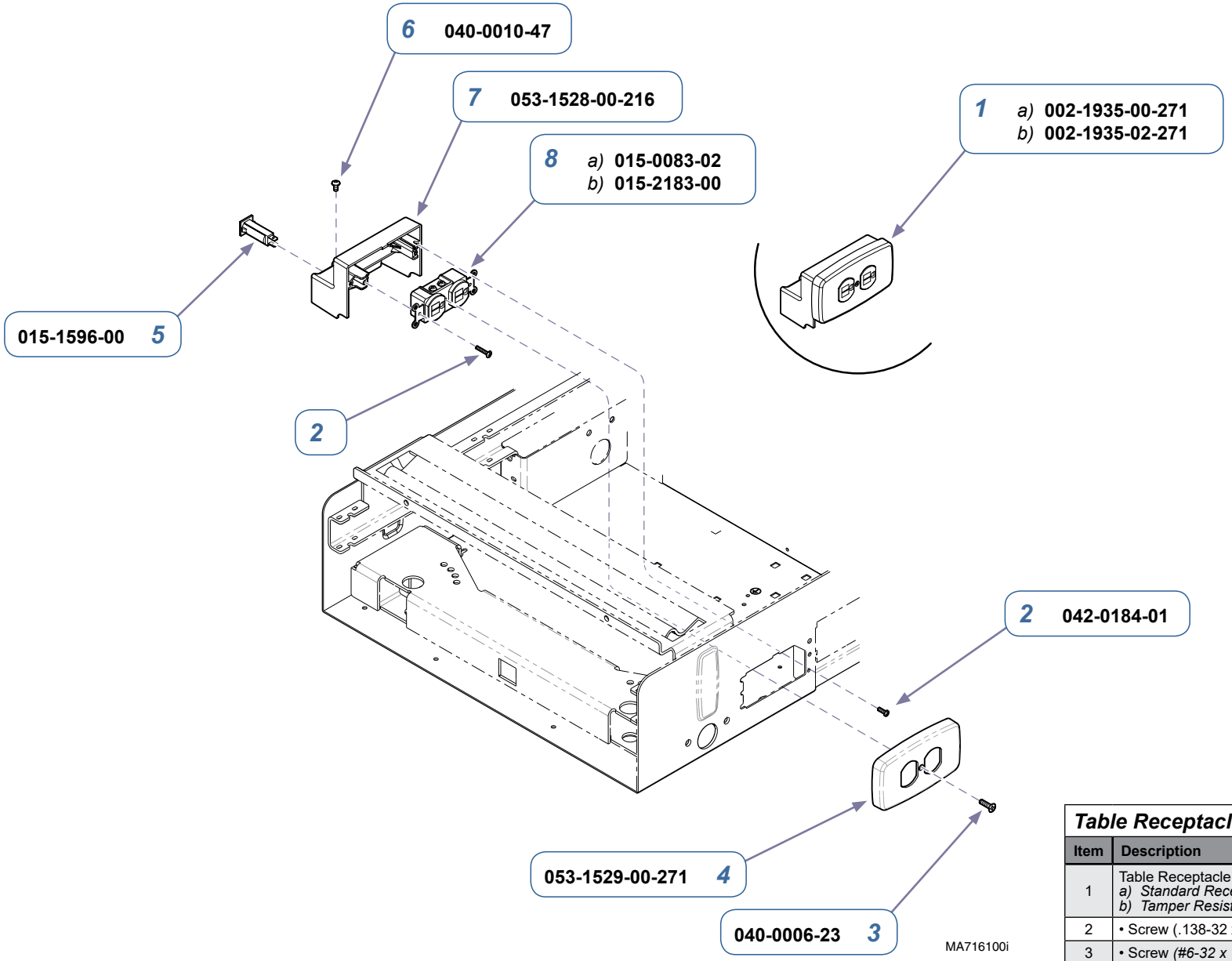


Table Receptacle System

Item	Description	Qty.
1	Table Receptacle Assy *(includes items 2 thru 8)* *a) Standard Receptacle (black)* *b) Tamper Resistant Receptacle (white)*	1
2	• Screw (.138-32 x 1/2")	4
3	• Screw *(#6-32 x 1/2")*	1
4	• Receptacle Cover	1
5	• Circuit Breaker *(5 amp)*	2
6	• Screw *(#10-24 x 3/8")*	1
7	• Circuit Breaker Housing	1
8	• Duplex Receptacle: *a) Standard (black)* *b) Tamper Resistant (white)*	1

Models:	***625 (-001 /-003)***	
Serial Numbers:	*V2200 thru V1149713*	

Always verify model & serial number

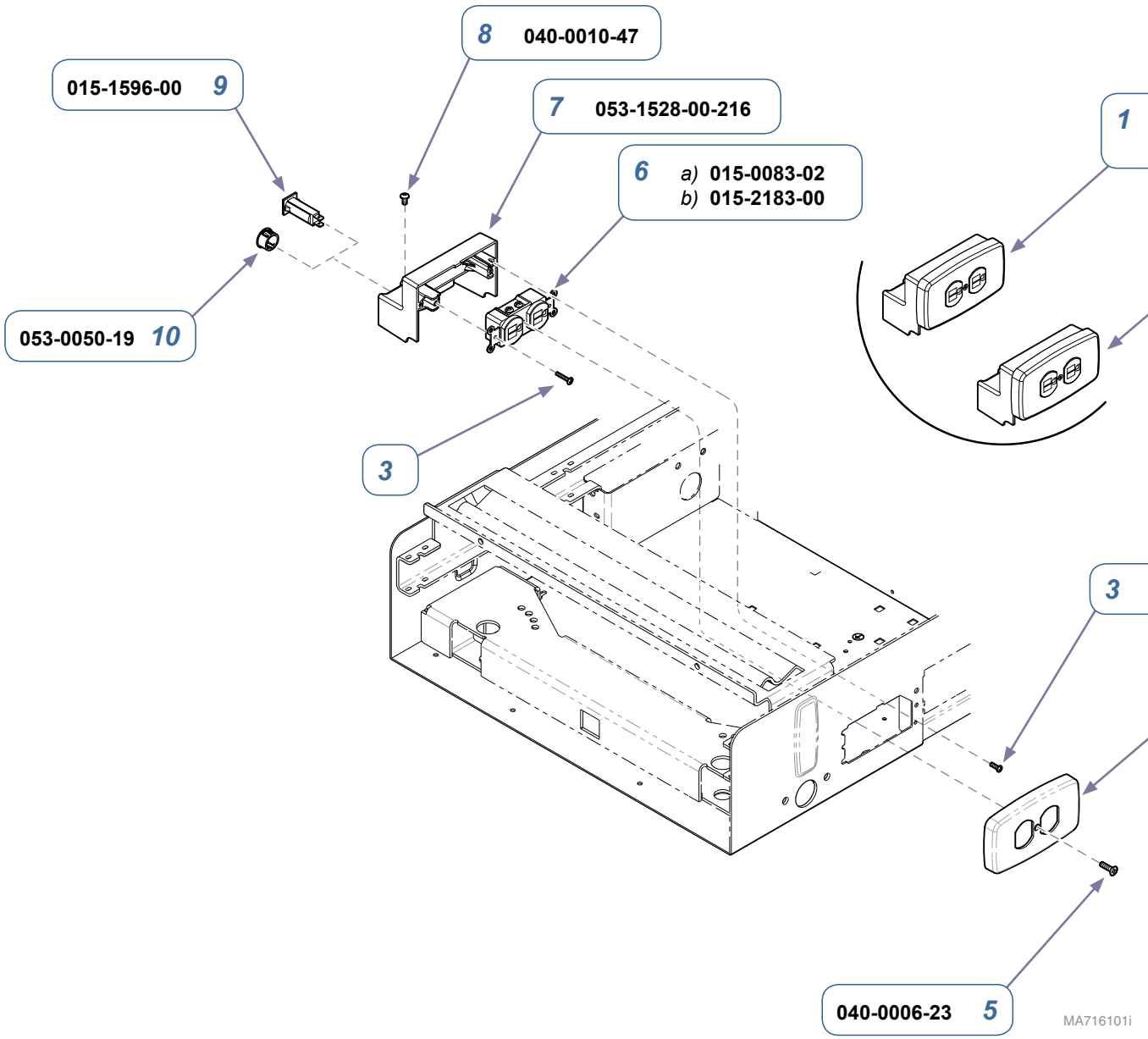


Table Receptacle System

Item	Description	Qty.
1	Receptacle Assy R.H.*(includes items 3 thru 8 & 10)* *a) Standard Receptacle (black)* *b) Tamper Resistant Receptacle (white)*	1
2	Receptacle Assy L.H.*(includes items 3 thru 9)* *a) Standard Receptacle (black)* *b) Tamper Resistant Receptacle (white)*	1
3	• Screw (.138-32 x 1/2")	8
4	• Receptacle Cover *a) Standard Receptacle (black)* *b) Tamper Resistant Receptacle (white)*	2
5	• Screw *(#6-32 x 1/2")*	2
6	• Duplex Receptacle: *a) Standard (black)* *b) Tamper Resistant (white)*	2
7	• Circuit Breaker Housing	2
8	• Screw *(#10-24 x 3/8")*	2
9	• Circuit Breaker *(5 amp)*	2
10	• Hole Plug	2

Models:	***625 (-001 /-003)***	
Serial Numbers:	*V1149714 thru Present*	

Always verify model & serial number

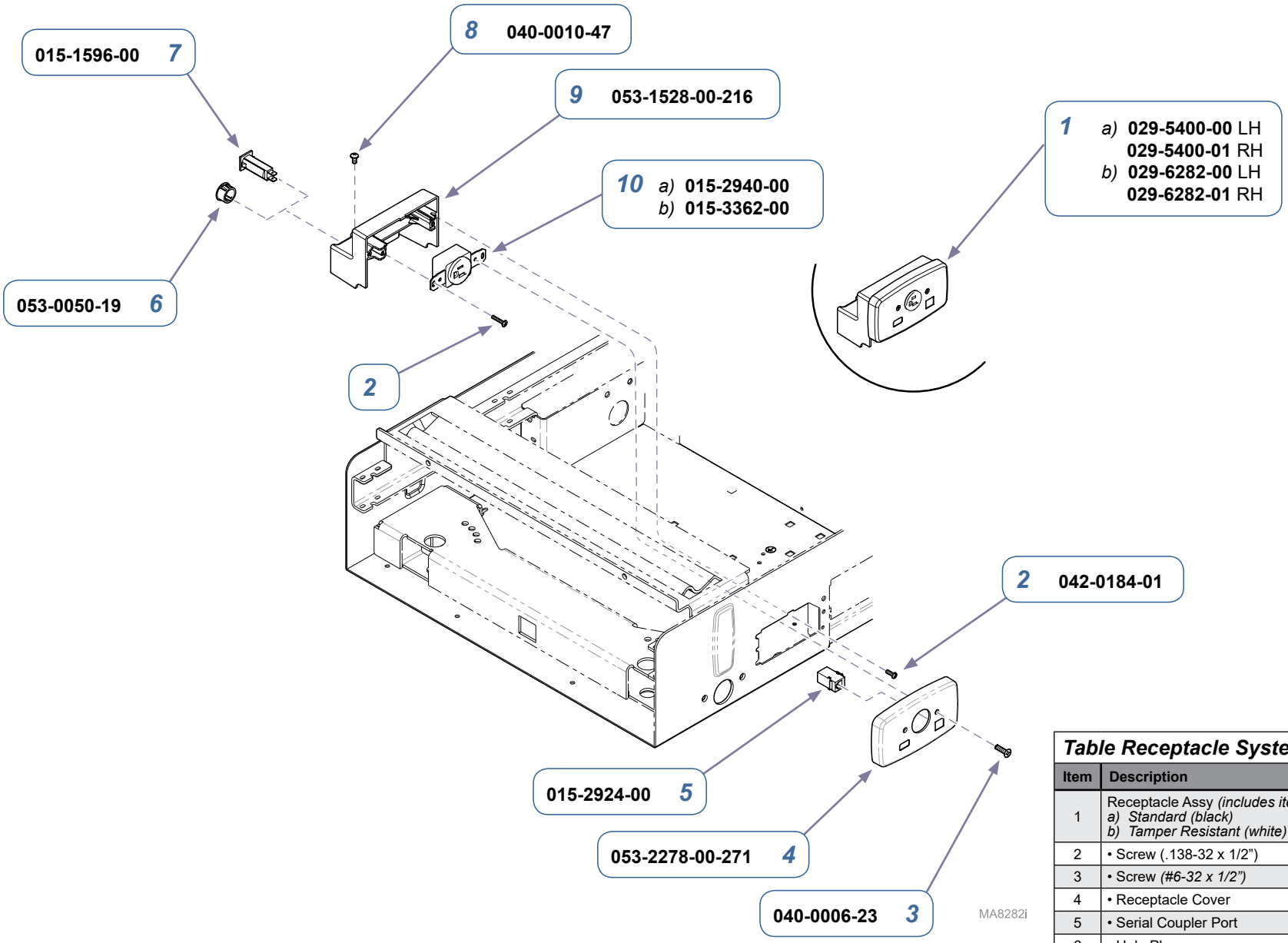
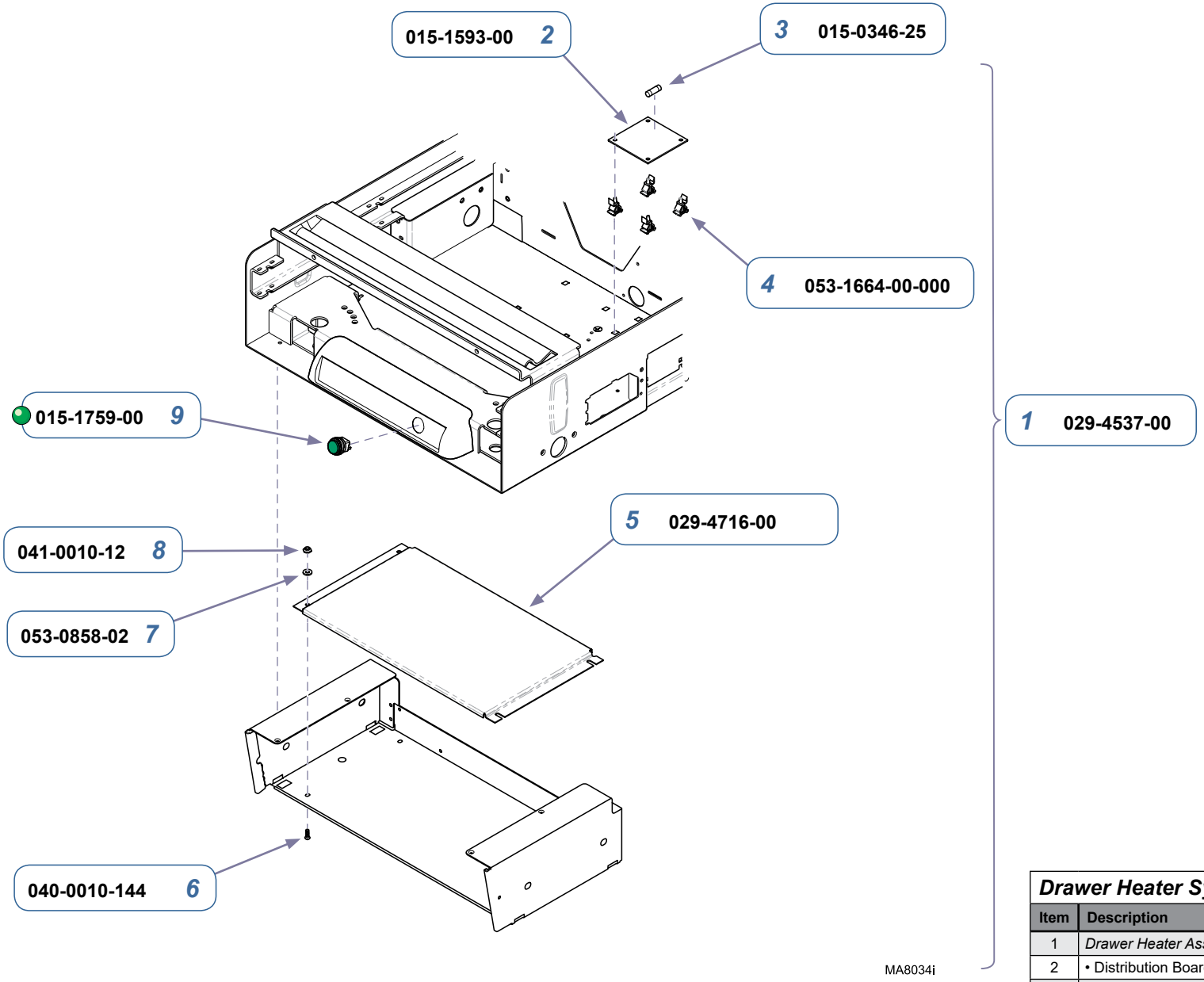


Table Receptacle System

Item	Description	Qty.
1	Receptacle Assy *(includes items 2 thru 10)* *a) Standard (black)* *b) Tamper Resistant (white)*	2
2	• Screw (.138-32 x 1/2")	8
3	• Screw *(#6-32 x 1/2")*	4
4	• Receptacle Cover	2
5	• Serial Coupler Port	2
6	• Hole Plug	2
7	• Circuit Breaker *(5 amp)*	2
8	• Screw *(#10-24 x 3/8")*	2
9	• Circuit Breaker Housing	2
10	• Simplex Receptacle *a) Standard (black)* *b) Tamper Resistant (white)*	2

Models:	***625-004***
Serial Numbers:	*all*

Always verify model & serial number



Drawer Heater System

Item	Description	Qty.
1	*Drawer Heater Assy. (includes items 2 thru 11)*	1
2	• Distribution Board *(includes item 3)*	1
3	•• Fuse *(800mA, 250V, Slo-Blo, 5 x 20mm)*	2
4	• PC Board Standoff	4
5	• Heater Plate Assembly *(incl. items 6 thru 8)*	1
6	•• *Screw (10-32 x 1/2")*	4
7	•• Nylon Washer	4
8	•• Nylon Nut	4
9	• Drawer Heater Switch	1

Models:	***625 (-001 /-003 /-004 /-006)***	
Serial Numbers:	*all*	

Always verify model & serial number

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Midmark Corporation
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www.midmark.com

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