



# Service & Parts Guide: Wireless Hand / Foot Controls [9A408]

Contents	Page
Troubleshooting .....	1
Association Procedure .....	2
Exploded Views / Parts Lists:	
9A408* (complete) .....	3
Foot Controls (Linear & Disc) .....	4
Hand Control .....	5

**Compatible with models:**  
641 (all)  
630 (serial numbers: V430154 thru present)

## Troubleshooting

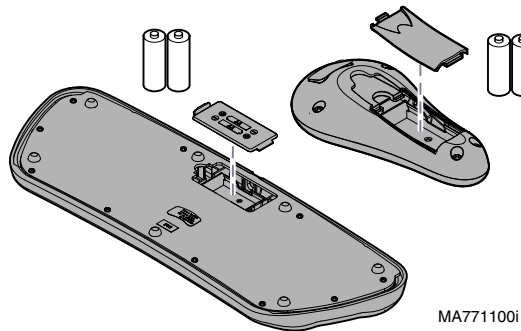
- When any control button is pressed, that controller sounds a single "beep". (All functions operate)

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

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

**Equipment Alert**

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



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

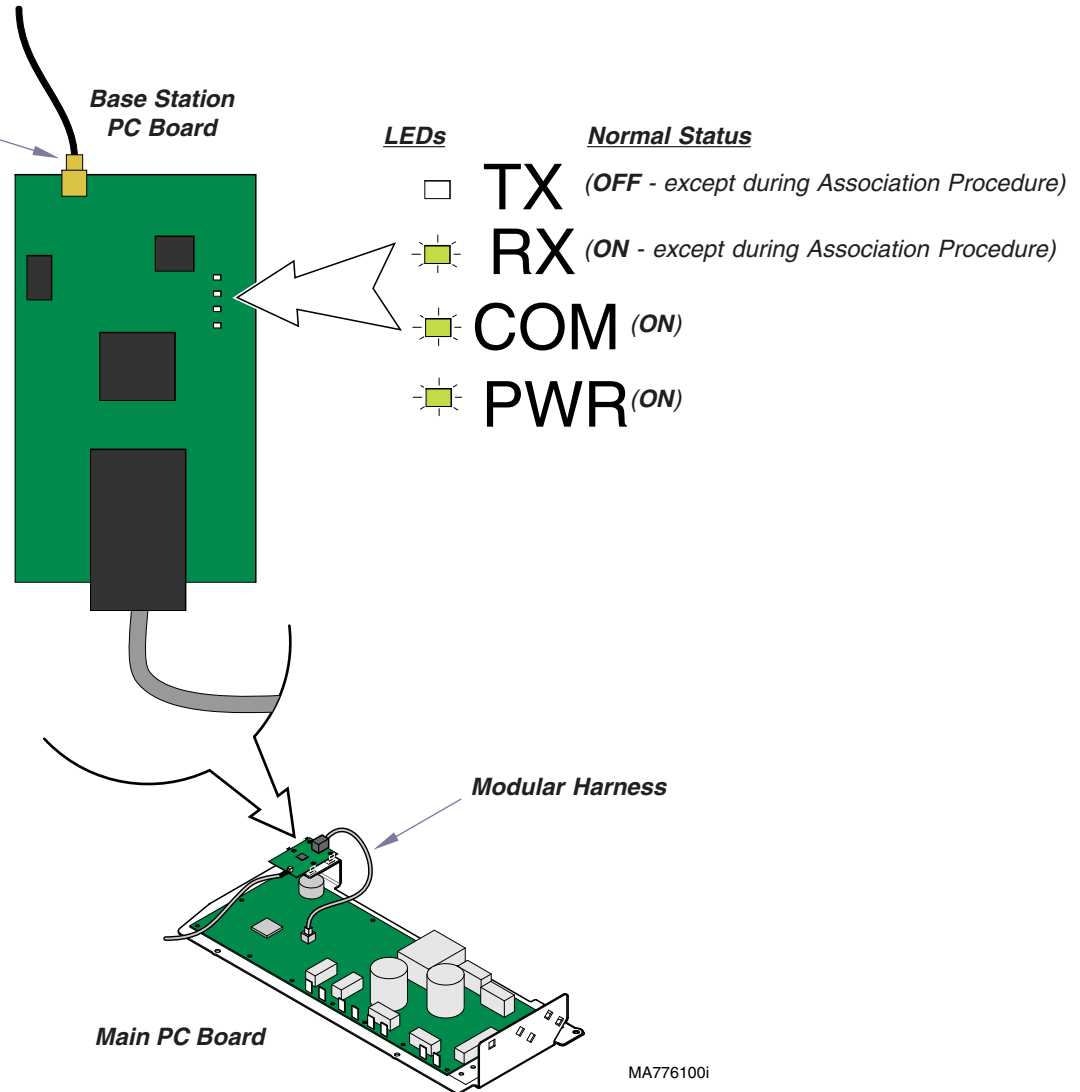
**Check:** 1. Perform Association Procedure  
2. LEDs on base station PC board

If LED status is normal (see illustration):

- Check LEDs on hand / foot control PC board (see next page).

If no LEDs are illuminated, check the following:

- Modular harness (loose connections, damage, etc.)
- Power supply to chair
- Replace base station PC board if necessary.



## Troubleshooting - 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 hand / foot control touch membrane.
- Replace hand / foot control PC board if necessary.

### LEDs



D2

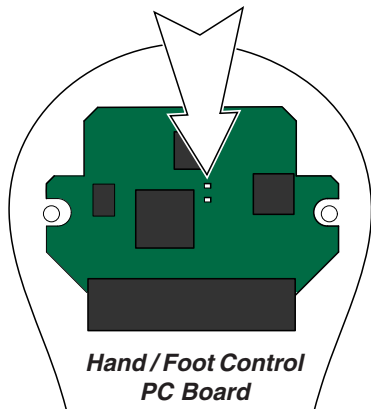
### Normal Status

(ON only when a button on that control is pressed)



D3

(OFF - except during Association Procedure)



Hand / Foot Control  
PC Board

(Hand control shown. Foot control  
PC board is the same)

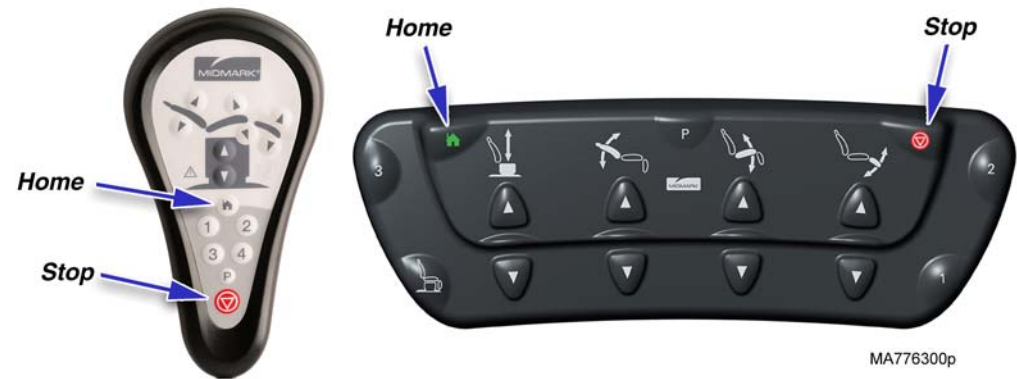
MA776200i

## 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 than the one it was originally associated with.

\* **NOTE:** The chair's PC board only stores the last two associated controllers. To ensure proper operation, Midmark recommends reassociating both controllers (hand & foot) if a new controller is purchased.)



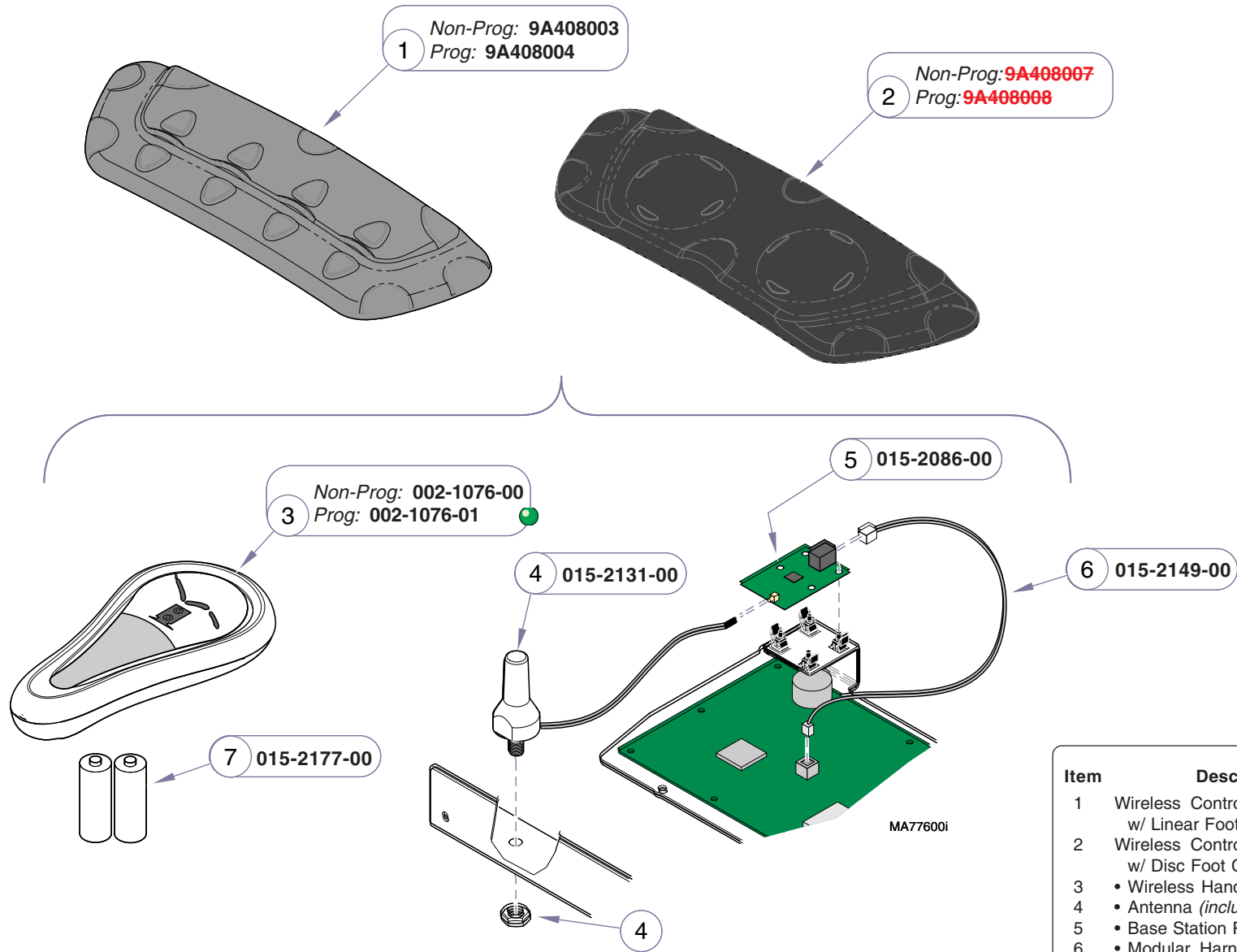
### Association Procedure:

- Using the **wired** hand or foot control, press & hold the **Stop & Home** buttons simultaneously.  
(after two seconds you will hear a single "beep")
- Using the **wireless** hand control, press & hold the **Stop & Home** buttons until you hear three "beeps".  
(One long "beep" indicates the association failed. Unplug unit for one minute and repeat Steps A & B.)
- Check for proper operation of wireless hand control.
- Repeat procedure for wireless foot control.

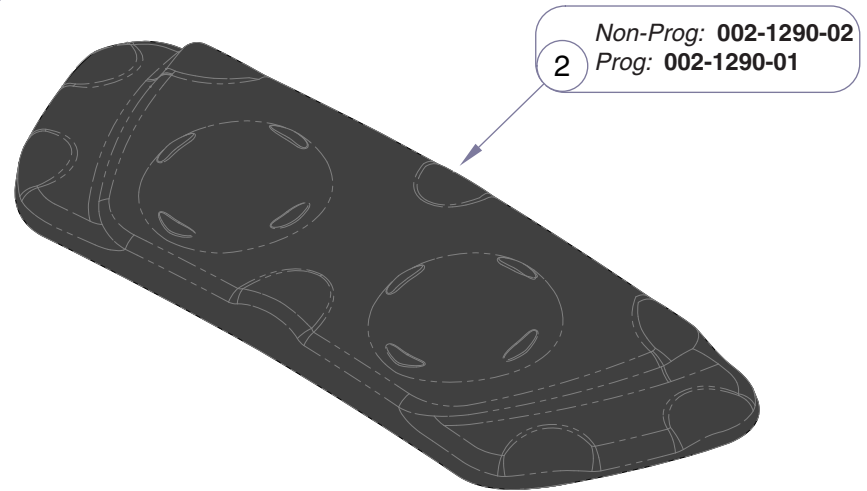
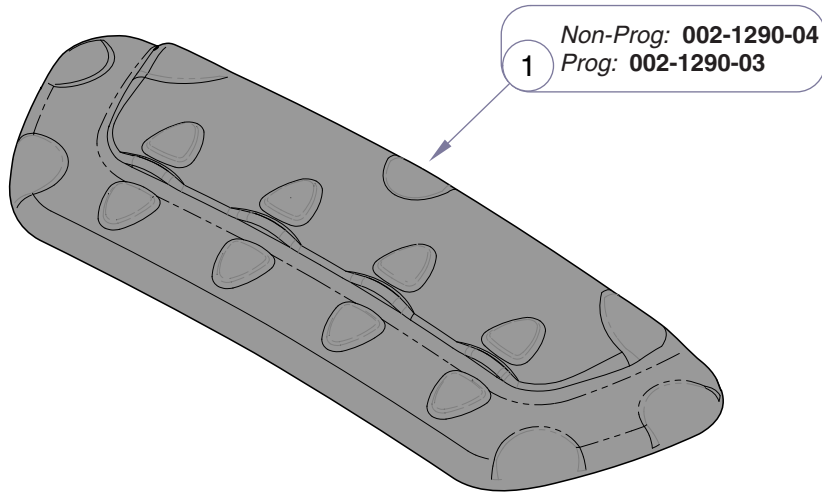
\* Note: Step B must be performed within 3 seconds of Step A.

# Exploded View / Parts List: 9A408 (complete)

**NOTE:** Refer to the following page for foot control only.



Item	Description	Qty.
1	Wireless Controls Accessory w/ Linear Foot Control (incl. 3 thru 8) .....	1
2	Wireless Controls Accessory w/ Disc Foot Control (incl. 3 thru 8) .....	1
3	• Wireless Hand Control Assy. ....	1
4	• Antenna (includes wiring & nut) .....	1
5	• Base Station PC Board .....	1
6	• Modular Harness .....	1
7	• Batteries (size: AA) .....	4
8	• FCC Label Set - (not shown) .....	1



MA8940I

Item	Description	Qty.
1	Wireless Foot Control: Linear .....	1
2	Wireless Foot Control: Disc .....	1

Midmark Corporation  
 60 Vista Drive  
 Versailles, OH 45380-0286  
 Phone: 937-526-3662  
 Fax: 937-526-5542  
 www.midmark.com



Because we care.