



POWER-POSITIONING SYSTEMS

# SEATING MODULE WIRE ROUTING

for M-Series Electronics  
on the **Rovi X3**

Seating Modules:

Tilt

Recline

Tilt/Elevate

Elevate-Only

Base Electronics:

RNet Controller

System Operation:

Thru Joystick and/or Thru Switch

## TECHNICAL MANUAL

**IMPORTANT!** This manual contains electronics wire routing information for use only by trained/qualified technical personnel. Wire routing will be completed at the time of installation and prior to delivery. This manual is not to be given to the end user.





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*This manual is compiled from the latest product information available at the time of publication. We reserve the right to make any necessary as they become necessary. Any changes made to our products may cause slight variations between the illustrations and explanations in this manual and the product you have purchased. If you have any questions or concerns regarding the information provided in this manual, please contact our Customer Service Department for assistance.*

# SAFETY INFORMATION



**READ ALL SAFETY INFORMATION THOROUGHLY BEFORE OPERATION!**



**IMPORTANT!** The instructions provided in this manual are intended solely to illustrate the proper Routing of the various cables and harnesses on the Motion Concepts Power Positioning System. Please be certain to read and follow all safety warnings (including the Safety Lockout and Limit Switch Set-Up Warnings) provided in the Motion Concepts **Ultra-Low Maxx Owners Manual (TRD0384)**.



**IMPORTANT!** Please be certain to also read and follow the safety warnings provided in the Power Base Owners Manual (*provided separately*).

## OEM Wiring Harnesses and Electronics

The cables and harnesses on your Motion Concepts power positioning system are designed and tested to meet all necessary safety standards.



**WARNING! The wiring harnesses/cables are not to be modified in any way following the installation of the Motion Concepts power positioning system.**

- *If installed on previously used product, the existing OEM harnesses on the wheelchair should be examined for damage/ wear and replaced if necessary. Please consult the wheelchair base manufacturer if you are unsure as to the status or condition of the existing wiring harness before interfacing with our Motion Concepts seating system.*



**WARNING! Danger of fire or breaking down due to electric devices being connected!**

- *Do not connect any electric devices to your mobility device that are not expressly certified Motion Concepts for this purpose. Have all electrical installations performed by an authorised Motion Concepts Dealer.*

If you have any questions or concerns regarding the instructions contained in this manual, please contact our **Technical Service Department** for assistance.

**USA** 888-433-6818

**CAN** 800-680-4191

# 1.0 Seating Module – Wire Routing Instruction for the Rovi X3

The following wire routing instruction instructions include illustrated wire routing diagrams for the following Motion Concepts Seating Modules on the Rovi X3 Power Base: Tilt (50T), Tilt/Elevate (45T12) and Elevate-Only (12" Scissor Lift) (L12)

## 1.1 General Instructions:

**i IMPORTANT!** Due to large variances from one seating system to the next (i.e. seat and back size, power positioning options), the required fastening hardware can vary considerably.

1.1.1. The following fasteners are provided to ensure that all wiring cables/ harnesses are properly secured and protected from damage during normal operation of the completed power positioning system. Please contact Motion Concepts should require any additional fasteners to complete the installation.

- TRM0766 3/4" Clip
- TRM0767 3/8" Clip
- TRM0768 1/2" Clip
- TRM0998 Flexo-Wrap 3/4"
- TRM0999 Flexo-Wrap 1-1/4"
- TRM0312 2" Velcro Loop
- Plastic Cables ties

1.1.2 During installation, the aforementioned fasteners should be used as needed to ensure that all wiring cables/ harnesses are properly secured and protected from damage (pinching, pulling, crushing) during normal operation of the installed power positioning system.

1.1.3. The following sections provide all the Wire Routing Diagrams for the Rovi X3. Refer to **Table 1.0** below, to determine the applicable wiring configuration for your seating system module.

**Table 1.0 – Seating Module Wiring Reference Chart- RNET Electronics**

<b>RNET (Rovi) ELECTRONICS – Wiring Configurations</b>	
<b>Section A</b>	<b>Seating Module (Top View)</b>
<b>Section B1</b>	<b>Recline Module (Upper View)</b>
<b>Section B2</b>	<b>Tilt Back (Upper View)</b>
<b>Section C1</b>	<b>Tilt-Only Module</b>
<b>Section C2</b>	<b>Tilt/Lift (Elevate) Module</b>
<b>Section C3</b>	<b>Lift (Elevate)-Only Module</b>

1.1.4 Upon completion, verify the routing and security of all cables, and ensure there is no pulling, crushing or pinching over the complete range of tilt, recline and elevate.

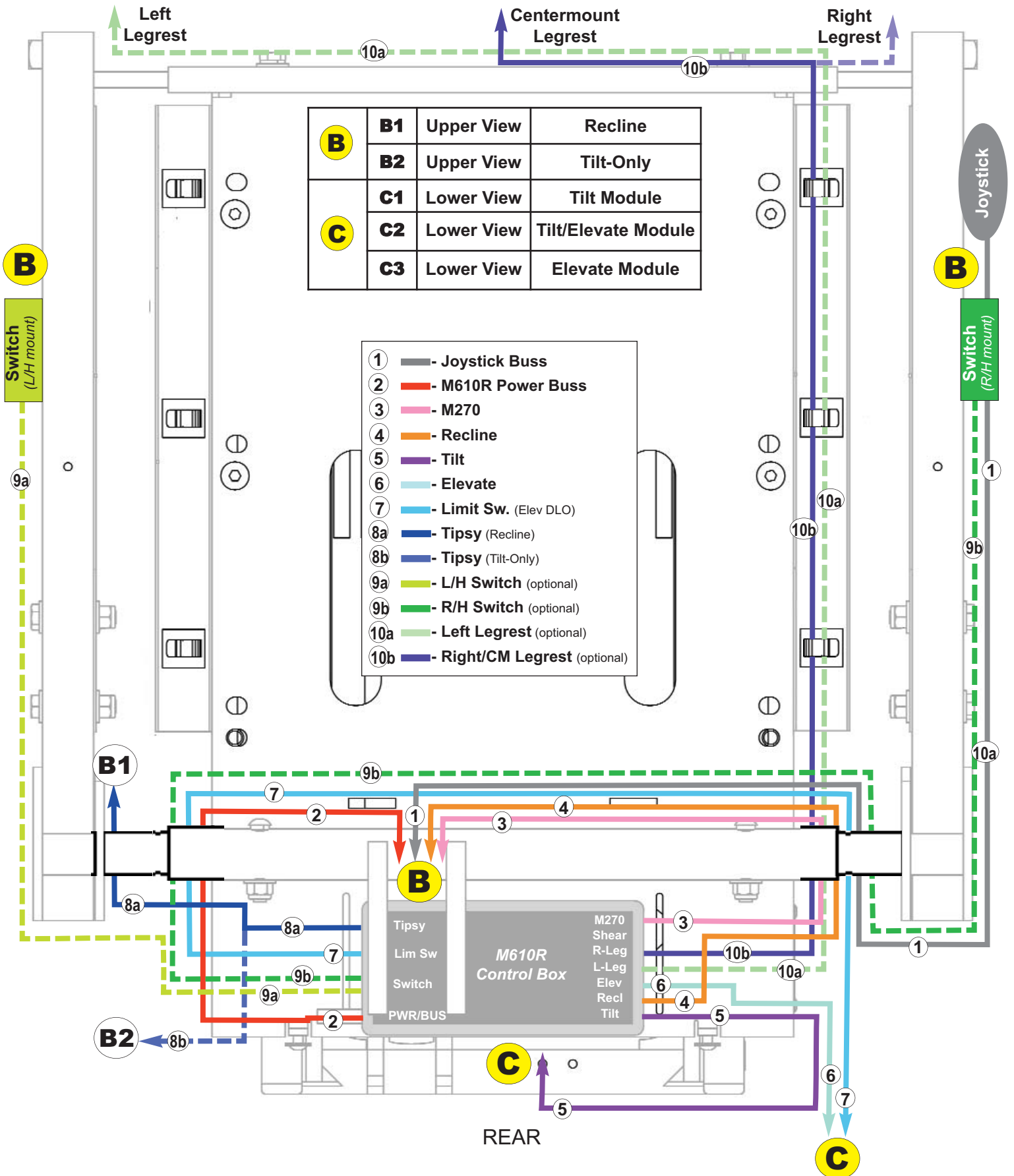
If you have any questions or concerns regarding the wire routing instructions contained in this manual, please contact our **Technical Service Department** for assistance.

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# Seating Module Wire Routing for the ROVI X3

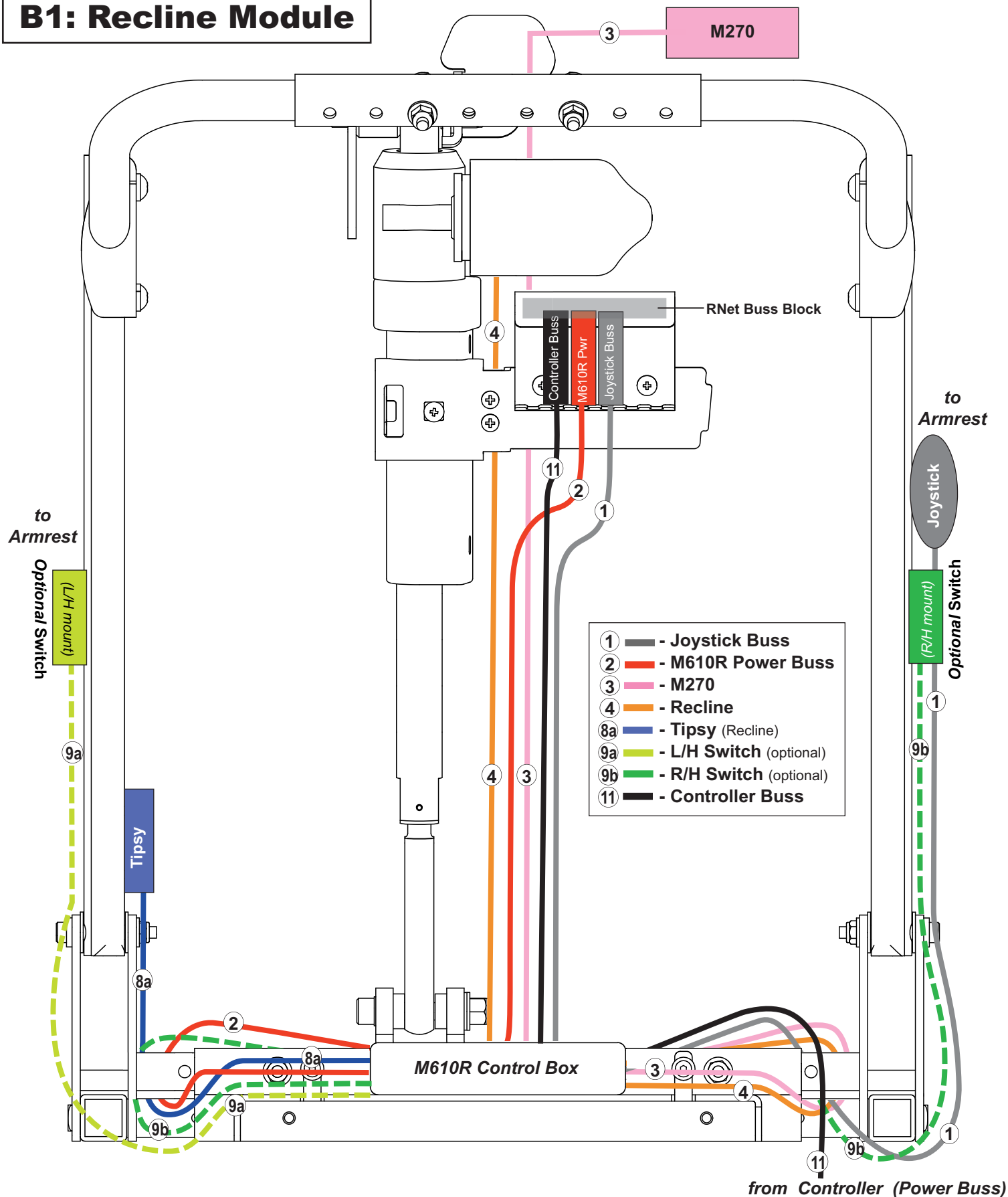
## A SEAT PAN (TOP) VIEW



Seating Module Wire Routing for the Rovi X3

**B** UPPER VIEW

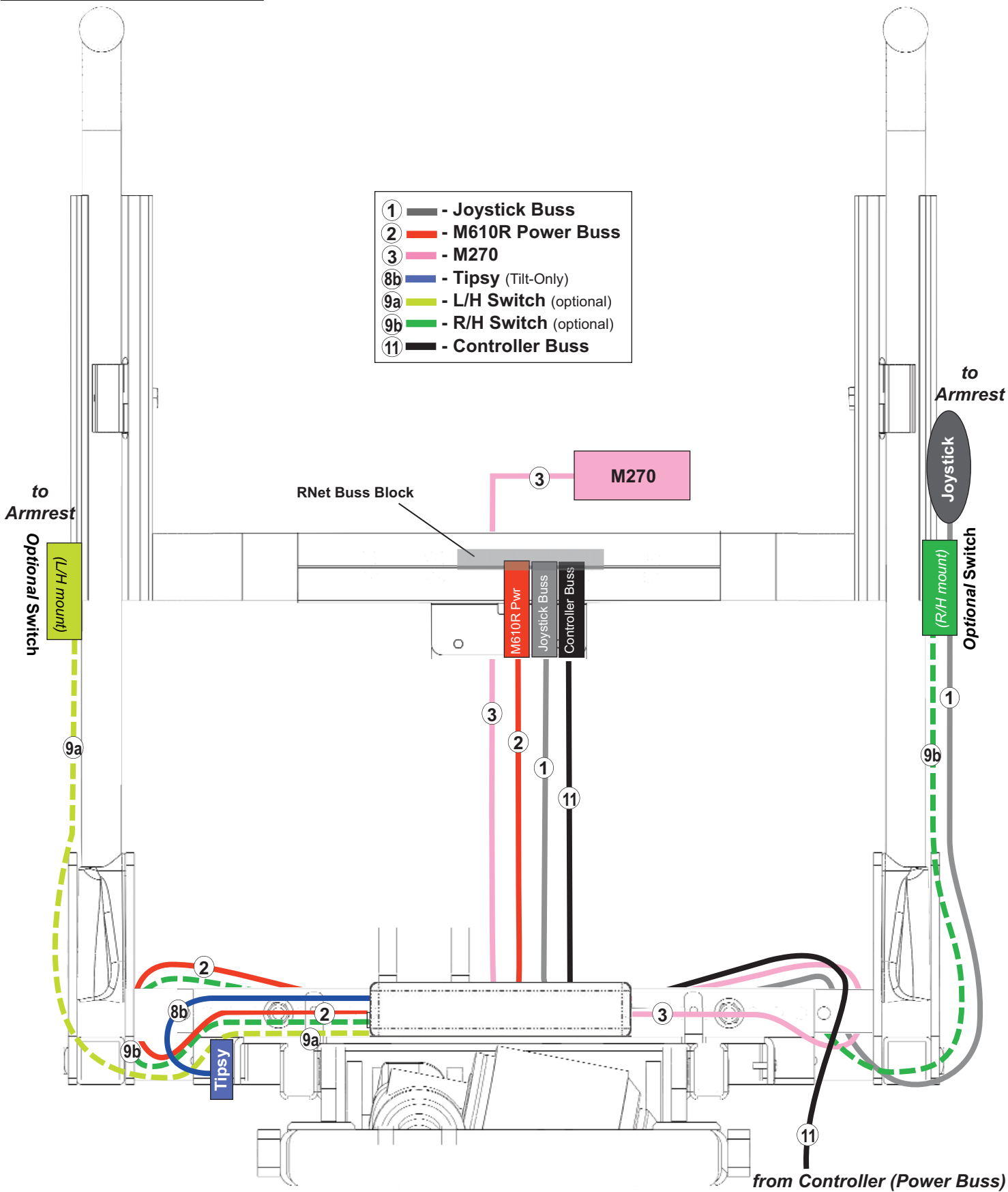
**B1: Recline Module**



Seating Module Wire Routing for the Rovi X3

**B** UPPER VIEW

**B2: Tilt-Only**

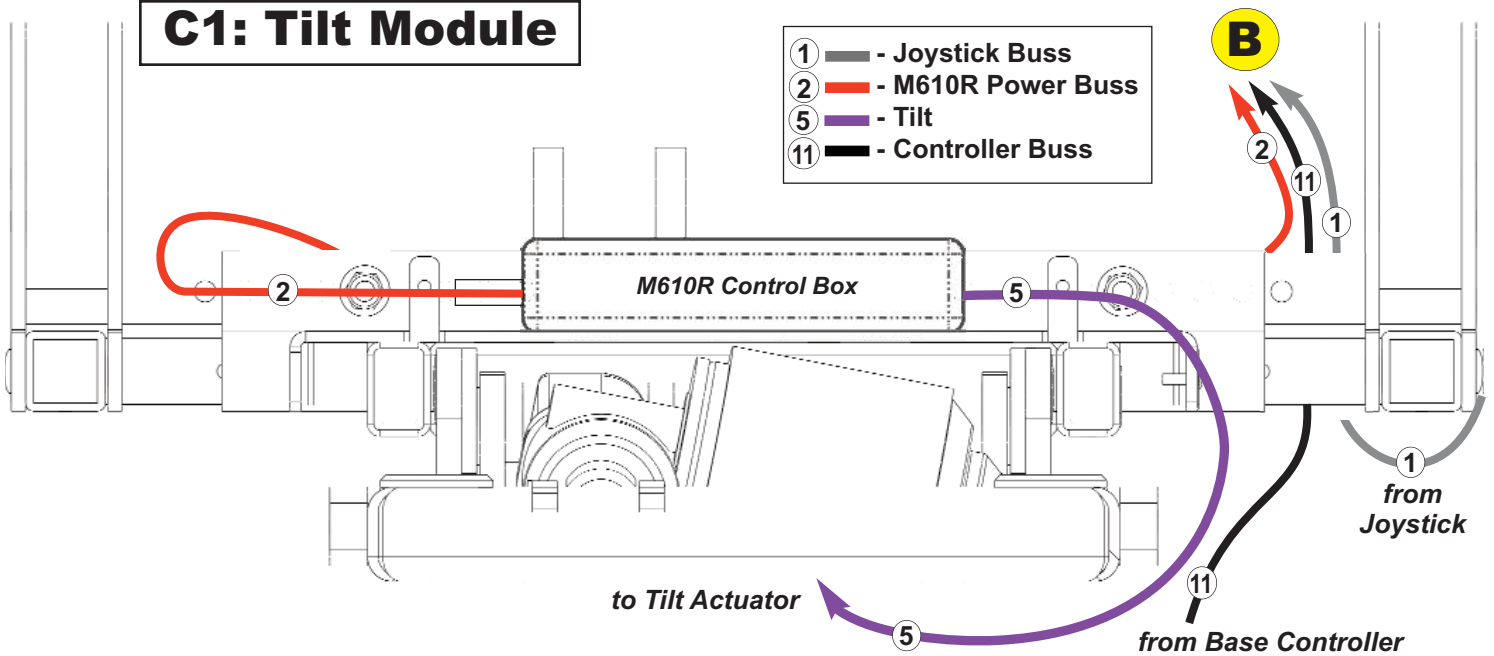




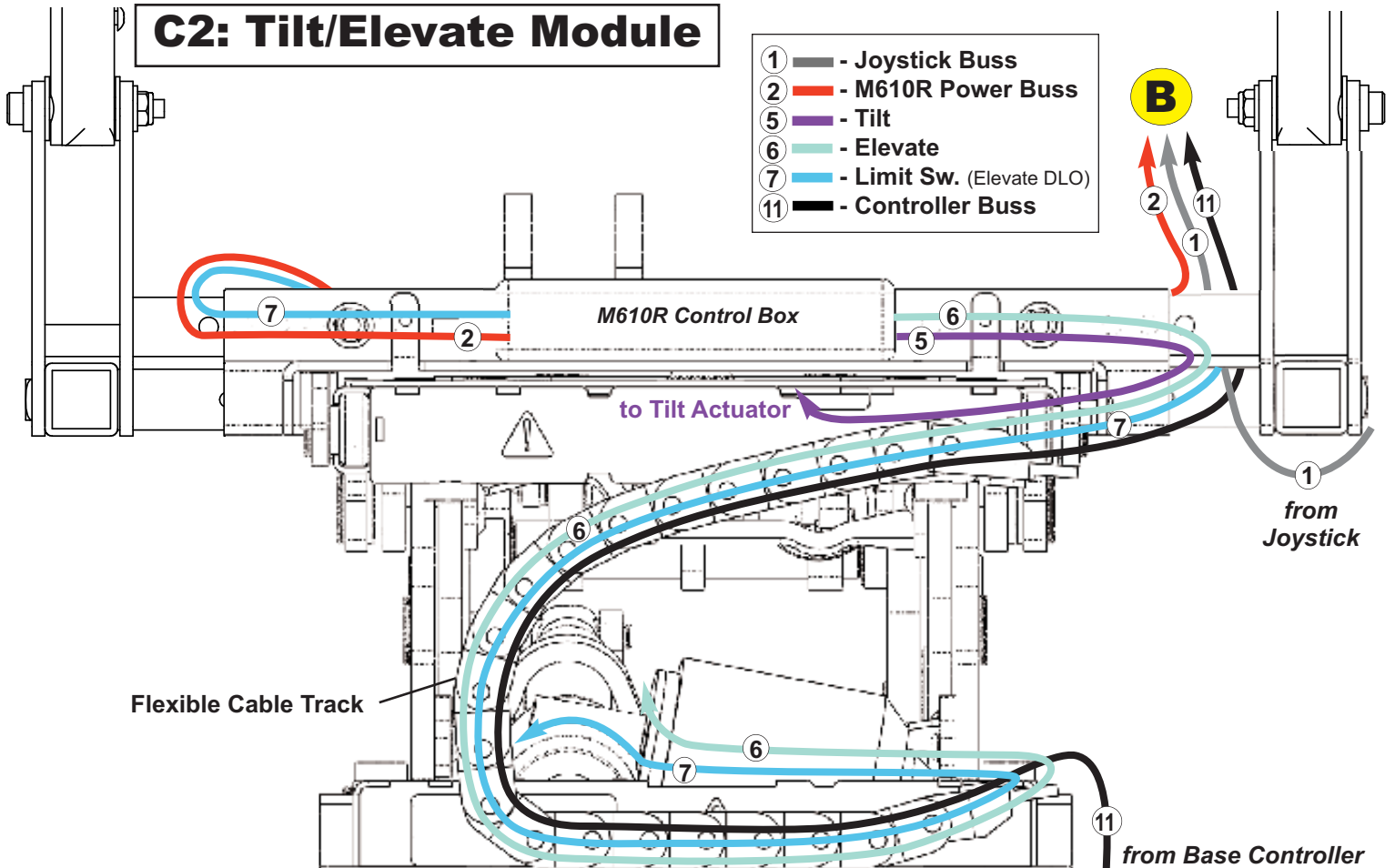
# Seating Module Wire Routing for the Rovi X3

## C LOWER VIEW

### C1: Tilt Module



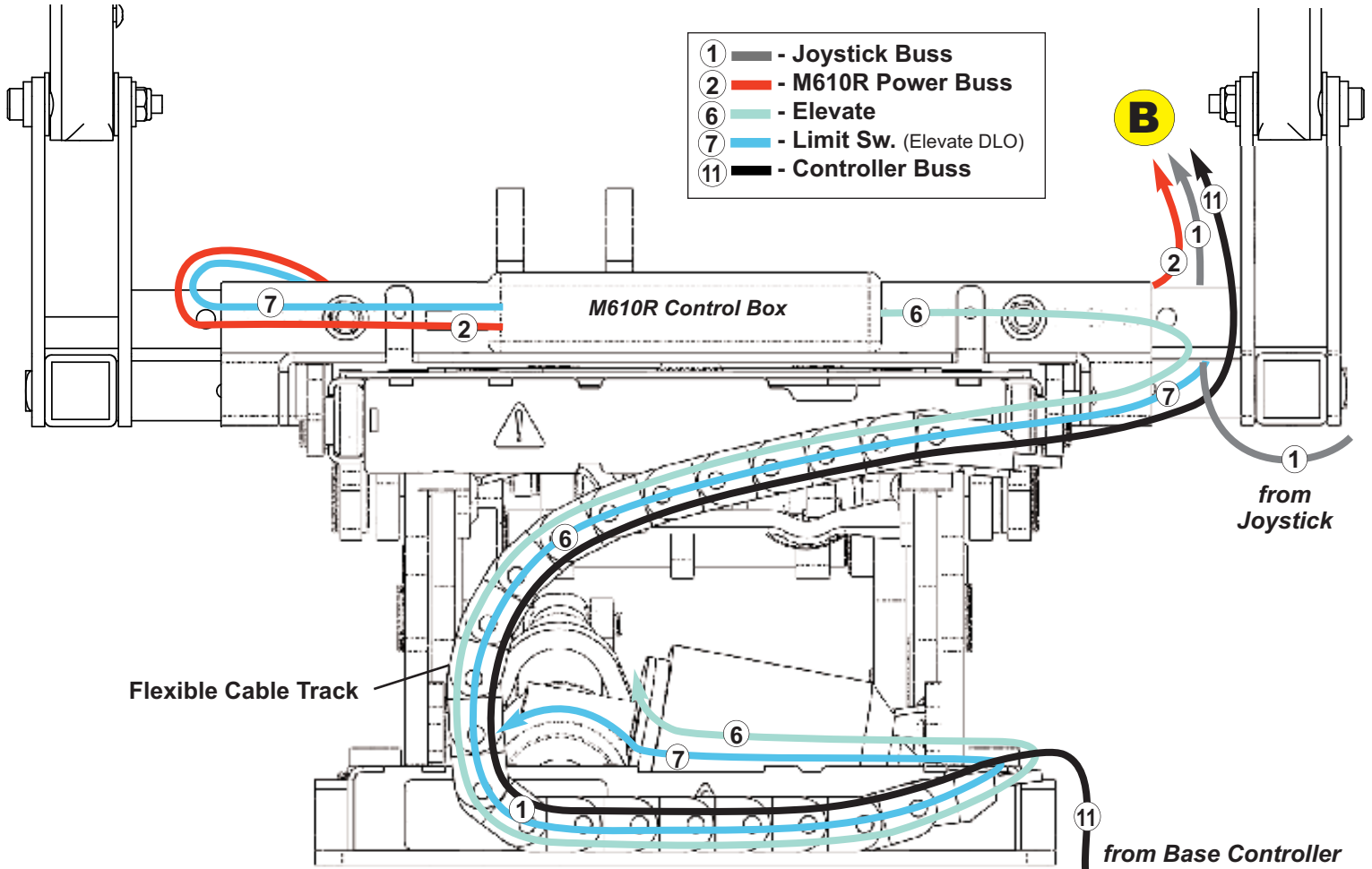
### C2: Tilt/Elevate Module



# Seating Module Wire Routing for the Rovi X3

## C LOWER VIEW

### C3: Elevate-Only Module



## NOTES:

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