

INSTRUCTION GUIDE

SEAT HEIGHT AND ANGLE CONFIGURATION

INTRODUCTION

This document provides instructions for interpreting configurations and installing seat mounting components to achieve the required **seat-to-floor height** and **seat angle**. It applies to configurations **with and without powered seat functions**. Technicians must follow these instructions precisely to ensure proper fit, alignment, and functionality.

BEFORE STARTING

Important Safety Precautions and Technical Tips

- Confirm that the wheelchair base, seating system, and installed options match the configuration matrix being used. Use the configuration provided by Technical Support for the specific request.
- Verify that all tools are in good working condition before use.
- Keep all fasteners organized to prevent loss and ensure efficient reassembly.

Note: All fasteners are **metric**, and both hex head screws and lock nuts are used and referenced throughout this document.

- Do not fully tighten hardware until bracket alignment has been verified.
- Refer to all associated figures and configuration matrix illustrations during installation.

Tools and Equipment Required

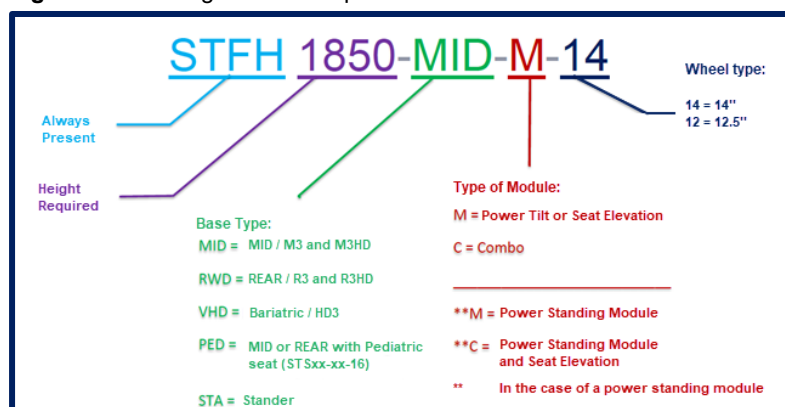
13 mm wrench or drill with 13 mm hex head bit

Matrix Overview – Marketing Code Description

The configuration matrix defines the relationship between:

- Seat-to-floor height
- Preset seat angle
- Frame hole selection
- Bracket positioning and spacing

Figure 1 Marketing code description



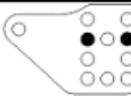
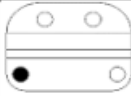
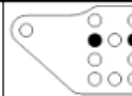
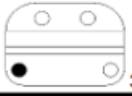
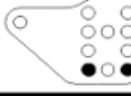
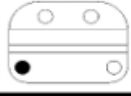
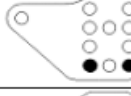
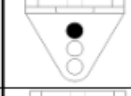
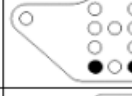
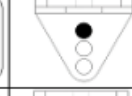
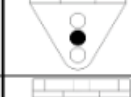
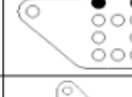
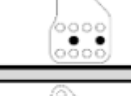
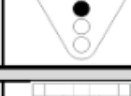
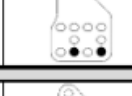
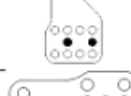
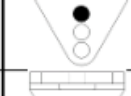
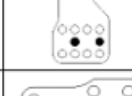
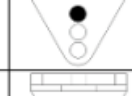
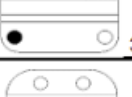
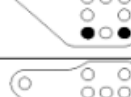
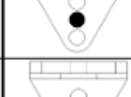
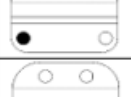
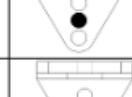
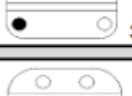
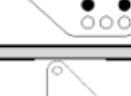
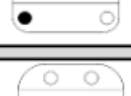
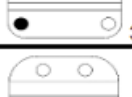
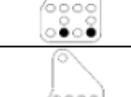
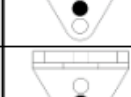
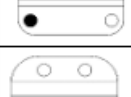
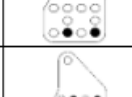
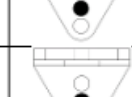
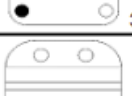
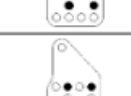
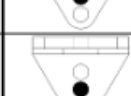
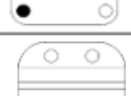
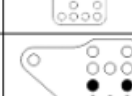
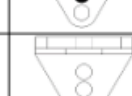
SEAT HEIGHT AND ANGLE CONFIGURATION (CONT.)

NO POWER OPTION

BEFORE INSTALLATION

Contact Technical Support to obtain the appropriate seat-to-floor height configuration for the power wheelchair before proceeding with these instructions.

Figure 2 Configuration for Mid-Wheel Drive (MWD) base – No power options

MID-WHEEL BASE - NO POWER OPTIONS									
MARKETING CODE	FRONT 1 2 3 4 5 6 7 8 BACK								
	SPACES BETWEEN BRACKETS								
	deg	1004787	1004788	1004881			1004787	1004788	1004881
STFH1550-MID-D-12 STFH1650-MID-D-14 STFH1675-PED-D-12 STFH1775-PED-D-14	0				6				
	-6				6				
		3							
STFH1650-MID-D-12 STFH1750-MID-D-14 STFH1775-PED-D-12 STFH1875-PED-D-14	0				6				
	3				6				
	-6				6				
STFH1750-MID-D-12 STFH1850-MID-D-14 STFH1875-PED-D-12 STFH1975-PED-D-14	0				6				
	3				6				
	6				6				
STFH1850-MID-D-12 STFH1950-MID-D-14 STFH1975-PED-D-12 STFH2075-PED-D-14	0				6				
	3				6				
	6				6				

SEAT HEIGHT AND ANGLE CONFIGURATION (CONT.)

- **Locate the required seat-to-floor height** by identifying the appropriate configuration (*STFHxxxx-xxx-x-##*) in the leftmost column of **Figure 2** (*Marketing Code*). Once a row has been selected, all remaining instructions must be taken from that same row.
- From the same row, **identify the required preset seat angle** using the second column (*deg*).
- The number shown in the *Front 1004787* column specifies the corresponding hole positions in the wheelchair frame (front/back). The black-filled holes in the matrix indicate the exact bracket holes where the screws must be installed.
- The two black-filled holes in the *1004788* column indicate where screws attach the brackets to the upper holes of bracket 1004787.
- The black-filled hole in the *1004881* column indicates where a screw connects bracket 1004788 to bracket 1004881.
- The “*Spaces Between Brackets*” column in the matrix represents unused frame holes that must remain between installed brackets. Count these holes carefully during installation.

INSTALLATION PROCEDURE

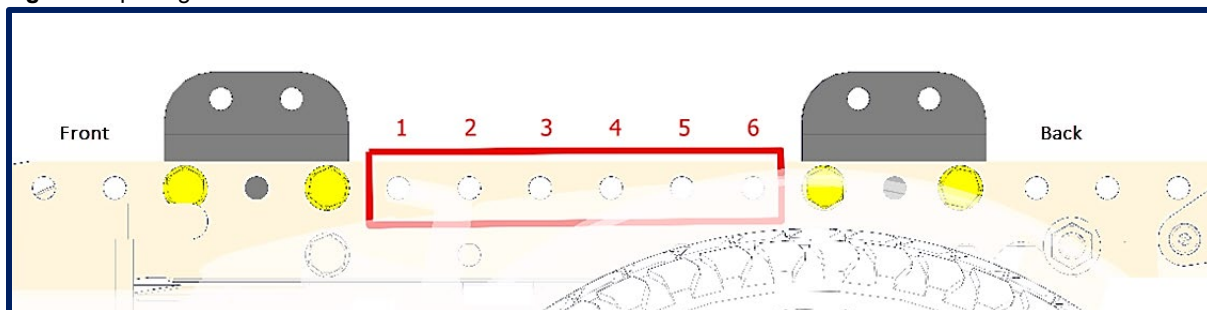
IMPORTANT: Always follow the configuration provided by Amylior Technical Support. Images are for reference only and may not reflect the exact configuration being assembled.

1. Installing Bracket 1004787

Tool Required: 13 mm wrench

- 1.1 Position the **1004787** brackets at the appropriate frame mounting holes according to the configuration specified in **Figure 2**. See **Figure 3** below for the correct spacing between brackets.

Figure 3 Spacing Between Brackets

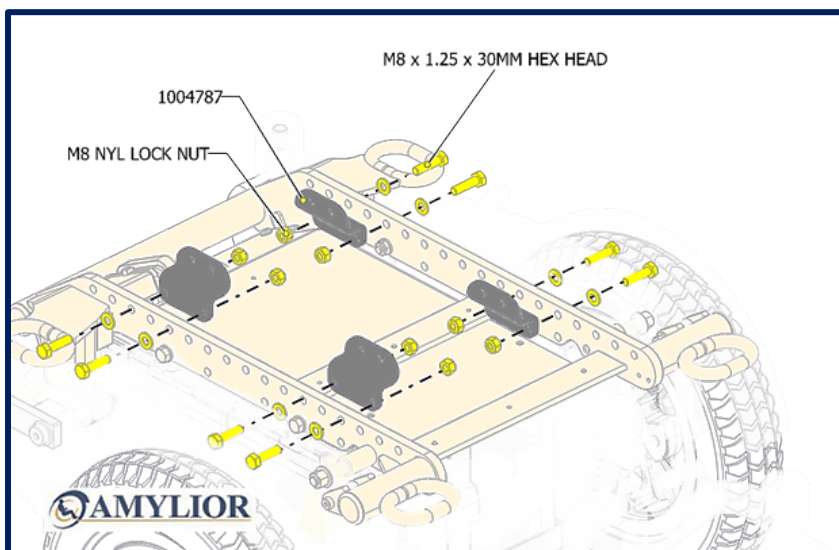


Note: The spaces between the brackets represent the number of free holes that will separate the brackets within the frame of the base.

- 1.2 Insert the eight (8) **M8 x 1.25 x 30 mm** hex head screws through the 1004787 bracket and frame mounting holes shown below in **Figure 4**.

SEAT HEIGHT AND ANGLE CONFIGURATION (CONT.)

Figure 4 Installing Bracket 1004787



- 1.3 Using a 13 mm wrench, secure screws with eight (8) **M8 NYL lock nuts**.
- 1.4 Tighten all hardware, taking care not to overtighten.

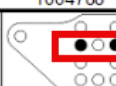
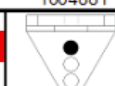
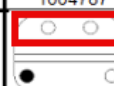
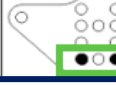
2. Installing Bracket 1004788

Tools Required: 13 mm wrench

- 2.1 Position bracket **1004788** over the bracket **1004787** holes specified below in **Figure 5**.

NOTE: Placement may vary depending on configuration.

Figure 5 Configuration for MWD base – No power options

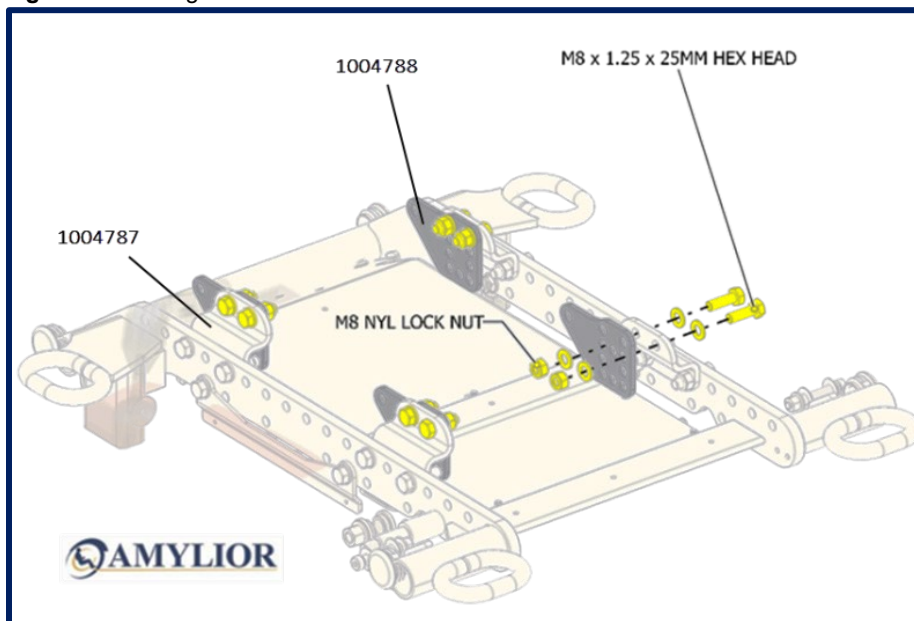
MID-WHEEL BASE - NO POWER OPTIONS						
MARKETING CODE	FRONT 1 2 3 4 5 6 7 8 BACK					
	SPACES BETWEEN BRACKETS					
	deg	1004787	1004788	1004881	1004787	1004788
STFH1550-MID-D-12 STFH1650-MID-D-14 STFH1675-PED-D-12 STFH1775-PED-D-14	0				6	
	-6				6	

Note: The two black-filled holes in the 1004788 column indicate the attach to the **top holes** of bracket 1004787

- 2.2 Insert eight (8) **M8 x 1.25 x 25 mm** hex head screws to attach **1004788** brackets to the respective **1004787** bracket holes (See **Figure 6**).

SEAT HEIGHT AND ANGLE CONFIGURATION (CONT.)

Figure 6 Installing Bracket 1004788



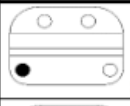
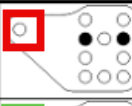
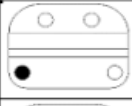
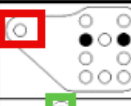
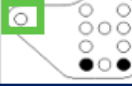
- 2.3 Secure the screws with the **M8 NYL Lock Nuts** using a 13 mm wrench or drill.
- 2.4 Tighten all hardware, taking care not to overtighten.

3. Installing Bracket 1004881

Tools Required: 13 mm wrench

- 3.1 Position the **1004881** brackets at the appropriate bracket mounting holes specified below in **Figure 7**.

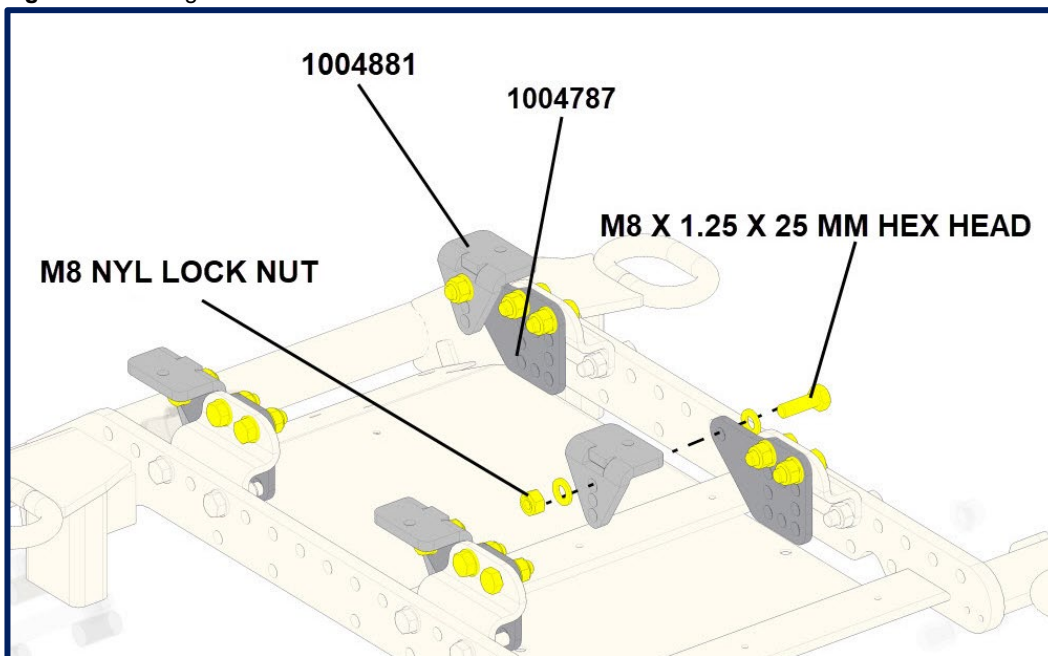
Figure 7 Configuration for *MWD base – No power options*

MID-WHEEL BASE - NO POWER OPTIONS									
MARKETING CODE	deg	FRONT							
		SPACES BETWEEN BRACKETS							
		1004787	1004788	1004881	1004787	1004788	1004881	1004787	1004788
STFH1550-MID-D-12 STFH1650-MID-D-14 STFH1675-PED-D-12 STFH1775-PED-D-14	0				6				
	-6				6				

- 3.2 Insert the four (4) **M8 x 1.25 x 25 mm** hex head screws through the bracket and base mounting holes, shown below in **Figure 8** (1004881 bracket hole and the respective 1004787 bracket mounting holes).

SEAT HEIGHT AND ANGLE CONFIGURATION (CONT.)

Figure 8 Installing Bracket 1004881



- 3.3 Secure with four (4) **M8 x 1.25 x 25 mm** hex head using **M8 NYL lock nuts** with a 13 mm wrench.
- 3.4 Tighten all hardware, taking care not to overtighten.

4. Installing the Seat Pan

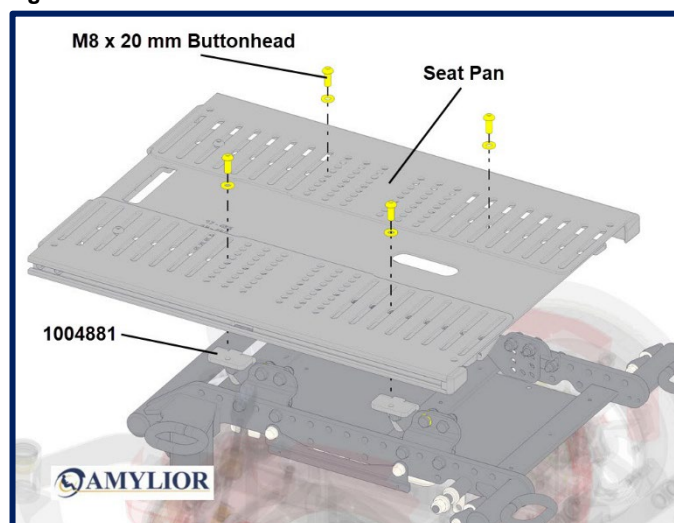
Once all the brackets are securely fastened, the seat pan can be installed.

- Position the seat pan at the appropriate seat-depth based on the user's required measurements, ensuring it rests on the top of the 1004881 brackets.

4.1 Adult Seat Pans

- 4.2 Insert four (4) M8 x 1.25 x 20 mm button head screws into each mounting hole of the 1004881 brackets (See **Figure 9**)

Figure 9 Adult Alltrack Power Wheelchair Seat Pan Installation

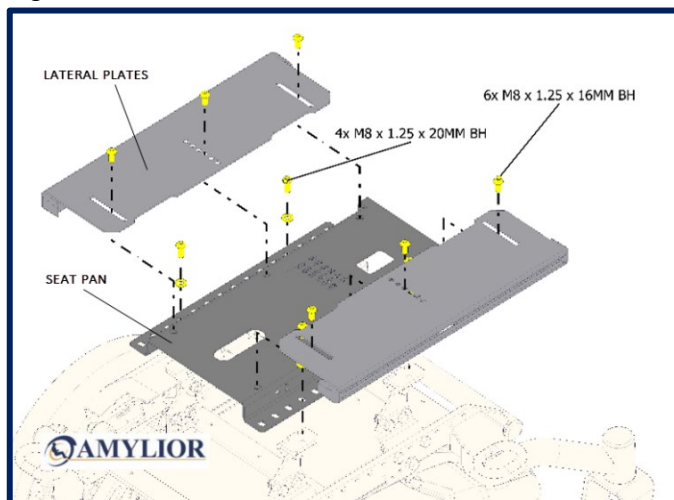


SEAT HEIGHT AND ANGLE CONFIGURATION (CONT.)

4.3 Pediatric Seat Pans

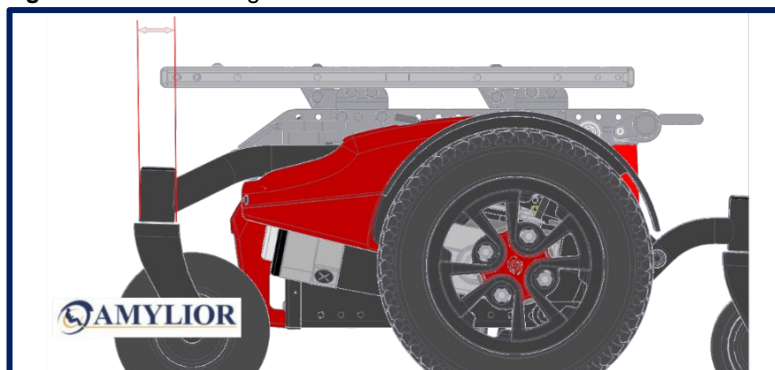
- 4.4 Insert four (4) M8 x 1.25 x 20 mm button head screws into each mounting hole of the 1004881 brackets (See **Figure 10**).
- 4.5 Position lateral plates on the seat pan at the desired seat width.
- 4.6 Secure lateral plates with six (6) M8 x 1.25 x 16 mm button head screws using a 13 mm wrench.
- 4.7 Once installed, ensure the front edge of the seat pan aligns with the front caster hub of the wheelbase. (See **Figure 11**)

Figure 10 Pediatric Alltrack Power Wheelchair Seat Pan Installation



NOTE: This applies to Mid-Wheel Drive and Hybrid-Wheel Drive bases, with or without power center-mount legrests.

Figure 11 Seat Pan alignment



NOTE: In the event of interference between the front caster hub and a legrest or footrest, the seat pan may be adjusted forward by up to 1" (25 mm).

SEAT HEIGHT AND ANGLE CONFIGURATION (CONT.)

POWER OPTIONS

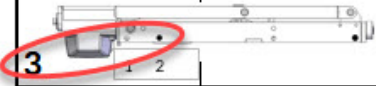
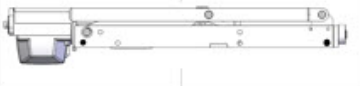
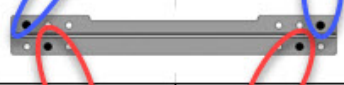
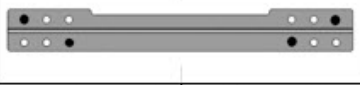
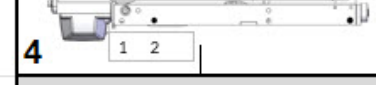
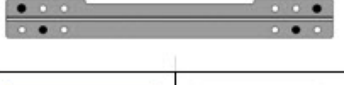
BEFORE INSTALLATION

Contact Technical Support to obtain the appropriate seat-to-floor height configuration for the power wheelchair before proceeding.

Interpreting the Matrix

Colored or circled elements are provided for illustration purposes only to demonstrate how to interpret the matrix. These may not correspond to the configuration being installed. Always rely on the configuration matrix for exact hole locations and component alignment.

Figure 12 Interpreting the Highlighted Holes in the Matrix

MID / M3		STFH1550-MID-M-12 STFH1650-MID-M-14		STFH1650-MID-M-12 STFH1750-MID-M-14		STFH1750-MID-M-12 STFH1850-MID-M-14	
		FRONT	BACK	FRONT	BACK	FRONT	BACK
19" MAX DEPTH	TILT						
	BENT BRACKET (1004781)						
	ADJUSTABLE HEIGHT BRACKET (1005287 / 1004872)						
22" MAX DEPTH	TILT						
	BENT BRACKET (1004781)						
	ADJUSTABLE HEIGHT BRACKET (1005287 / 1004872)						

SEAT HEIGHT AND ANGLE CONFIGURATION (CONT.)

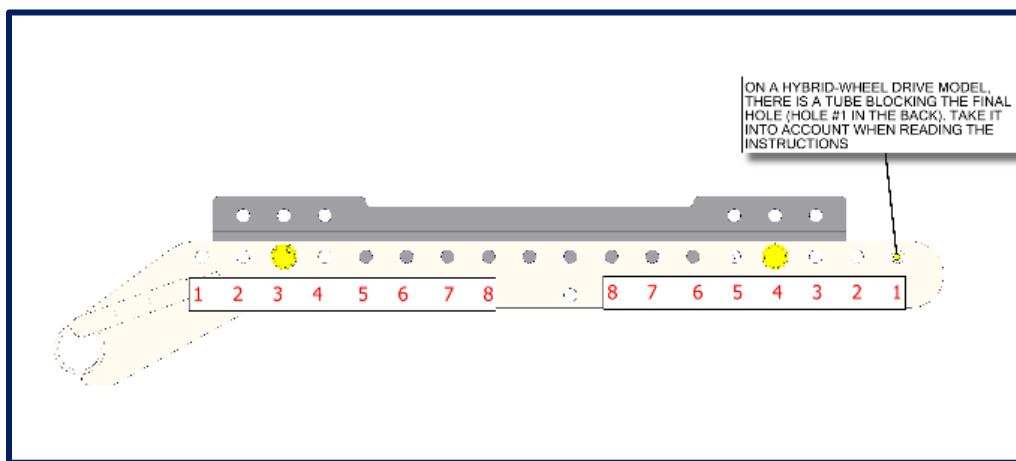
INSTALLATION PROCEDURE

IMPORTANT: Always follow the configuration provided by Amylior Technical Support. Images are for reference only and may not reflect the exact configuration being assembled.

1. Lowest Seat-to-Floor Height Configuration

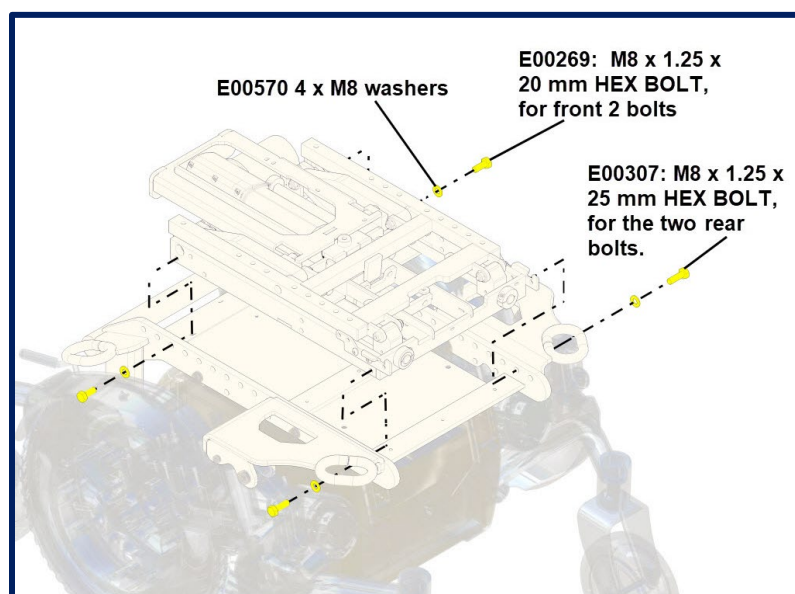
- 1.1. Consult the provided configuration information from Amylior Technical Support.
- 1.2. Identify the required frame mounting hole as specified in the configuration matrix.

Figure 13 Desired Spacing Between Frame Mounting Holes



- 1.3. Position the power module against the wheelchair frame.
- 1.4. Align the power module mounting hole with the selected frame mounting hole.
- 1.5. Insert the M8 hex head screws to secure the power module to the frame (2x E00307 and 2x E00269 for MWD, 4x E00269 for HWD). See *Figure 13* below.

Figure 14 Installing Back of Power Module into Frame



NOTE - For installation on a Hybrid-Wheel Drive model, replace the M8 x 1.25 x 25 mm Hex Bolts with M8 x 1.25 x 20 mm Hex Bolts

- 1.6. Tighten all hardware. Do not overtighten.

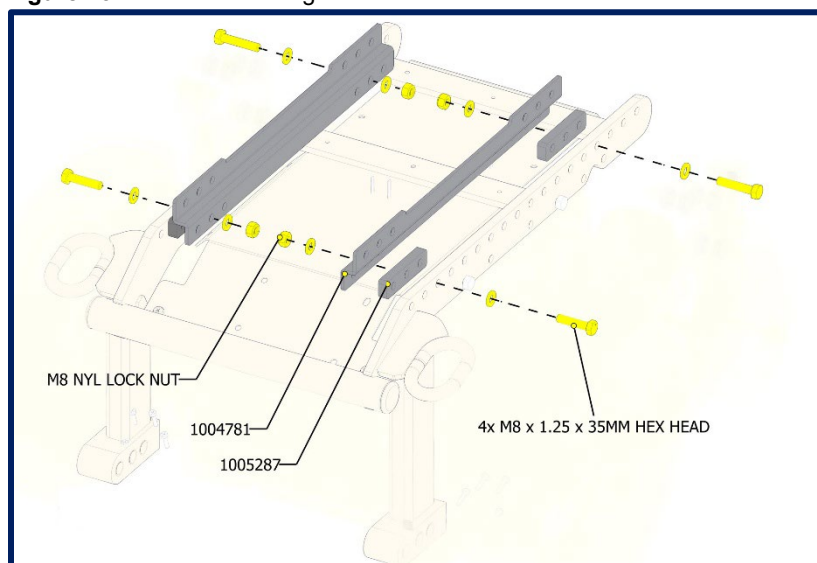
SEAT HEIGHT AND ANGLE CONFIGURATION (CONT.)

2. Seat-to-Floor Height (+1 in/+25 mm)

- 2.1 Consult the provided configuration information from Amylior Technical Support.
- 2.2 Position the bent bracket (**1005287**) so that its highlighted holes align with the locations specified in the matrix.
- 2.3 Align the highlighted holes of the bent bracket with the corresponding holes on the power module.
- 2.4 Insert four (4) **M8 x 1.25 x 35 mm** hex head screws through the aligned holes and install the hardware as shown in **Figure 15**.
- 2.5 Secure the screws with four (4) **M8 NYL lock nuts**.
- 2.6 Tighten all hardware. Do not overtighten.

NOTE: If HWD model, replace the two (2) rear 40 mm screws with two (2) **M8 x 35 mm** hex head screws.

Figure 15 Seat-to-Floor Height +1in



3. Seat-to-Floor Height (+2, +3, or +4 in/ +50, +75, or +100 mm)

- 3.1 Consult the provided configuration information from Amylior Technical Support.
- 3.2 Position adjustable height bracket (**1004872**) so the highlighted hole aligns with the specified mounting hole in the frame.
- 3.3 Align bent bracket (**1004781**) highlighted holes of the power module.
- 3.4 Insert the four (4) M8 x 40 mm, four (4) **M8 x 35 mm**, and four (4) **M8 x 25 mm** hex head screws through the desired mounting holes. (See **Figures 16-17-18**)
- 3.5 Secure each screw with an **M8 NYL lock nut**.
- 3.6 Tighten all hardware. Do not overtighten.

NOTE: If HWD model, replace the two (2) rear 40 mm screws with two (2) **M8 x 35 mm** hex head screws..

SEAT HEIGHT AND ANGLE CONFIGURATION (CONT.)

Figure 16 Seat-to-Floor Height Configuration (+2 in)

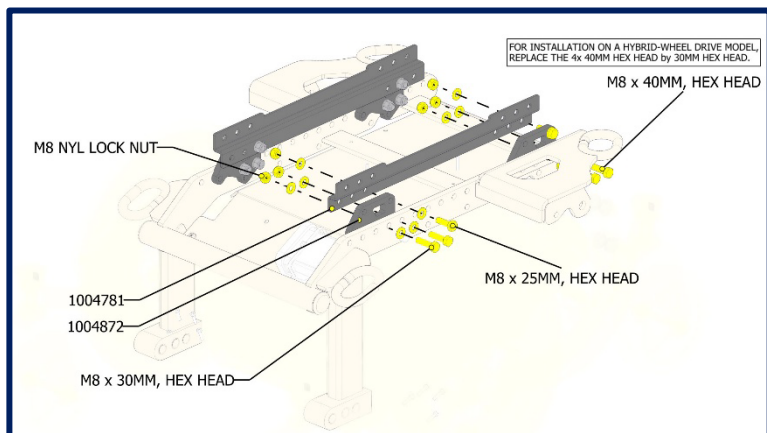


Figure 17 Seat-to-Floor Height Configuration (+3 in)

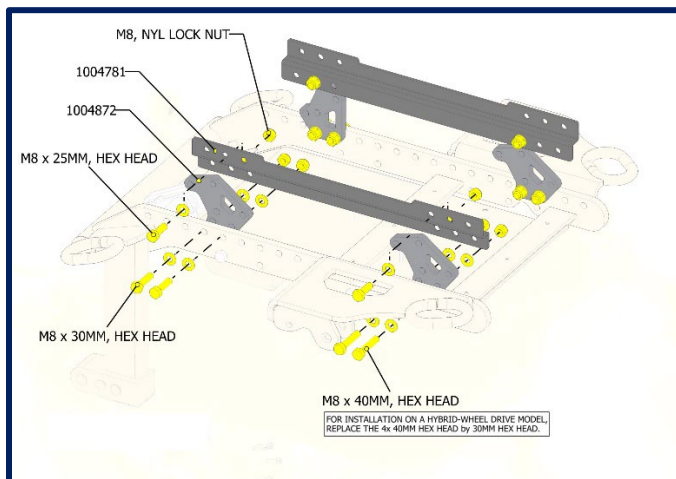
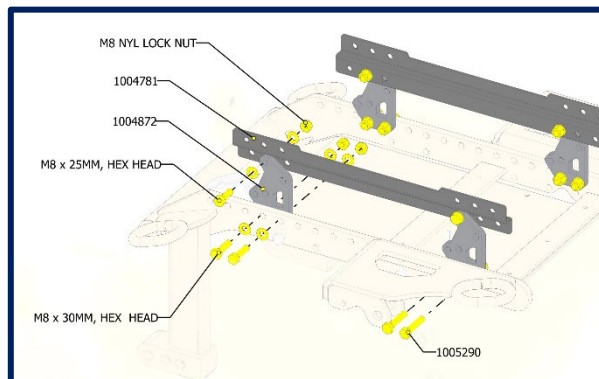


Figure 18 Seat-to-Floor Height Configuration (+4 in)



4. Installing the Power Module Seat Pan

- 4.1 Position the power module in between the two L-brackets (1004781). See **Figure 19**
- 4.2 Insert four (4) **M8 x 1.25 x 16 mm hex head screws** through the module and the frame mounting points.
- 4.3 Tighten all hardware. Do not overtighten.

Figure 19 Installing the Power Module

