

6390 Angle Position Sensor (APS) Calibration Instructions

TOOLS REQUIRED

- Stryker EMS USB Tool
- T25 Torx Driver
- Male-to-Male USB Cable
- Tape Measure

PROCEDURE

1. Place the vehicle on a level surface.
2. Make sure that the Power-LOAD main power is turned on.
3. Press and hold the release lever at the foot end of the Power-LOAD system and pull to remove the cot from the vehicle patient compartment.

Note: The head end LED indicators turn solid green only when the cot is ready to unload.

4. Unload the cot from the vehicle:
 - **For cot models 6500/6506 & 6510/6516:**
 1. Press and hold the extend (+) button on the cot control switch to extend the cot base until the cot wheels rest on the ground.
 2. Release the extend (+) button after the cot is no longer supported by the lifting arms. The lifting arms will continue moving until they have fully lowered. **Do not unlock the cot from Power-LOAD.**
 - **For cot models 6085/6086:**
 1. Operator 1 (foot end) - Grasp the cot frame at the foot end. Squeeze and hold the cot manual release.
 2. Operator 2 (side) - Grasp the base frame, lift slightly, and lower the base frame to its fully extended position. Verify that the base is fully extended.
 3. Operator 1 (Foot End) – Release the cot manual release to lock the undercarriage into the extended position.
 4. Press the down (↓) button on the Power-LOAD control panel to lower the lifting arms and cot. **Do not unlock the cot from Power-LOAD.**
5. Using a T25 Torx driver, remove the two screws (A) that secure the cover to the left wing assembly to gain access to the USB port (Figure 1). Save the screws and cover for reinstallation.
6. Unscrew the cap that protects the USB port.
7. Set the laptop with the Stryker EMS USB tool installed on top of the cot mattress at the foot end of the cot.

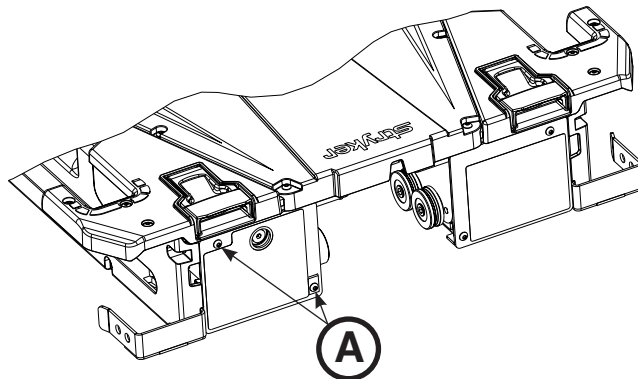


Figure 1

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8. Plug the male-to-male USB cable into the USB port and to an available USB port on the laptop.

Note: Make sure that the male-to-male USB cable will not get caught on anything while the Power-LOAD system moves in and out of the vehicle patient compartment.

9. Double-click the **Stryker EMS USB Tool** icon on your desktop. The tool software will automatically detect the Power-LOAD.
10. After the Stryker EMS USB tool and Power-LOAD are connected, click **Advanced** and then click **Calibrate APS**.
11. In the **Enter Password** field, enter **Stryker1** and click **Enter**.
12. Load the cot into the vehicle:
 - **For cot models 6500/6506 & 6510/6516:**
 - Press and hold the retract (–) button on the cot control switch to fully retract the cot undercarriage until the cot is supported.
 - **For cot models 6085/6086:**
 - Press the up (↑) button on the Power-LOAD control panel to raise the lifting arms to the highest position.
Note: The cot legs do not retract.
 - Operator 1 (Foot End) – Grasp the cot frame at the foot end. Squeeze and hold the cot manual release.
 - Operator 2 (Side) – Stabilize the cot by placing one hand on the outer rail. Grasp the base frame. After the foot end operator has squeezed the cot manual release, retract the undercarriage with one hand and hold it in place.
 - Operator 1 (Foot End) - Release the cot manual release to lock the undercarriage in the retracted position. Ensure that the cot manual release is released. If it is not released, the cot base will extend preventing the cot from locking in the fastener.
13. Push the cot into the vehicle patient compartment until the foot end cot wheels are over the floor of the vehicle patient compartment, but not in the full in and locked position.

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14. Using a tape measure, measure the distance from the bottom of the foot end cot wheel to the floor with the cot wheel facing the back of the vehicle patient compartment (Figure 2). Make sure that the distance between the bottom of the foot end cot wheel to the floor is 2 in.

- If the measurement is more than 2 in, click **Decrement (-)** on the **Connected to Trolley** calibration screen (Figure 3).
- If the measurement is less than 2 in, click **Increment (+)** on the **Connected to Trolley** calibration screen (Figure 3).

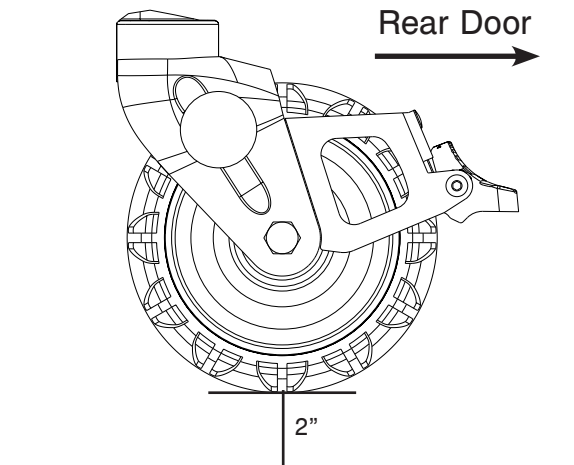


Figure 2

15. Grasp the cot frame at the foot end to pull the cot out of the vehicle patient compartment.

Note: The head end LED indicators turn solid green only when the cot is ready to unload.

16. Unload the cot from the vehicle (see steps 3-4 on page 1).
17. Load the cot into the vehicle (see steps 12-13 on page 2).
18. Repeat steps 12-17 until the distance between the bottom of the foot end cot wheel to the floor is 2 in.
19. Unplug the male-to-male USB cable from the Power-LOAD USB port.

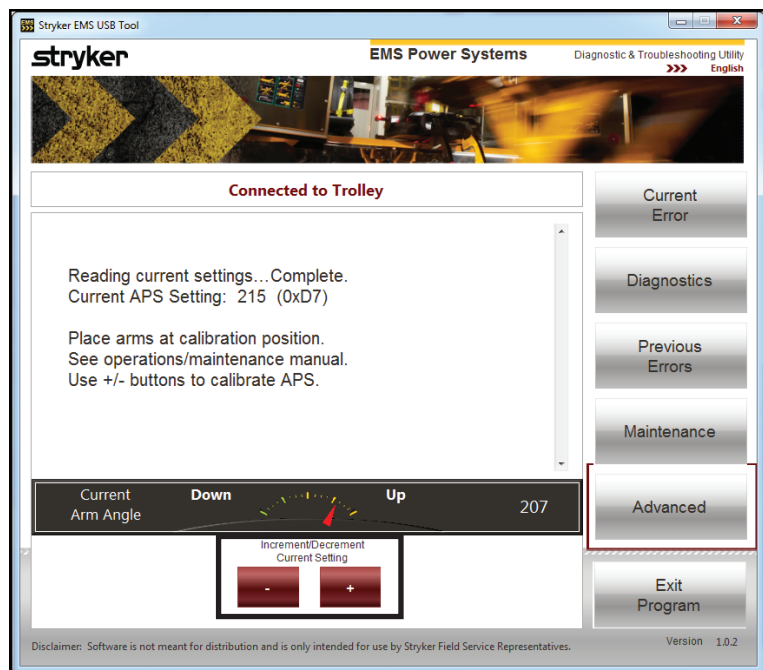


Figure 3

20. Screw the USB port cap back on to the USB port.
21. Using a T25 Torx driver, reinstall the two screws (removed in step 5) to secure the cover to the left wing assembly.
- Note: Make sure that the extruded “U” nut does not rotate clockwise when you tighten the bottom right T25 Torx screw on the left wing assembly cover.**
22. Verify proper operation of the product before returning it to service.