

Additional control box SSM and SSP for Power wheelchair with VR2-A1



Seating Selection Panel(SSP)



Seating Selection Module(SSM)

Table of Contents

A. Introduction.....	3
B. Installation.....	3
Step 1 to Step 3.....	3
Step 4 to Step 8.....	4
Step 10 to Step 15.....	5
Step 16 to Step 18.....	6
C. Operation.....	6
Drive Condition.....	6
Seating Condition.....	6
Seating Actuator Selection.....	6
Display on Seating Selection Panel.....	7
D. Technical Information.....	8



Power wheelchair with additional control box. (SSP and SSM)

- A. Introduction: SSP and SSM are designed for VR2-A1 to achieve multi-actuator (up to 5) function.

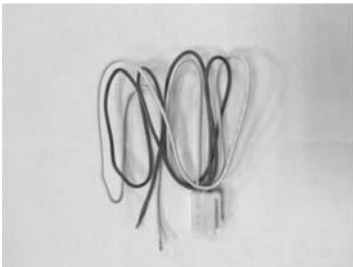


Seating Selection Panel(SSP)



Seating Selection Module(SSM)

- B. Installation:(The illustrated power wheelchair is P323.)
(If without seatlift, please start from step 4)



Step 1. In the accessories bag, you can find this cable.
(This cable is a temporary cable for seatlift installation.)



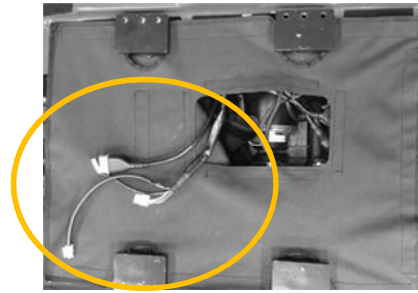
Step2. Connect this cable to seatlift actuator.



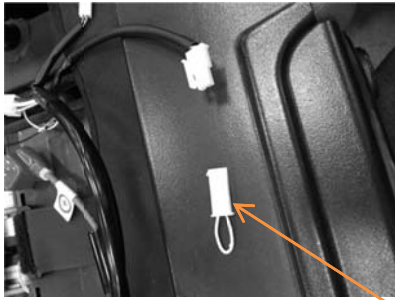
Step 3. To facilitate the subsequent installation, please raise up the seatlift via battery power, then remove the temporary cable.



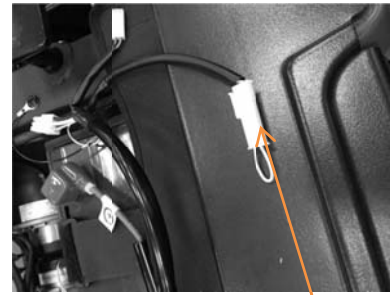
Step 4. Install the batteries.



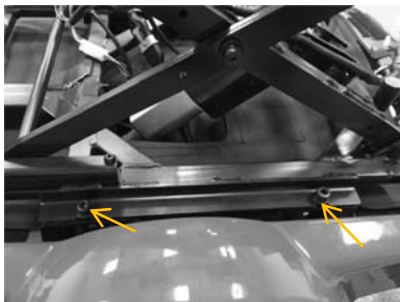
Step 5. Cover the black blanket and pull cables out of it.
There are four connectors



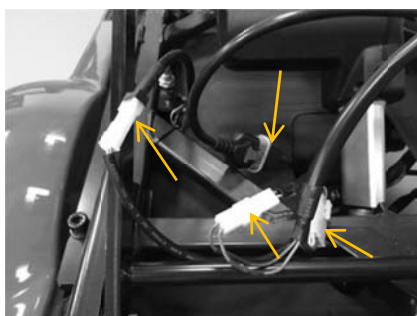
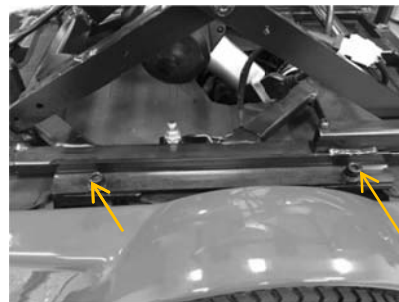
Step 6. If with seatlift, no need this shortcut.



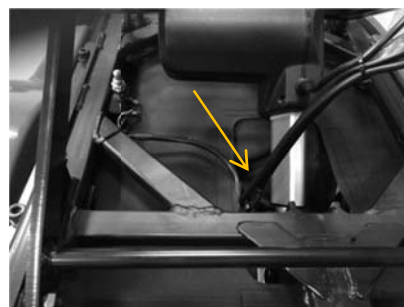
Otherwise, connect this shortcut.



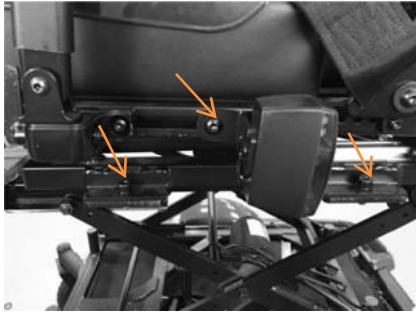
Step 7. Install the seatlift onto the base and fix the four screws. (If without seatlift, please go to step 10)



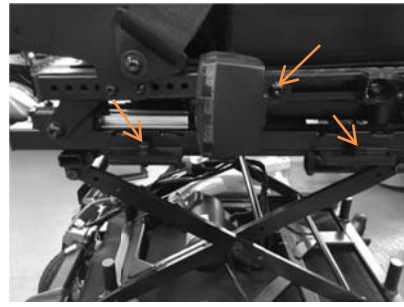
Step 8. Connect the 4 connectors between base and seatlift.



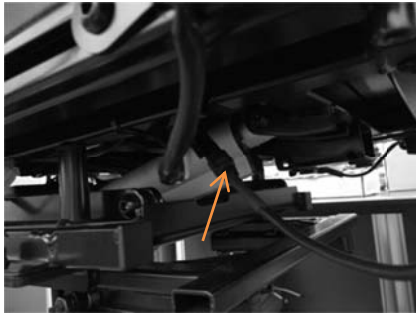
Step 9. Put the connectors back into the blanket.



Step 10. Install the rehab seat onto the base(or seatlift)

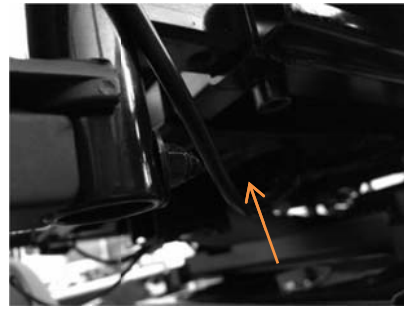


Step 11. Install the lighting sets.(if with lightings)



Step 12. Install R/L ELRs and connect the connectors. (If with R/L ELRs)

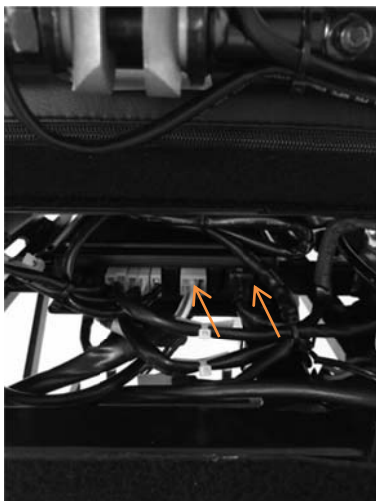
Install footplate and connect the connector.(If with footplate, there are two connector, one for the actuator and the other for angle sensor.)



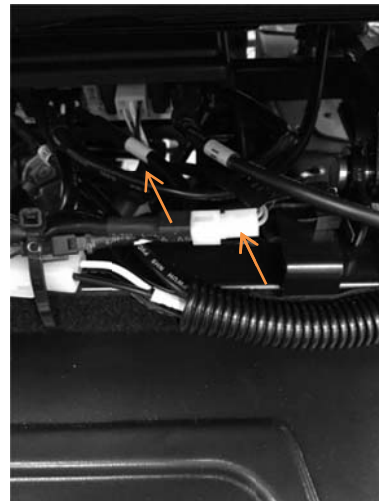
Step 13. Install joystick set

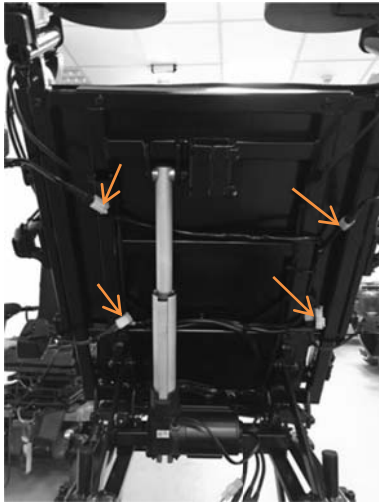


Step 14. Connect the two connectors between rehab seat and seatlift.(if with seatlift.)

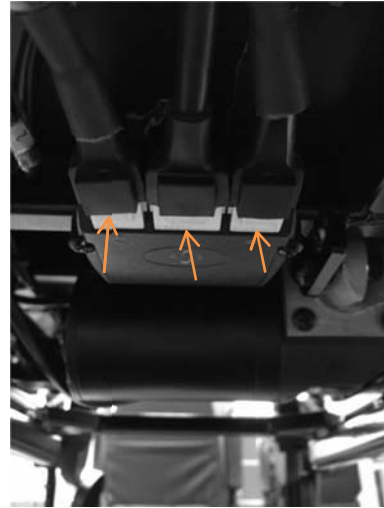


Step 15. Connect the 6P & 8P connector to the SSM, and connect the 2P as well as 3p connectors between wires.

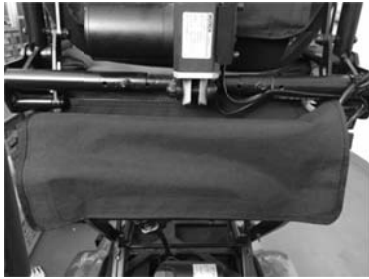




Step 16. Connect the 4 lighting connectors for lightings.(if with lightings.)



Step 17. Connect lighting module connectors beneath the rehab seat. (If with lightings.)



Step 18. Put on the rear cover.

C. Operation



1. Drive condition



2. Seating condition



3. Seating Actuator Selection: Push the yellow button on seating selection panel(SSP) to toggle which seating actuator(s) is(are) selected. Move forward/backward the joystick to activate the seating actuator(s)

4. Display on Seating Selection Panel (SSP):



Seatlift



Tilt



Recline



Right ELR or footplate

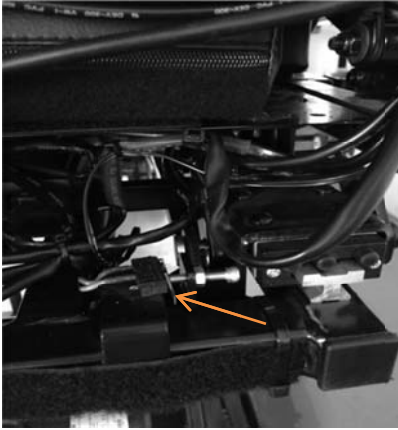


Left ELR

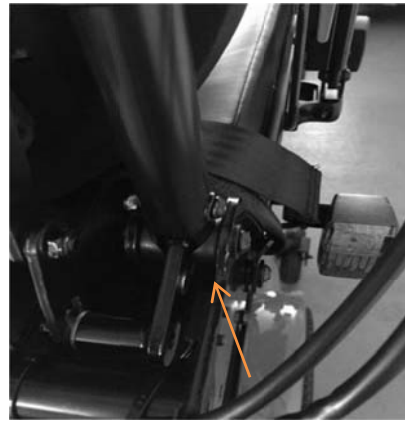


Recline, R/L ELR or footplate

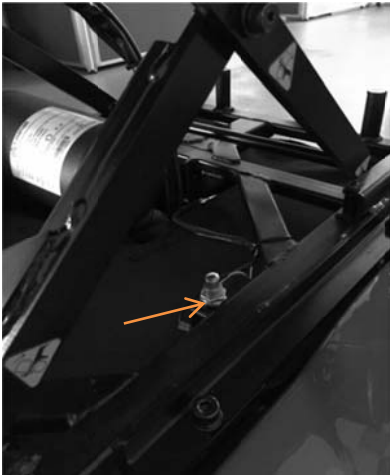
D. Technical Information:



1. When seat tilts over 20°, drive will inhibit.



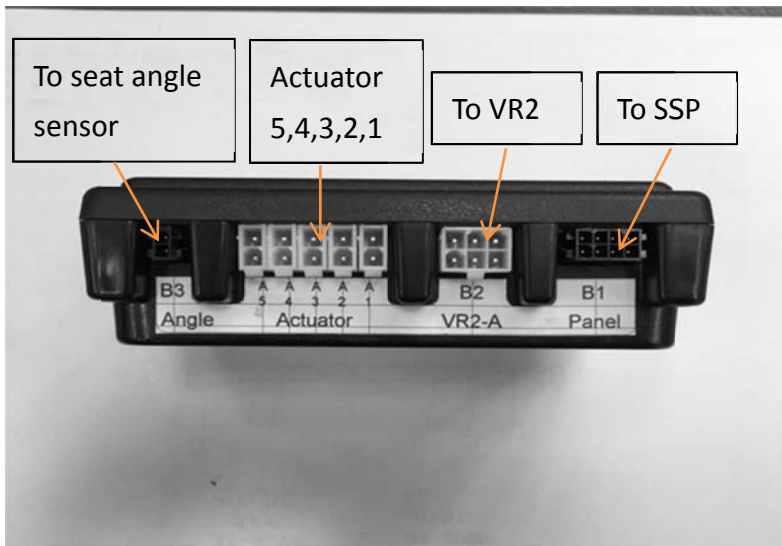
2. When seat reclines over 110°, drive will inhibit



3. When seat lifted, drive speed will be limited.



4. Seat angle sensor: restriction to 150° Max.



5. Seating Selection Module(SSM)

A1: Actuator seatlift

A2: Actuator tilt

A3: Actuator recline

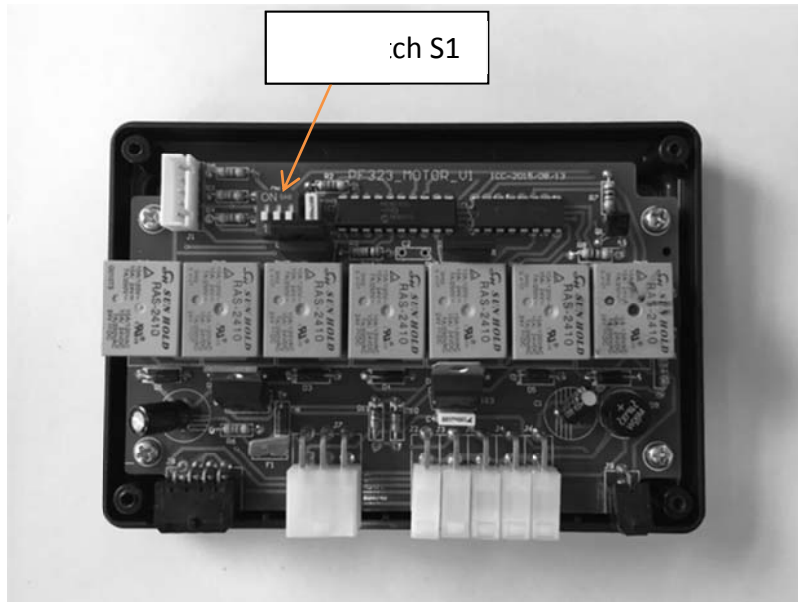
A4: Actuator right ELR(or actuator footplate)

A5: Actuator left ELR

B1: Connect to Seating Selection Panel SSP.

B2: Connect to Power wheelchair controller VR2-A1 and OBC .

B3: Connect to Seat angle sensor.



6. Inside SSM, there is a Dip Switch S1. The Settings of S1 defines the configuration of seating actuators. Please refer to Table 1 for details. Default is settings A.

Settings	Dip 1	Dip 2	Dip 3	Seatlift A1	Tilt A2	Recline A3	R-ELR A4	L-ELR A5	Footplate A4
A	Off	Off	Off	Yes	Yes	Yes	Yes	Yes	No
B	Off	Off	On	Yes	Yes	Yes	No	No	Yes
C	Off	On	Off	No	Yes	Yes	Yes	Yes	No
D	Off	On	On	No	Yes	Yes	No	No	Yes
E	On	Off	Off	Yes	Yes	No	Yes	Yes	No
F	On	Off	On	Yes	Yes	No	No	No	Yes
G	On	On	Off	Yes	No	Yes	Yes	Yes	No
H	On	On	On	Yes	No	Yes	No	No	Yes

Table 1