

LUXE SERIES/ REINVENTED/ COMFORT ECHO (POWER)

REPAIR, INSTALL AND TROUBLESHOOTING GUIDE



AMERICAN LEATHER

COMFORT ECHO LUX GUIDE

SHEET 3: HOW TO REMOVE AND REPLACE SWITCH.

SHEET 4-7: HOW TO REMOVE MECHANISM.

SHEET 8: HOW TO REPLACE SEAT MOTOR.

SHEET 9-10: HOW TO REPLACE HEADREST MOTOR.

SHEET 11: HOW TO REMOVE ARMS.

SHEET 12: HOW TO REPLACE BATTERY.

SHEET 13: TROUBLESHOOTING GUIDE.

SHEET 14-20: LIST OF PARTS.

SHEET 21: WIRING DIGRAM (ARM SWITCH CONTROL).

SHEET 22: WIRING DIGRAM (SEAT TOUCH CAPACITOR CONTROL).



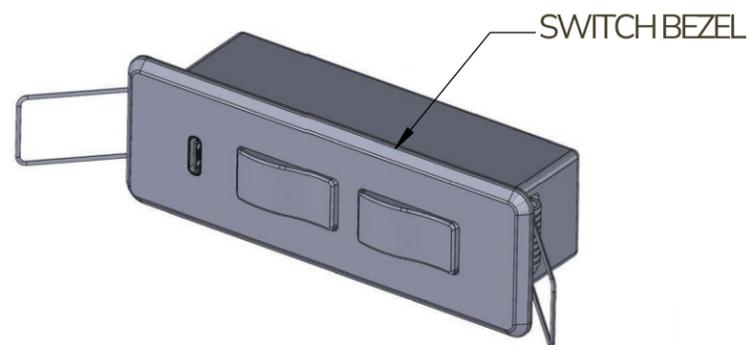
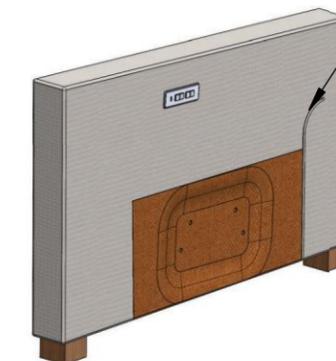
REMOVING AND REPLACING THE SWITCH:

1. USE A FLATHEAD SCREWDRIVER AND GENTLY PLACE BEHIND SWITCH BEZEL. USE CAUTION NOT TO SCRATCH BEZEL.
2. PULL SWITCH OUT. USE CAUTION AS SWITCH ARMS ARE SPRING LOADED AND WILL SNAP SHUT IF LET GO TOO QUICKLY.
3. ONCE REMOVED FROM ARMREST, UNPLUG SWITCH FROM WIRE HARNESS PLUG. USE CAUTION NOT TO LET HARNESS DROP DOWN INTO ARMREST.
4. REPLACE WITH NEW SWITCH (PART #198099) AND PLUG INTO HARNESS.
5. IF HARNESS DROPS DOWN INTO ARMREST, IT WILL NEED TO BE REROUTED BACK OUT. THERE IS A ZIPPER ON INNER SIDE OF ARM TO ACCESS CORD.
6. SPRING LOADED ARMS MUST BE FORCED BACK AS YOU INSERT SWITCH BACK INTO ARMREST.

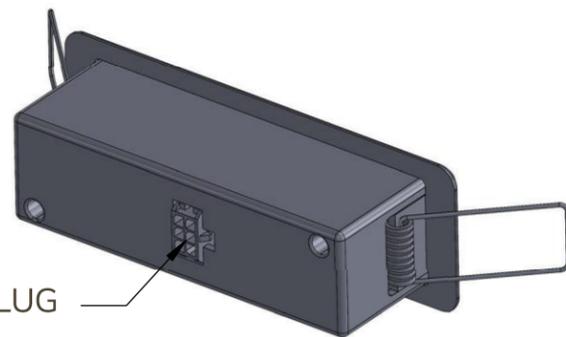
SWITCH TO BE REPLACED



ZIPPER LOCATION



WIRE HARNESS PLUG



SPRING LOADED ARMS



SOFA ARM STRUCTURE

INSTALLED SWITCH VIEW

A

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REMOVING MECHANISM:

FOLLOW STEPS BELOW IN ORDER:

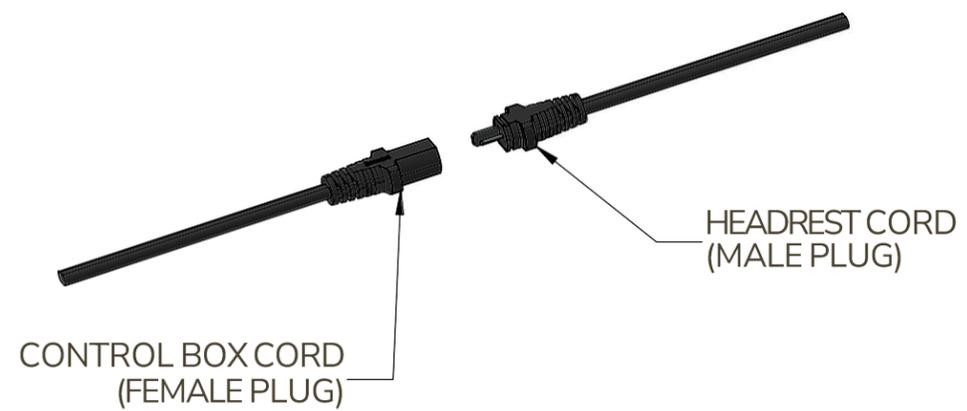
1. FULLY OPEN MECHANISM



2. PULL BACK REST UPWARD AS SHOWN BELOW



3. UNPLUG HEADREST CORD AND REMOVE THE BACK



4. FULLY CLOSE THE MECHANISM



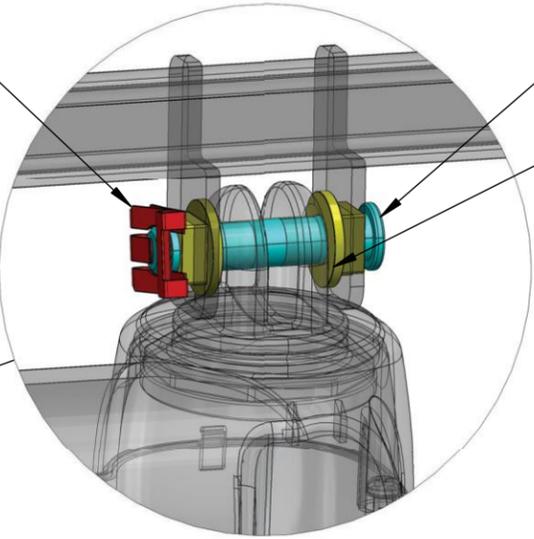
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6. REMOVE CLIP AND PULL PIN OUT THEN REMOVE BUSHING

REMOVE CLIP

PULL PIN

REMOVE BUSHINGS

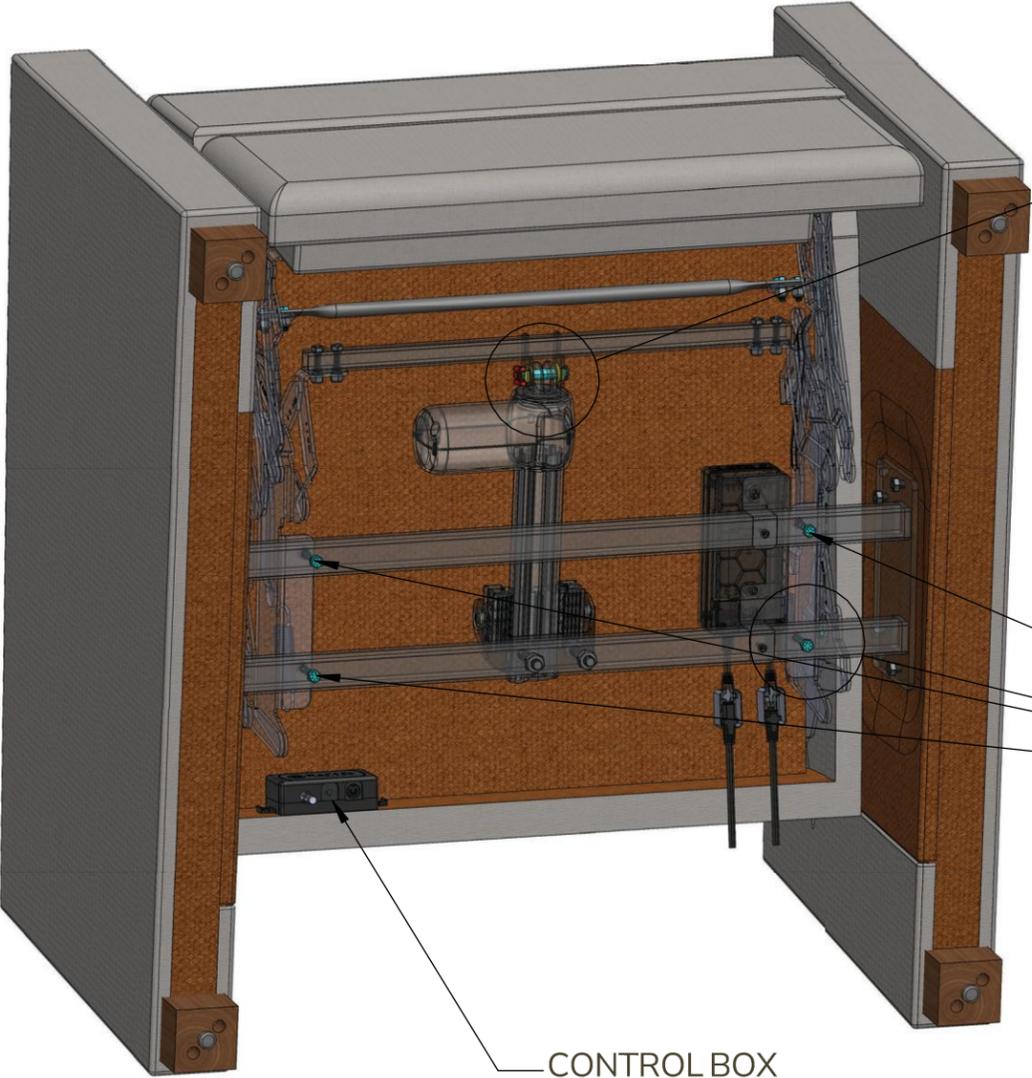
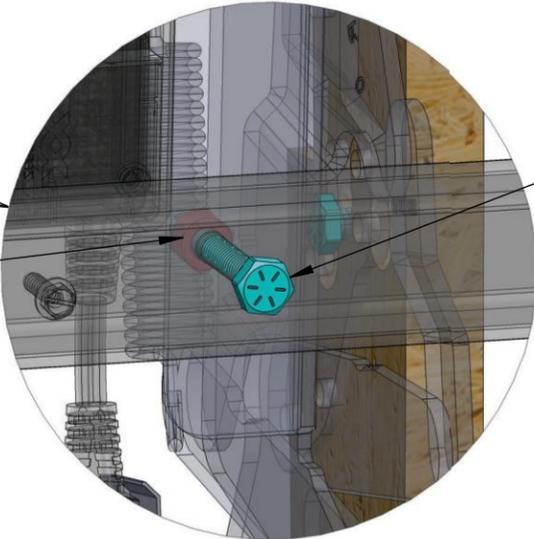


5. FLIP CHAIR ON BACK.

7. REMOVE BOLTS AND NUTS IN 4 LOCATIONS

REMOVE NUTS

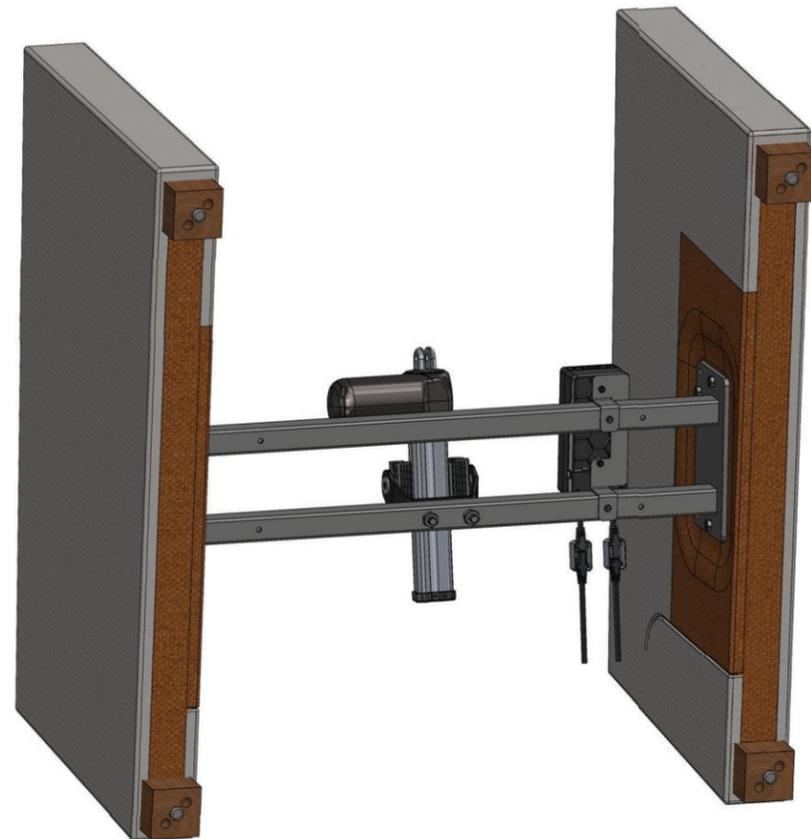
REMOVE BOLTS



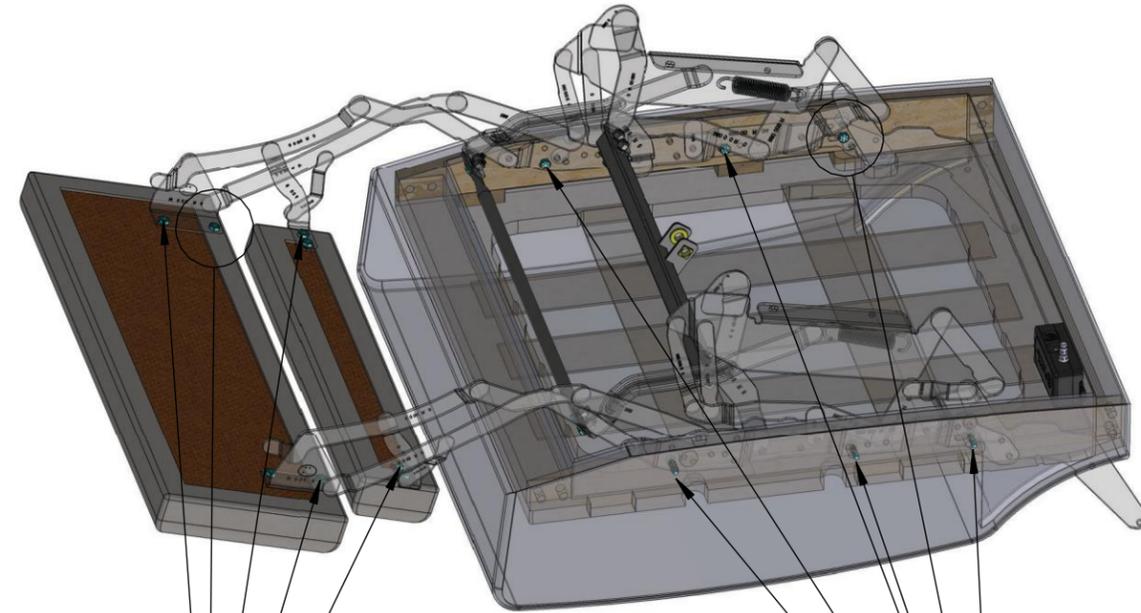
CONTROL BOX



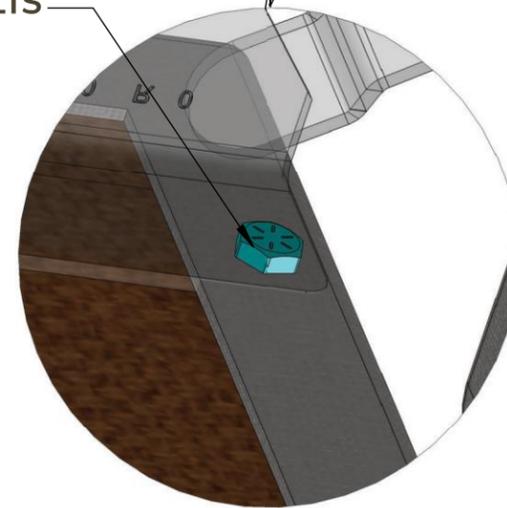
8. DETTACH SEAT FROM CHASSIS



9. OPEN MECHANISM MANUALLY

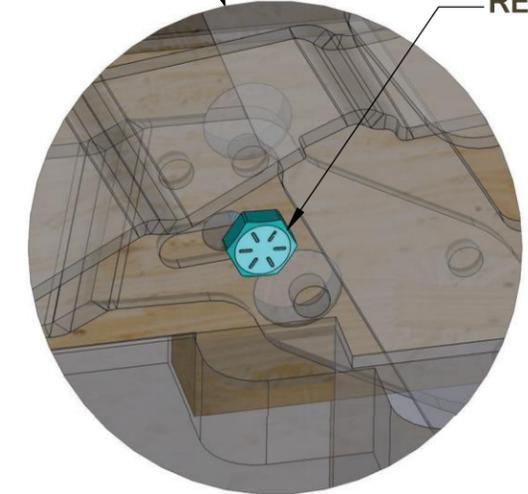


REMOVE BOLTS



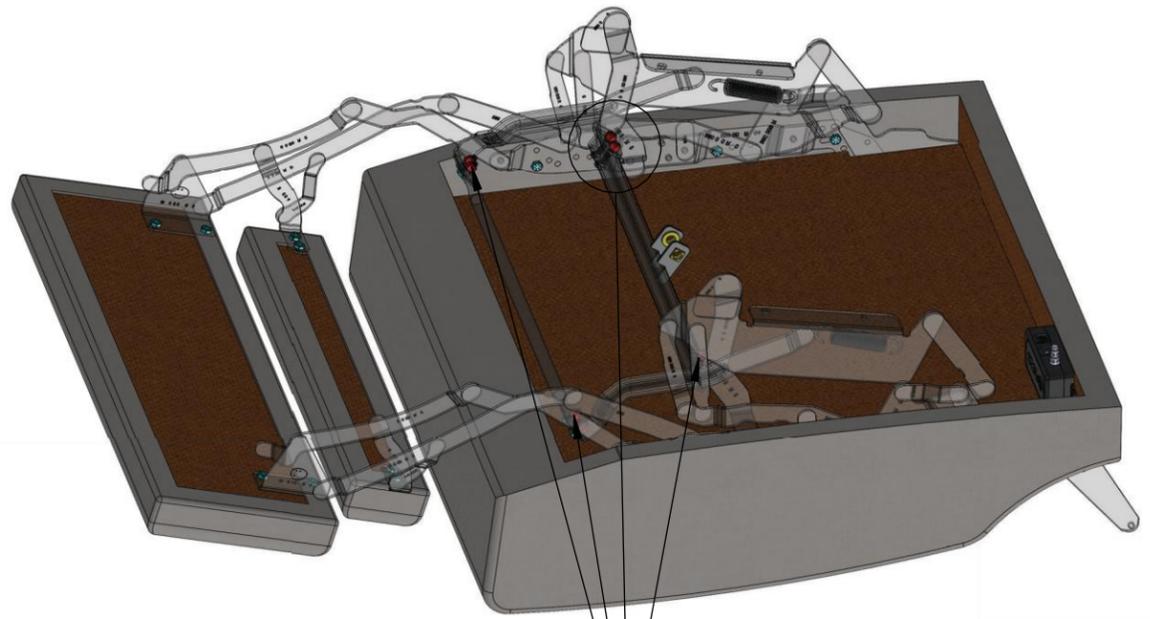
10. REMOVE LEGRESTS BY REMOVING BOLTS IN 4 LOCATIONS OF EACH SIDE OF SEAT

REMOVE BOLTS

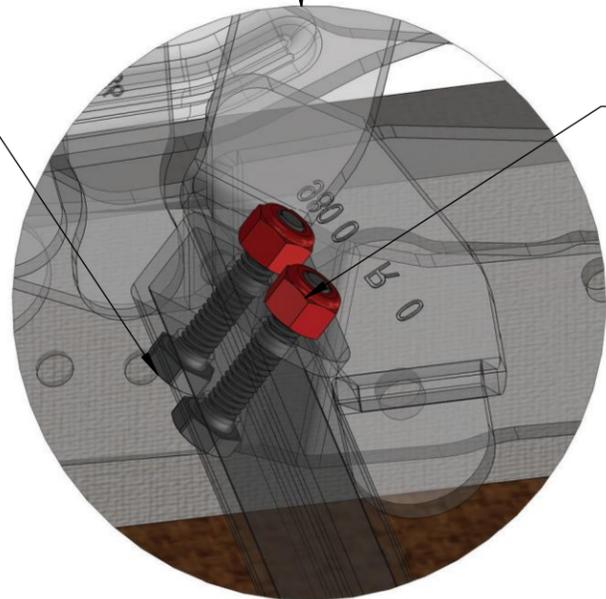


11. REMOVE MECHANISM BY REMOVING BOLTS IN 3 LOCATIONS OF EACH SIDE OF SEAT

12. REMOVE ROUND AND SQUARE CROSS TUBES BY REMOVING BOLTS IN 4 LOCATIONS OF EACH SIDE OF SEAT

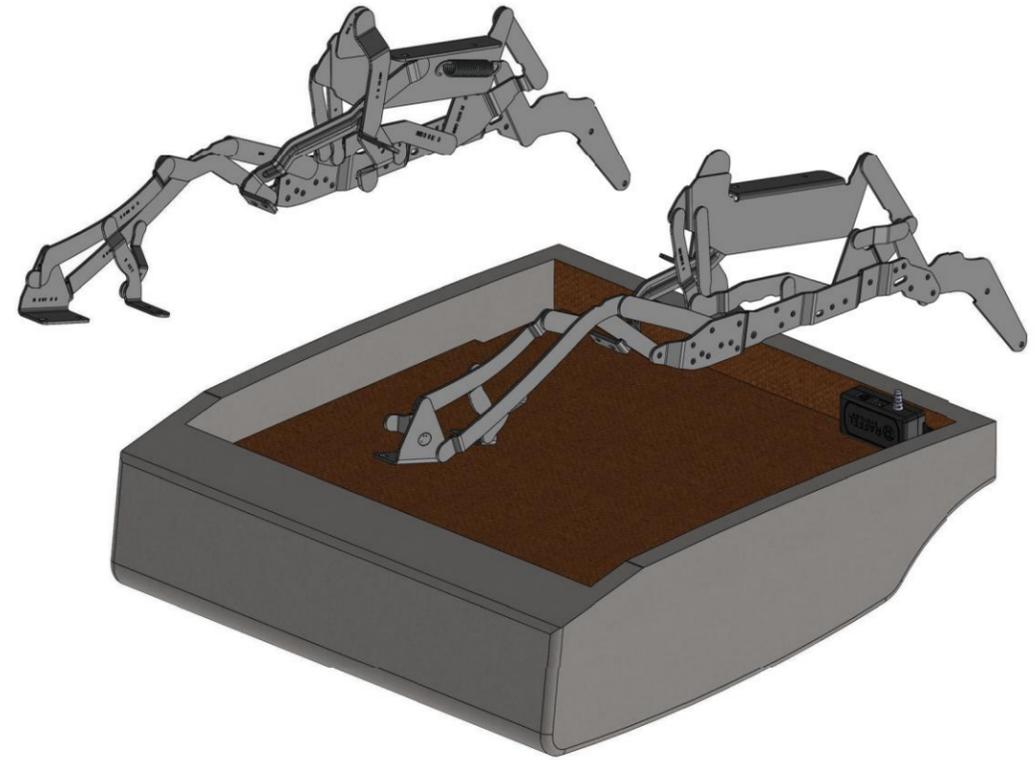


REMOVE BOLTS



REMOVE NUTS

13. REMOVE MECHANISM

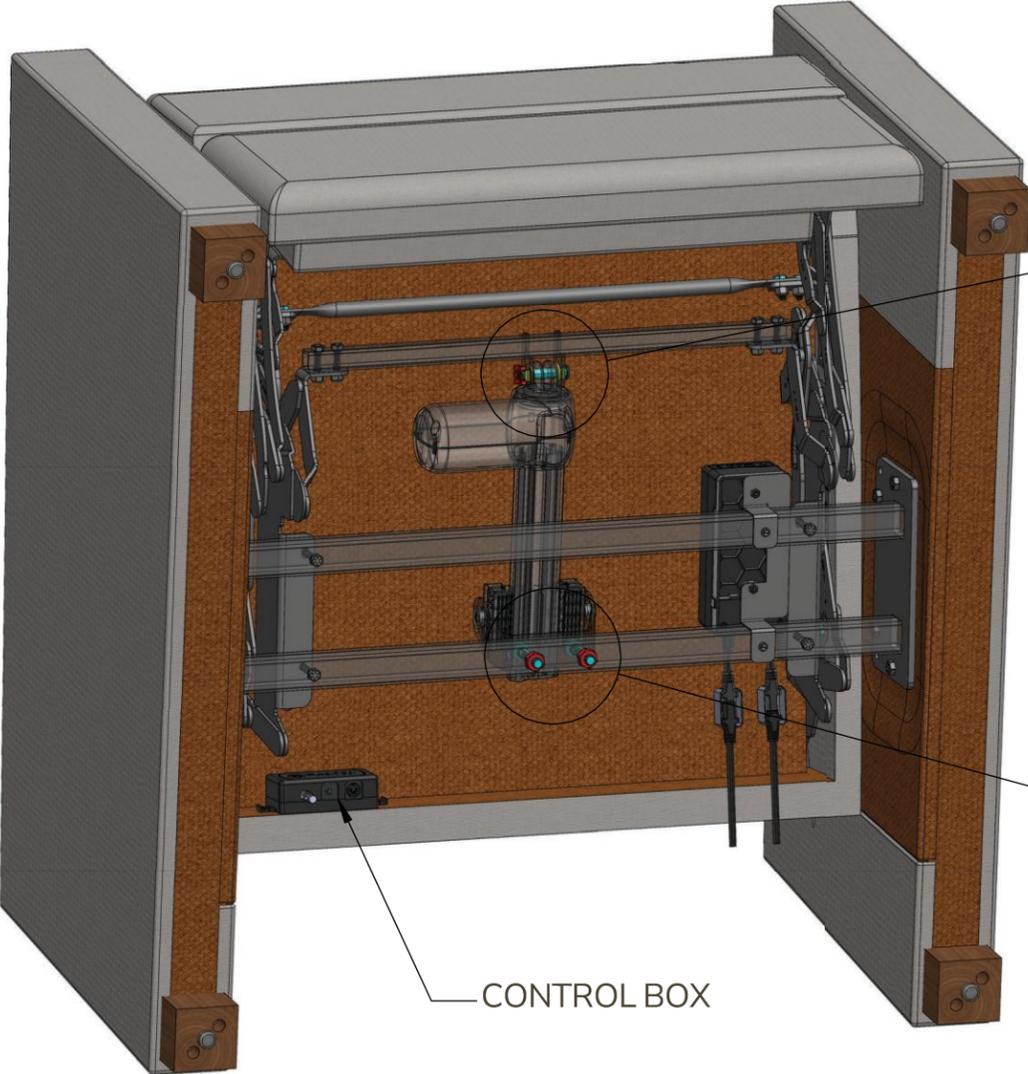


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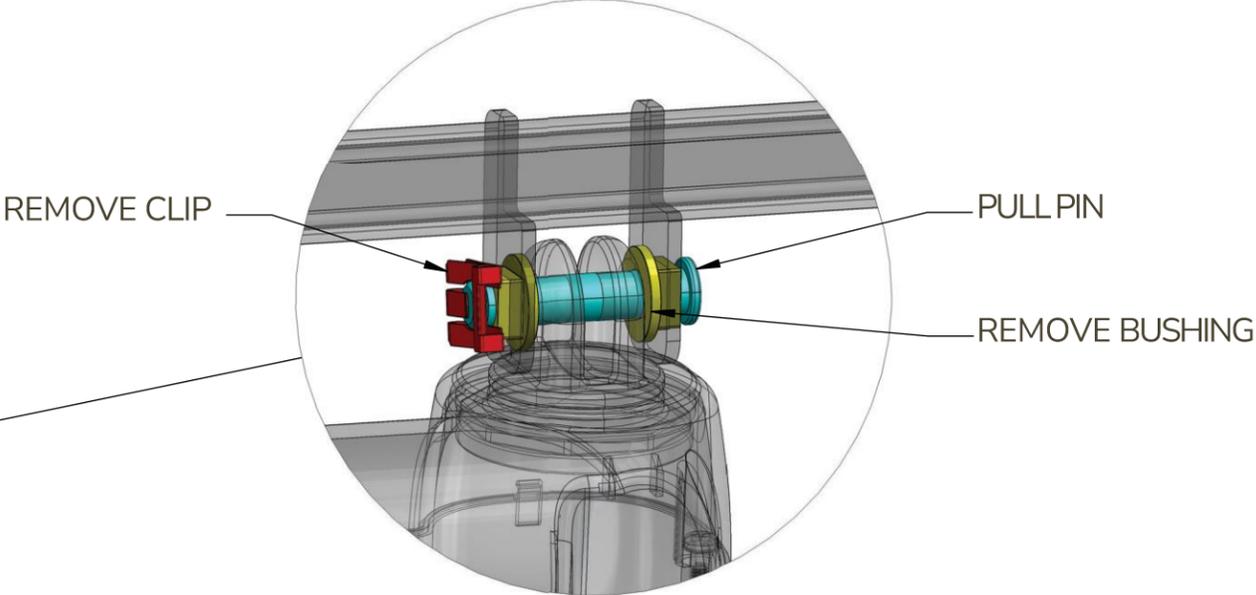
REPLACE SEAT MOTOR

FOLLOW STEPS BELOW IN ORDER:

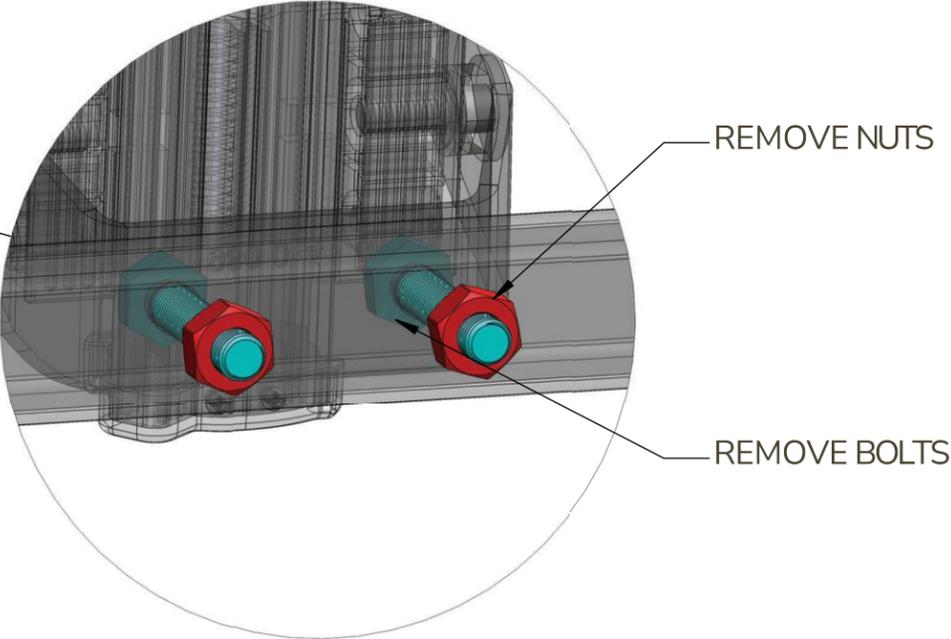
1. FLIP CHAIR ON BACK AND DISCONNECT MOTOR CABLE FROM CONTROL BOX



2. REMOVE CLIP AND PULL PIN OUT THEN REMOVE BUSHING



3. REMOVE BOLTS AND NUTS TO DETTACH MOTOR



REPLACE HEAD REST MOTOR:

FOLLOW STEPS BELOW IN ORDER:

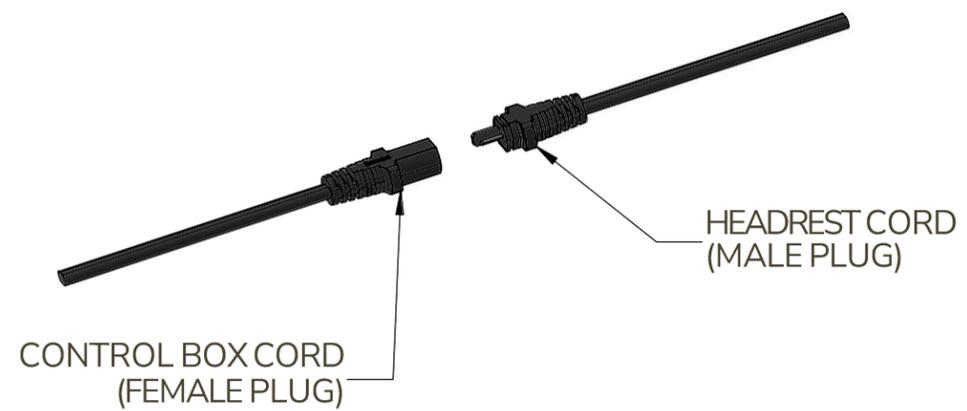
1. FULLY OPEN MECHANISM



2. PULL BACK REST UPWARD AS SHOWN BELOW

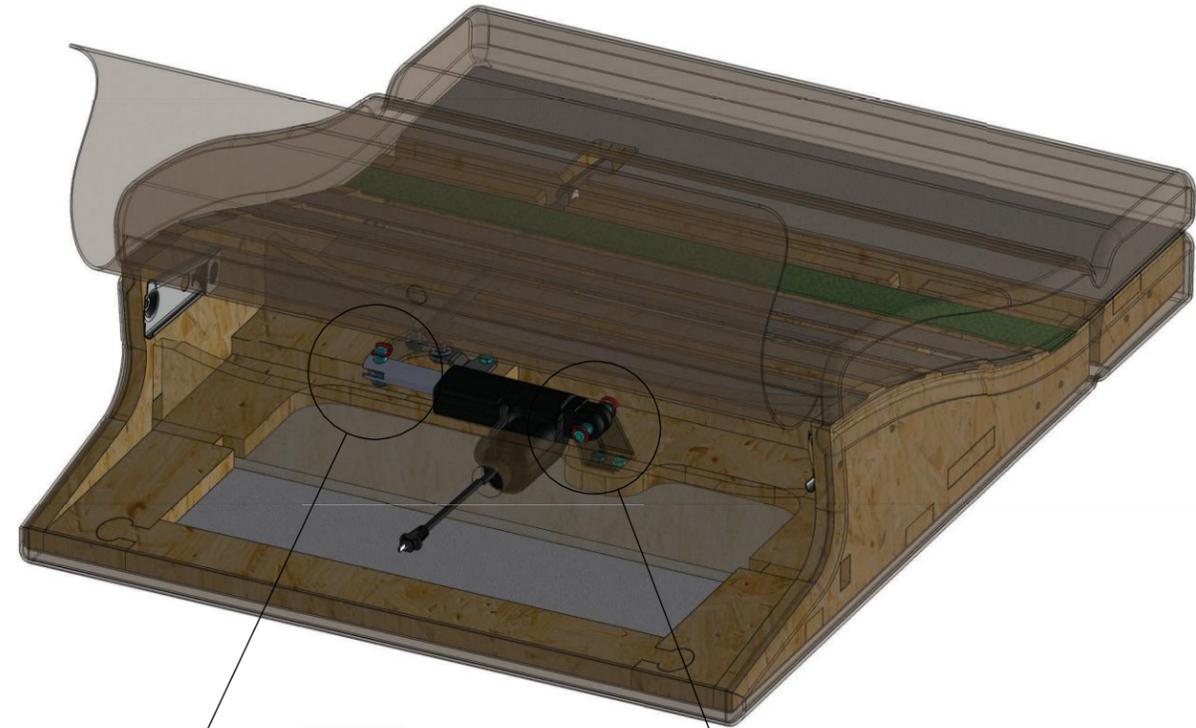
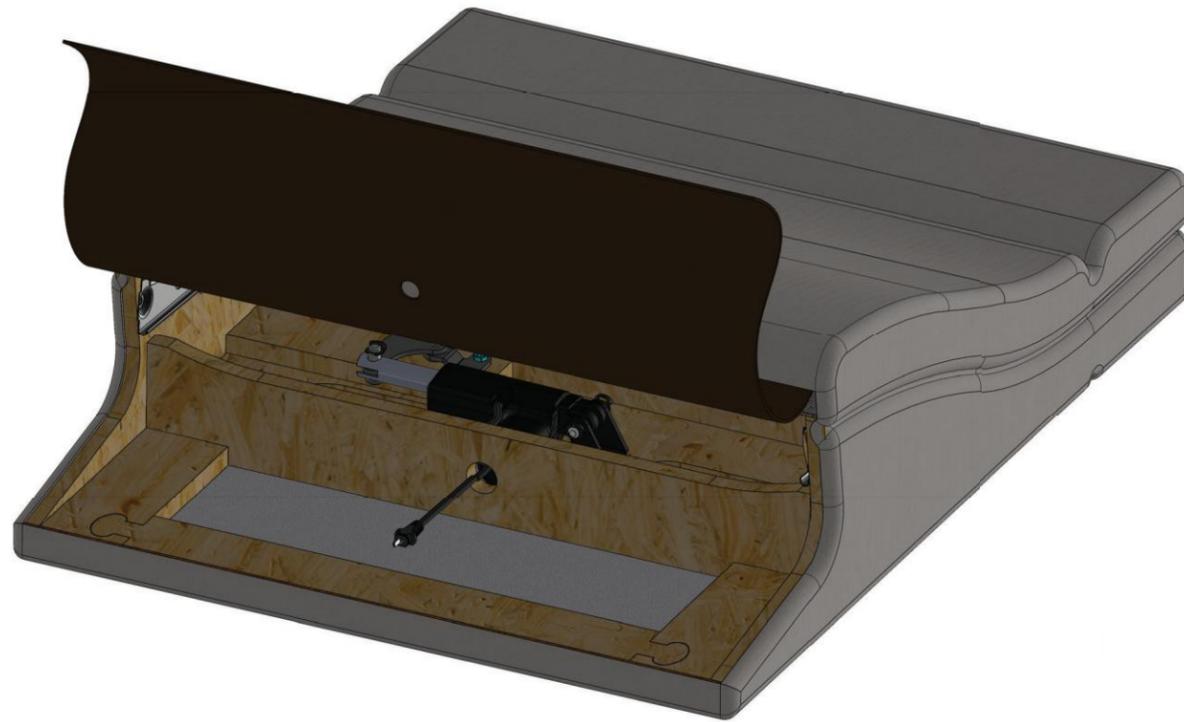


3. UNPLUG HEADREST CORD AND REMOVE THE BACK



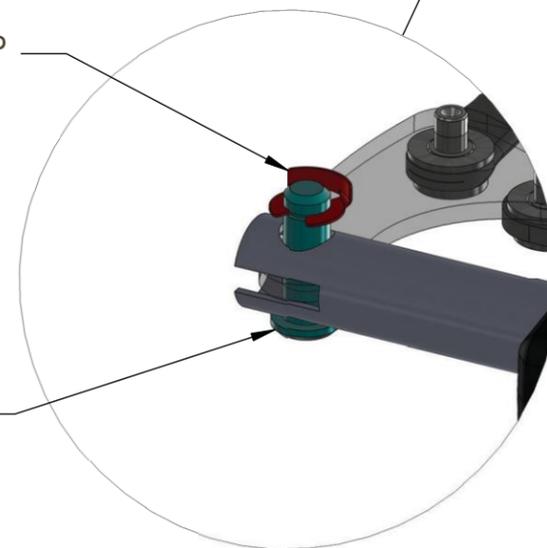
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4. REMOVE STAPLES AND OPEN FLAP TO GAIN ACCESS TO MOTOR



REMOVE CLIP

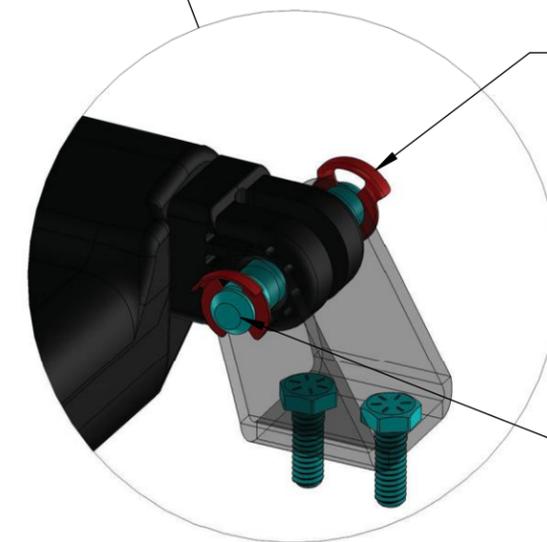
PULL PIN



5. REMOVE MOTOR STROKE CLIP THEN PULL ATTACHMENT PIN

REMOVE CLIP

PULL PIN



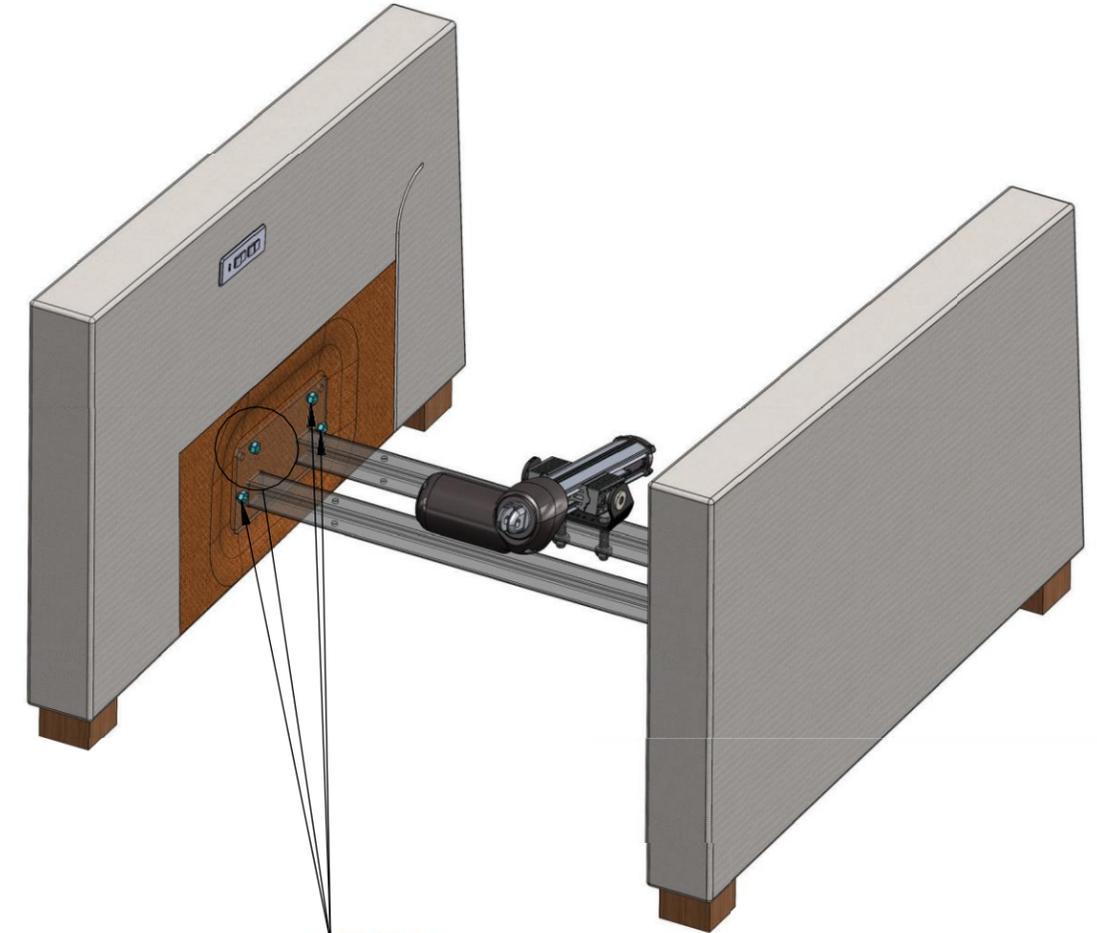
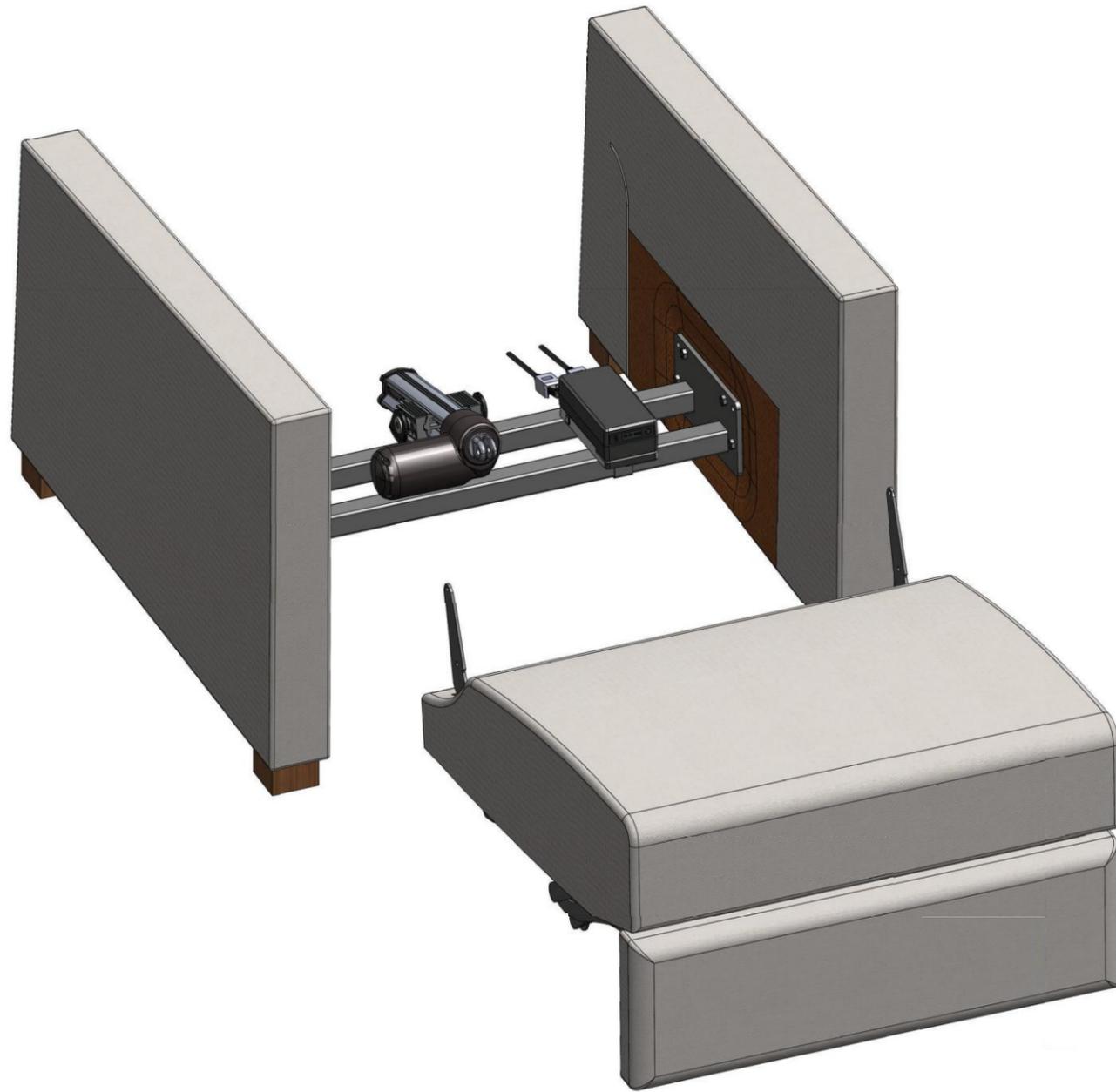
6. REMOVE MOTOR BODY CLIPS THEN PULL ATTACHMENT PIN



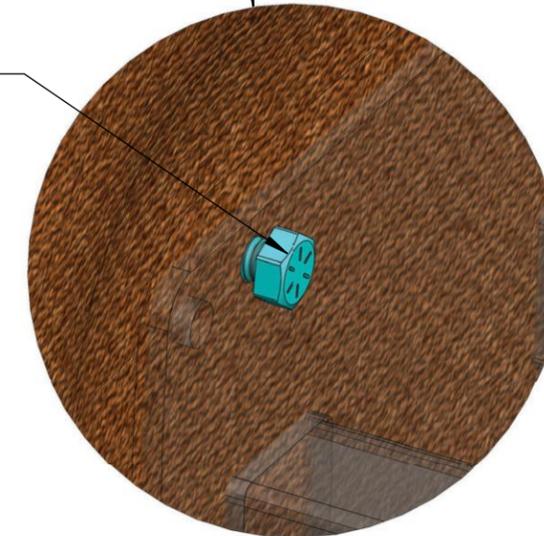
REMOVING ARMS:

REPEAT STEPS FROM PAGE #4, 5 ,AND 6 TO REMOVING THE SEAT

1. REMOVE SEAT



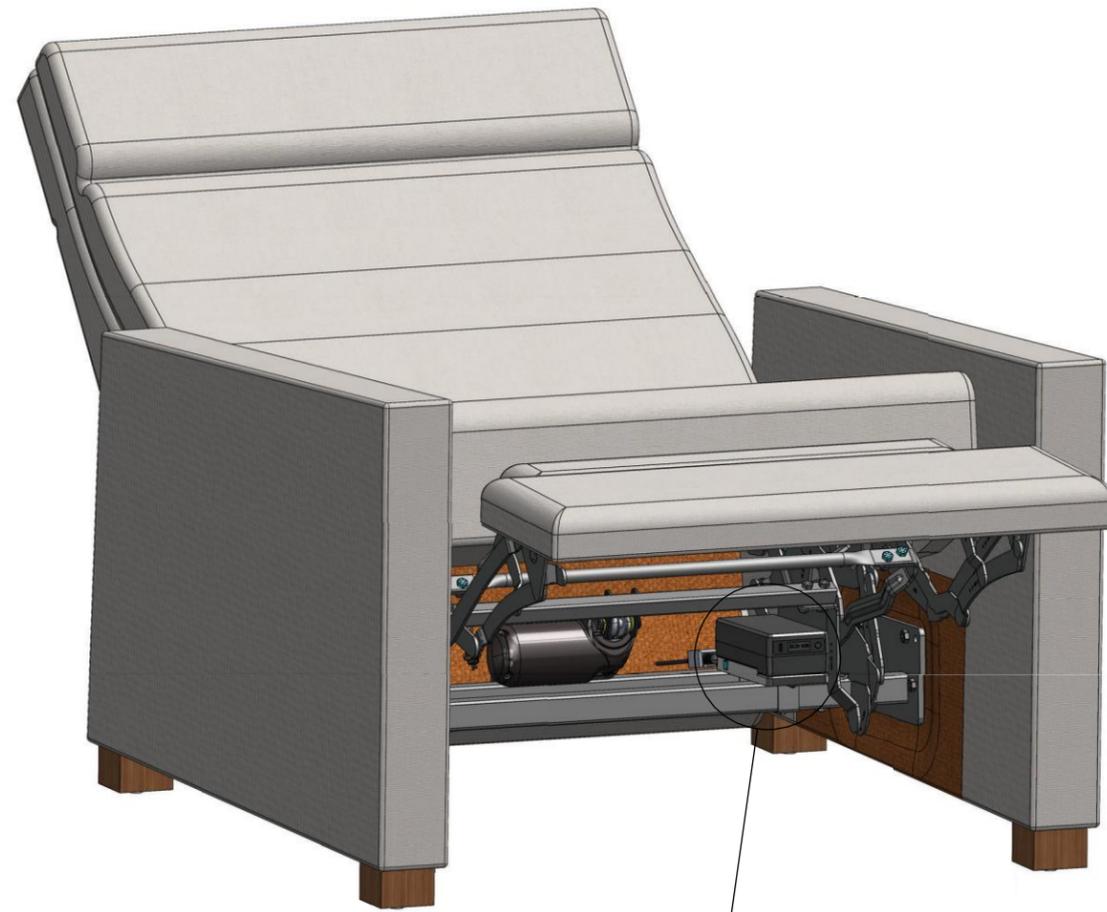
REMOVE BOLTS



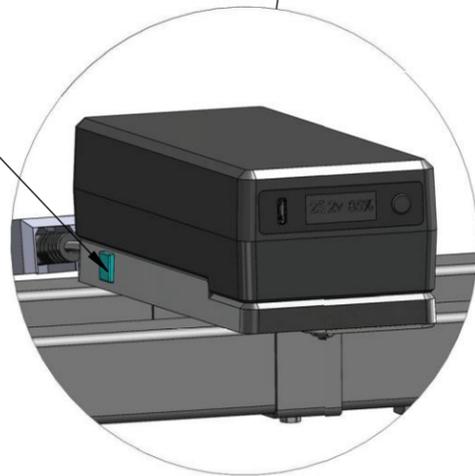
2. REMOVE ARMS BY REMOVING BOLTS IN
4 LOCATIONS OF EACH SIDE OF CHAIR

REMOVING BATTERY:

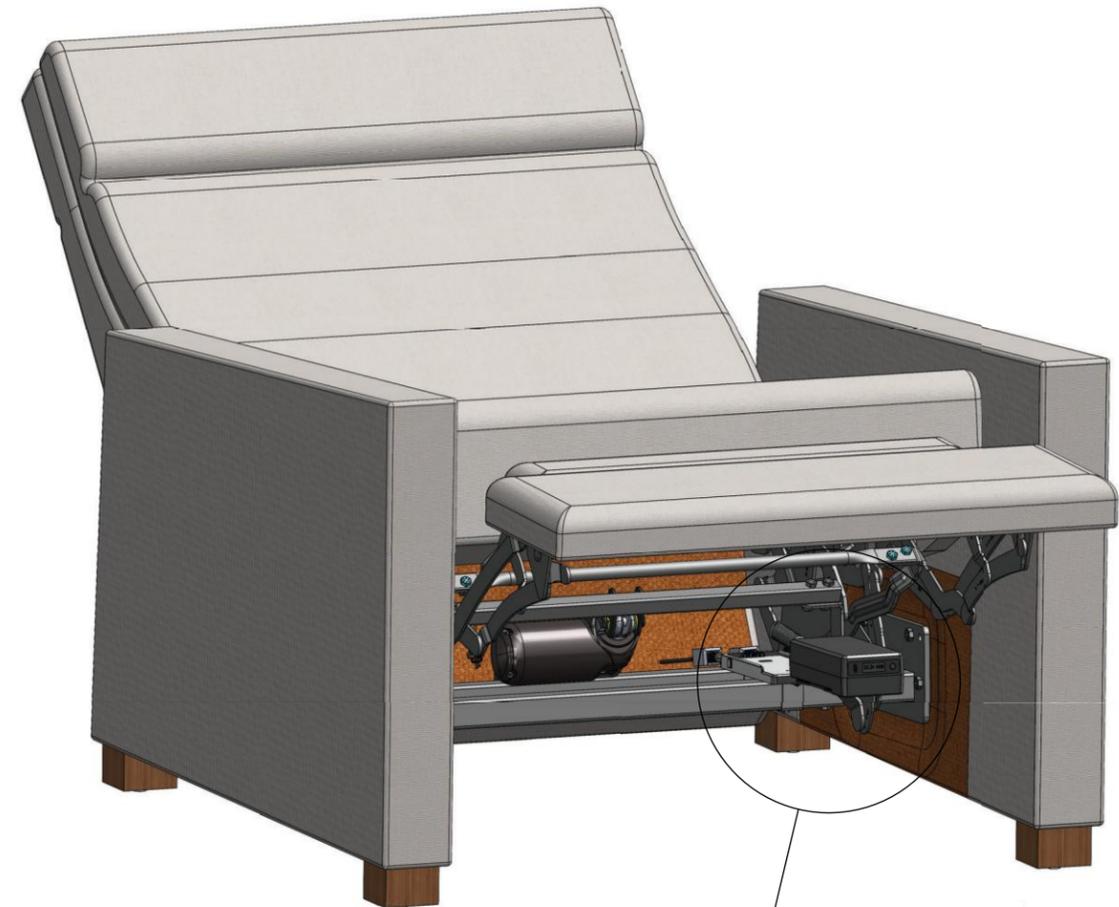
1. FULLY OPEN SEAT



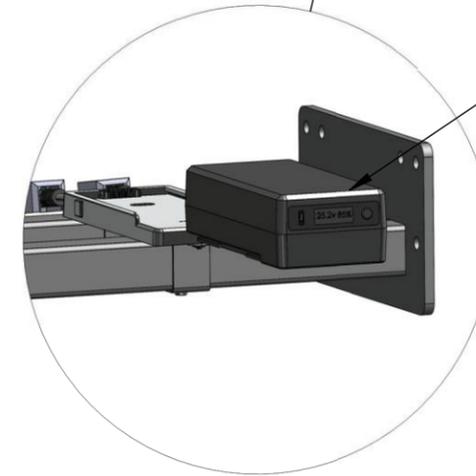
PRESS BUTTON



2. PRESS BUTTON TO RELEASE
BATTERY FROM TRAY



PULL BATTERY



3. PULL BATTERY FORWARD

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TROUBLE SHOOTING GUIDE

MOST COMMON ISSUES WITH MOST COMMON AND EFFECTIVE ANSWERS.

1. NOT WORKING:

- MAKE SURE POWER CORD IS PLUGGED INTO AN OUTLET.
- MAKE SURE POWER FROM OUTLET IS PLUGGED INTO POWER PIGTAIL ON THE REAR OF PIECE. SEE FIG 1.
- MAKE SURE BATTERY IS CHARGED (IF EQUIPPED). LOOKING AT BACK, RIGHT HAND SIDE OF BATTERY, CHECK COLOR OF LIGHT. SEE FIG 3.

2. POWER PIGTAIL LOCATION:

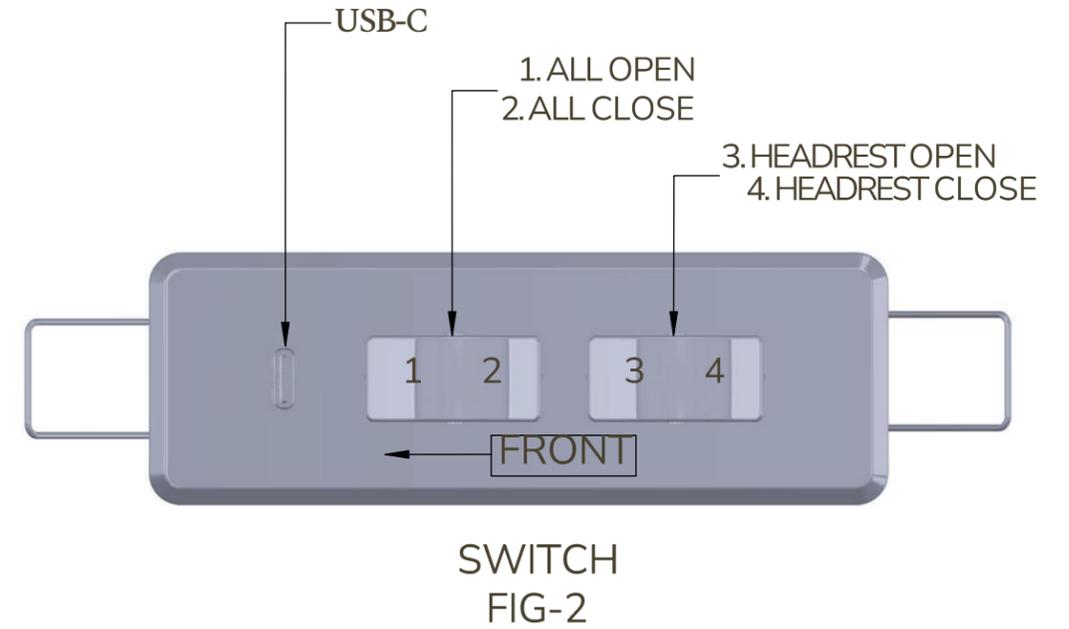
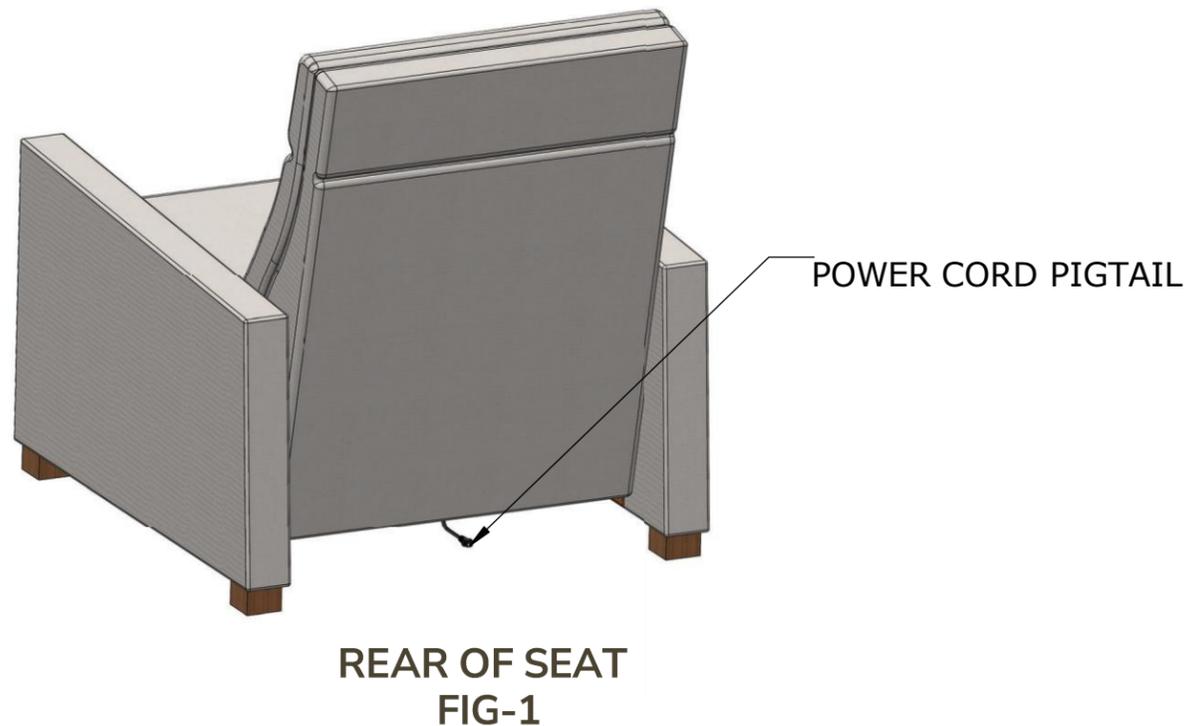
- IT IS LOCATED UNDERNEATH BACK, CENTERED. SEE FIG 1.
- IF YOU ARE CERTAIN POWER PIGTAIL IS MISSING OR BROKEN, REQUEST SERVICE.

3. SWITCH NOT WORKING: NO LIGHT OR NOT OPERATING PIECE OF FURNITURE

- MAKE SURE POWER CORD IS PLUGGED INTO AN OUTLET.
- MAKE SURE BATTERY IS FULLY CHARGED (IF EQUIPPED) SEE FIG 3.
- PULL SWITCH OUT OF ARM AND CHECK TO MAKE SURE SWITCH CORD IS PLUGGED INTO SWITCH, SEE SHEET 3.
- SEE FIG 3 FOR SWITCH FUNCTIONALITY.
- IF SWITCH IS STILL NOT WORKING, REQUEST SERVICE.

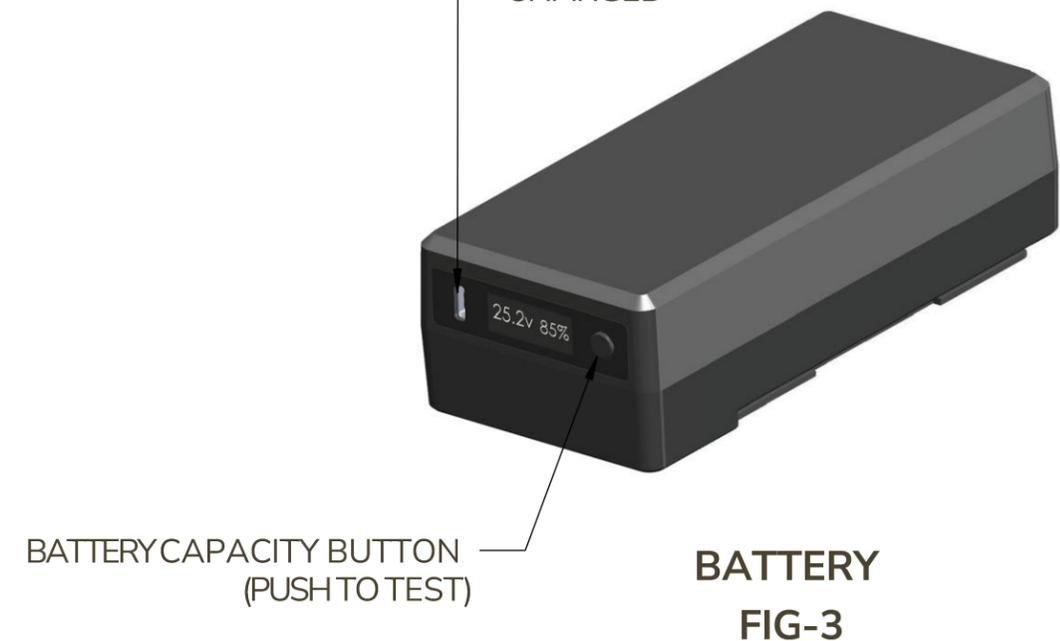
4. CLICKING NOISE COMING FROM CHAIR OR WHILE USING SWITCH:

- CHECK UNDER AND AROUND CHAIR TO MAKE SURE THERE ARE NO OBSTRUCTIONS KEEPING PIECE OF FURNITURE FROM BEING ABLE TO OPEN OR CLOSE FULLY.
- IF CLICKING NOISE CONTINUES, REQUEST SERVICE.

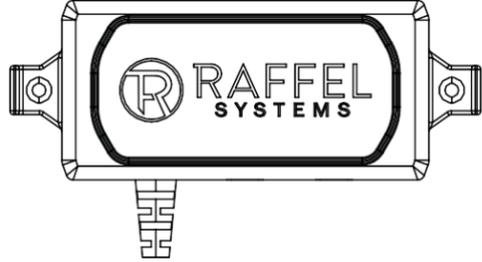
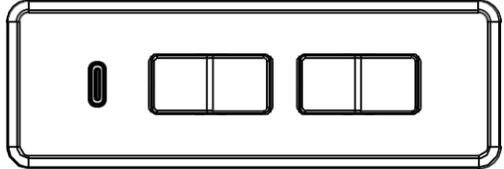
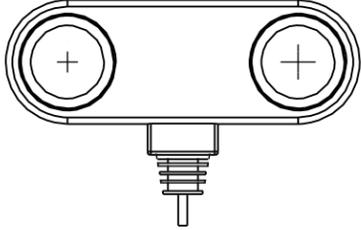
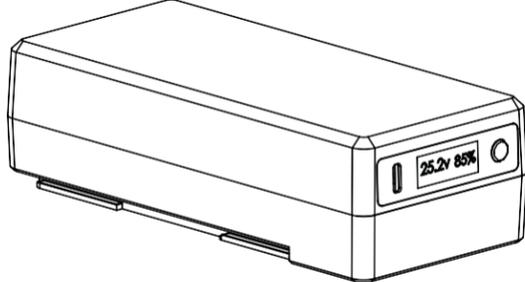
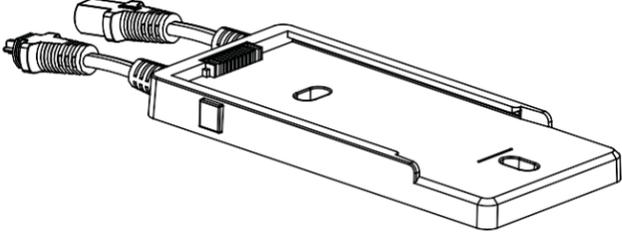


BATTERY CAPACITY LED INDICATORS:

- 4 LED ON = 100% CAPACITY
- 3 LED ON = 75% CAPACITY
- 2 LED ON = 50% CAPACITY
- 1 LED ON = 25% CAPACITY
- *ALARM WILL SOUND WHEN BATTERY NEEDS TO BE CHARGED

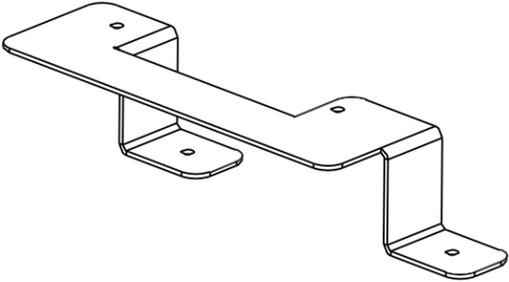
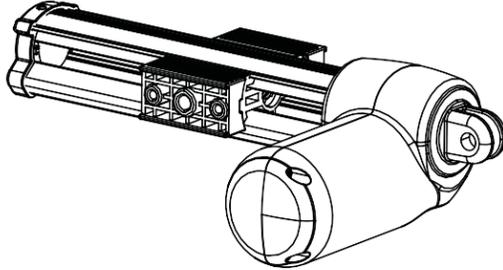
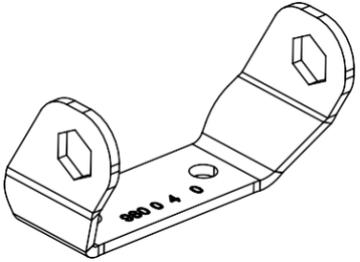
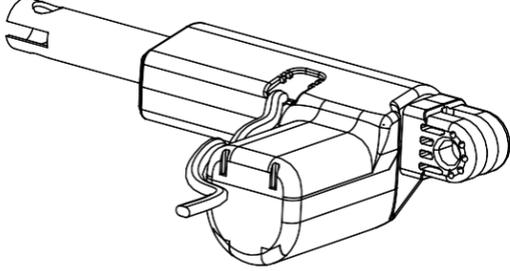
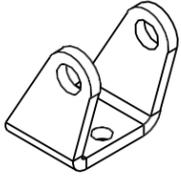


LIST OF PARTS:

| ITEM | VIEW OF THE PART | PART NUMBER | DESCRIPTION | QTY PER CHAIR | QTY PER LOVE SEAT | QTY PER SOFA |
|------|---|-------------|-----------------------------------|---------------|-------------------|--------------|
| 1 |  | 198098 | CONTROL BOX-RAFFEL-RIR (V2) | 1 | 2 | 3 |
| 2 |  | 198099 | SWITCH-2 TOGGLE-RAFFEL-RIR | 1 | 2 | 2 |
| 3 |  | 188218 | SWITCH-BLACK-AA-A-SERIES M-SERIES | 0 | 0 | 2 |
| 4 |  | 187089 | BATTERY-4000 MAH-MC169 | 1 | 2 | 3 |
| 5 |  | 187090 | CHARGING-BASE-MC174 | 1 | 2 | 3 |

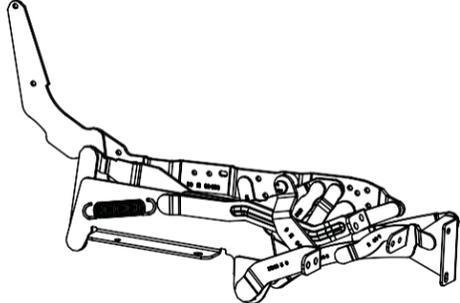
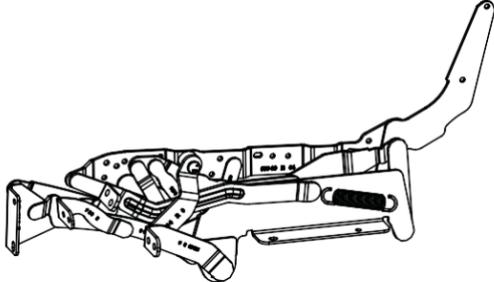
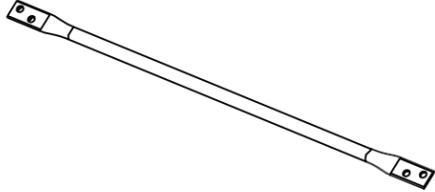
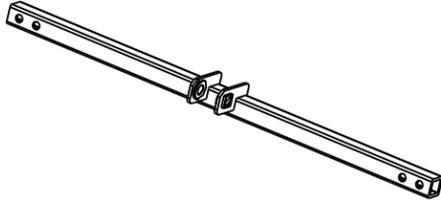
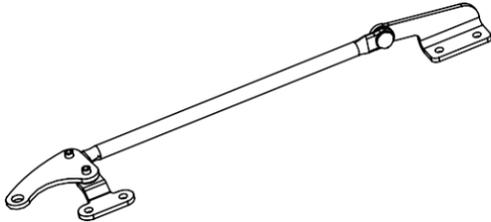


LIST OF PARTS:

| ITEM | VIEW OF THE PART | PART NUMBER | DESCRIPTION | QTY PER CHAIR | QTY PER LOVE SEAT | QTY PER SOFA |
|------|---|-------------|--|---------------|-------------------|--------------|
| 6 |  | 197963 | COMFORT ECHO SOFA-BATTERY BRACKET | 1 | 2 | 3 |
| 7 |  | 155980 | ACTUATOR-MOTION ITALIA | 1 | 2 | 3 |
| 8 |  | 155978 | MECH-MOTION ITALIA-MOTOR LINKING BRACKET KIT | 1 | 2 | 3 |
| 9 |  | 186356 | MOTOR-HEADREST-LIMOSS-A SERIES M-SERIES | 1 | 2 | 3 |
| 10 |  | 176683 | BRACKET-U-MOUNT-A SERIES M-SERIES | 1 | 2 | 3 |

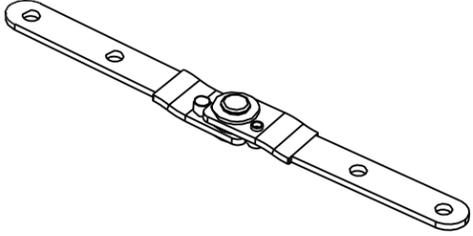
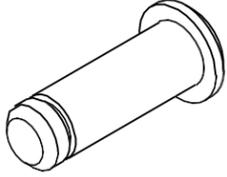
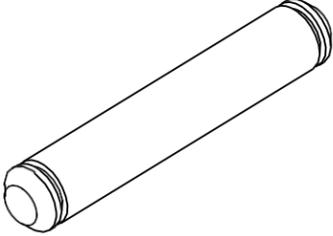
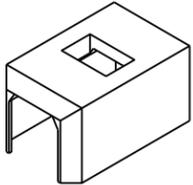


LIST OF PARTS:

| ITEM | VIEW OF THE PART | PART NUMBER | DESCRIPTION | QTY PER CHAIR | QTY PER LOVE SEAT | QTY PER SOFA |
|------|---|-------------|--|---------------|-------------------|--------------|
| 11 |  | 197958 | MECH-MOTION ITALIA-MOTORIZED-W.OUT FLIPPER-LEFT HINGE-MOCO09306 | 1 | 2 | 3 |
| 12 |  | 197959 | MECH-MOTION ITALIA-MOTORIZED-W.OUT FLIPPER-RIGHT HINGE-MOCO09307 | 1 | 2 | 3 |
| 13 |  | 197961 | BAR-ROUND-MOTION-ITALIA- SOFA-MOCO2358-565 | 1 | 2 | 3 |
| 14 |  | 197962 | BAR-SQUARE-MOTION-ITALIA-SOFA-MOCO07862-495 | 1 | 2 | 3 |
| 15 |  | 197960 | MECH-HEADREST LINKAGE | 1 | 2 | 3 |

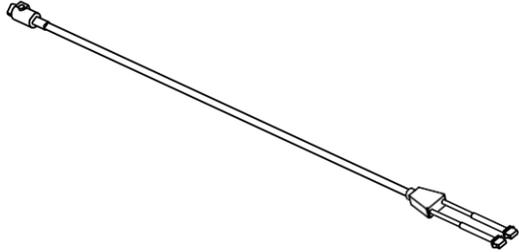
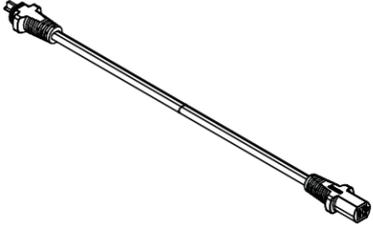
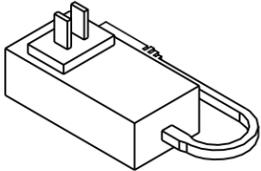
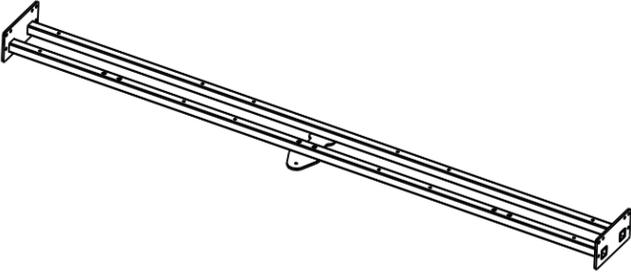
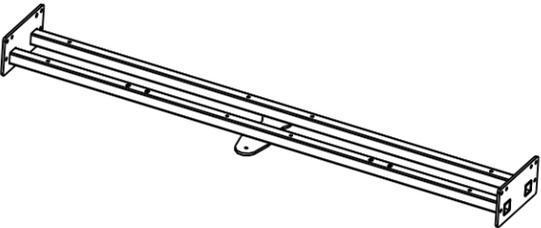


LIST OF PARTS:

| ITEM | VIEW OF THE PART | PART NUMBER | DESCRIPTION | QTY PER CHAIR | QTY PER LOVE SEAT | QTY PER SOFA |
|------|---|-------------|--|---------------|-------------------|--------------|
| 16 |  | 197964 | MECH-HEADREST-HINGE-2 TO UNLIMITED DEGREES | 2 | 4 | 6 |
| 17 |  | 198220 | PIN-RETAINING RING GROOVE-10mm DIA x 25 mm L | 1 | 2 | 3 |
| 18 |  | 176685 | PIN-U MOUNT-10MM-A SERIES M-SERIES | 1 | 2 | 3 |
| 19 |  | 176686 | RETAINING CLIP KLM-10MM-A SERIES M-SERIES | 3 | 6 | 9 |
| 20 |  | 161353 | CABLE-CLIP-400041 | 3 | 6 | 9 |

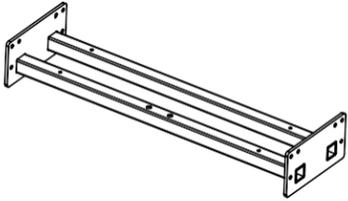
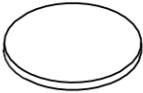
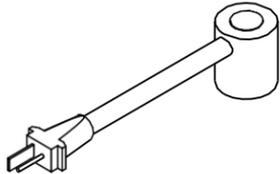


LIST OF PARTS:

| ITEM | VIEW OF THE PART | PART NUMBER | DESCRIPTION | QTY PER CHAIR | QTY PER LOVE SEAT | QTY PER SOFA |
|------|---|-------------|------------------------------------|---------------|-------------------|--------------|
| 21 |  | 186743 | CABLE-Y-ARMLESS-503061-A-SERIES | 0 | 0 | 1 |
| 22 |  | 161800 | CABLE-EXTENSION POWER CORD-330MM | 1 | 2 | 3 |
| 23 |  | 186355 | POWER-SUPPLY-LIMOSS-2.0A-UNIVERSAL | 1 | 2 | 3 |
| 24 |  | 197957 | CHASSIS-COMFORT ECHO-SOFA | 0 | 0 | 1 |
| 25 |  | 197956 | CHASSIS-COMFORT ECHO-LOVE SEAT | 0 | 1 | 0 |

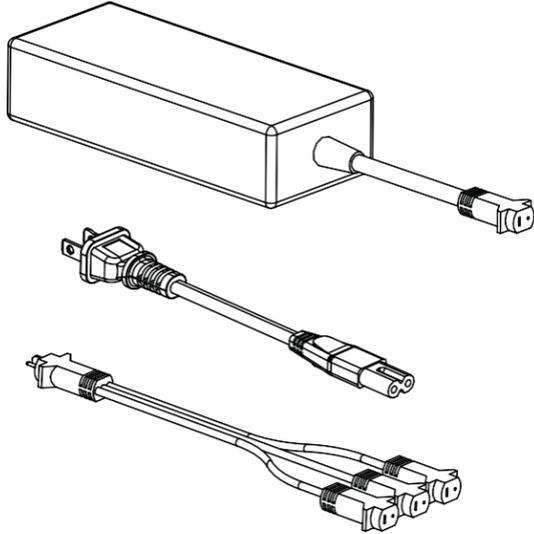
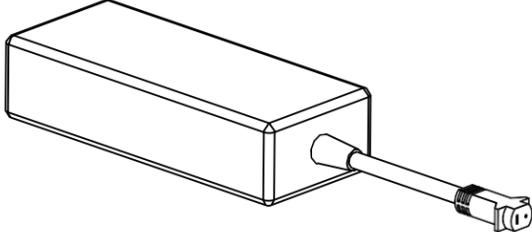
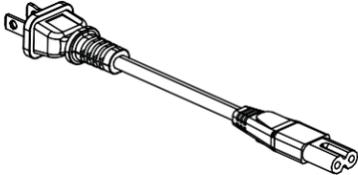
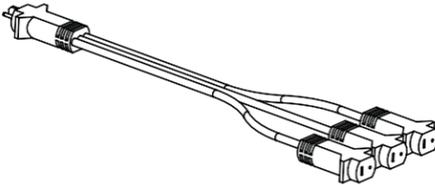
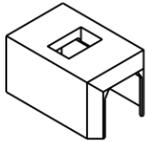


LIST OF PARTS:

| ITEM | VIEW OF THE PART | PART NUMBER | DESCRIPTION | QTY PER CHAIR | QTY PER LOVE SEAT | QTY PER SOFA |
|------|---|-------------|---|---------------|-------------------|--------------|
| 26 |  | 198379 | CHASSIS-COMFORT ECHO-CHAIR | 1 | 0 | 0 |
| 27 |  | 197987 | LEGS-CLEAR-ACRYLIC-4.5 | 0 | 1 | 1 |
| 28 |  | 168418 | FELT - 1-1/2" OD x 1/8" THK ADHESIVE BEIGE | 0 | 1 | 1 |
| 29 |  | 97393 | BRACKET-KD/CLIP V2 | 2 | 4 | 6 |
| 30 |  | 186657 | CABLE-CB TO HR-MOTOR-M-SERIES | 1 | 2 | 3 |

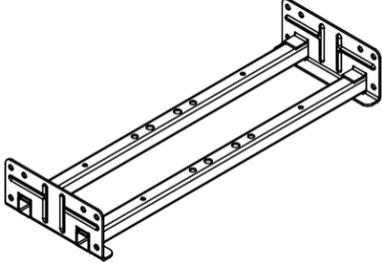
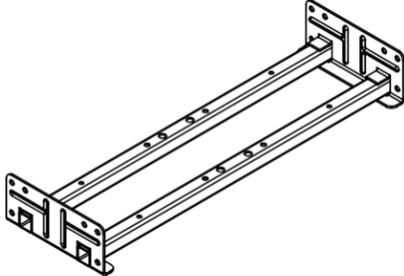
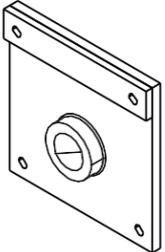
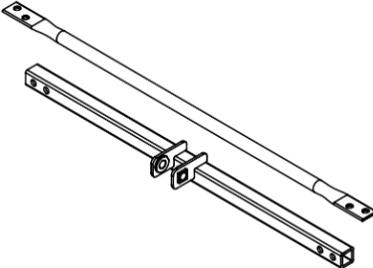
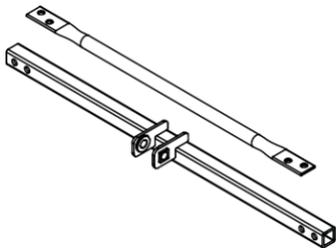


LIST OF PARTS:

| ITEM | VIEW OF THE PART | SUB ASSEMBLY PARTS | PART NUMBER | DESCRIPTION | QTY PER SOFA |
|------|---|---|-------------|--|--------------|
| 31 |  | | 188367 | KIT-M-SERIES-POWER DISTRIBUTOR (602629) (OPTIONAL) | 1 |
| 32 | |  | 187596 | POWER SUPPLY-PWR 3 SEAT-6A-DISTRIBUTOR-M-SERIES | 1 |
| 33 | |  | 187598 | CABLE-AC-WALL PLUG-DISTRIBUTOR-M-SERIES | 1 |
| 34 | |  | 187597 | CABLE-DAISY-3 SPLIT-DISTRIBUTOR-M-SERIES | 1 |
| 35 |  | | 161353 | CABLE CLIP (REQUIRED WITH ABOVE KIT) | 1 |

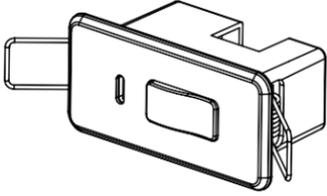


LIST OF PARTS:

| ITEM | VIEW OF THE PART | PART NUMBER | DESCRIPTION | QTY PER CHAIR | QTY PER LOVE SEAT | QTY PER SOFA |
|------|---|-------------|---------------------------------|---------------|-------------------|--------------|
| 36 |  | 154122 | CHASSIS-MOTION ITALIA-21.5 | 1 | | |
| 37 |  | 156535 | CHASSIS-MOTION ITALIA-23.25 | 1 | | |
| 38 |  | 165761 | LEGS-BASE-SIMON-TOP-PLATE-BLK | 1 | | |
| 39 |  | 155979 | MECH-MOTION ITALIA-BAR SET | 1 | | |
| 40 |  | 179357 | MECH-MOTION ITALIA-BAR SET-WIDE | 1 | | |

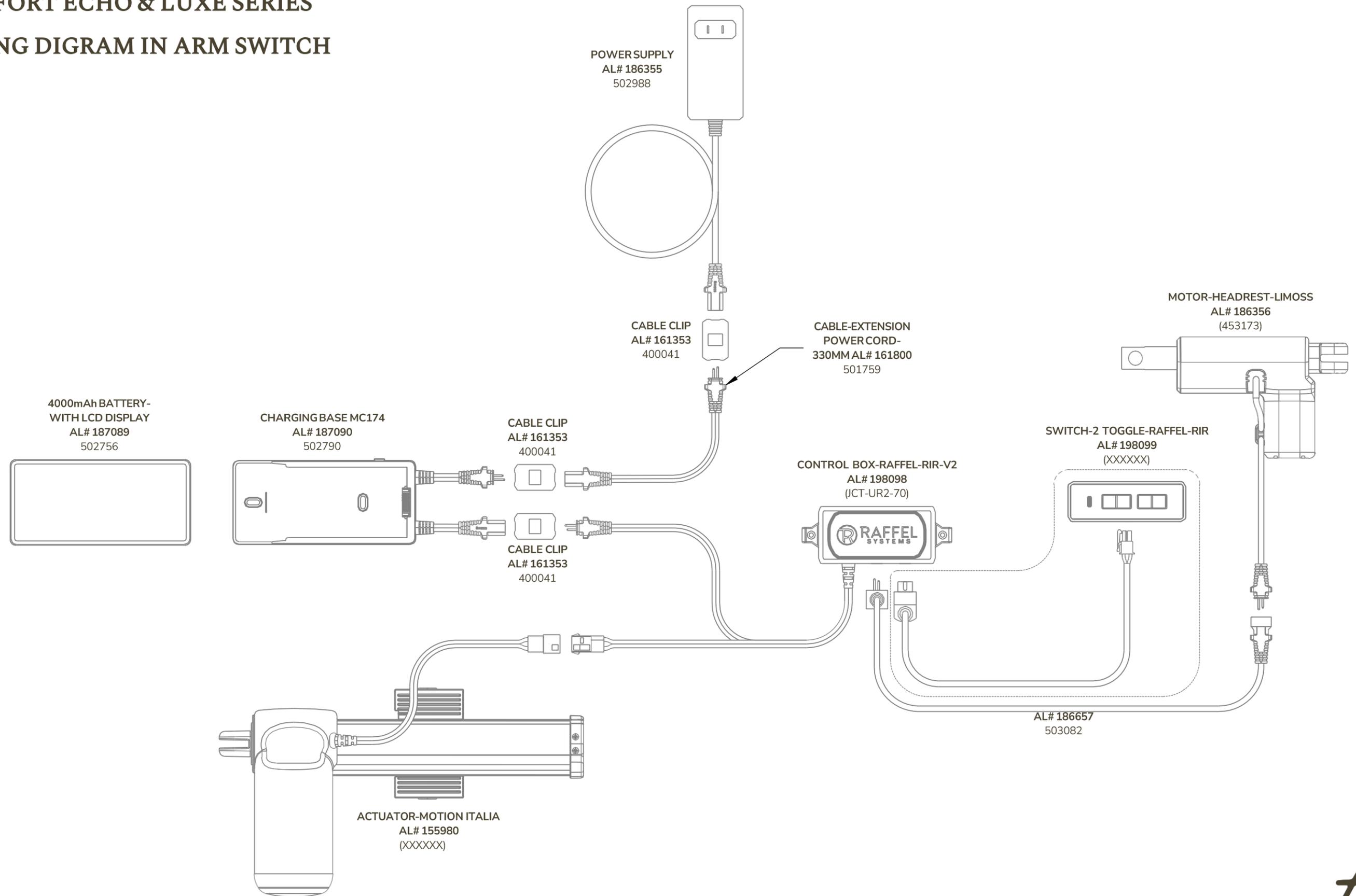


LIST OF PARTS:

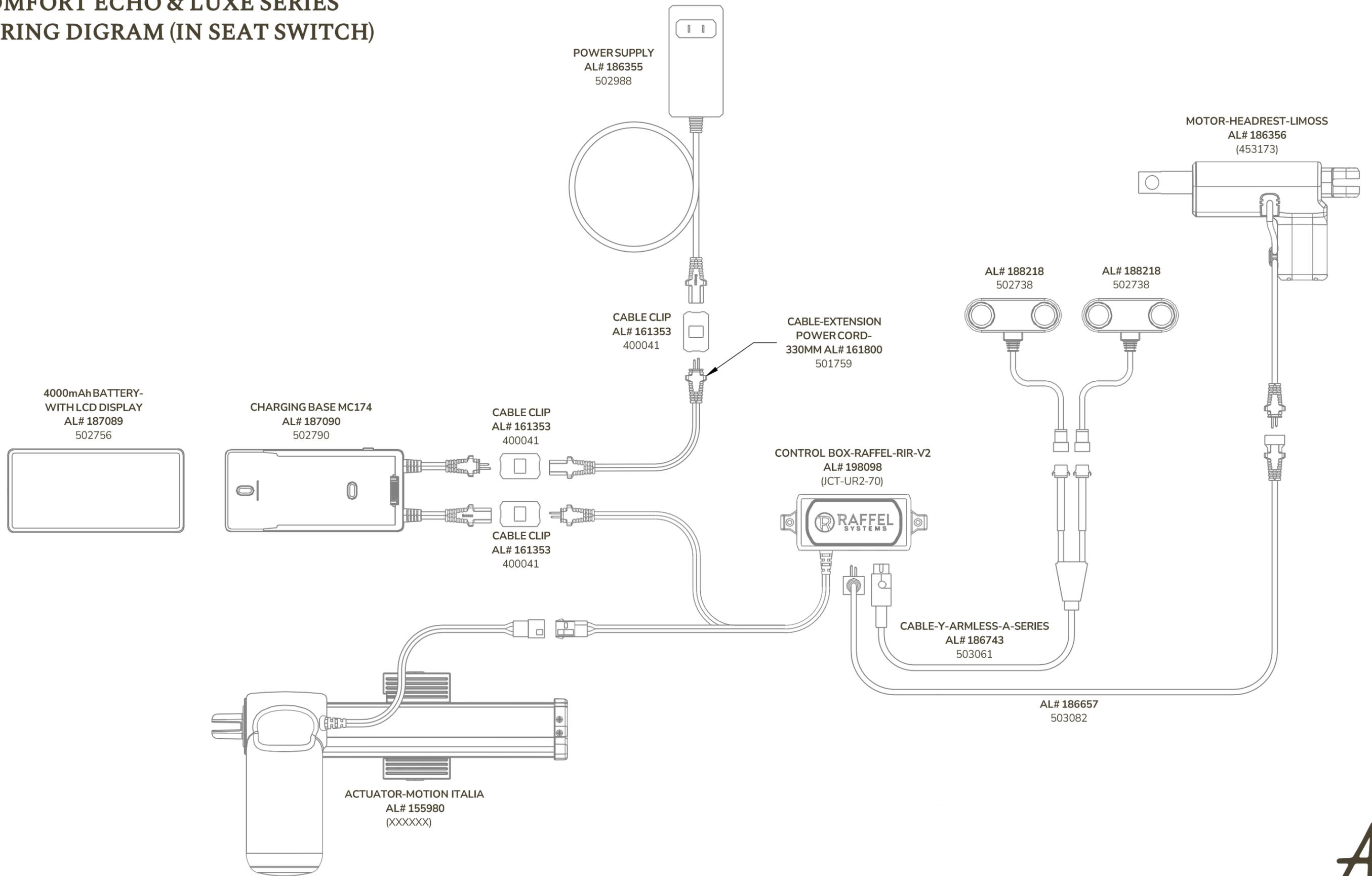
| ITEM | VIEW OF THE PART | PART NUMBER | DESCRIPTION | QTY PER CHAIR | QTY PER LOVE SEAT | QTY PER SOFA |
|------|---|-------------|--------------------------------------|---------------|-------------------|--------------|
| 41 |  | 197486 | SWITCH-1 TOGGLE-SIM W/CABLE USB-C | 1 | | |



COMFORT ECHO & LUXE SERIES WIRING DIGRAM IN ARM SWITCH



COMFORT ECHO & LUXE SERIES WIRING DIGRAM (IN SEAT SWITCH)



REINVENTED RECLINER

WIRING DIGRAM (IN ARM & SEAT SWITCH)

