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# Sedeo Pro, Lite + Ergo

## Seating manual

Service Instructions

If you have any queries about the use, maintenance or safety of your seating system, please contact your local approved Sunrise Medical service agent. If you do not know of an approved dealer in your area or have any other questions please write or telephone your local Sunrise Medical office (Contact information can be found on the back page of this document or on the website).

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## 1.0 Introduction

### 1.1 This user manual

This manual contains the instructions for repairs and general maintenance of the Sedeo seating system (Sedeo Lite/Pro/Ergo). Mechanics who do repairs on this seating system must be well trained and familiar with the repair methods and the maintenance of the seating system.

Always make sure that the work is carried out safely, particularly with respect to procedures requiring the seating system to be lifted up.

We advise that you contact our service department before doing repair work on a seating system that has been involved in an accident.

The following specifications are important when ordering parts:

- Model
- Year of manufacture
- Identification number
- Part number
- Name of the part concerned

This information is provided on the identification plate. See 'Identification of the product'.

If you have any queries about the use, maintenance or safety of your seating system, please contact your local approved Sunrise Medical service agent. If you do not know of an approved dealer in your area or have any other questions please write or telephone:

#### Available documentation

The following technical documentation is available / required to service this seating system:

- User manual
- Service manual

#### Service and technical support

For information concerning specific settings, maintenance or repair works please contact your supplier. They are always prepared to help you.

Ensure you have at hand:

- Model
- Year of manufacture
- Identification number

This information is provided on the identification plate. See 'Identification of the product'.



## 1.2 Identification of the product

The identification plate contains the following data:

**SN Barcode**  
Example: 2081701001

**Model Type**  
Q100R or Q200R

**Date of Manufacture**  
2017-10-02

**Serial Number Example**  
S/N: 208170101001

**Chassis Number - Match Chassis I.D. Plate**  
For Q100R - 1R00001, 1R00002, etc  
For Q200R - 2R00001, 2R00002, etc

**4 x R2**

**Max User Weight**  
Q100R = 125KG  
Q200R = 136KG

**Max Total Weight**  
Q100R = 220KG  
Q200R = 240KG

**Max Speed**  
Q100R = 6KM/H  
Q200R - 22600200 = 10KM/H  
Q200R - 22600250 = 6KM/H

**Max Slope**  
Q100R = 8°  
Q200R = 10°

**Max Axle Load**  
Q100R = 160/105KG  
Q200R = 170/115KG

COMPLIES WITH ISO 7176-19:2008

### Serial Number Example

208	17	01	01	001
S.M Spain Code	Year	Month	Day	Product on Day

## 1.3 Symbols used in this manual



**Warning symbol**

Follow the instructions next to this symbol closely. Not paying careful attention to these instructions could result in physical injury or damage to the seating system or the environment.



**Reference symbol**

The symbol refers to a separate user manual. This reference will indicate the specific user manual and the section to which is being referred.

## 2.0 Safety

### 2.1 Personnel qualification

Service technicians:

- Repairs may only be carried out by trained and authorised service technicians.
- During the execution of their work, they are at all times fully responsible for the fulfilment of locally applicable safety guidelines and standards.
- Temporary employees and persons in training may only carry out repair and replacement work under the supervision of an authorised service technician.

### 2.2 Cautions and warning statements



#### Safety

Safety information is indicated with the warning symbol.

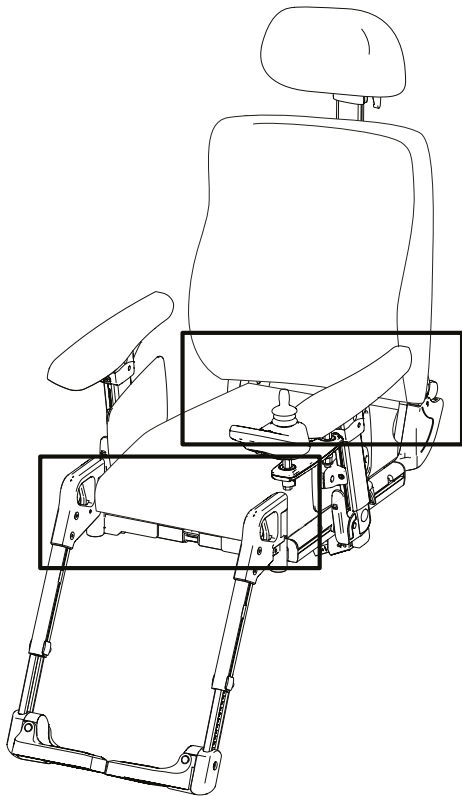
Follow the instructions carefully next to these warning symbols! Not paying careful attention to these instructions could result in physical injury or damage to the seating system or the environment. Where ever possible, safety information is provided in the relevant chapter.



#### Temperature

- Avoid physical contact with the seating system's motors at all times. Motors are continuously in motion during use and can reach high temperatures. After use, the motors will cool down slowly. Physical contact could cause burns.

If you do not use the seating system, ensure that it is not exposed to direct sunlight for lengthy periods of time. Certain parts of the seating system, such as the seat, the back and the armrests can become hot if they have been exposed to full sunlight for too long. This may cause burns or allergic reactions to the skin.



#### Moving parts

- A seating system has moving and rotating parts. Contact with moving parts may result in serious physical injury or damage to the seating system. Contact with the moving parts of the seating system should be avoided.
- Electrical backrest adjustment
- Electrical elevating legrests

## Decals and instructions on the seating system

The signs, symbols and instructions affixed to the seating system comprise part of the safety facilities. They must never be covered or removed. They must remain present and clearly legible throughout the entire lifespan of the seating system.

Replace or repair all illegible or damaged signs, symbols and instructions immediately. Please contact your supplier for assistance.

### 2.3 Used decals on the seating system

The signs, symbols and instructions affixed to the seating system comprise part of the safety facilities. They must never be covered or removed. They must remain present and clearly legible throughout the entire lifespan of the seating system.

Replace or repair all illegible or damaged signs, symbols and instructions immediately. Please contact your supplier for assistance.



This decal indicates that there are moving parts and therefore potential trap hazards. When undertaking any service or maintenance the product must always be switched off beforehand and ideally the joystick disconnected.



This decal indicates that you should read the manual for undertaking any operation.

## 3.0 Tools, parts and components

### 3.1 Tools

The tools below are needed for various mechanical settings and maintenance:

Quantity	Description	Size
1	Screwdriver, flathead	-
1	Screwdriver, crosshead	-
1	Hammer (plastic)	-
2	Open ended spanner	24mm
3	Ring spanner	13mm, 15mm, 17mm
5	Hex Key	3/16", 3mm, 4mm, 5mm, 6mm
1	Punch	-
1	Pliers	-
1	Loctite® liquid super glue	-

Use only high-quality tools for the adjustment(s) described.

Make sure that the hexagon of the spanner is attached securely to the hexagon of the fastening article. This prevents the 'rotation' of hexagons of fastening articles and spanners that may affect proper adjustment.

## 4.0 Spare parts

For spare parts please refer to separate manuals.

**Please only use genuine spare parts supplied by Sunrise Medical, failure to do so may result in the invalidation of your warranty.**

### Service technicians:

Repairs may only be carried out by trained and authorised service technicians.

During the execution of their work they are at all times fully responsible for the fulfilment of locally applicable safety guidelines and standards.

Temporary employees and persons in training may only carry out repair and replacement work under the supervision of an authorised service technician.

## 5.0 Maintenance & cleaning

The wheelchair's lifespan is dependent on it being well maintained.

For information concerning specific settings, maintenance or repair work, please contact your authorized Sunrise dealer. Always be sure to mention the model, year of manufacture and identification number provided on the identification plate of the wheelchair when contacting your dealer.



### CAUTION!

The wheelchair should be serviced by your authorized Sunrise dealer once a year or, in the case of intensive use, every six months. For a list of approved authorised dealers in your area please contact Sunrise Medical Service Centre.

The contact details of your local Sunrise medical service centre can be found on the inside front cover of this booklet.

National and International Website addresses are on the back cover.

### 5.1 Maintenance



### WARNING!

- Loose fasteners should be re-tightened according to the installation instructions. Please refer (unless otherwise specified) to the general table below for needed Torques.

Torque Setting Guide	
M4	3.0Nm
M5	5.9Nm
M6	10Nm
M8	25Nm
M10	48Nm
M12	84Nm

**Note:** it will be necessary to use a torque wrench.

- Chest straps should be replaced at the first indication of damage and/or excessive wear.
- If a broken or loose component is found, discontinue use immediately and contact your authorised Sunrise Medical supplier for replacement.
- Check all Velcro fastening straps for correct adhesion when pressed together.
- Ensure that any contamination, such as fluff, hair, etc is removed from the Velcro straps. Such contamination may affect adhesion.



### WARNING!

- If you are in any doubt about the performance requirements of your wheelchair contact your Sunrise Medical authorised dealer.
- After performing any maintenance or repairs on the wheelchair you must make sure that it is functioning correctly before it is used.
- All fasteners must be replaced like for like using the correct length, tensile strength and materials.
- When replacing self-locking nuts, or nuts/studs secured with a thread locking solution, ensure that a suitable thread locking solution is reapplied to the fastener.


## Daily checks

Perform the daily check routine before driving:


### Checking wheels & tyres

- Are the tyres sufficiently inflated (Chapter 8.2 of the owner's manual).

### Checking batteries

- Before using your vehicle for the very first time, please charge your batteries for a period of 24 hours.
- Are the batteries sufficiently charged? The green lights on the battery indicator must be on.  Controller

### Checking lights and indicators

- Ensure that the lights and indicators are functioning correctly and lens are clean before going outdoors at night.  Controller

### Checking remote

- With the control system switched off, check that the joystick is not bent or damaged and that it returns to the centre when you push and release it.

### Checking free wheel lever

- Ensure that the free wheel lever has been set to 'drive'. (Chapter 5.8 of the owner's manual).

### Checking seating

- Ensure that all the cushions are in place.
- Make sure that the backrest is correctly fitted and adjusted.
- Visually inspect the wheelchair to make sure the leg rests, armrests etc. are correctly positioned and attached to the wheelchair and all fasteners are sufficiently tightened.
- Ensure that the seat interface knobs are tight and secure.

### Checking clothing on potential entrapment

- When operating the wheelchair, ensure that your clothing does not hamper the wheelchair (i.e. too long). Before use, always check if your clothing or accessories do not come into contact with the wheels or and other moving and/or rotating parts in which they could become entangled.

### Checking weather conditions

- In winter, batteries have a reduced capacity. During a period of light frost, the capacity is roughly 75% of the normal capacity. At temperatures below -5°C this will be roughly 50%. This will reduce your range of action.

## Weekly checks

Perform the weekly check routine before driving as described below.

### Checking Parking brake:

This test should be carried out on a level floor with at least one meter clearance all around the chair.

- Switch on the control system.
- Check that the battery gauge remains on, or flashes slowly, after one second.
- Push the joystick slowly forwards until you hear the parking brakes operate.
- The chair may start to move.
- Immediately release the joystick. You must be able to hear each parking brake operate, (click), within a few seconds.
- Repeat the test a further 3 times, pushing the joystick slowly backwards, left and right.

### Checking connectors & cables:

- Make sure that all connectors are securely mated.
- Check the condition of all cables and connectors for damage.

### Checking controller:

- Check the thin rubber gaiter or boot around the base of the joystick shaft for damage or splitting. Check visually only, do not handle the gaiter.
- Make sure that all components of the control system are securely mounted. Do not over-tighten any securing screws.

### Checking controls:

- Switch on the hand control – Do the lights flash? This signifies that there is a fault in the electronic system. Refer to chapter 9 for basic troubleshooting
- Operate all of the electric options, including lights and indicators, (if fitted), to make sure that they work correctly.
- With the seating in an elevated position, drive the wheelchair to make sure that the 'creep' mode works which will slow the wheelchair.
- Drive the wheelchair in each of the drive profiles to make sure the wheelchair performs as it did before.



### WARNING!

- If you are in any doubt about the performance requirements of your wheelchair contact your Sunrise Medical authorised dealer.
- After performing any maintenance or repairs on the wheelchair you must make sure that it is functioning correctly before it is used.
- A complete inspection, safety check and service should be made by a Sunrise Medical authorised dealer at least once per year.
- All fasteners must be replaced like for like using the correct length, tensile strength and materials.
- When replacing self-locking nuts, or nuts/studs secured with a thread locking solution, ensure that a suitable thread locking solution is reapplied to the fastener.
- Check all Velcro fastening straps for correct adhesion when pressed together.
- Ensure that any contamination, such as fluff, hair, etc is removed from the Velcro straps. Such contamination may affect adhesion.

## Monthly checks

Perform the monthly check routine before driving as described below.

- All fasteners should be checked monthly for wear, such as loose bolts or broken components.
- Check all straps monthly for fraying, ripped seams or other indications of excessive wear damage. Discontinue use if damage is found.

## 5.2 Tyre maintenance and pressures

### 5.2.1 Tyre pressure



If pneumatic tyres are fitted to your wheelchair it is important to regularly check the air pressure and for signs of wear.

The maximum tyre pressures are listed in Section 8.3 of the owner's manual, if in doubt check the markings on the side of the wheelchair tyre for guidance.


**NOTE:** It is important that drive wheels are inflated to equal pressures as a pair, and likewise the rear. The inflator pump provides the safest method of inflating your wheelchair tyres and the pressure can be checked with a standard motor vehicle pressure gauge.



- Do not inflate beyond the maximum allowed tyre pressure.
- Always use the pump that is supplied with the chair,

### 5.2.2 Tyre wear

When inspecting the tyres for signs of wear, look for significant scuff marks, cuts and a diminished tyre tread. Tyres will need to be changed when the tread cannot be seen over the complete surface of the tyre.

Maintenance & Inspection Schedule	Daily*	Weekly	Monthly	Annually
Daily check routine as described in chapter 5.1 of the owner's manual	*			
Weekly check routine as described in chapter 8.1 of the owner's manual		*		
Clean wheelchair upholstery  Seating system		*		
<b>Complete inspection, safety check and service should be made by a Sunrise Medical authorised dealer.</b>				*

### 5.3 Wheels & tyres maintenance

To ensure that your wheelchair functions properly, it is essential that the tires are kept at the correct pressure. The correct tyre pressure is indicated on the side of the tyre.

Tyres that are too soft will have a negative effect on the wheelchair's performance. Moving the wheelchair will require more energy, making more demands on the batteries. Furthermore, wear on under inflated tyres is increased

When inspecting the tyres for signs of wear, look for significant scuff marks, cuts and a diminished tyre tread. Tyres will need to be changed when the tread cannot be seen over the complete surface of the tyre.

Castor wheel		Max. tyre pressure	
6"	Q400 M	Solid wheels	
9" (2.80/2.50-4)	Q400 F Q400 R	2.4 bar max.	35 PSI
10" (3.00-4)	Q400 F Q400 R	2.4 bar max.	35 PSI
Drive wheel		Max. tyre pressure	
13" (2.50-8)	Q400 M Q400 F Q400 R	2.4 bar max.	35 PSI max.
14" (3.00-8)	Q400 F Q400 R	3.5 bar max.	50 PSI max.



#### **DANGER!**

- Do not inflate beyond the maximum allowed tyre pressure.
- Never use a forecourt pump
- Before tyres are repaired they must first be fully deflated!



## 5.4 Lighting maintenance:



Maintaining lights and indicators is a safety critical task. If your lights and indicator system shows a defect, please contact your Sunrise Medical Approved Dealer.

All lights and indicators are state of the art LED low energy, no maintenance units. There are no light bulbs used. The high intrinsic reliability of these units means that they are extremely unlikely to fail under normal usage. If a failure should occur, (may be as a result of an impact), the damaged light assembly must be replaced in its entirety. The individual LED's cannot be replaced.



- We recommend the use of Sunrise Medical authorized spare parts only.
- Be advised that all lighting circuits are electronically protected. In the event of a short circuit current will be limited to a safe level. Once the fault is removed the system resets automatically.

## 5.5 Cleaning and disinfection

The wheelchair should be wiped over once per week with a slightly damp, not wet, cloth and any fluff or dust that has accumulated around the motors should be blown or dusted away.



Make sure that you dry all parts of your wheelchair if it becomes wet or damp after cleaning or if it is used in a wet or damp atmosphere.



It is important that should the wheelchair be used by more than one person it is cleaned thoroughly to ensure there is no cross infection.

### Hygiene measures when being re-used:

Prior to the wheelchair being re-used, it must be carefully prepared. All surfaces which come into contact with the user must be treated with a disinfection spray.

To do this, you must use a suitable disinfectant for rapid alcohol-based disinfection of medical products and medical devices.

Please take into account the manufacturer's instructions for the disinfectant you are using.



- Do not use solvents, bleaches, abrasives, synthetic detergents, wax polishes or aerosols.
- Disinfectants may be used in dilution as specified by their manufacturer.
- Ensure surfaces are rinsed with clean water and dried thoroughly.



- Always read the label on any commercial or domestic cleaning substances.
- Always follow the instructions carefully.

Below, we have indicated what needs to be checked, how often this should be done and by whom.

Time	Description	To be carried out by	
		User	Supplier
Monthly	• Cleaning the seating system.	x	-
	• Cleaning the upholstery (if necessary).	x	-
Annually	• Inspecting the mechanical parts	-	x
	• Checking all fastenings and bolts: tighten if necessary	-	x

Should the control of your wheelchair become soiled or dirty, it can be wiped with a damp cloth with a dilute disinfectant until clean.

This document is a reference book to be used when replacing/servicing parts.

### **Assembly, replacement and adjustment instructions**

The paragraphs 6.2 (Sedeo Pro) cover illustrated assembly, replacement instructions.

Every separate visual instruction is prefaced with:

- Preparation remarks
- Instructions
- Tools used
- Notice (if applicable): extra notes covering information you need when executing the specific task)

## **6.0 Service Instructions**

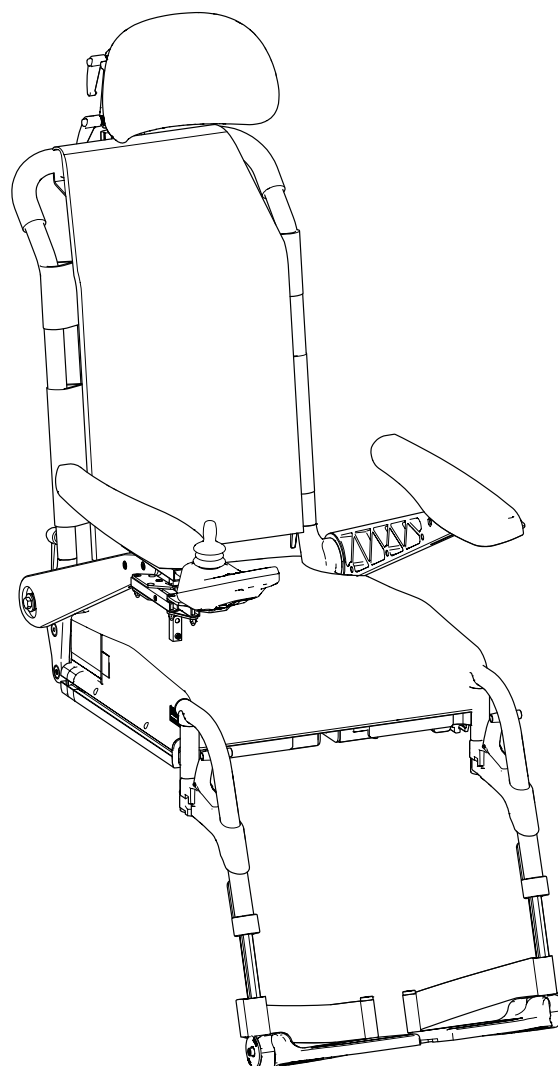
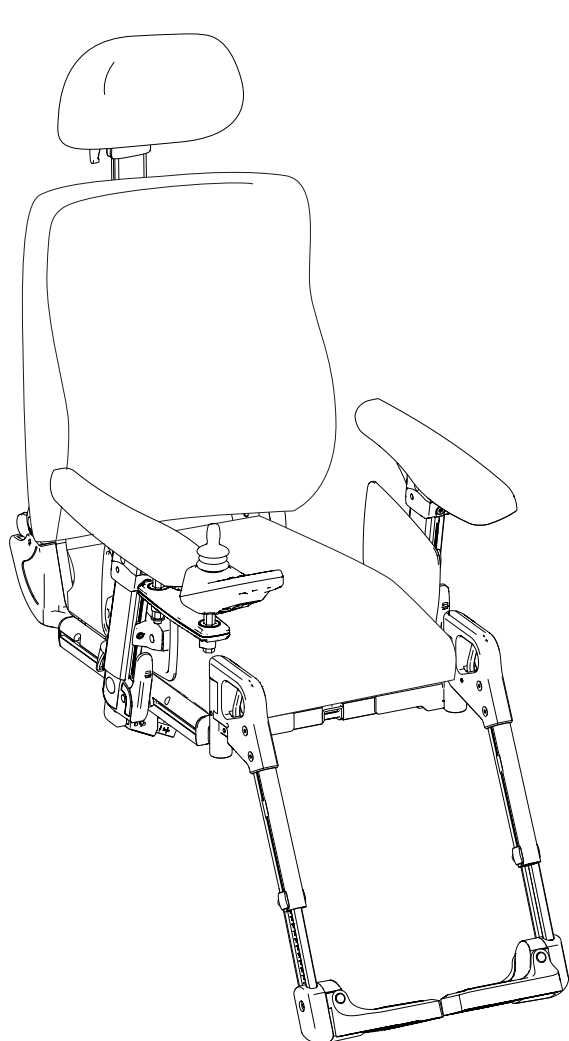
### **6.1 Assembly, replacement and adjustment instructions**

#### **Assembly, replacement and adjustment instructions**

The paragraphs 6.2 (Sedeo Pro + lte), 6.3 (Sedeo Pro only), 6.4 (Sedeo Lite only), 6.5 (Sedeo Ergo) cover illustrated assembly and replacement instructions.

Every separate visual instruction is prefaced with:

- Preparation remarks
- Instructions
- Tools used
- Notice (if applicable): extra notes covering information you need when executing the specific task)



# Sedeo Pro + Lite

## Seating manual

Service Instructions

## 6.2 Assembling and replacement instructions - Sedeo PRO + LITE

### Removal of headrest unit from backrest frame

#### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

#### Tools used

N/A

#### Instructions

**Note!** Suitable work area required!

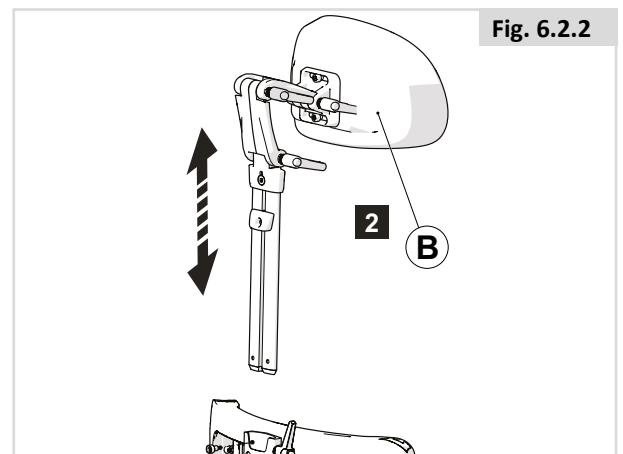
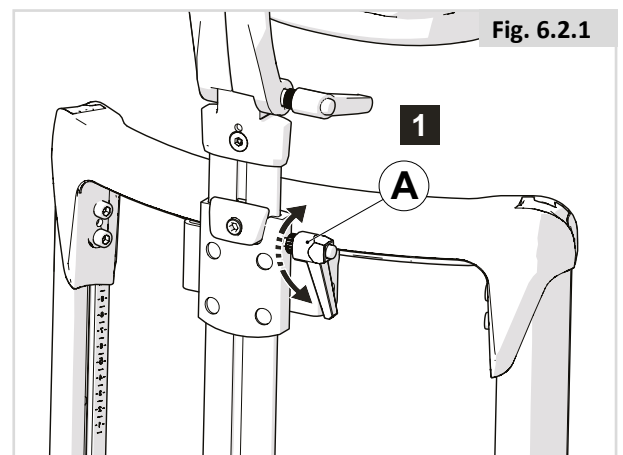
- Follow the illustrated instruction for removing the headrest unit from the backrest frame.
- Rebuild the wheelchair in reverse order once completed.

Fig. 6.2.1

1. Remove bolt (A)

Fig. 6.2.2

2. Pull up entire headrest unit (B) and remove from bracket



## Removal of headrest cushion

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the headrest cushion.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

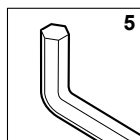


Fig. 6.2.3

1. Remove 2 (A) bolts

Fig. 6.2.4

2. Remove cushion (B) away from bracket

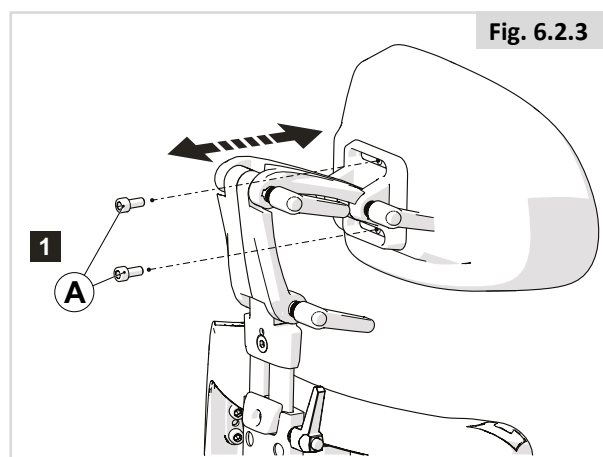


Fig. 6.2.3

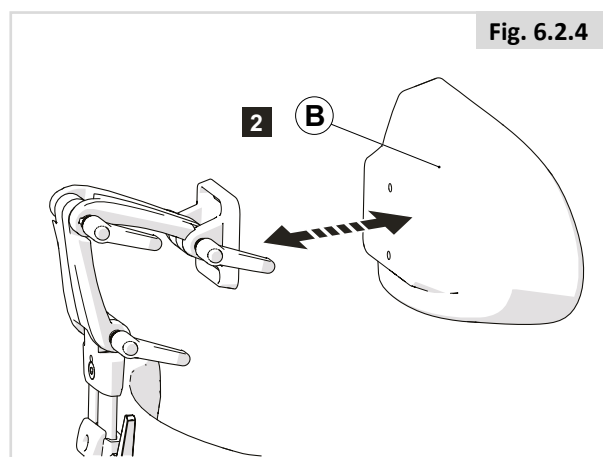


Fig. 6.2.4

## Removal of Whitmyer headrest and cushion from Whitmyer headrest mount

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the Whitmyer headrest and cushion from the Whitmyer headrest mount.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 10Nm.

### Tools used

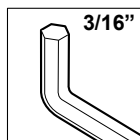


Fig. 6.2.5

1. Slide off plastic cap (A)

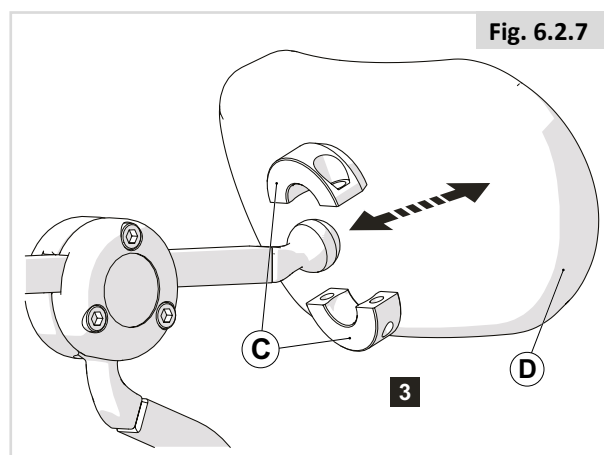
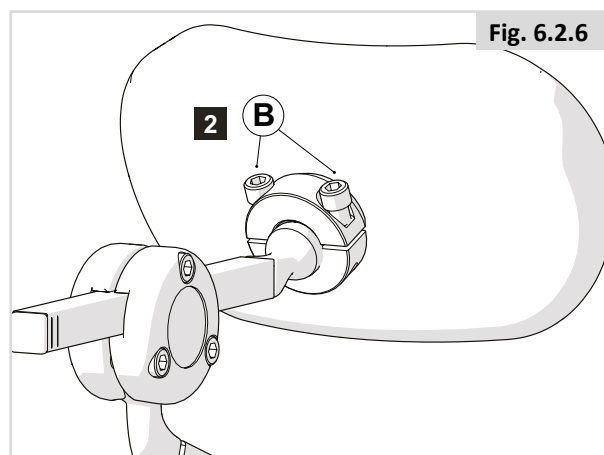
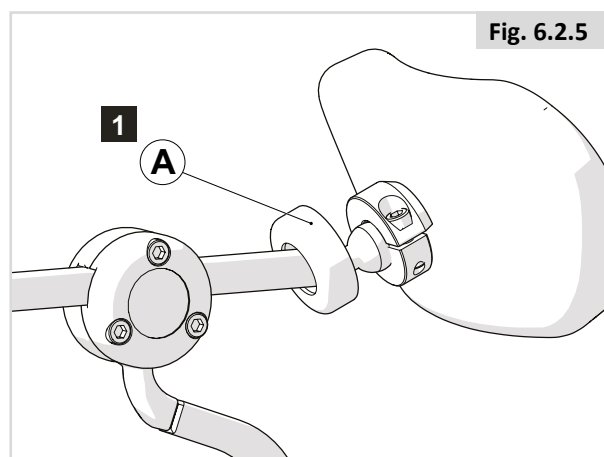
Fig. 6.2.6

2. Loosen (B) bolts from crescent-shaped segment.

NOTE: Do not remove bolts fully.

Fig. 6.2.7

3. Remove 2 crescent-shaped segments (C) and remove headrest cushion (D)



## Removal of plastic caps and t-nuts along seat rail

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the plastic caps and t-nuts along the seat rail.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

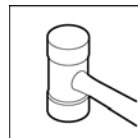
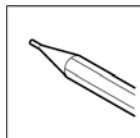
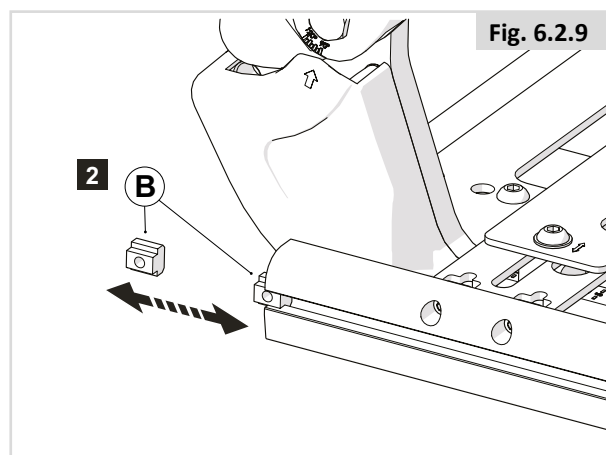
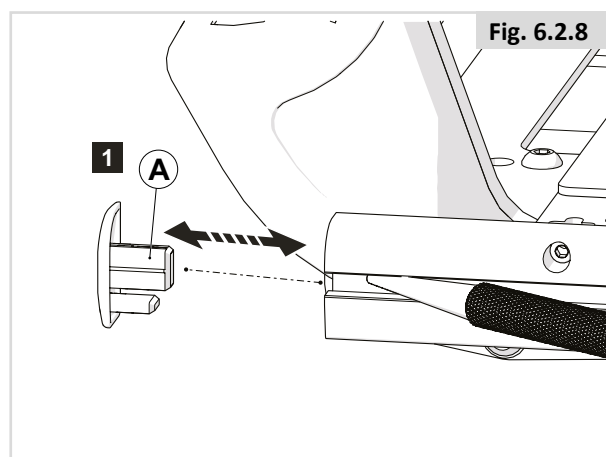


Fig. 6.2.8

1. Using the punch and hammer, remove the plastic cap (A) from the seat rail

Fig. 6.2.9

2. Slide t-nuts (B) along seat rail and remove



## Removal of entire swing away legrest from hanger receiver

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Tools used

N/A

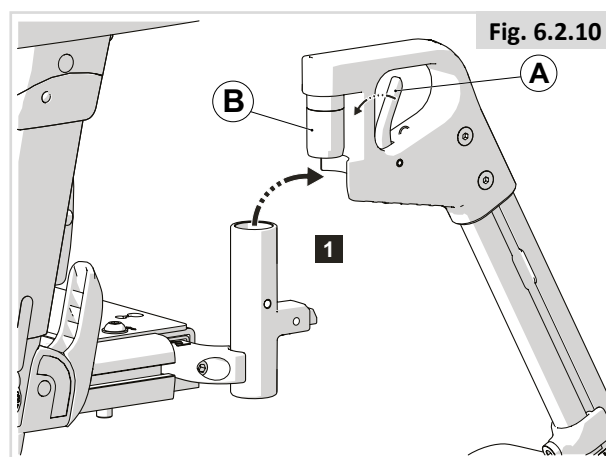
### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing a swing away legrest from the hanger receiver.
- Rebuild the wheelchair in reverse order once completed.

Fig. 6.2.10

1. Push lever (A) back and pull legrest unit from hanger receiver (B)





## Removal of lower leg rest assembly from upper section

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the lower legrest assembly.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 9Nm.

### Tools used

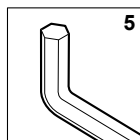
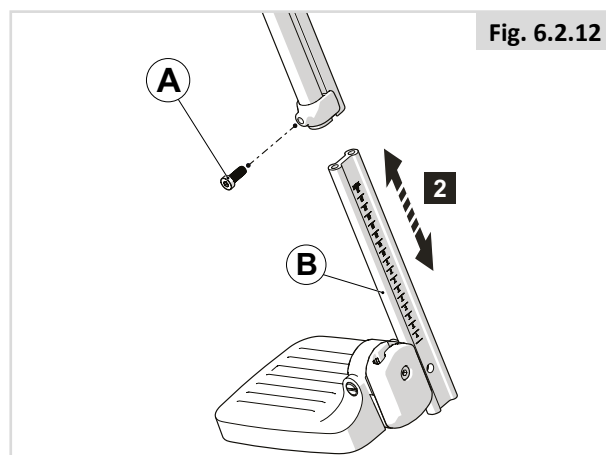
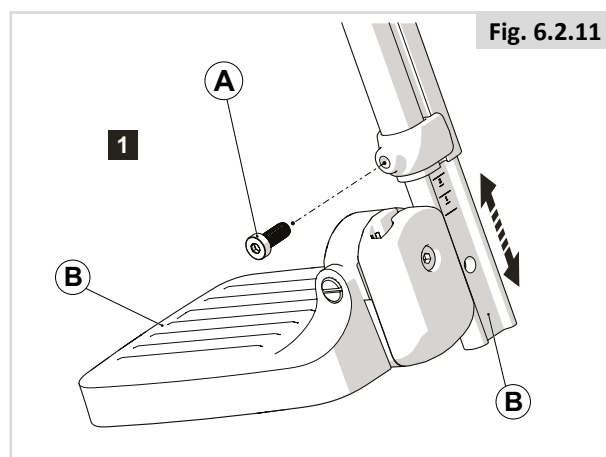


Fig. 6.2.11

1. Unscrew and remove (A) bolts and remove the lower assembly (B)

Fig. 6.2.12

2. Remove the lower assembly (B)



## Removal of calf pad and cushion from swing away legrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the calf pad and cushion from a swing away legrest.
- Rebuild the wheelchair in reverse order once completed.
- T-nuts remain in the extrusion, they can be removed through the wider slot section.
- Tightening torque for bolts is 9Nm.

### Tools used

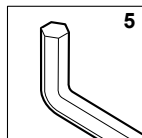


Fig. 6.2.13 shows the starting position of the calf pad assembly

Fig. 6.2.14

1. Unscrew and remove (A) bolts from t-nuts in legrest assembly

Fig. 6.2.15 shows the calf pad from the rear of the assembly

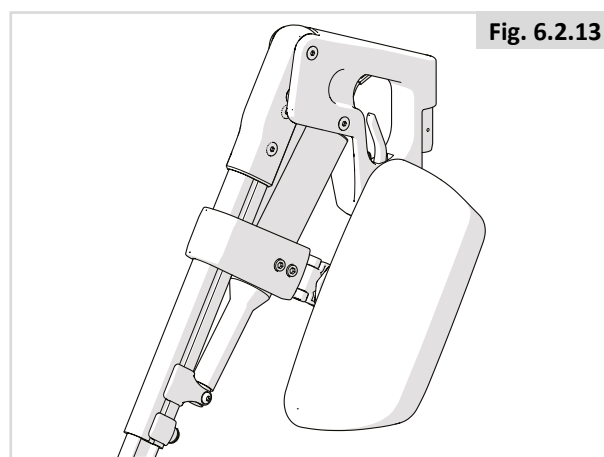


Fig. 6.2.13

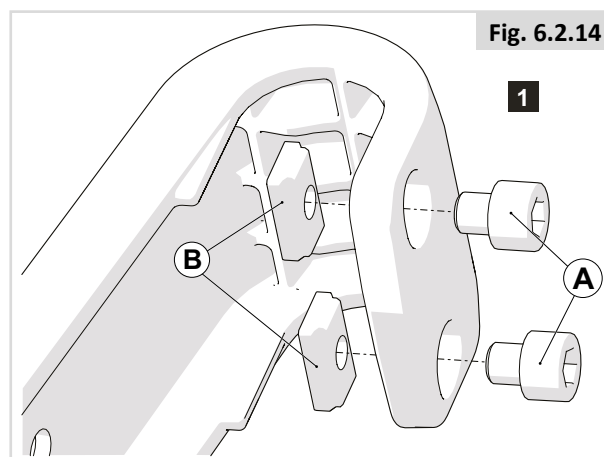


Fig. 6.2.14

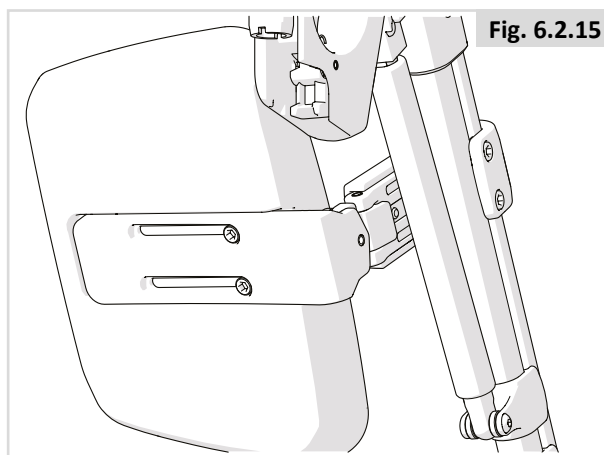


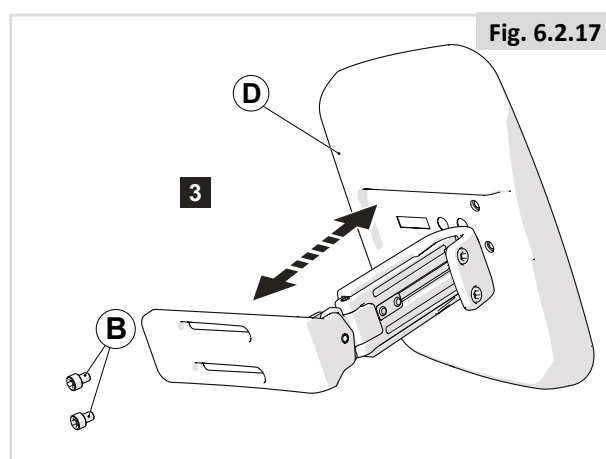
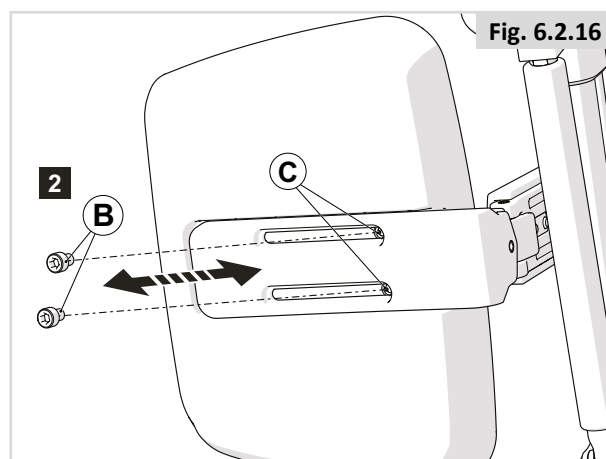
Fig. 6.2.15

Fig. 6.2.16

2. Unscrew and remove (B) bolts from (C) holes

Fig. 6.2.17

3. Remove cushion (D) from calf pad bracket



## Removal of gas strut/actuator from manual/powered adjustable legrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the gas strut/actuator from a manual/powered adjustable legrest.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 5Nm.

### Tools used

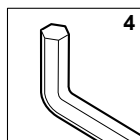


Fig. 6.2.18 shows the starting position of the legrest assembly

Fig. 6.2.19

1. Unscrew and remove bolt (A) then remove axle (B)

Fig. 6.2.20

2. Unscrew and remove 2 bolts (C) from the lower part of the legrest assembly

Fig. 6.2.18

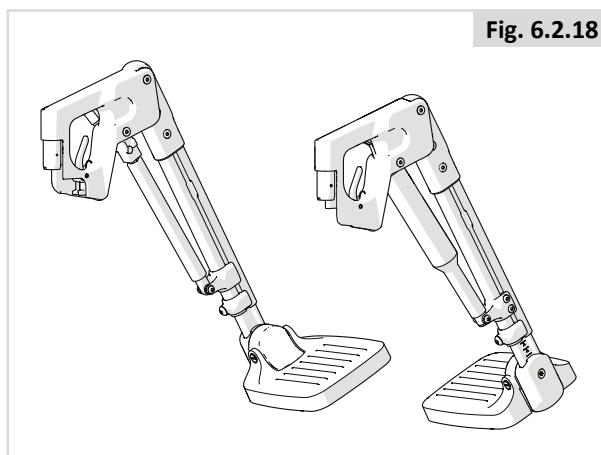


Fig. 6.2.19

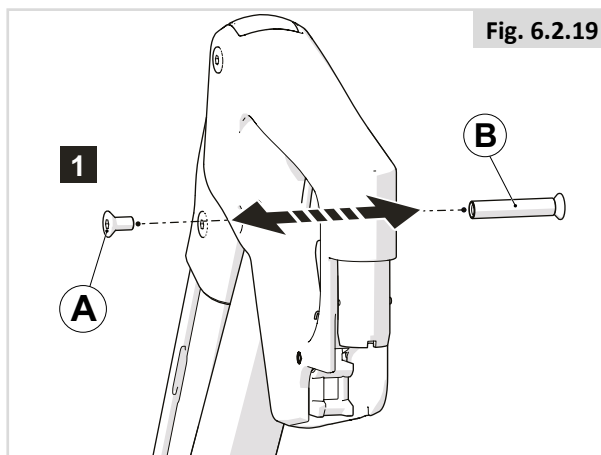


Fig. 6.2.20

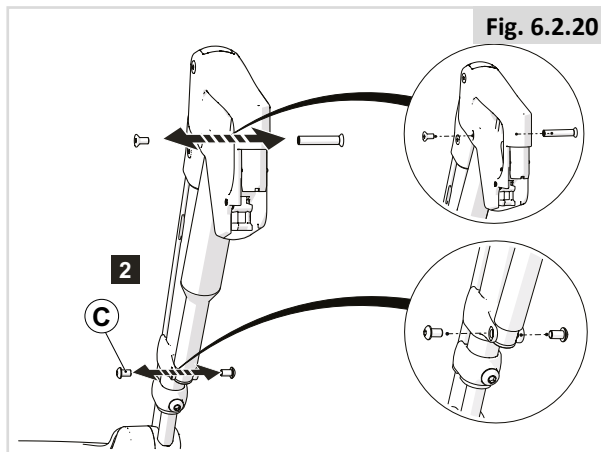


Fig. 6.2.21 shows that all the fasteners are removed

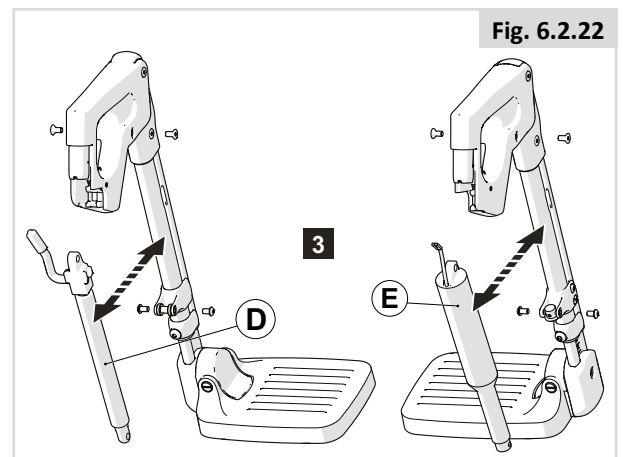
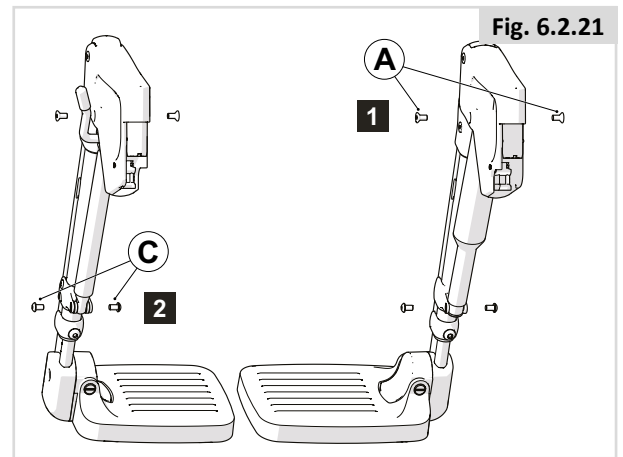
Fig. 6.2.22

3. Remove the gas strut (D)

or

Whilst removing actuator (E), connector needs disconnecting from the legrest assembly

NOTE: When replacing be careful reconnecting the actuator cable so that it doesn't become trapped.



## Removal of the hanger receiver

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the hanger receiver from the seat plate.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

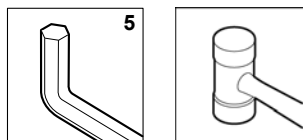


Fig. 6.2.23

1. Loosen (A) bolt

**NOTE:** Do not remove bolt. The clamping mechanism may stick therefore it may be necessary to gently tap end of bolt (A) to free the mechanism.

Tightening torque for bolts is 10Nm

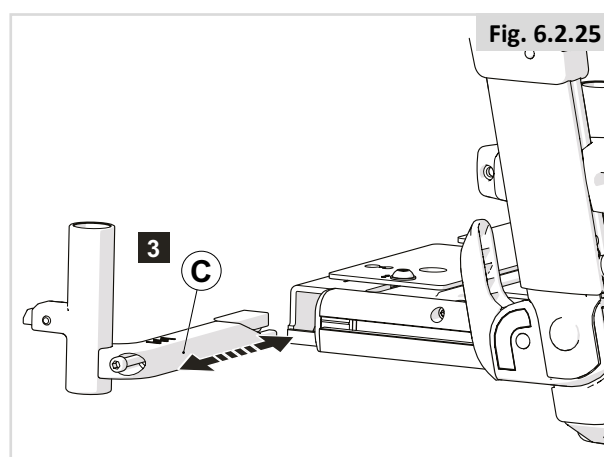
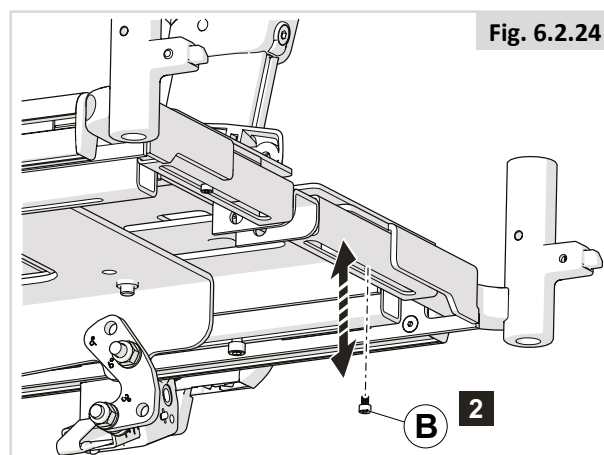
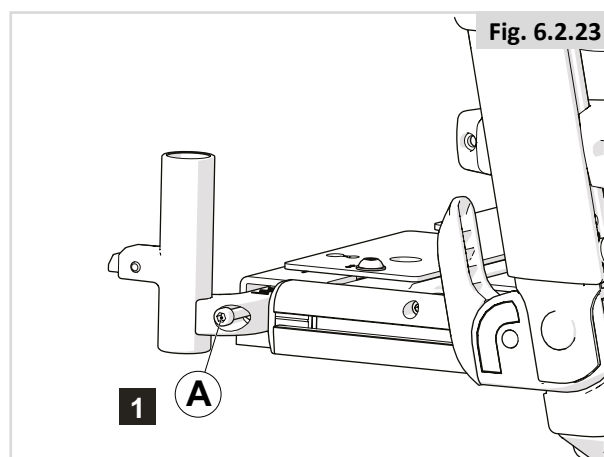
Fig. 6.2.24

2. Unscrew and remove bolt (B) from underneath the seat plate

Tightening torque for bolts is 6Nm

Fig. 6.2.25

3. Remove hanger receiver (C) from seat



## Removal of powered centre-mount legrest from the seat

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing a powered centre-mount legrest from the seat
- Rebuild the wheelchair in reverse order once completed.
- Disconnect cables before taking apart.
- Tightening torque for bolts is 9Nm.

### Tools used

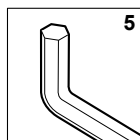
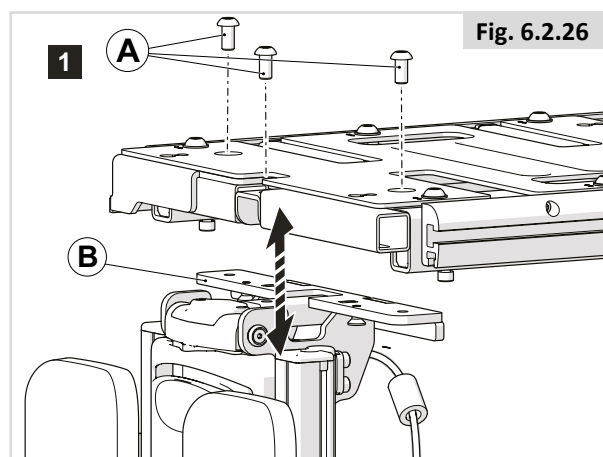


Fig. 6.2.26

1. Unscrew and remove 3 (A) bolts from the top of the seat plate, then remove the powered centre-mount legrest (B)



## Removal of calf pad and cushion from tool adjustable centre-mount legrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the calf pad and cushion from a tool adjustable centre-mount legrest.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

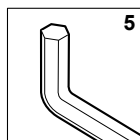


Fig. 6.2.27

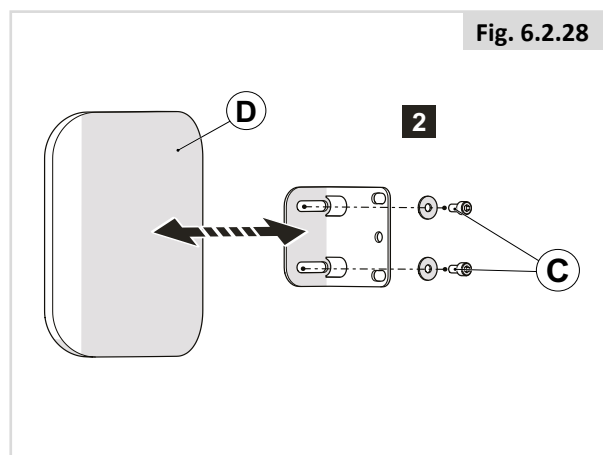
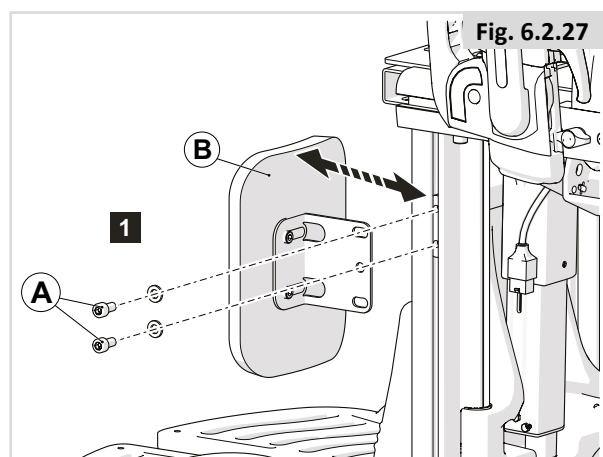
1. Unscrew and remove 2 (A) bolts from both sides of the legrest, then remove calf pad assembly (B) from legrest assembly

Tightening torque for bolts is 9Nm

Fig. 6.2.28

2. Unscrew and remove (C) bolts from the bracket, then remove calf pad cushion (D) from the brackets

Tightening torque for bolts is 6Nm





## Removal of the footplate from powered centre-mount legrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the footplate from a powered centre-mount legrest.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 9Nm.

### Tools used

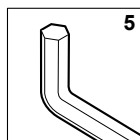
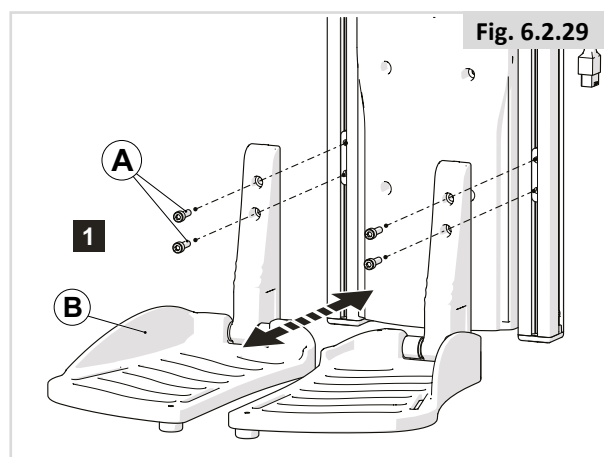


Fig. 6.2.29

1. Unscrew and remove 2 (A) bolts from each side from the t-nuts on front of the legrest assembly, then remove the footplates (B)



## Removal of both actuators on powered centre-mount legrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing both actuators on a powered centre-mount legrest.
- Rebuild the wheelchair in reverse order once completed.
- Disconnect cables before taking apart.

### Tools used

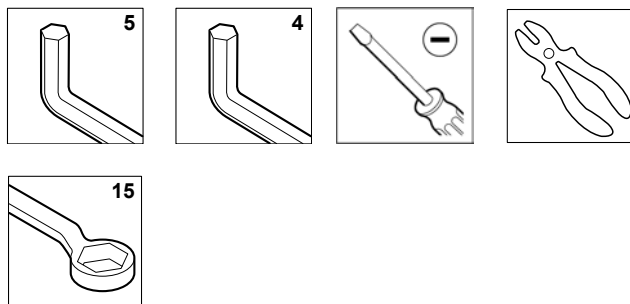


Fig. 6.2.30

1. Remove 2 (A) bolts and remove 2 plastic caps (B)

Tightening torque for bolts is 3Nm

Fig. 6.2.31

2. Remove the 4 threaded plates (C) from the side extrusions of the legrest assembly

Fig. 6.2.32

3. Unscrew and remove the 4 bolts (D) from the bracket on the rear of the legrest

Tightening torque for bolts is 9Nm

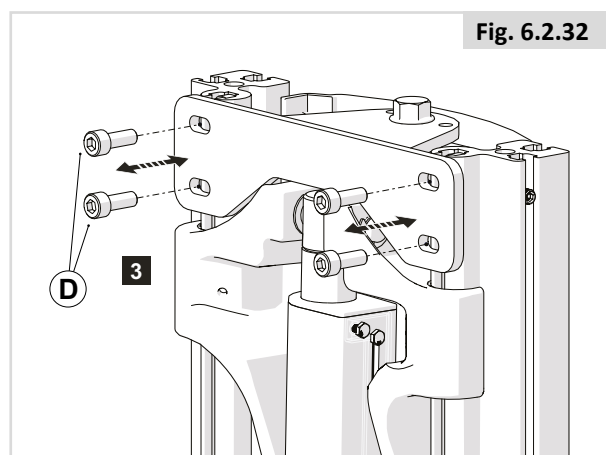
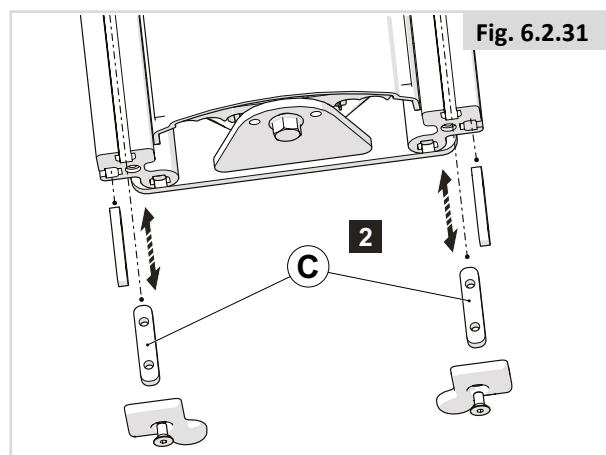
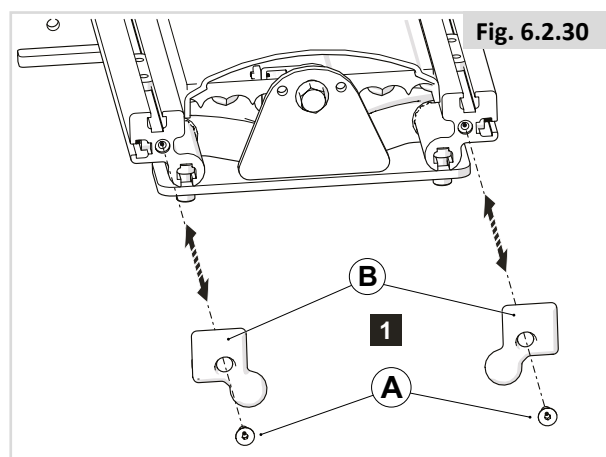


Fig. 6.2.33

4. Unscrew and remove bolt (E) using the spanner on the top of the legrest assembly

Tightening torque for bolts is 15Nm

Fig. 6.2.34

5. Move rail upwards, unscrew and remove bolt (F) and bush (G) to release first actuator

Tightening torque for bolts is 6Nm

Fig. 6.2.35

6. Using a screwdriver, remove the C-clip (H)

Fig. 6.2.36

7. Remove C-clip (I) and push dowel (J) out towards the opposite side

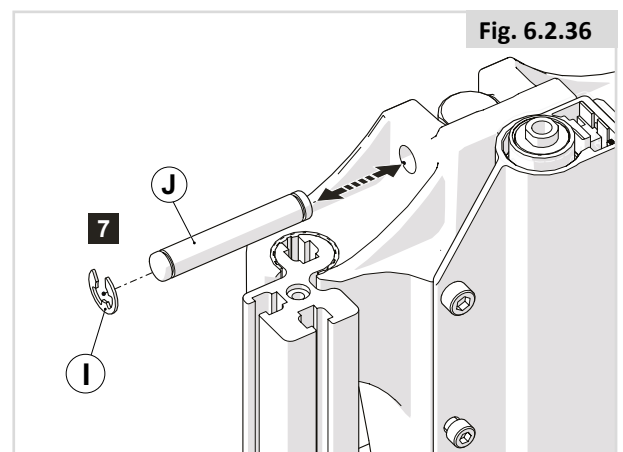
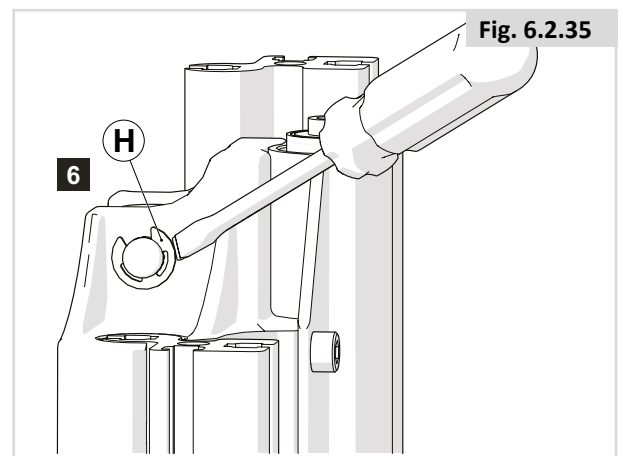
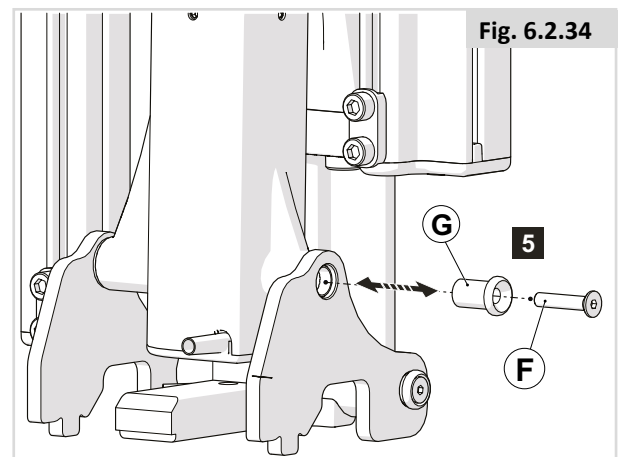
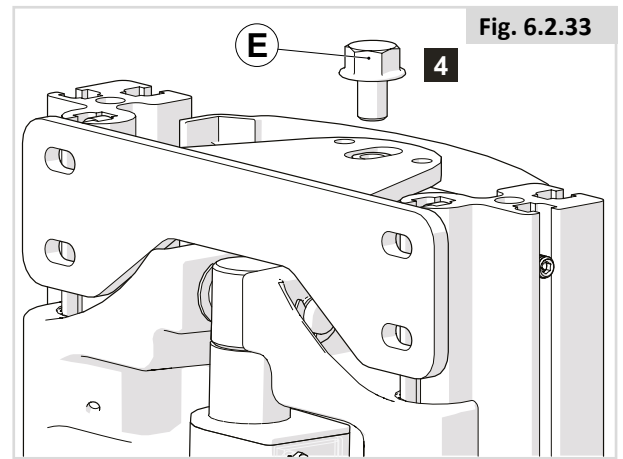


Fig. 6.2.37

8. Remove first actuator (K)

#### Removing the second actuator

Fig. 6.2.38

9. Using 4mm hex key, remove the front 4 screws (L) to remove the front cover of the legrest

Tightening torque for bolts is 6Nm

Fig. 6.2.39

10. Unscrew and remove the 4 bolts (M) on the second actuator

Tightening torque for bolts is 9Nm

Fig. 6.2.40

11. Unscrew and remove bolt (N) and bush (O) to release second actuator

Tightening torque for bolts is 6Nm

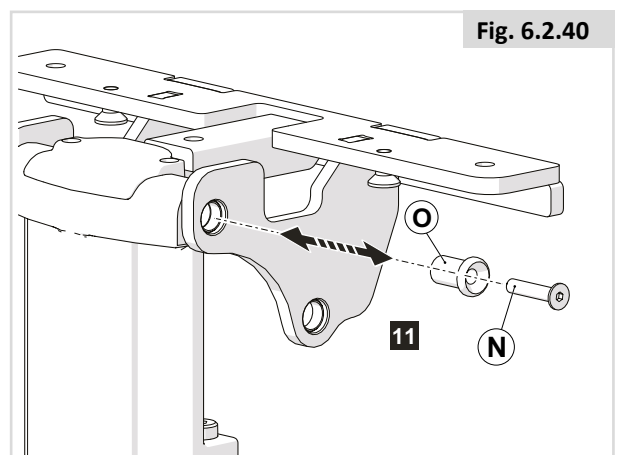
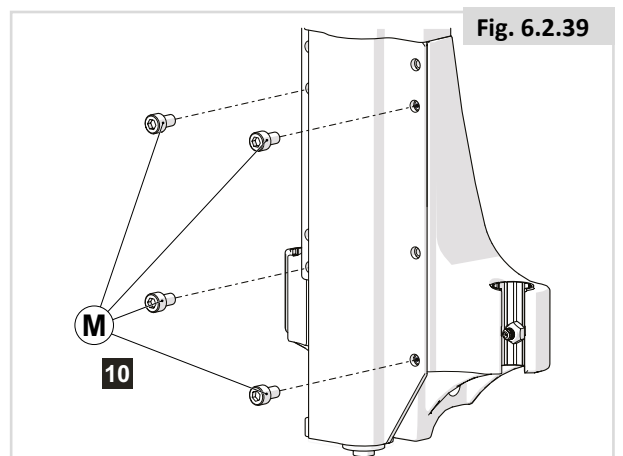
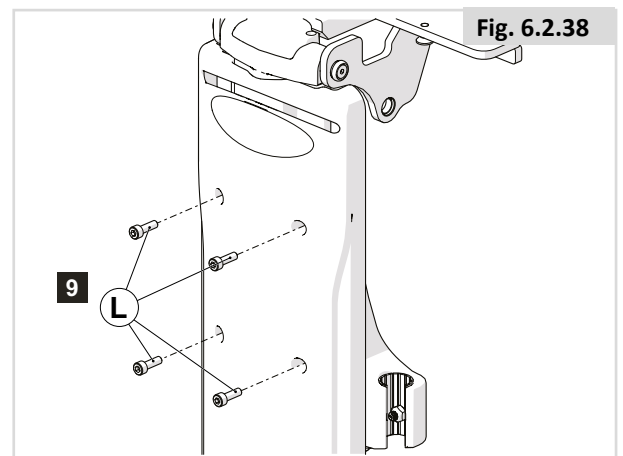
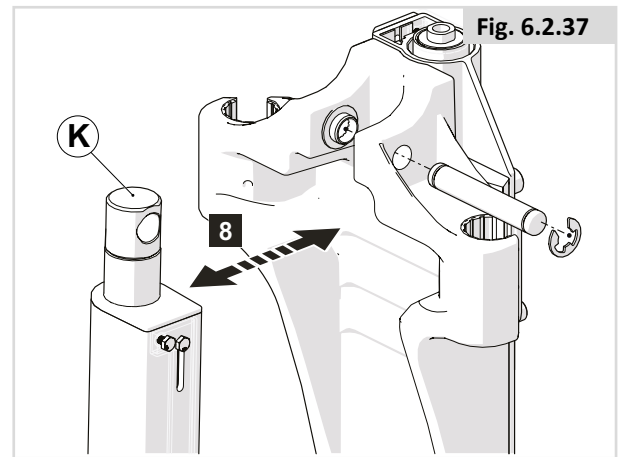
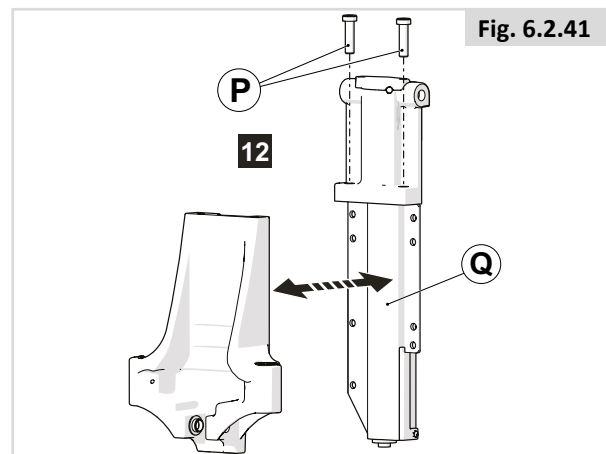


Fig. 6.2.41

12. Unscrew and remove bolts (P) from the housing and then remove second actuator (Q)

Tightening torque for bolts is 9Nm



## Removal of tool adjustable centre-mount legrest from the seat

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the tool adjustable centre-mount legrest from the seat.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 9Nm.

### Tools used

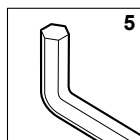
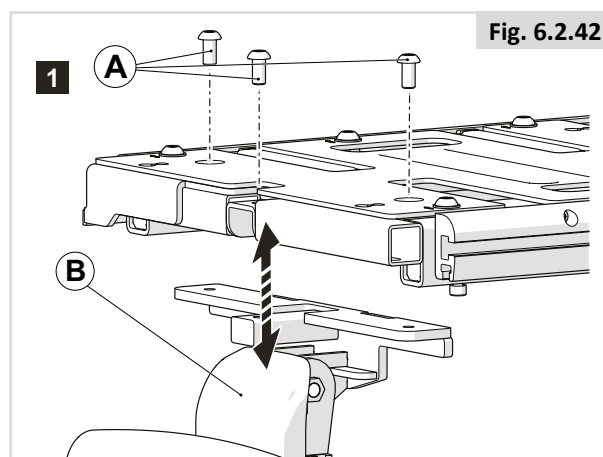


Fig. 6.2.42

1. Unscrew and remove 3 (A) bolts from the top of the seat plate, then remove the centre-mount legrest (B)



## Removal of calf pad and cushion from tool adjustable centre-mount legrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the calf pad and cushion from a tool adjustable centre-mount legrest.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

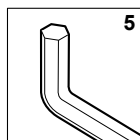


Fig. 6.2.43

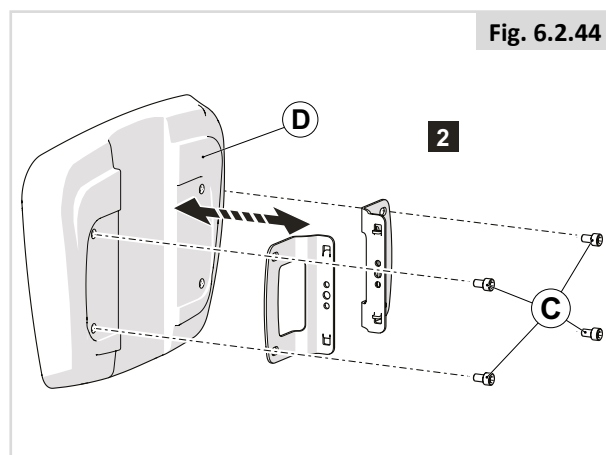
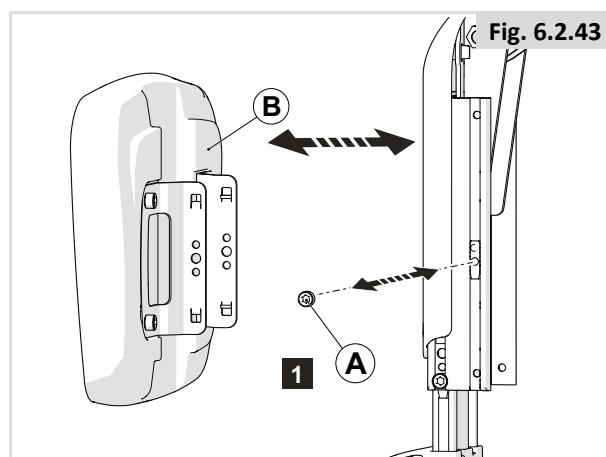
1. Unscrew and remove (A) from both sides of the legrest, then remove calf pad assembly (B) from legrest assembly

Tightening torque for bolts is 9Nm

Fig. 6.2.44

2. Unscrew and remove 2 (C) bolts from each side of the bracket, then remove calf pad cushion from the bracket (D)

Tightening torque for bolts is 6Nm



## Removal of legrest cover from tool adjustable centre-mount legrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the legrest cover for the tool adjustable centre-mount legrest.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 9Nm.

### Tools used

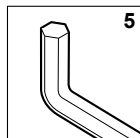


Fig. 6.2.45

1. Unscrew and remove (A) bolt and tilt (B) to approximately 45°

Fig. 6.2.46

2. Push retaining pins (B) through the slots in the legrest assembly

Fig. 6.2.47

3. Slide up legrest cover (C) vertically and remove from legrest assembly

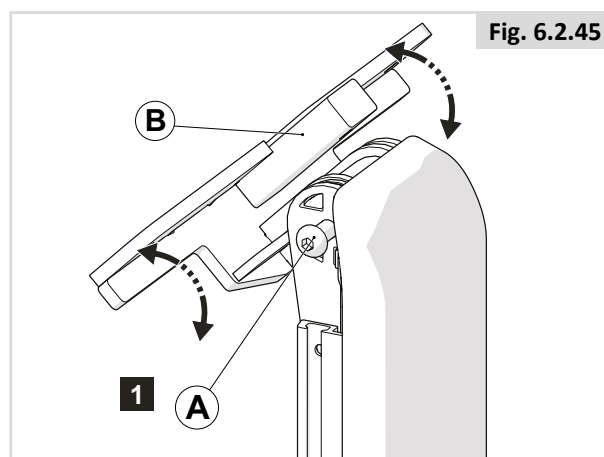


Fig. 6.2.45

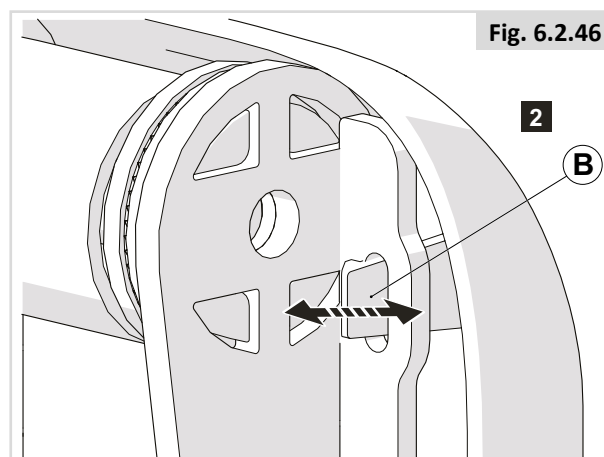


Fig. 6.2.46

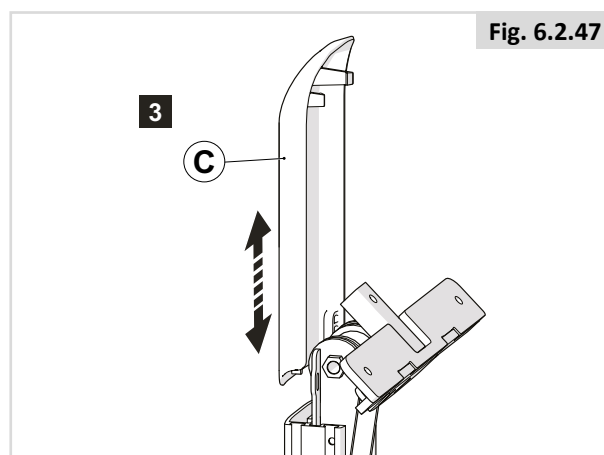


Fig. 6.2.47



## Removal of footplate on tool adjustable centre-mount legrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the footplate on a tool adjustable centre-mount legrest.
- Tightening torque for bolts is 9Nm.

### Tools used

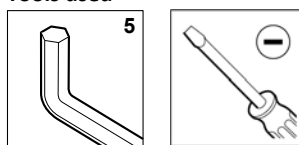


Fig. 6.2.48

1. Unscrew and remove 2 (A) bolts

Fig. 6.2.49

2. Pull down the footplate attachment (B)

Fig. 6.2.50

3. Using a screwdriver, press in the black plastic pin (C)

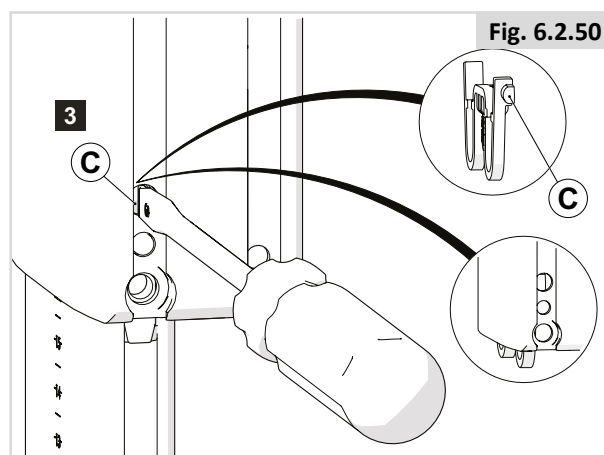
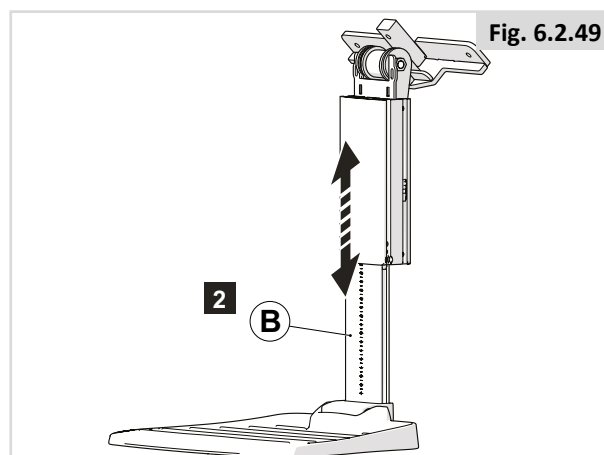
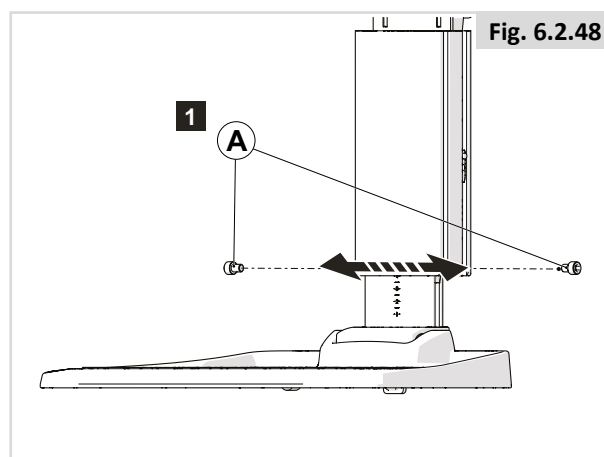


Fig. 6.2.51

4. Whilst pressing and holding the plastic pin, pull the footplate (D) from the upper legrest assembly

#### To Reassemble

Fig. 6.2.52

5. Partially place the t-nuts into the footplate (E)

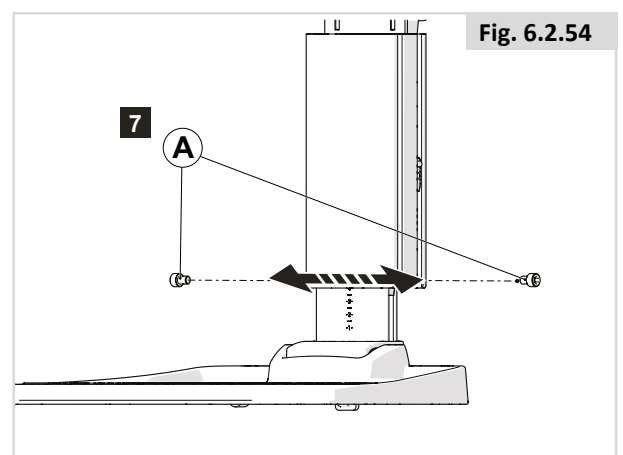
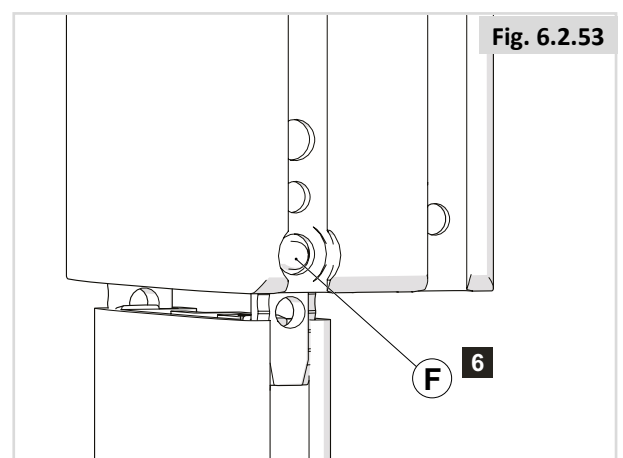
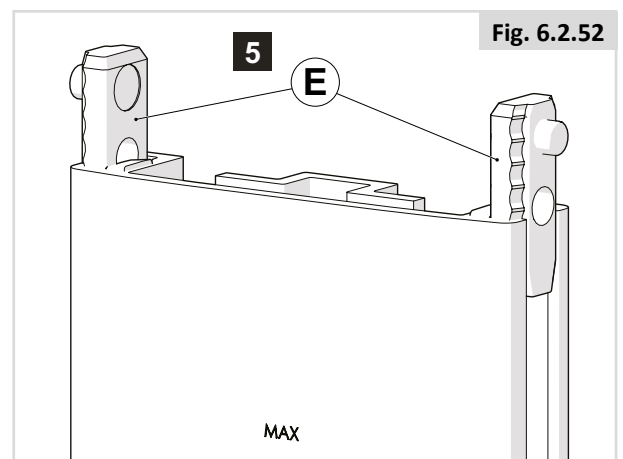
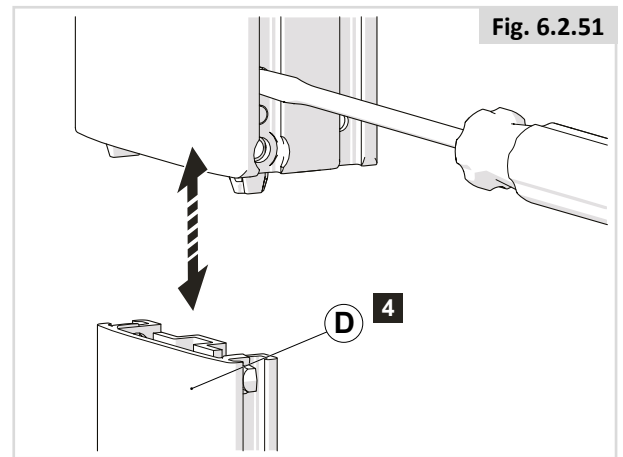
Please note the orientation of the t-nuts when reassembling

Fig. 6.2.53

6. Slide the rest of the assembly over the top of the footplate until the t-nut is visible through the bottom hole (F). (The black plastic pin may be needed to be pushed in again) and slide the footplate assembly into the upper legrest assembly.

Fig. 6.2.54

7. Then set the footplate at the correct height. Re-fit 2 (A) bolts into t-nuts.



## Removal and reassembly of adjustment wheel set on tool adjustable legrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing and the reassembly of the adjustment wheel set on a tool adjustable legrest.
- Tightening torque for bolts is 9Nm.

### Tools used

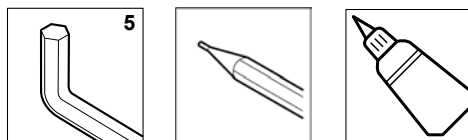


Fig. 6.2.55

1. Remove bolt (A) from the adjustment wheel set

Fig. 6.2.56

2. Remove axle (B) from the opposite side of the wheel set

Fig. 6.2.57

3. Pull apart upper section (C) from the lower section

**NOTE:** Spring used in the centre may be destroyed and need to be replaced.

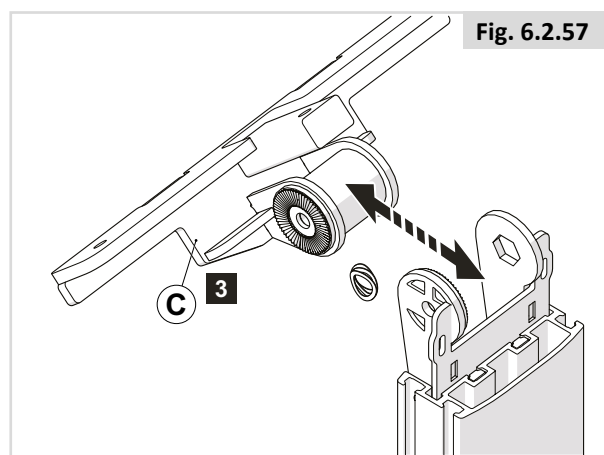
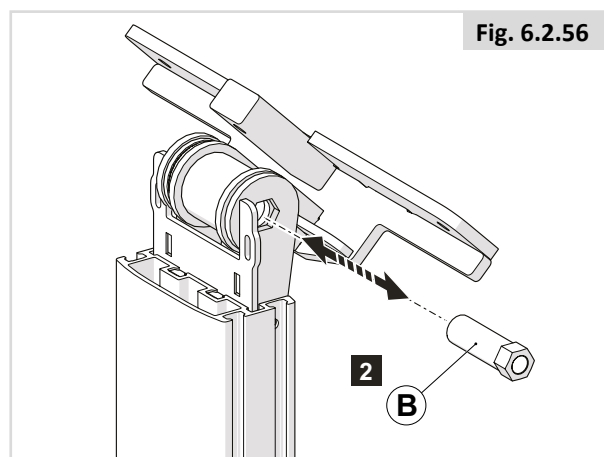
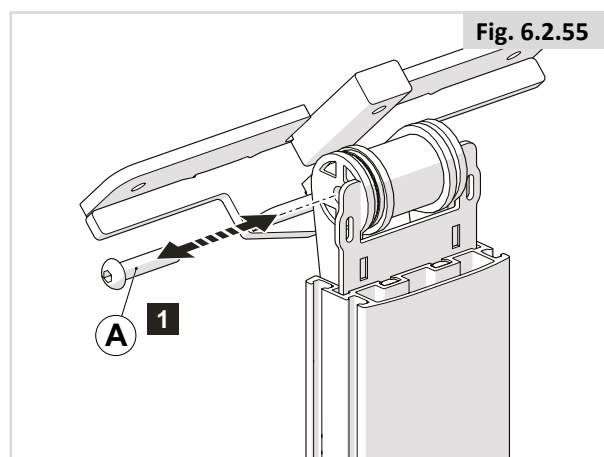


Fig. 6.2.58

4. Punch segment (D) from the lower legrest assembly

Fig. 6.2.59

5. Punch segment (E) through the barrel from the upper legrest assembly

Fig. 6.2.60

6. Using Loctite® liquid super glue, replace new segment (F) by adhering to barrel

Fig. 6.2.61

7. Using Loctite® liquid super glue, replace new segment (G) by adhering to the lower legrest assembly

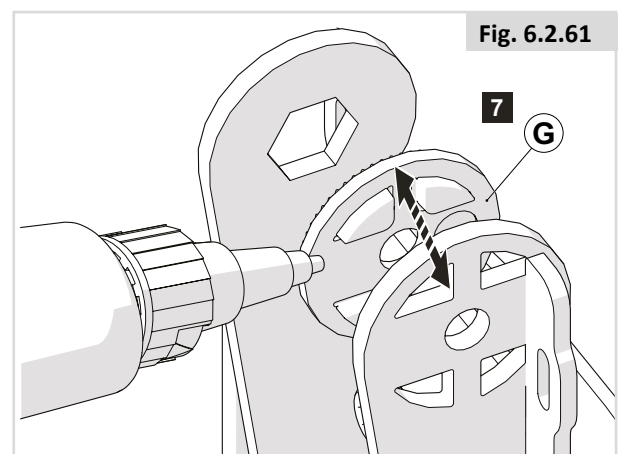
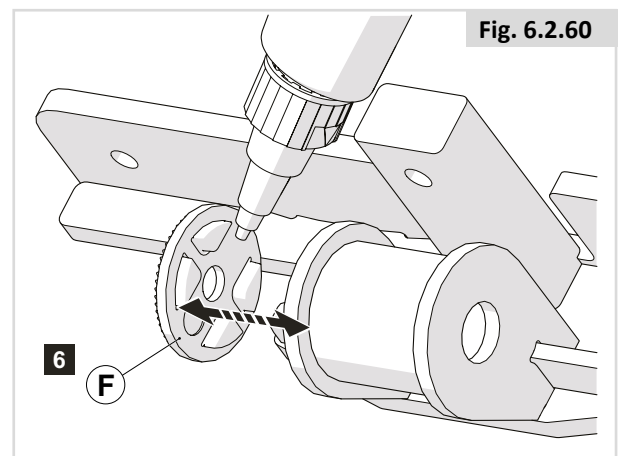
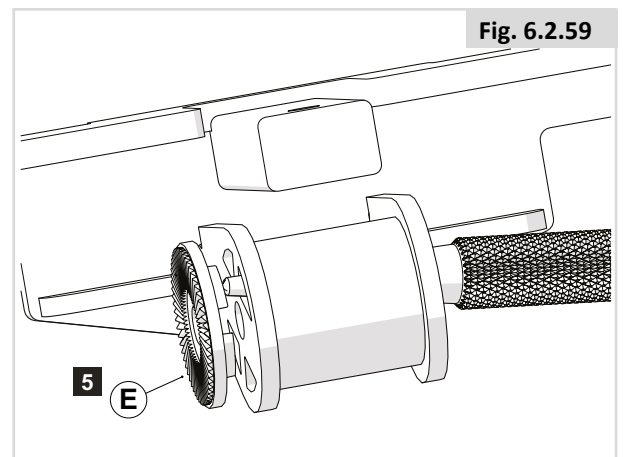
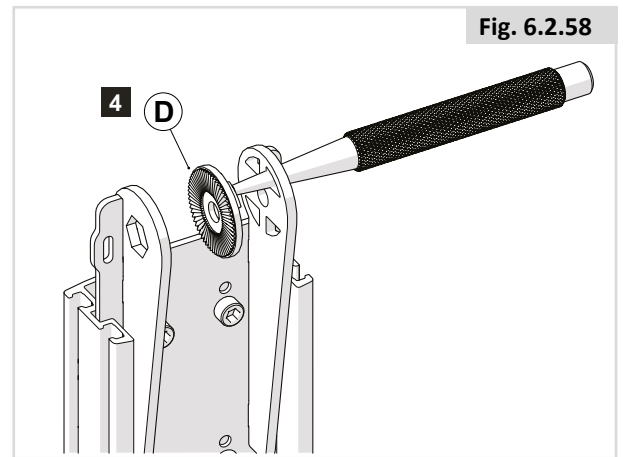


Fig. 6.2.62

8. Once glued, slide together and align both parts of the legrest assembly together (H)

Fig. 6.2.63

9. Use a screwdriver to hold open the gap between the two segments, aligned

Fig. 6.2.64

10. Compress new spring (I) and slide between the 2 new segments

Fig. 6.2.65

11. NOTE: Make sure that the new spring sits within the recess (J) of the new segments

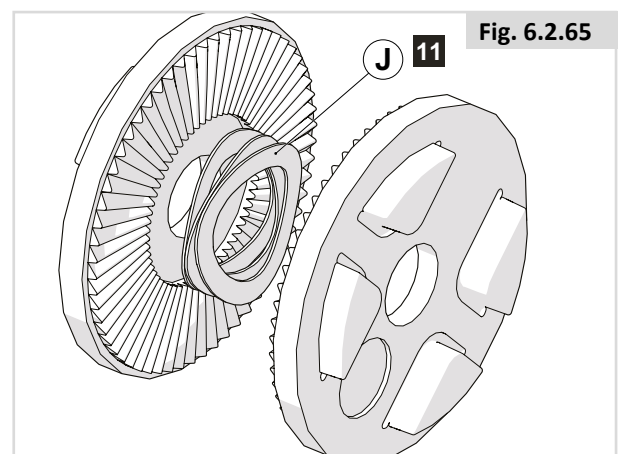
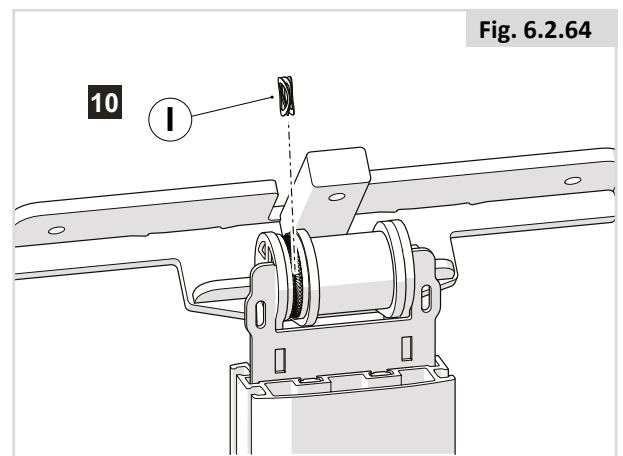
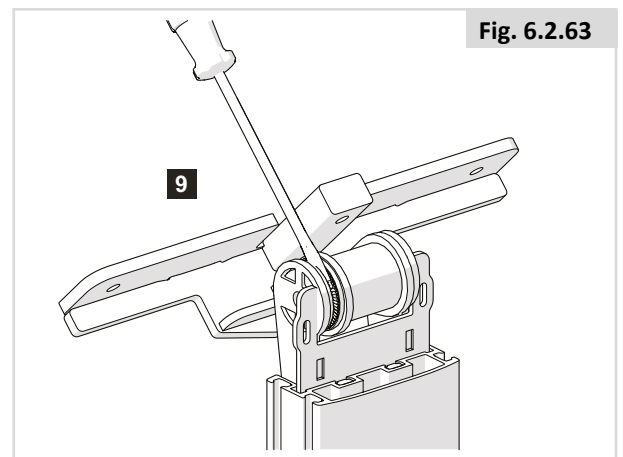
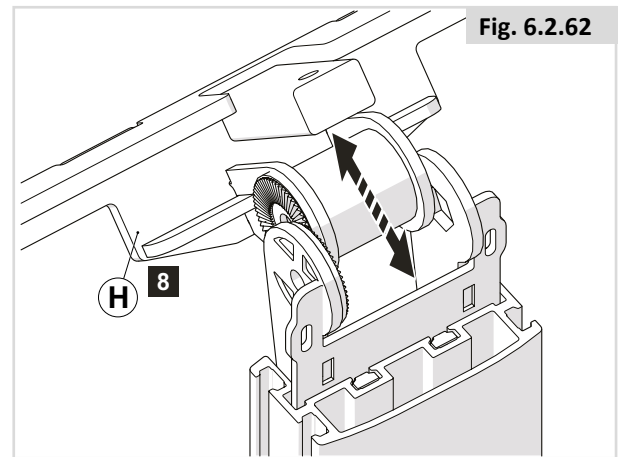
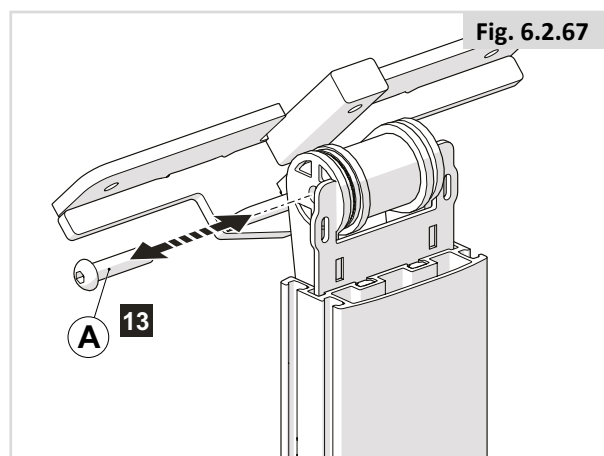
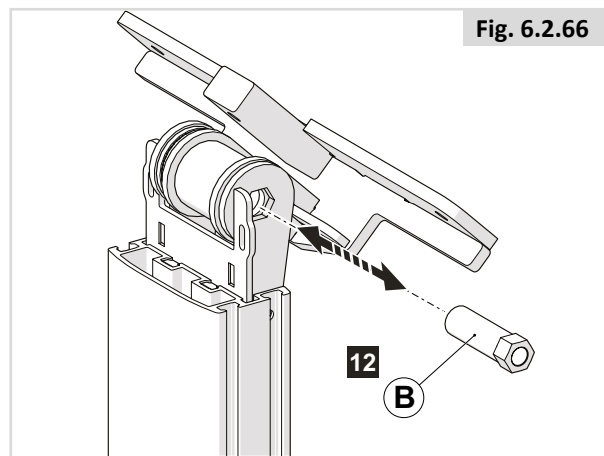


Fig. 6.2.66

12. Partially reinsert axle (B) to hold barrel in place

Fig. 6.2.67

13. Push axle in fully, making sure the hexagon head engages with the hexagon recess. Then reinsert bolt (A) through the legrest assembly



## Removing the armpad cushion from the armrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the armpad cushion from the armrest assembly.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

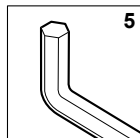
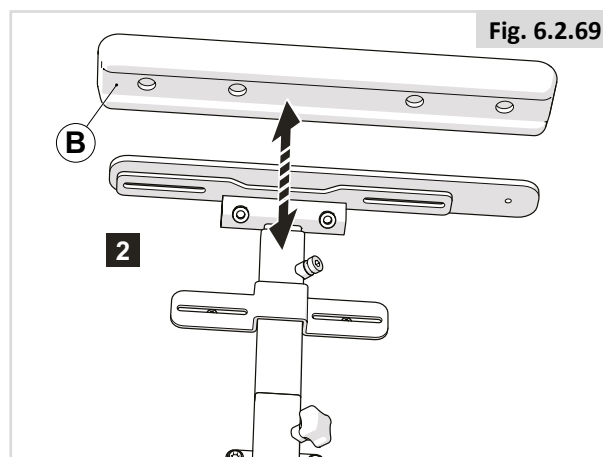
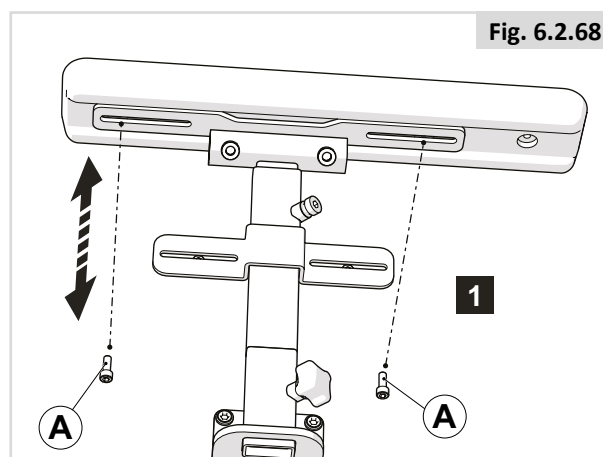


Fig. 6.2.68

1. Unscrew and remove 2 (A) bolts

Fig. 6.2.69

2. Remove armpad cushion (B) from the assembly



## Removing the skirt guard from the armrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the skirt guard from the legrest assembly.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

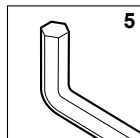


Fig. 6.2.70

1. Unscrew and remove 2 (A) bolts from the skirt guard

Fig. 6.2.71

2. Remove skirt guard (B) from bracket

**NOTE:** Be careful when removing (B) as nuts (C) will be loose, once guard has been removed.

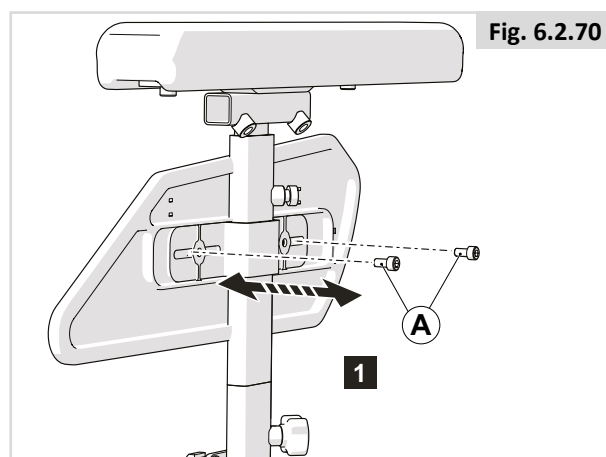


Fig. 6.2.70

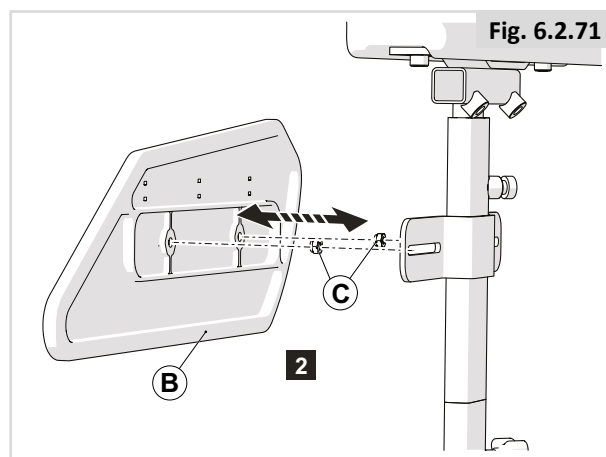


Fig. 6.2.71



## Removing the skirt guard from the armrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the skirt guard from the legrest assembly.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 9Nm.

### Tools used

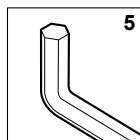


Fig. 6.2.72

1. Unscrew and remove 2 (A) bolts from the base of the armrest assembly into the seat base

Fig. 6.2.73

2. Remove armrest assembly (B) from t-nuts in the seat base

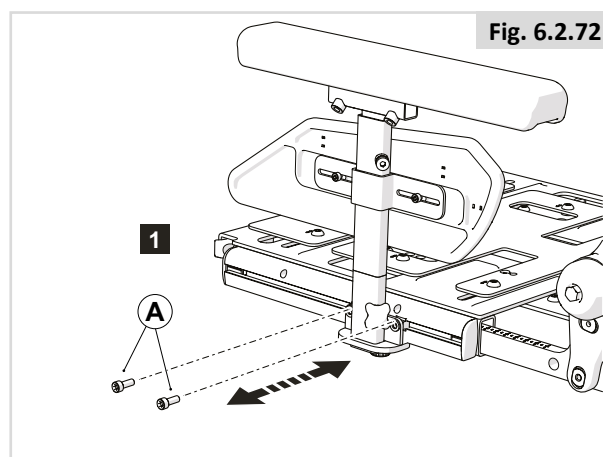


Fig. 6.2.72

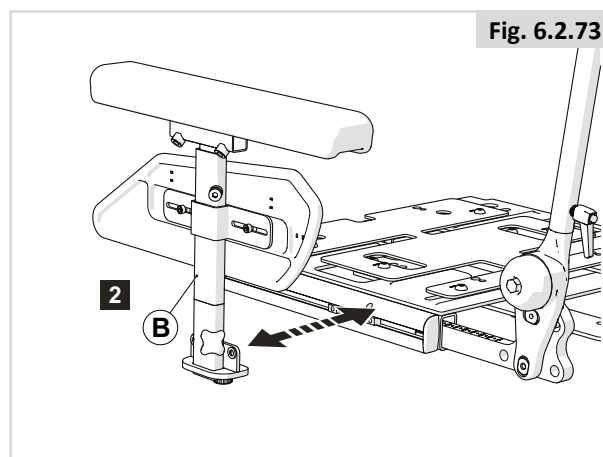


Fig. 6.2.73

## Removing the thigh support from seat base

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the thigh support from the seat base.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 9Nm.

### Tools used

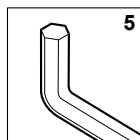
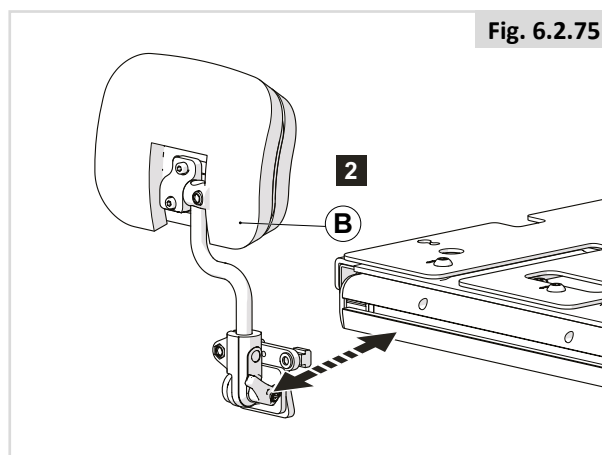
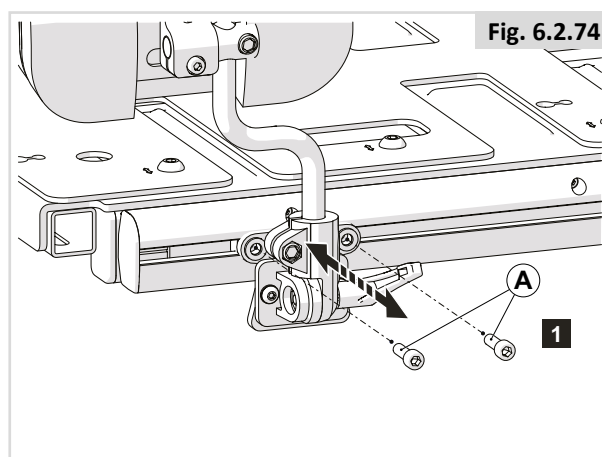


Fig. 6.2.74

1. Unscrew and remove 2 (A) bolts from the t-nuts in the seat rail

Fig. 6.2.75

2. Remove thigh support (B) from t-nuts the seat base



## Removing the cushion from thigh support

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the cushion from the thigh support bracket.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 3Nm.

### Tools used

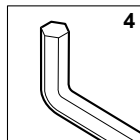


Fig. 6.2.76

1. Unscrew and remove 2 (A) bolts

Fig. 6.2.77

2. Remove cushion (B) from the thigh support bracket

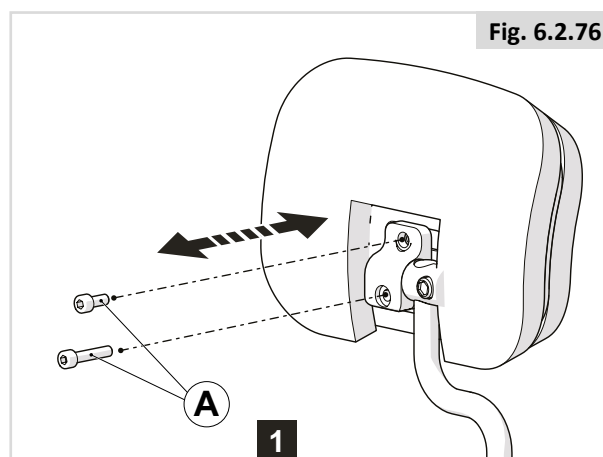


Fig. 6.2.76

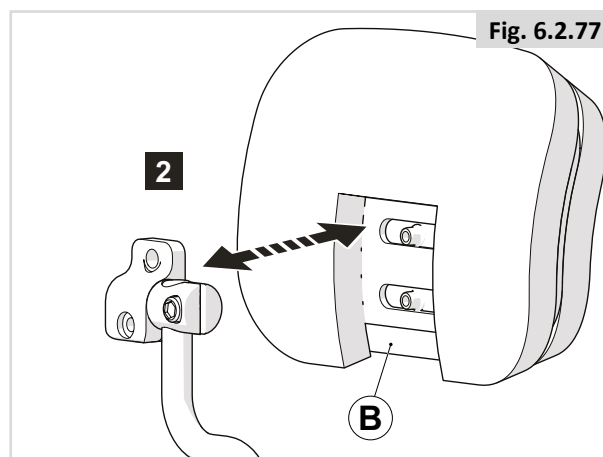
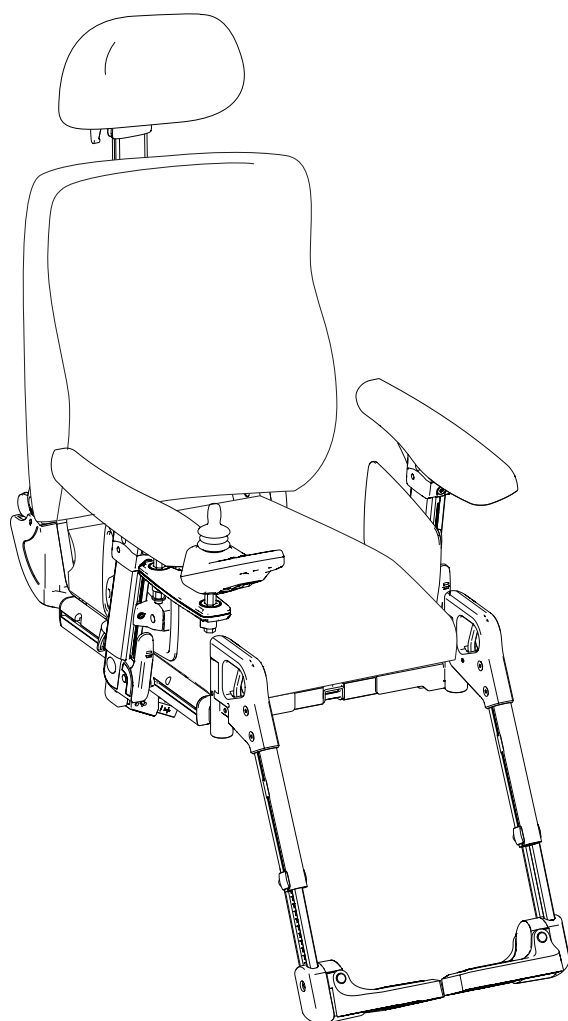


Fig. 6.2.77



# Sedeo Pro

## Seating manual

Service Instructions

## 6.3 Assembling and replacement instructions - Sedeo PRO

### Removing the backrest

#### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

#### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the backrest and seat rail from the seat interface.
- Rebuild the wheelchair in reverse order once completed.
- Disconnect cables before taking apart.
- Tightening torque for bolts is 6Nm.

#### Tools used

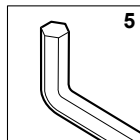


Fig. 6.3.1

1. Unscrew and remove (A) both sides

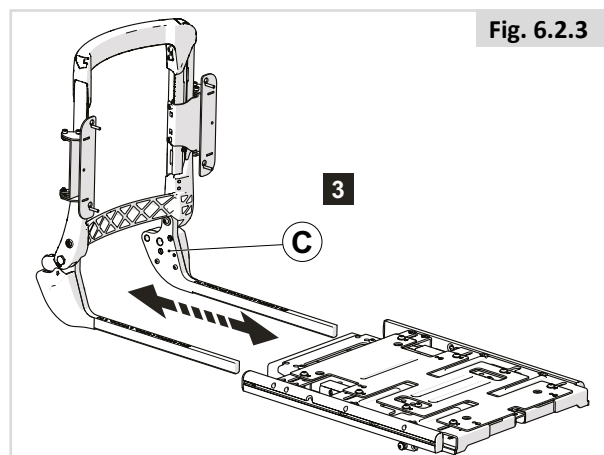
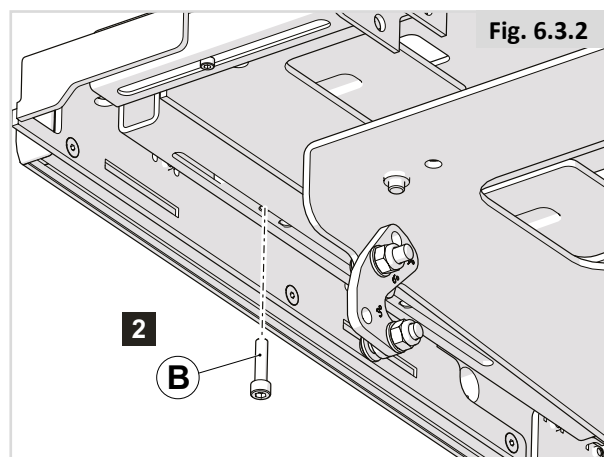
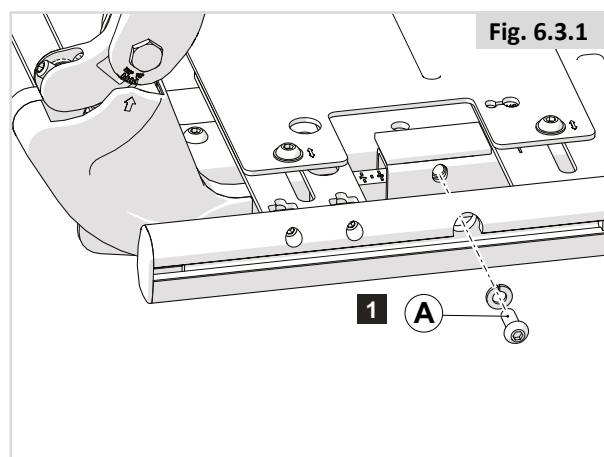
Fig. 6.3.2

2. Unscrew and remove (B) both sides

Fig. 6.3.3

3. Slide out (C)

NOTE: Careful when removing and replacing. Heavy part.



## Shift piece cover removal

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the shift piece cover
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 3Nm.

### Tools used

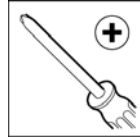


Fig. 6.3.4

1. Unscrew and remove both (A) bolts
2. Remove shift piece cover (B)

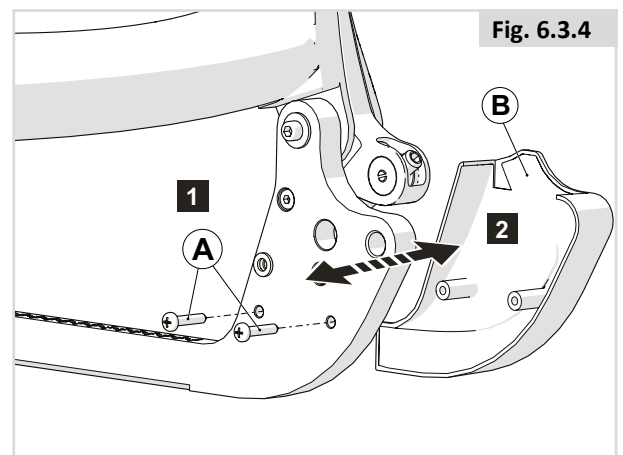


Fig. 6.3.4

## Seat cushion removal from brackets on tool adjustable backrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the seat cushion from brackets on a tool adjustable backrest
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

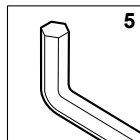


Fig. 6.3.5

1. Unscrew and remove 2 (A) bolts per side
2. Remove cushion from brackets (B)

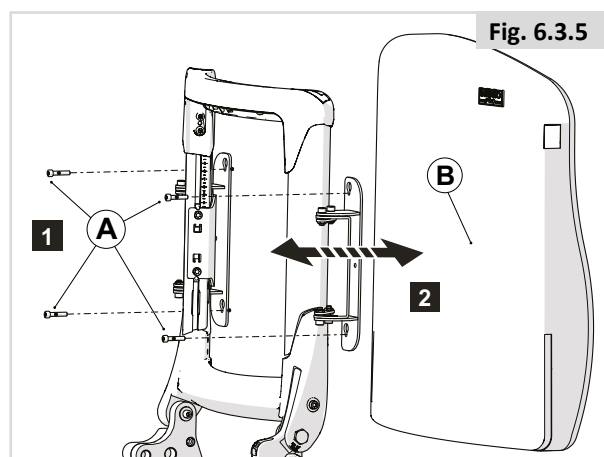


Fig. 6.3.5

## Bracket removal from tool adjustable backrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing brackets from a tool adjustable backrest
- Rebuild the wheelchair in reverse order once completed.
- T-nuts remain in the extrusion, they can be removed through the wider slot section.
- Tightening torque for bolts is 9Nm.

### Tools used

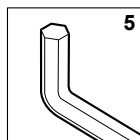


Fig. 6.3.6

1. Unscrew and remove 2 (A) bolts per side

Fig. 6.3.7

2. Remove brackets from backrest frame (B)

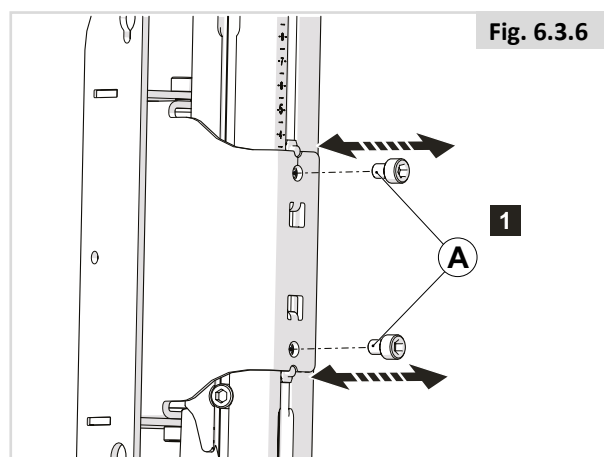


Fig. 6.3.6

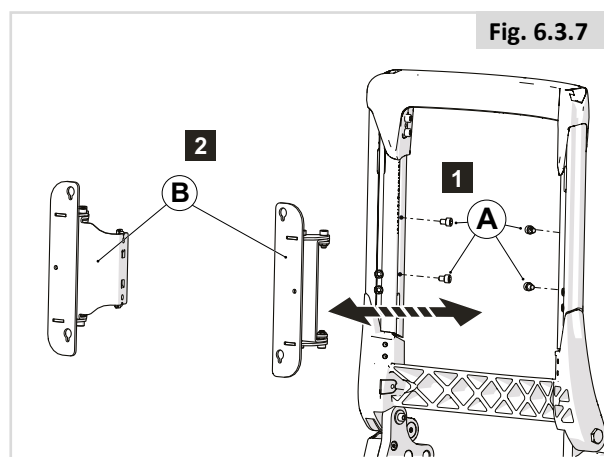


Fig. 6.3.7



## Seat cushion removal from brackets on manual/powered adjustable backrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the seat cushion from brackets on a manual/powered adjustable backrest
- Rebuild the wheelchair in reverse order once completed.
- Disconnect cables before taking apart.
- Tightening torque for bolts is 6Nm.

### Tools used

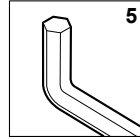
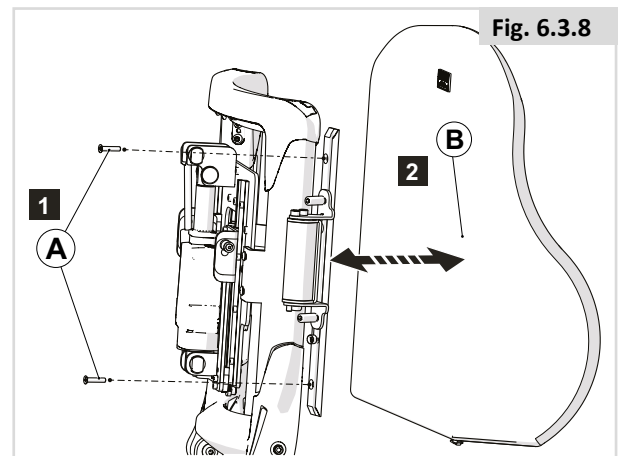


Fig. 6.3.8

1. Unscrew and remove 2 (A) bolts per side
2. Remove cushion from brackets (B)



## Bracket removal from manual/powered adjustable backrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing brackets from a manual/powered adjustable backrest
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 9Nm.

### Tools used

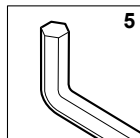
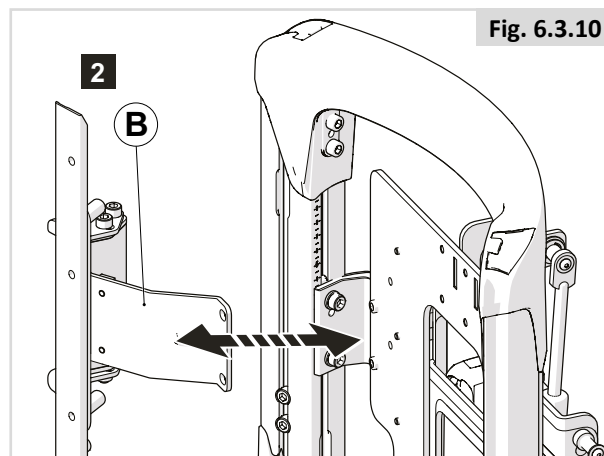
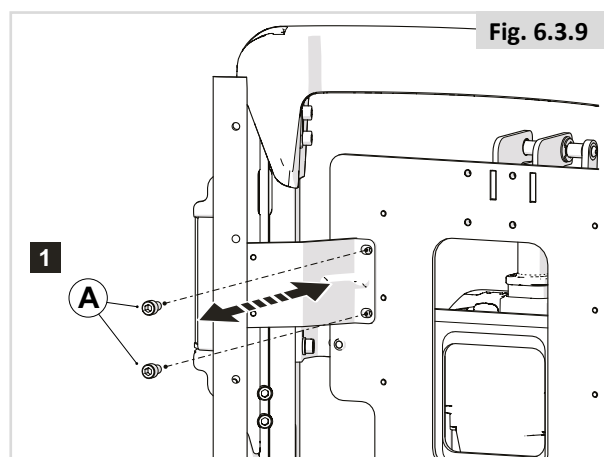


Fig. 6.3.9

1. Unscrew and remove 2 (A) bolts per side

Fig. 6.3.10

2. Remove brackets from backrest frame (B)



## Quick release cushion removed from backrest brackets

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Tools used

N/A

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the seat cushion with quick release system from backrest brackets
- Rebuild the wheelchair in reverse order once completed.

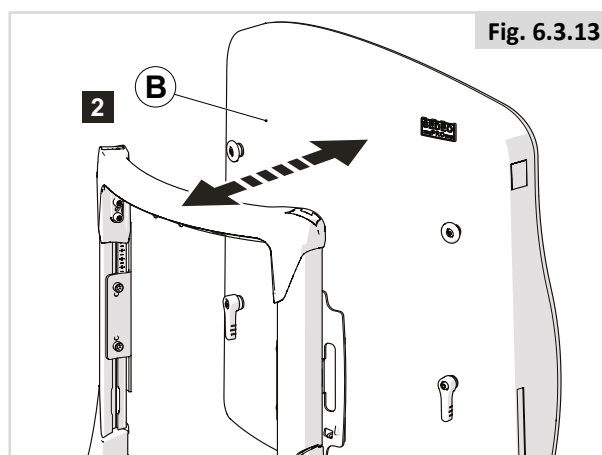
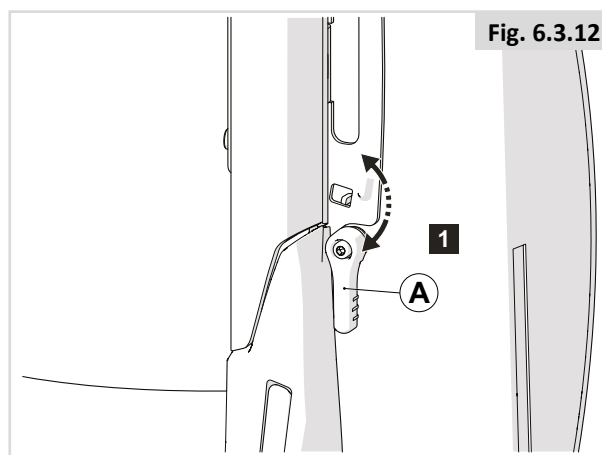
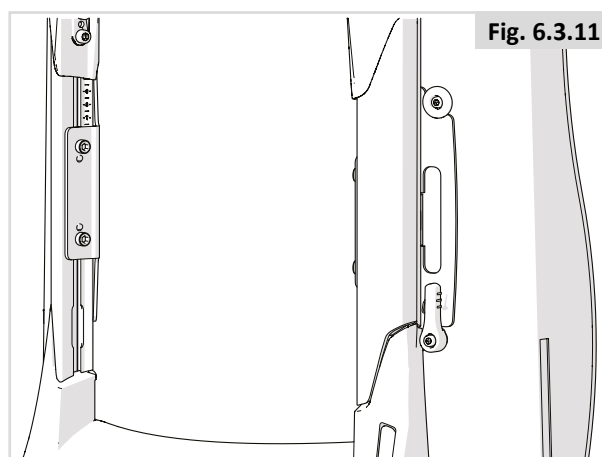
Fig. 6.3.11 shows the starting position with the quick release pin in locked position.

Fig. 6.3.12

1. Turn quick release pin (A) 180° clockwise left side and 180° anti-clockwise right side to unlock

Fig. 6.3.13

2. Lift off cushion (B) from the bracket and remove



## Quick release pin removal from backrest cushion

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the quick release pin from the backrest cushion.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

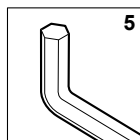


Fig. 6.3.14

(As required)

1. Unscrew and remove (A) and remove (B) from backrest cushion
2. Unscrew and remove (C) and remove (D) from backrest cushion

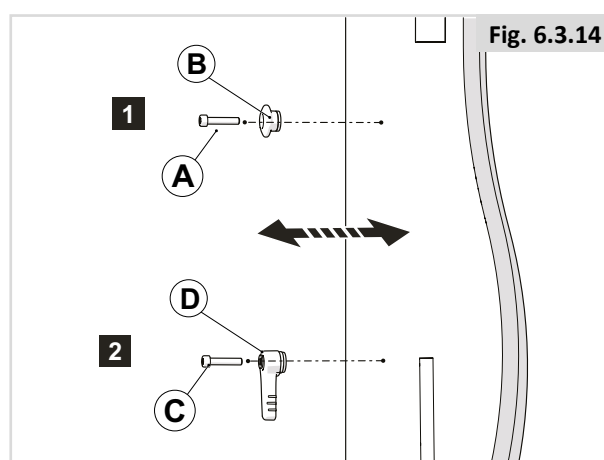


Fig. 6.3.14

## Removal of manual/powered adjustable backrest mechanism from backrest frame

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the backrest unit from the backrest frame.
- Rebuild the wheelchair in reverse order once completed.
- Disconnect cables before taking apart.
- Tightening torque for bolts is 9Nm.

### Tools used

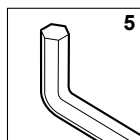
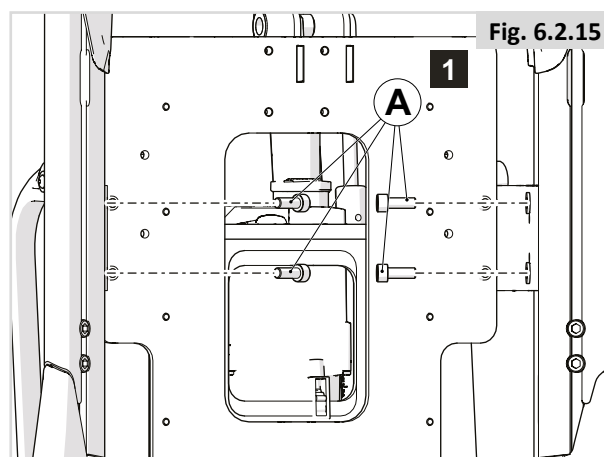


Fig. 6.3.15

1. Remove 2 (A) bolts per side and remove mechanism from backrest frame

NOTE: Careful when removing and replacing. Heavy part.



## Removal of anti-shear mechanism from backrest frame

### Preparation

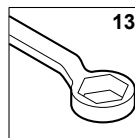
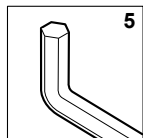
**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the anti-shear backrest unit from the backrest frame.
- Rebuild the wheelchair in reverse order once completed.
- T-nuts remain in the extrusion, they can be removed through the wider slot section.
- Tightening torque for bolts is 9Nm.

### Tools used



Disconnect cables before taking apart.

Fig. 6.3.16

1. Remove the 2 bolts (A) near the top of the unit

Fig. 6.3.17

2. Remove the bolt (B) near the bottom of the unit

Fig. 6.3.18

3. Remove bolt and washer (C)

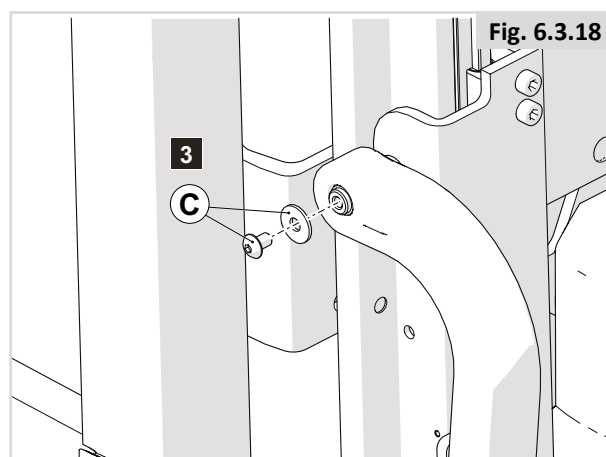
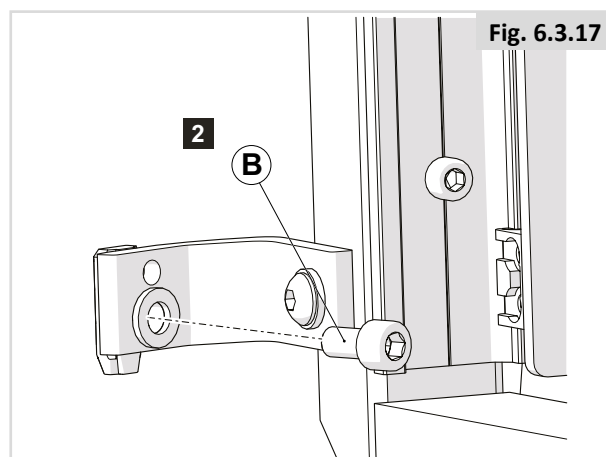
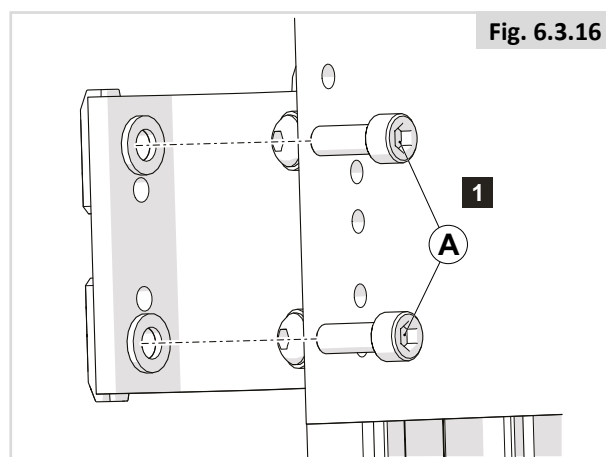


Fig. 6.3.19

4. Remove bolt (D) using the spanner at the base of the arm connecting to the shift piece if required

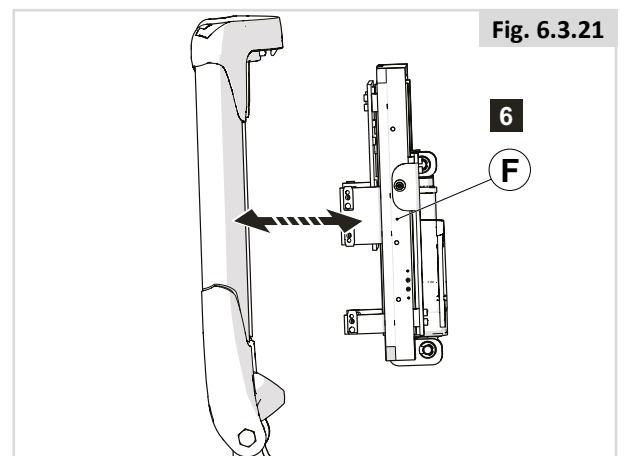
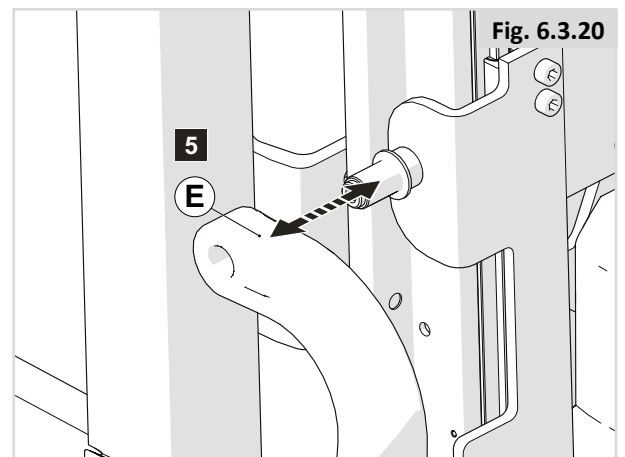
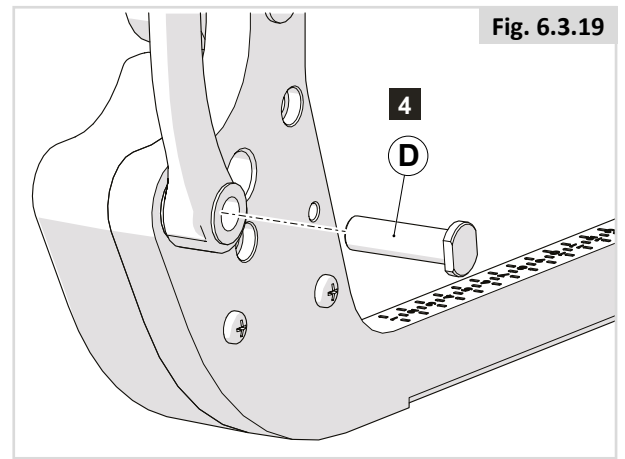
Fig. 6.3.20

5. Remove arm (E) completely from back unit and shift piece if required

Fig. 6.3.21

6. Remove entire anti-shear backrest mechanism (F) from backrest frame

NOTE: Careful when removing and replacing. Heavy part.



## Removal of the actuator from anti-shear backrest mechanism

### Preparation

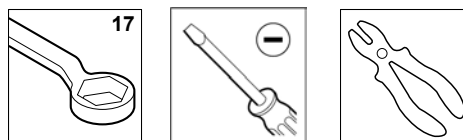
**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the actuator from an anti-shear backrest unit
- Rebuild the wheelchair in reverse order once completed.
- Use small flat screwdriver to remove C-clips and pliers to reinstall.

### Tools used



The preferred situation is that the actuator is extended to its full length prior to dismantling.

Fig. 6.3.22

1. Remove bolt (A) from the bottom of the actuator

Tightening torque for bolts is 9Nm

Fig. 6.3.23

2. Remove C-clip (B) and slide out bolt (C)

Fig. 6.3.24

3. Rotate as indicated to unscrew the gas spring (D) from top bracket

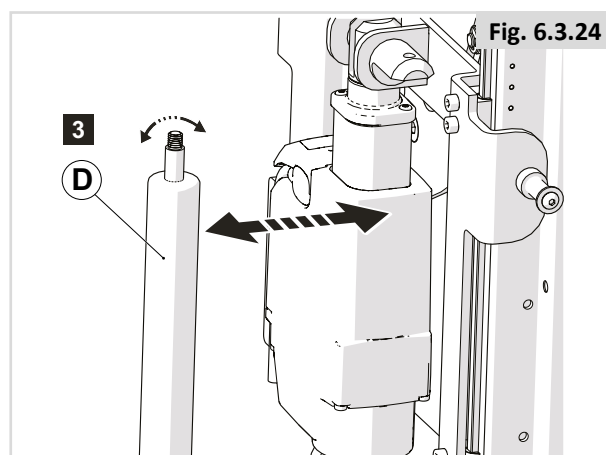
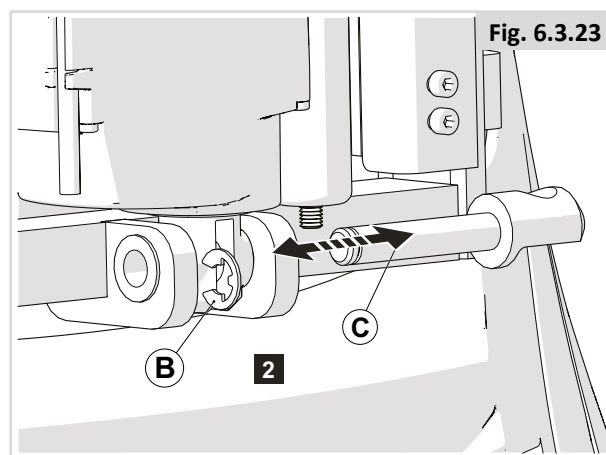
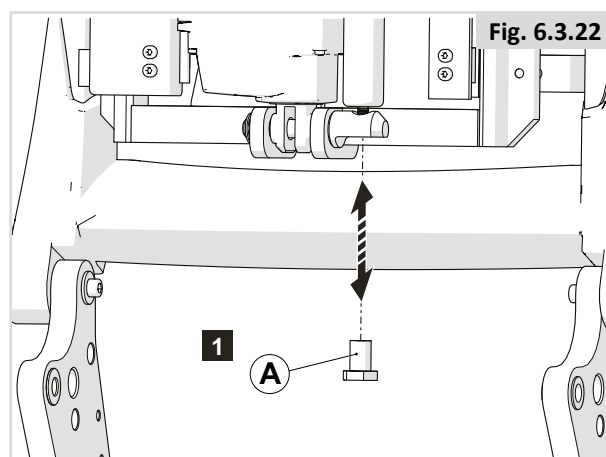




Fig. 6.3.25

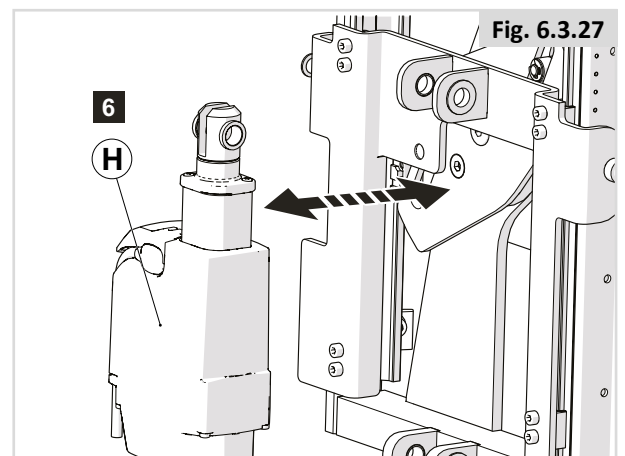
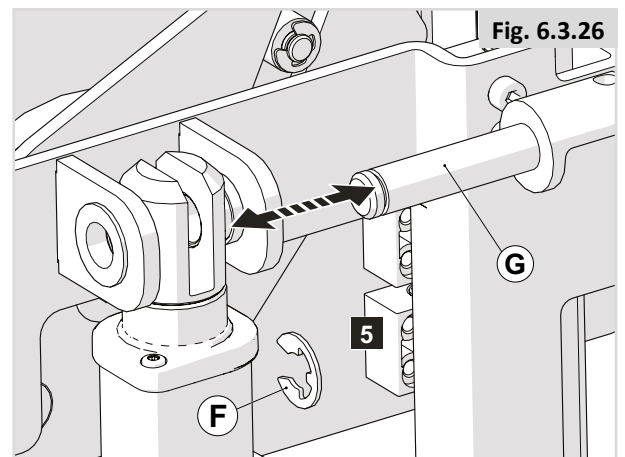
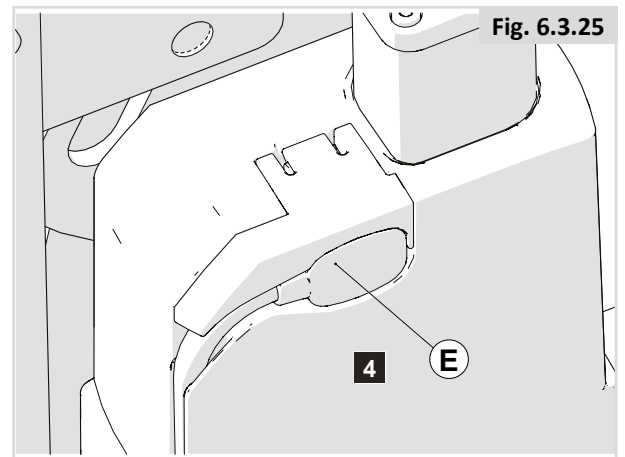
4. Disconnect cable (E) from actuator

Fig. 6.3.26

5. Remove C-clip (F) and slide out bolt (G)

Fig. 6.3.27

6. Remove actuator (H) from mechanism



## Removal of the gas strut from manual adjustable backrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the actuator from a manual adjustable backrest unit
- Rebuild the wheelchair in reverse order once completed.
- Use small flat screwdriver to remove C-clips and pliers to reinstall.
- Tightening torque for bolts is 6Nm.

### Tools used

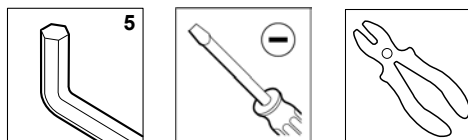


Fig. 6.3.28 shows the starting position of the top bolt

Fig. 6.3.29

1. Remove bolt and washer (A) from the left side of the unit and then slide out bolt (B)

Fig. 6.3.30

2. Removing (C) will allow you to partially remove the gas spring (D)

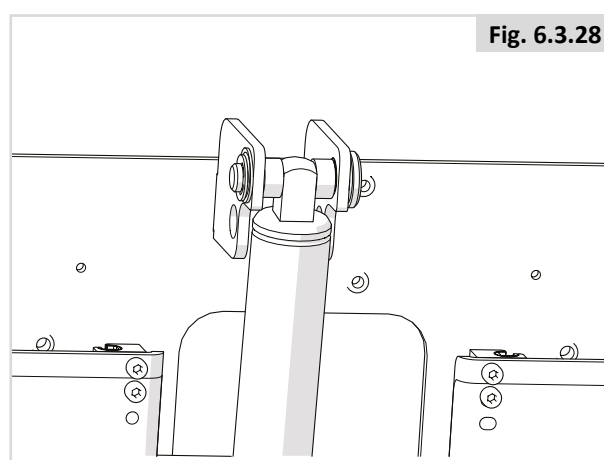


Fig. 6.3.28

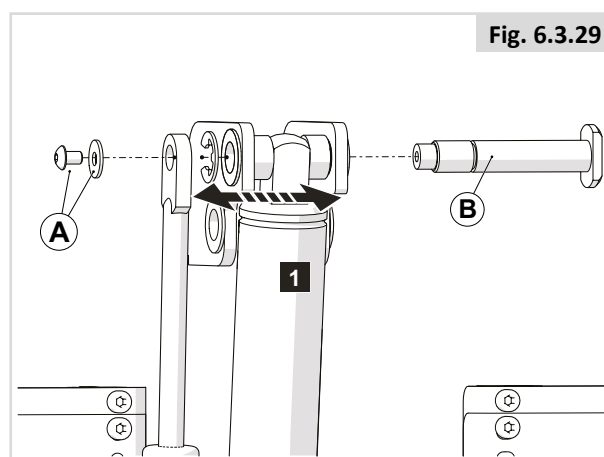


Fig. 6.3.29

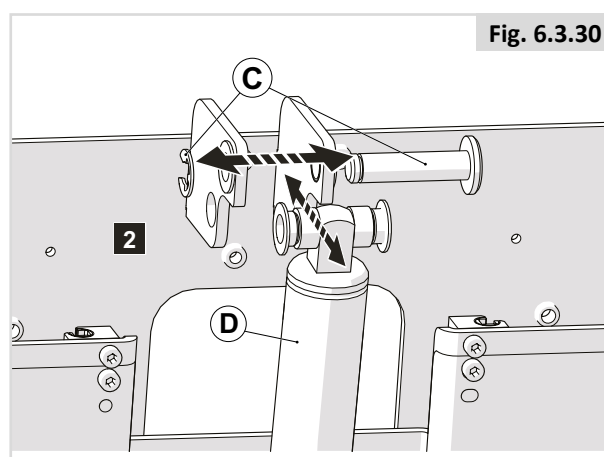


Fig. 6.3.30

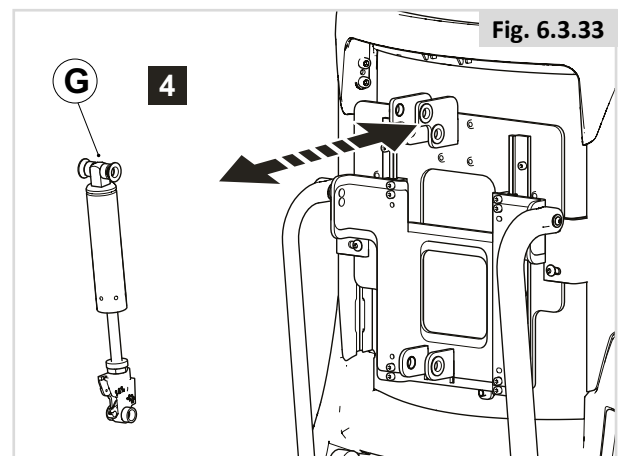
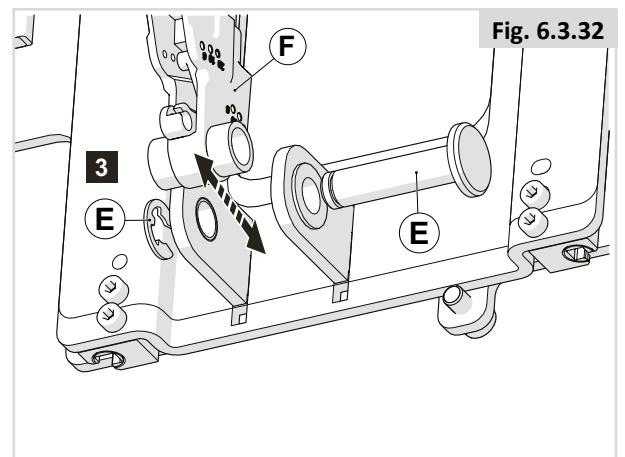
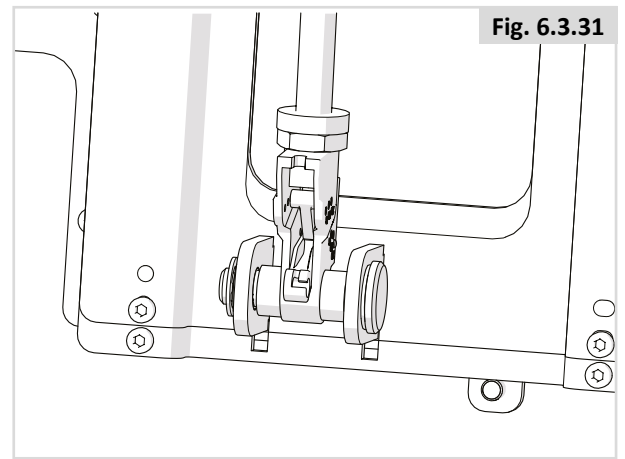
Fig. 6.3.31 shows the starting of the bottom bolt

Fig. 6.3.32

3. Remove C-clip and bolt (E) and remove gas spring (F)

Fig. 6.3.33

4. Gas spring (G) removed from backrest



## Removal of the actuator from powered adjustable backrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the actuator from a powered adjustable backrest unit
- Rebuild the wheelchair in reverse order once completed.
- Disconnect cables before taking apart.
- Use small flat screwdriver to remove C-clips and pliers to reinstall.

### Tools used

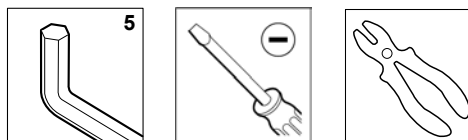


Fig. 6.3.34 shows the starting position of the top bolt

Fig. 6.3.35

1. Remove bolt and C-clip, then slide out top bolt (A) from the left side of the unit. Then remove C-clip and slide out bolt (B)

Fig. 6.3.36

2. Removing the bolts will allow you to partially remove the gas strut (C) and actuator (D)

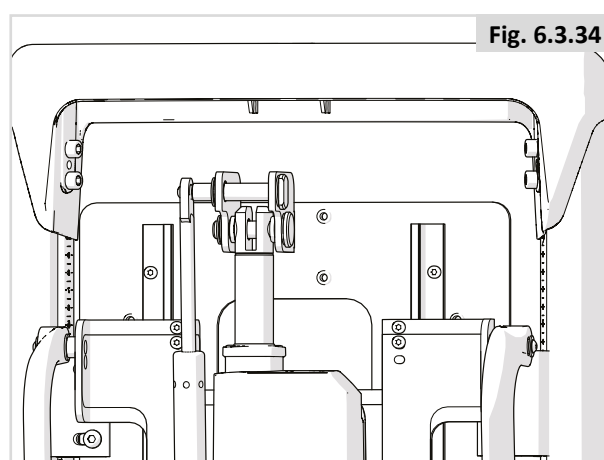


Fig. 6.3.34

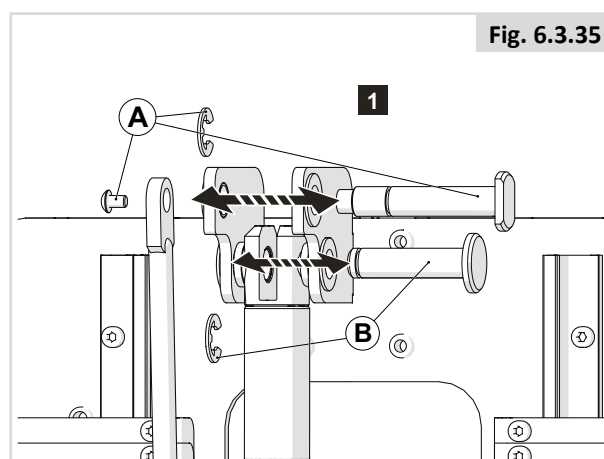


Fig. 6.3.35

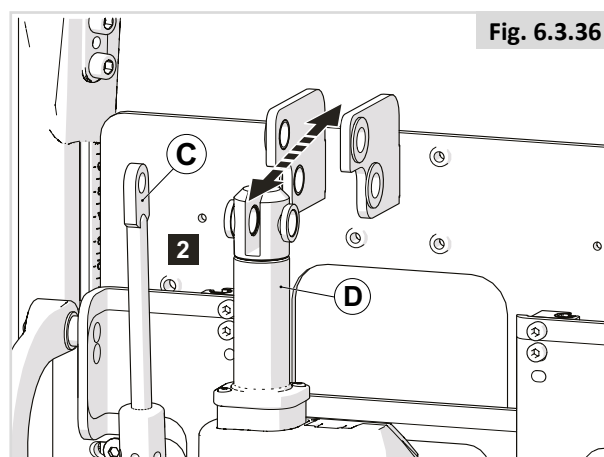


Fig. 6.3.36

NOTE: Disconnect cable from actuator first.

Fig. 6.3.37

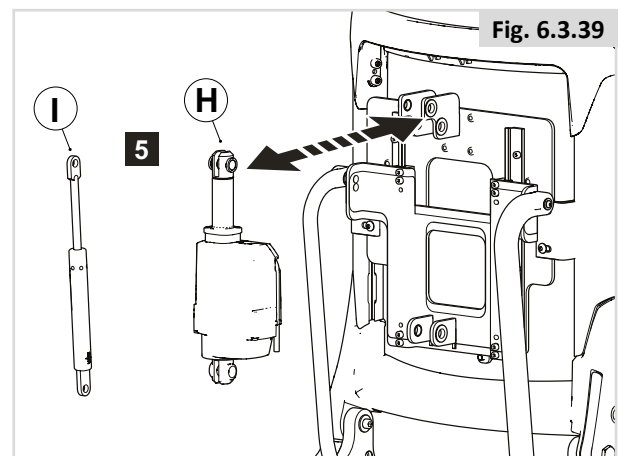
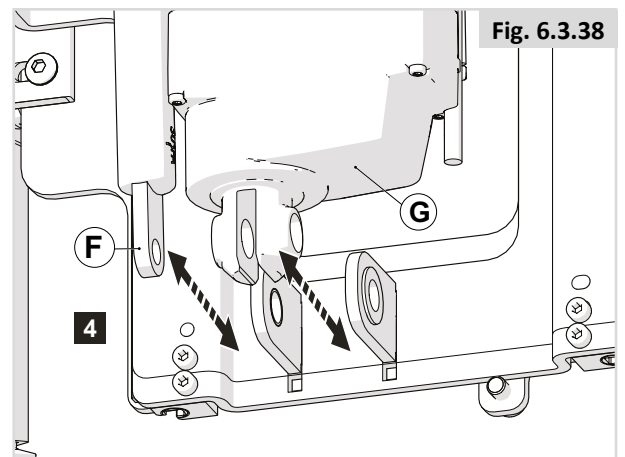
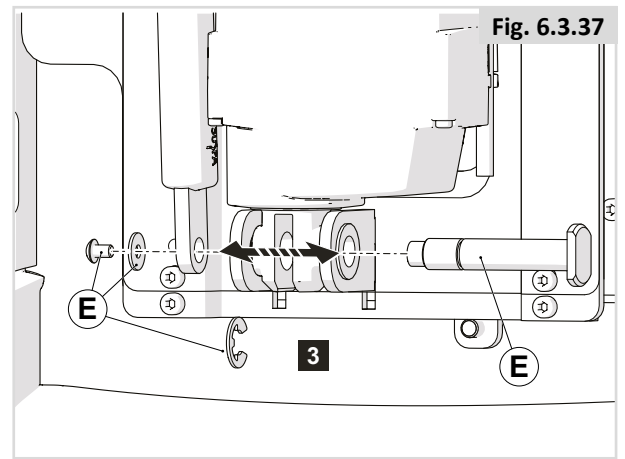
3. Remove C-clip and bolt (E)

Fig. 6.3.38

4. Removing the bolts will allow you to remove the gas strut (F) and actuator (G)

Fig. 6.3.39

5. Gas strut (H) and actuator (I) removed from backrest



## Removal of headrest mount and bracket from backrest frame

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the headrest mount and bracket from the backrest frame.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 4Nm.

### Tools used

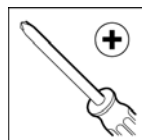


Fig. 6.3.40

1. Remove 4 (A) bolts

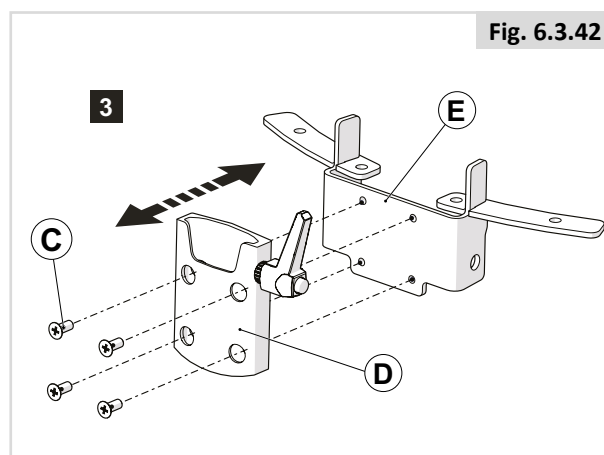
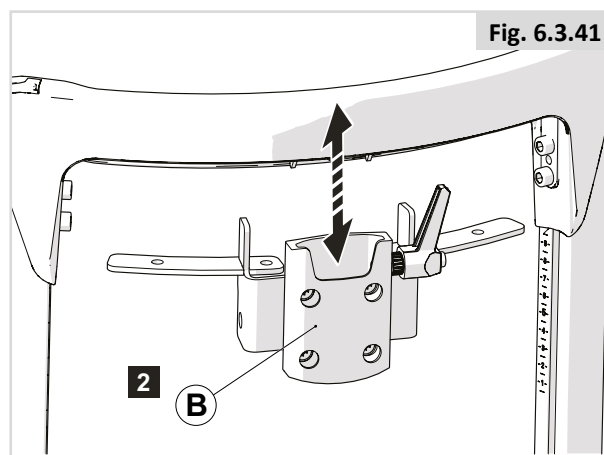
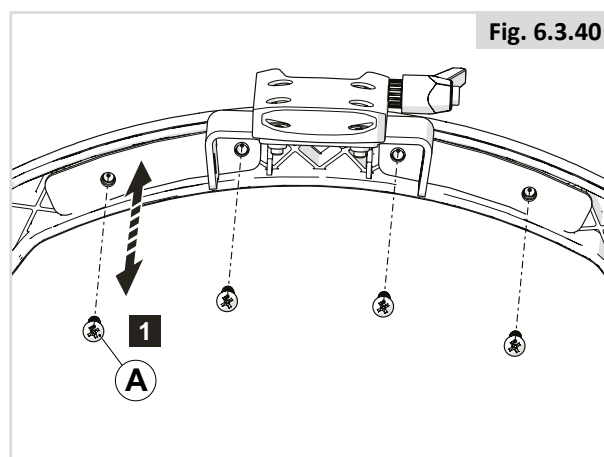
Fig. 6.3.41

2. Unscrew and remove mount and bracket (B) from backrest frame

### To remove mount from bracket

Fig. 6.3.42

3. Unscrew and remove 4 (C) bolts and pull mount (D) from bracket (E)



## Removal of lateral thoracic support

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the lateral thoracic support
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

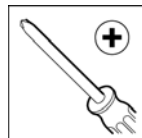


Fig. 6.3.43 shows the starting position of the lateral thoracic support attached to the backrest frame

Fig. 6.3.44

1. Unscrew and remove 2 x (A) bolts from the backrest mounting brackets (these are screwed into the backrest cushion)

Fig. 6.3.45

2. Remove backrest cushion (B)
3. Remove lateral thoracic support (C)

Fig. 6.3.43

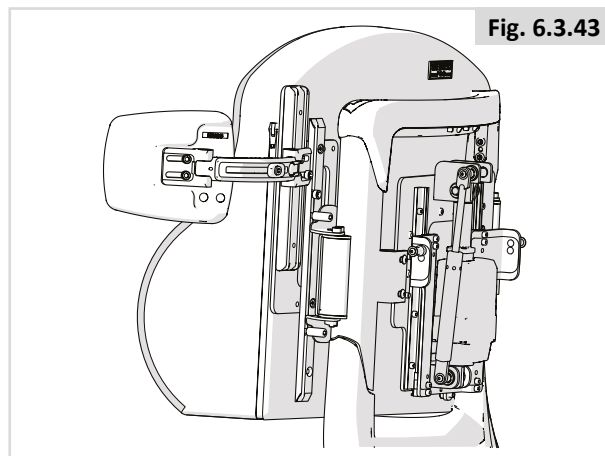


Fig. 6.3.44

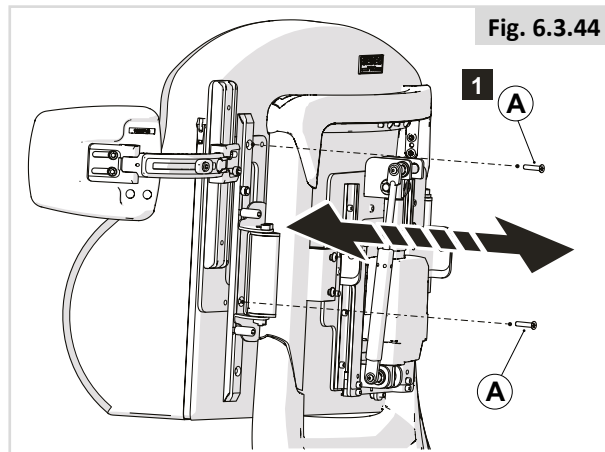
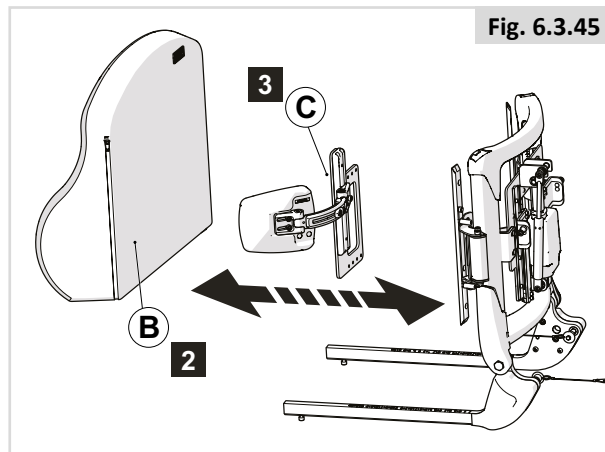


Fig. 6.3.45



## Removal of the skirtguard from armrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the skirtguard from the armrest
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

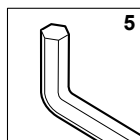


Fig. 6.3.46

1. Remove 2 (A) bolts from skirtguard

Fig. 6.3.47

2. Once (A) bolts are removed, then the skirtguard (B) can be removed from bracket attached to the armrest

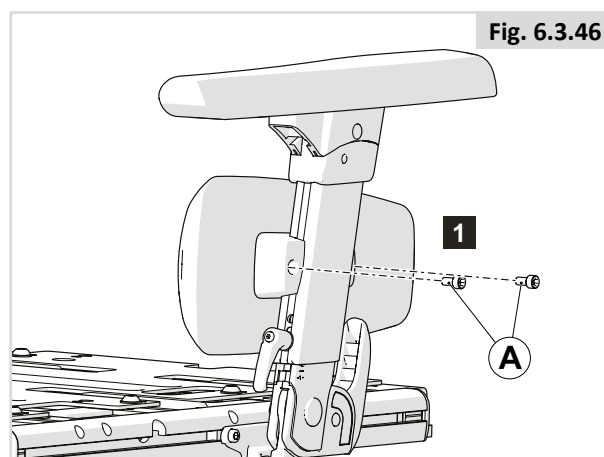


Fig. 6.3.46

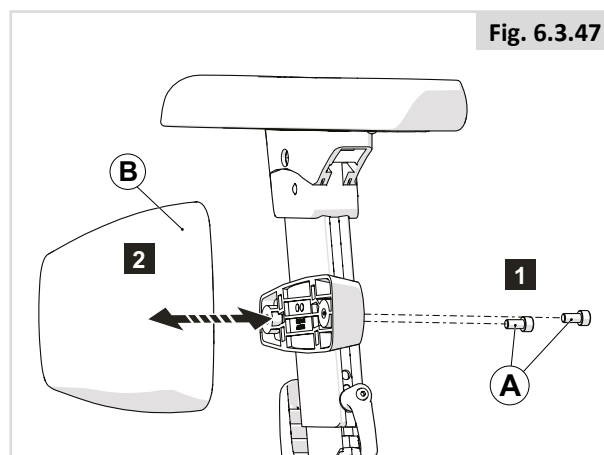


Fig. 6.3.47



## Removal of entire armrest unit with bracket from seat plate

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the entire armrest unit from the seat plate.
- Rebuild the wheelchair in reverse order once completed.
- Remove cable-ties securing controller cable before taking apart.
- Tightening torque for bolts is 9Nm.

### Tools used

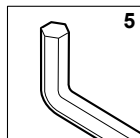
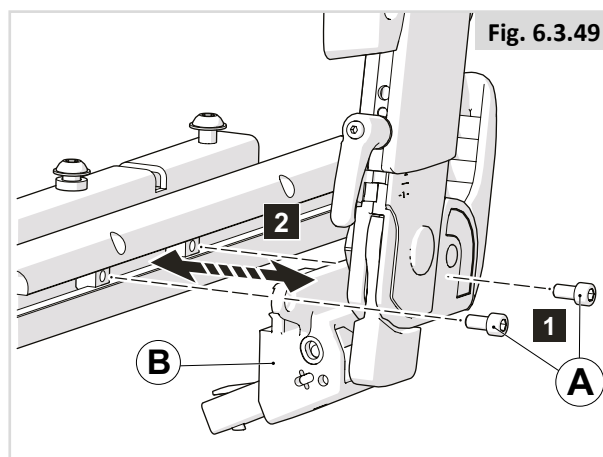
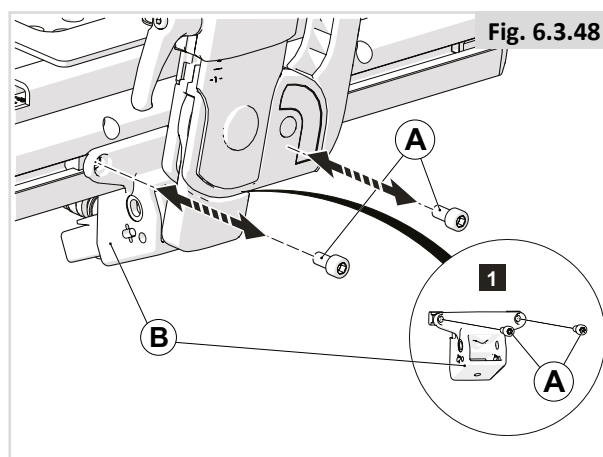


Fig. 6.3.48

1. Remove bolts (A) from bracket attached to seat plate (B)

Fig. 6.3.49

2. Remove entire armrest unit (B) from seat plate



## Removal of armrest unit from bracket

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the armrest from the bracket attached to the seat plate.
- Rebuild the wheelchair in reverse order once completed.
- Disconnect cables before taking apart.
- Tightening torque for bolts is 9Nm.

### Tools used

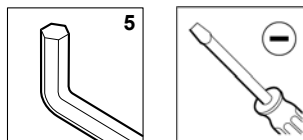
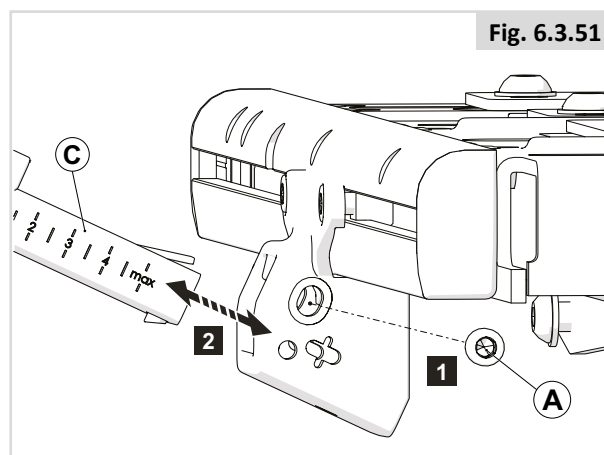
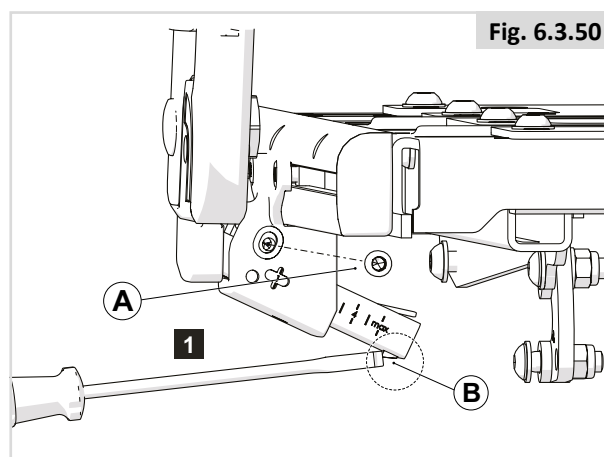


Fig. 6.3.50

1. Unscrew and remove (A) and, using a screwdriver, press and hold in black plunger (B)

Fig. 6.3.51

2. Whilst pressing and holding the black plunger, pull out entire armrest unit from bracket (C)



## Removal of upper armrest section from lower section

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for removing the upper armrest section from the lower section.
- Rebuild the wheelchair in reverse order once completed.
- Remove cable-ties securing controller cable before taking apart.

### Tools used

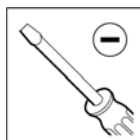


Fig. 6.3.52

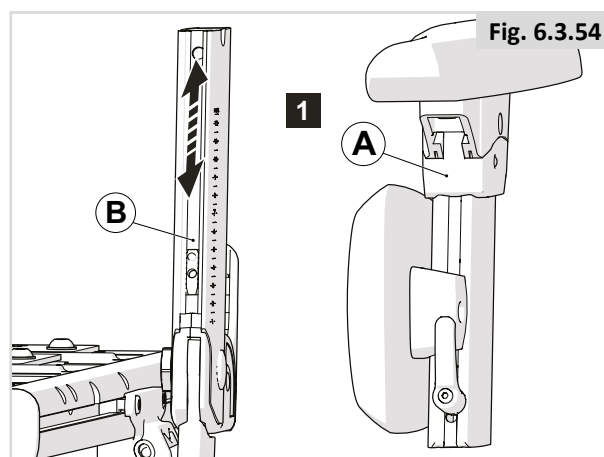
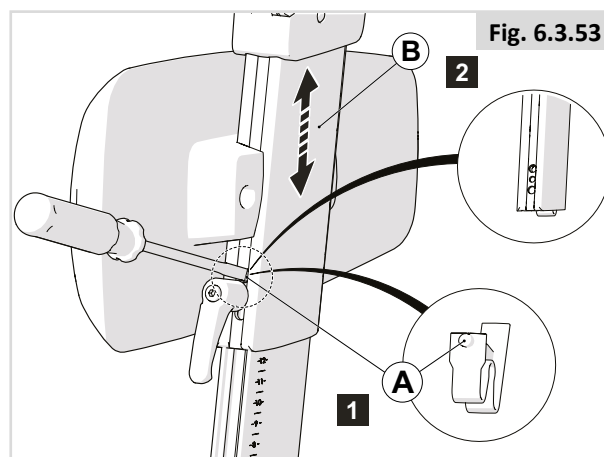
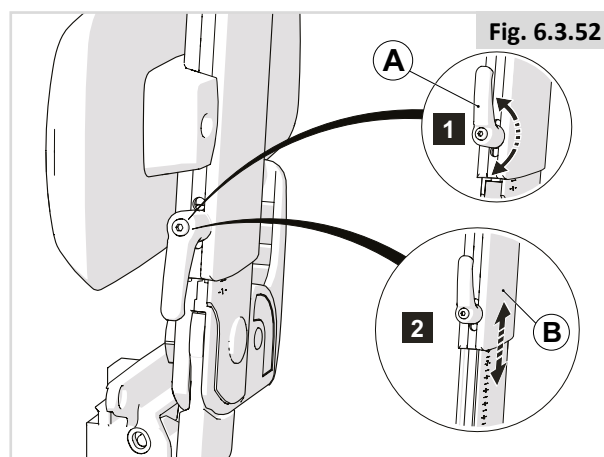
1. Loosen locking lever (A) and slide upper section upwards (B)

Fig. 6.3.53

2. Use a screwdriver to press the black plunger in (A), once pressed down and held, lift the upper section from the lower section

Fig. 6.3.54

3. Remove the upper section from the lower section



## Removal of armrest pad from armrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the armrest pad from the armrest
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

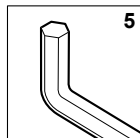


Fig. 6.3.55

1. Unscrew and remove both (A) bolts

Fig. 6.3.56

2. Lift and remove (B) off armrest

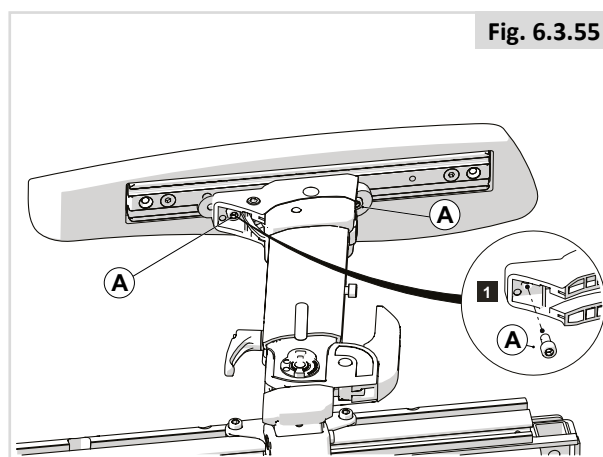


Fig. 6.3.55

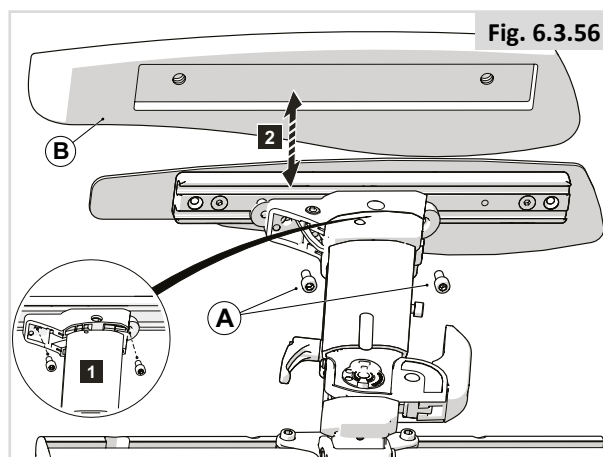


Fig. 6.3.56

## Removing reclining armrest parts

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for taking apart a reclining armrest.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

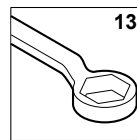
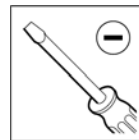
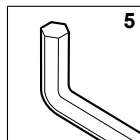


Fig. 6.3.57

1. Use a screwdriver to remove pivot cap (A)

Fig. 6.3.58

2. Remove bolt (B) using the spanner and washer (C)

Tightening torque for bolts is 15Nm

Fig. 6.3.59

3. Remove the concave washer (D) from the armrest also.

(Please note the orientation of the washer when replacing)

Fig. 6.3.57

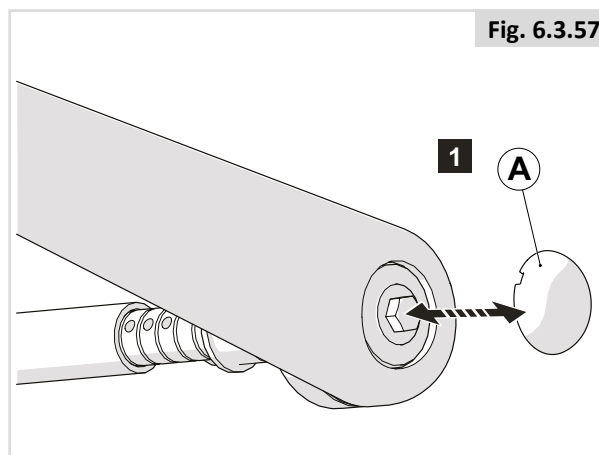


Fig. 6.3.58

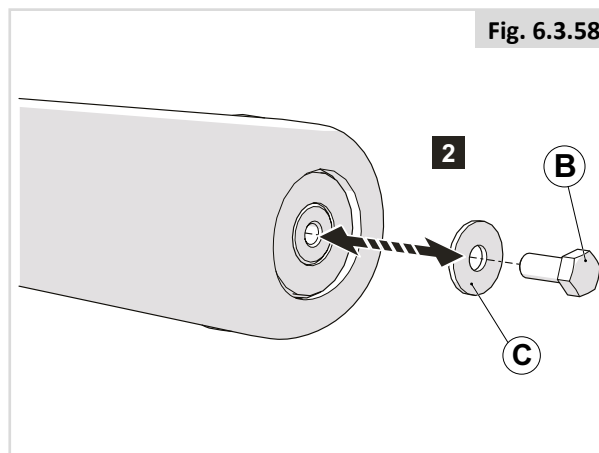


Fig. 6.3.59

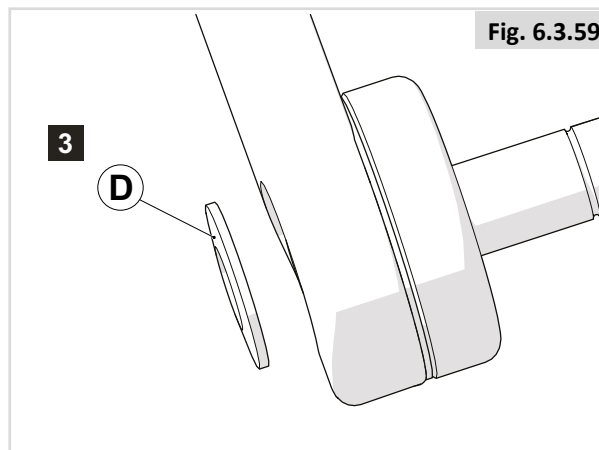


Fig. 6.3.60

4. Remove armrest arm (E) from axle, the concave washer will come away at the same time (Please note the orientation when reassembling)

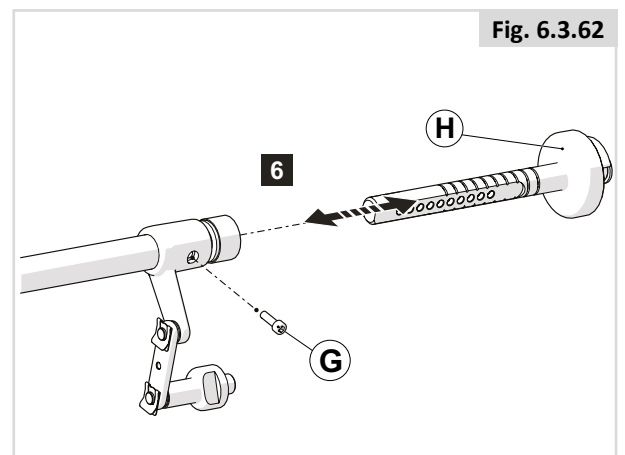
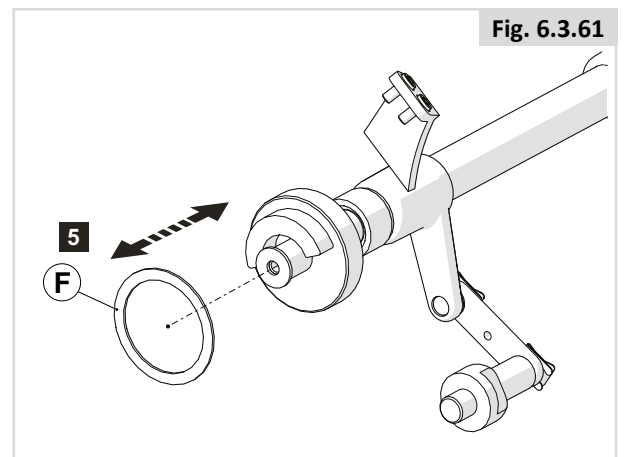
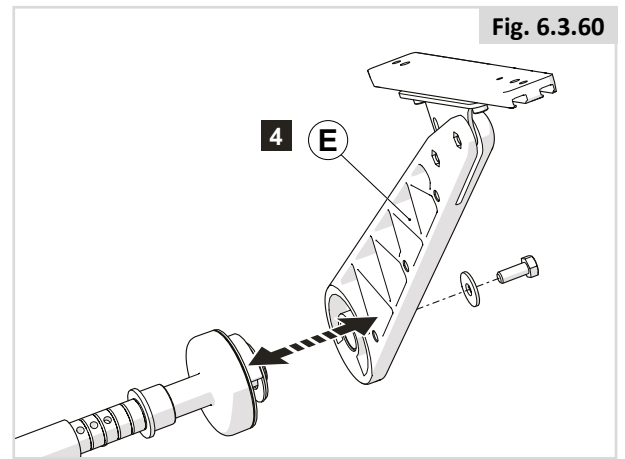
Fig. 6.3.61

5. Remove washer (F)

Fig. 6.3.62

6. Unscrew and remove bolt (G), then remove axle (H) from main frame

Tightening torque for bolts is 9Nm



## Quick release mechanism used on a reclining armrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instruction for taking apart the quick release system used on a reclining armrest.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

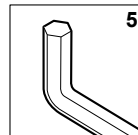
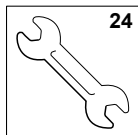


Fig. 6.3.63

1. Press button and pull out quick release pin (A)

Fig. 6.3.64

2. Unscrew and remove screws (B) for wire to be changed

Tightening torque for bolts is 9Nm

Fig. 6.3.65

3. To remove reclining armrest link mechanism, unscrew the quick release mechanism (C) from the shift piece using the spanner.

Tightening torque for bolts is 20Nm

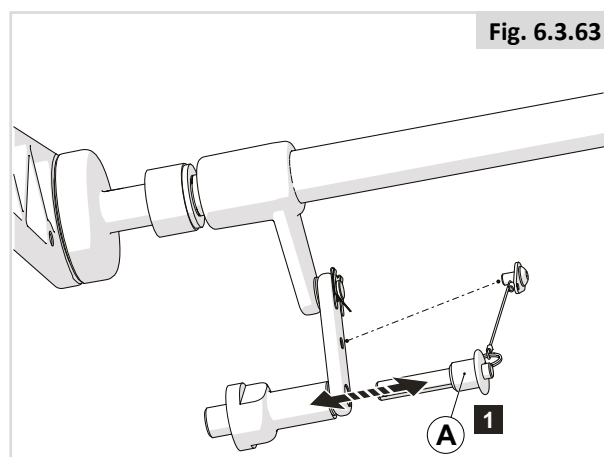


Fig. 6.3.63

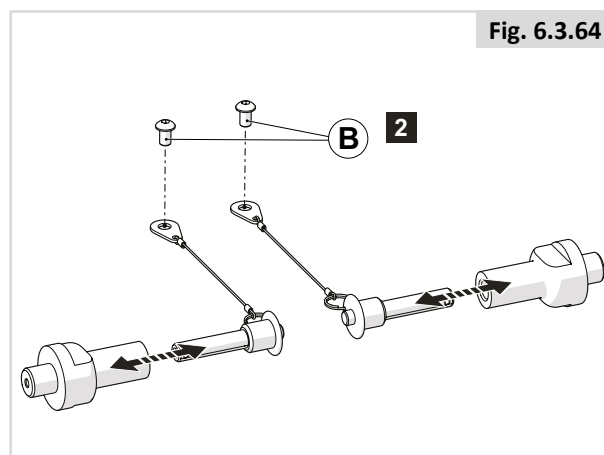


Fig. 6.3.64

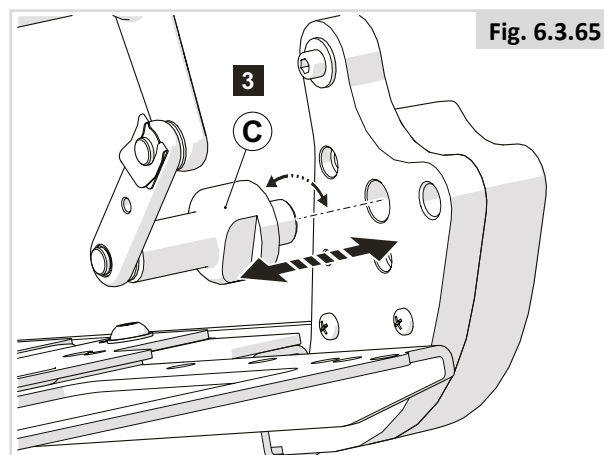
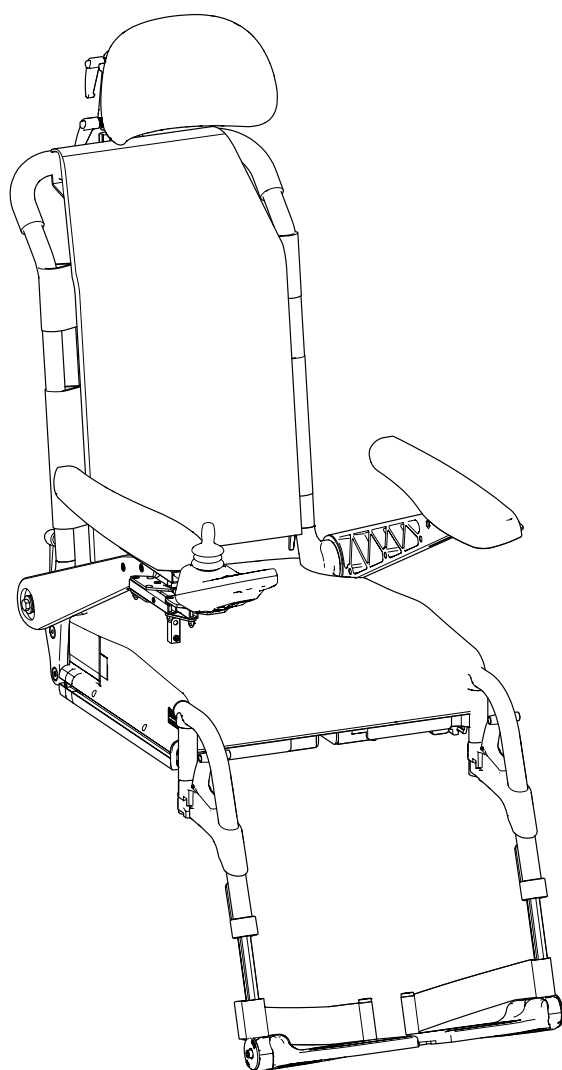


Fig. 6.3.65



# Sedeo Lite

## Seating manual

Service Instructions



## 6.4 Assembling and replacement instructions - Sedeo LITE

### Removing the legrest clamp

#### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

#### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the legrest clamp from the legrest assembly.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 9Nm.

#### Tools used

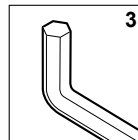
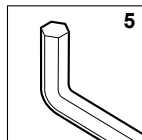


Fig. 6.4.1

1. Unscrew and remove (A)

Fig. 6.4.2

2. Unscrew and remove 2 (B) bolts

Fig. 6.4.3

3. Slide out (C) and remove (D) from the legrest assembly

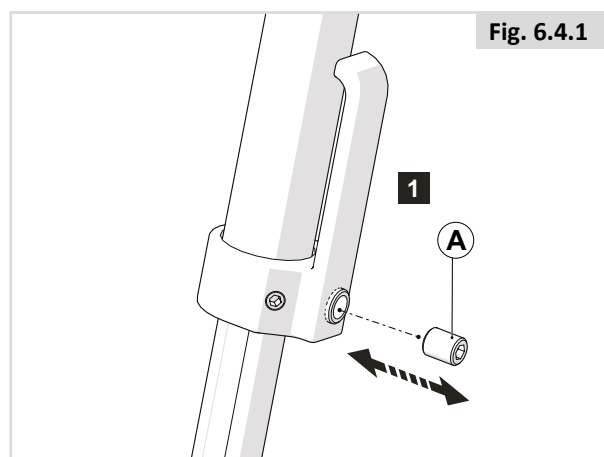


Fig. 6.4.1

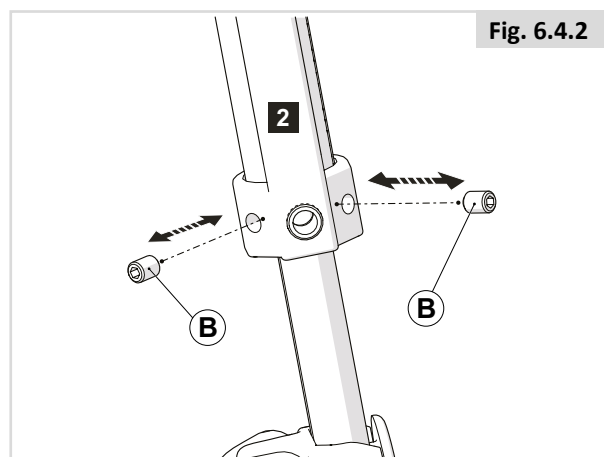


Fig. 6.4.2

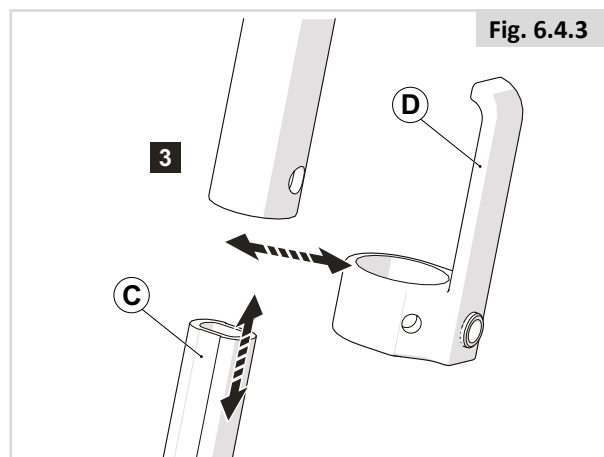


Fig. 6.4.3

## Removing the release mechanism

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the release mechanism from the legrest assembly.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 4Nm.

### Tools used

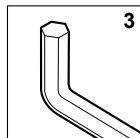


Fig. 6.4.4

1. Unscrew and remove (A)

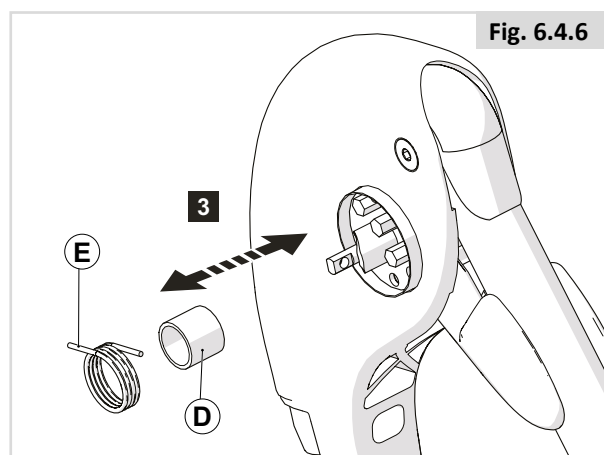
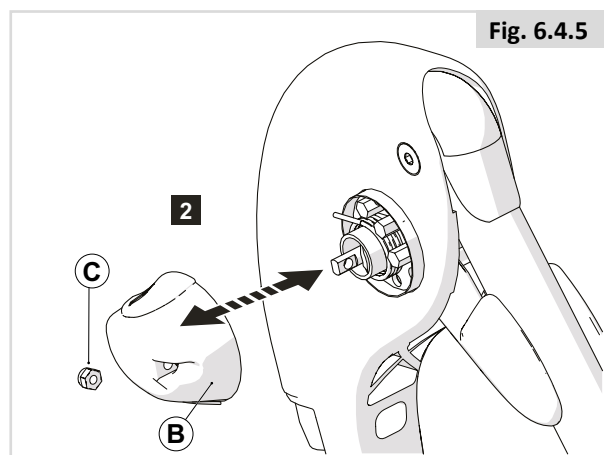
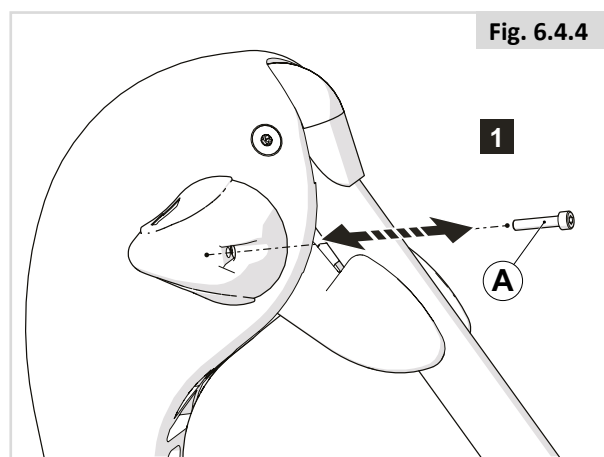
Fig. 6.4.5

2. Remove plastic cover (B)

**NOTE:** Be careful when removing (B) as nut (C) will be loose within cap, once bolt has been removed.

Fig. 6.4.6

3. Remove bush (D) and spring (E) from legrest assembly



## Removing the release lever

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the release lever from the legrest assembly.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

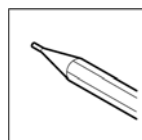


Fig. 6.4.7

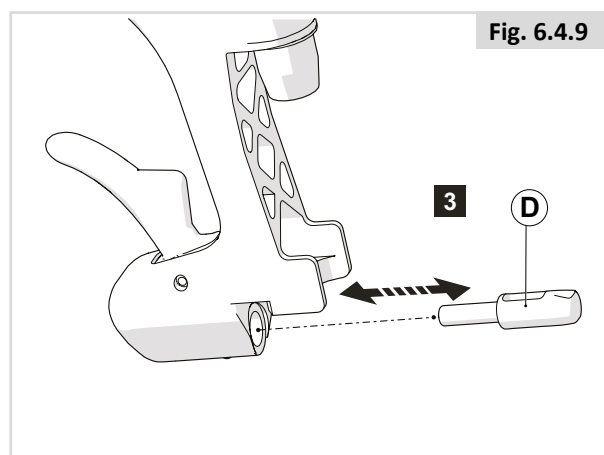
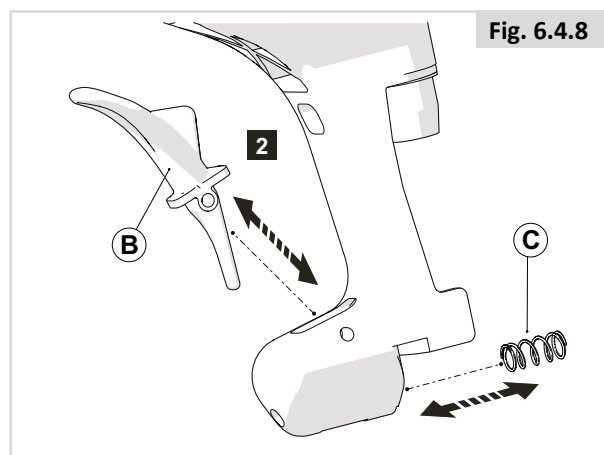
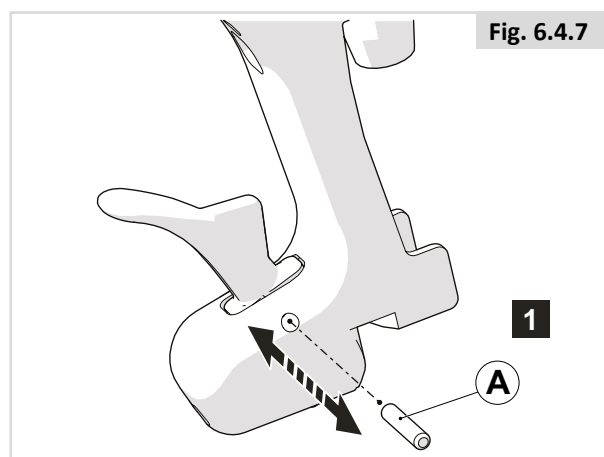
1. Use a punch to remove the axle (A) to release the lever

Fig. 6.4.8

2. Remove release lever (B) from legrest assembly and spring (C)

Fig. 6.4.9

3. Pull out and remove (D)



## Removing the calf pad

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the calf pad from the legrest assembly.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

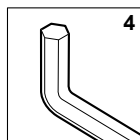
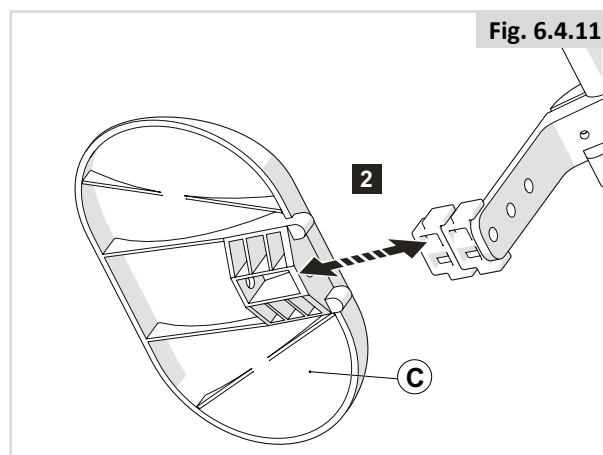
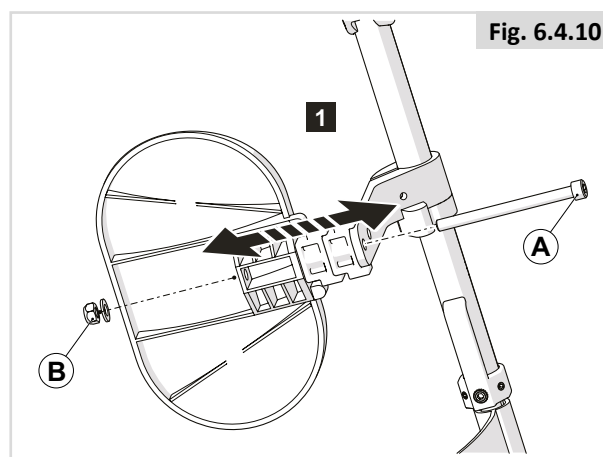


Fig. 6.4.10

1. Unscrew and remove (A) bolt, washer and nut (B)

Fig. 6.4.11

2. Remove calf pad (C) from legrest bracket



## Removing the knee pad

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the knee pad from the legrest assembly.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

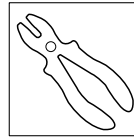
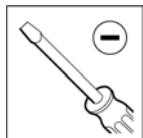


Fig. 6.4.12

1. Using a screwdriver, unclip (A) and remove cushion (B)

Fig. 6.4.13

2. Remove 3 (C) bolts using the pliers to grip

Fig. 6.4.14

3. Remove other knee pad component (D) for full replacement

Fig. 6.4.12

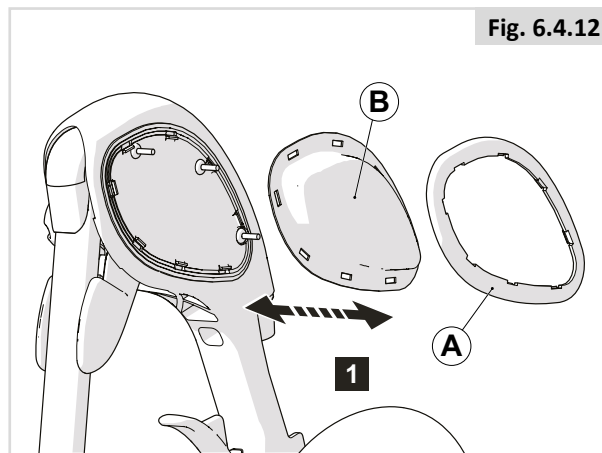


Fig. 6.4.13

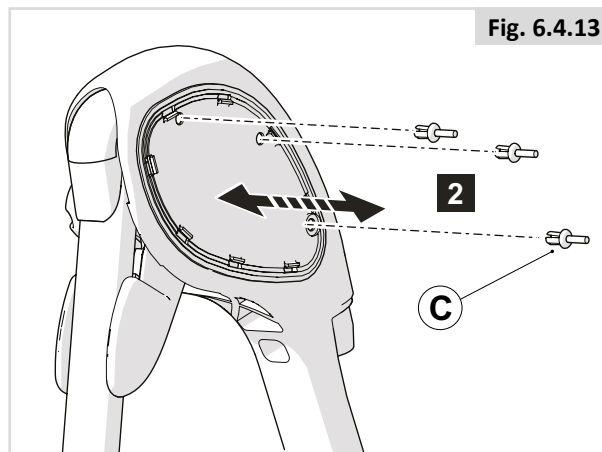
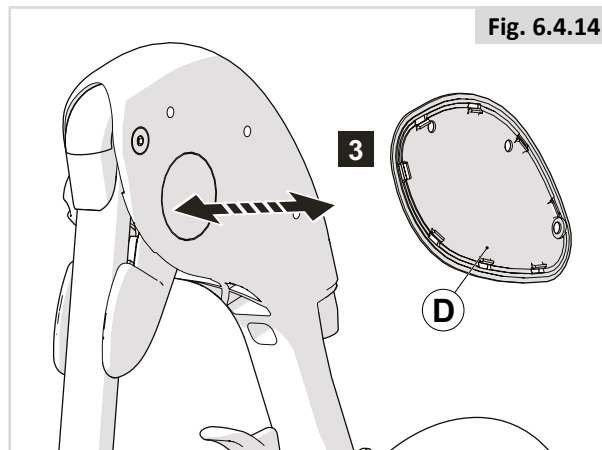


Fig. 6.4.14



## Removing the backrest plastic cover

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the backrest plastic cover.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 15Nm.

### Tools used

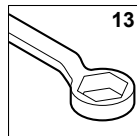
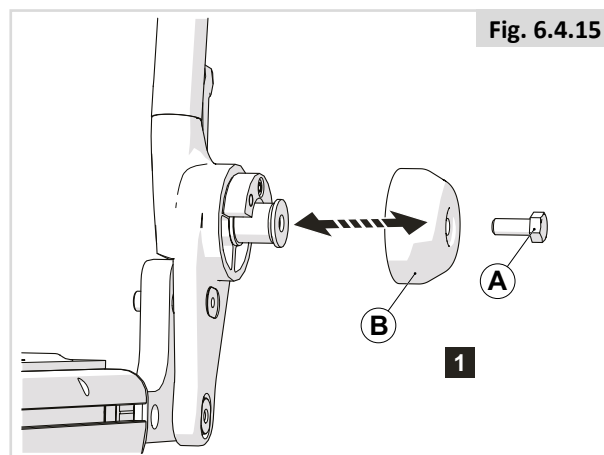


Fig. 6.4.15

1. Unscrew and remove (A), then remove plastic cover (B)



## Removing the sideguard

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the sideguard from the seat base.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 9Nm.

### Tools used

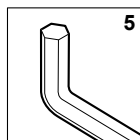


Fig. 6.4.16

1. Unscrew and remove 2 (A) bolts

Fig. 6.4.17

2. Remove sideguard (B) from the seat base

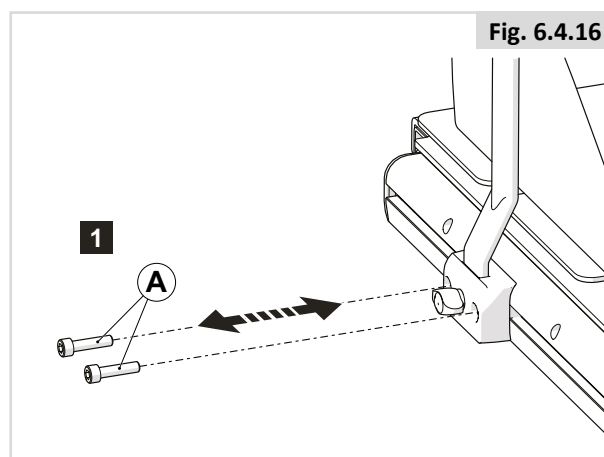


Fig. 6.4.16

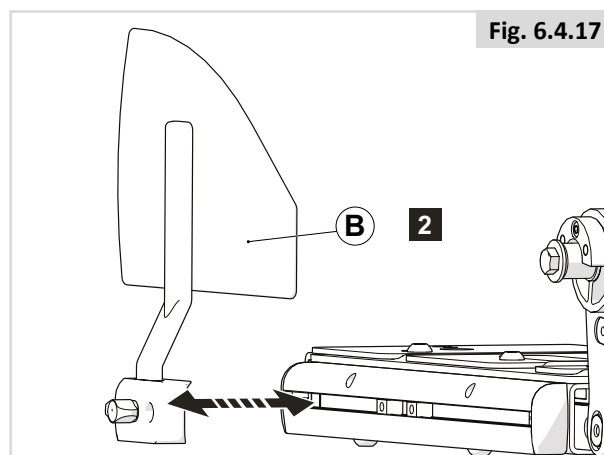


Fig. 6.4.17

## Removing the shift piece from the seat base

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the shift piece from the seat base.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 9Nm.

### Tools used

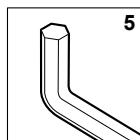


Fig. 6.4.18

1. Unscrew and remove 2 (A) bolts from the underside of the seat rail on both sides

Fig. 6.4.19

2. Slide out (B)

NOTE: Careful when removing and replacing. Heavy part.

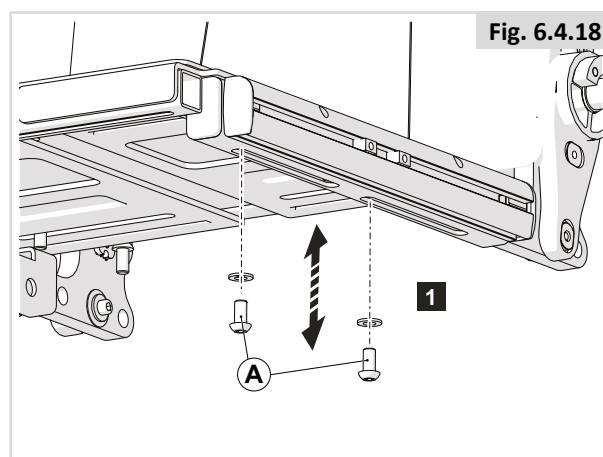


Fig. 6.4.18

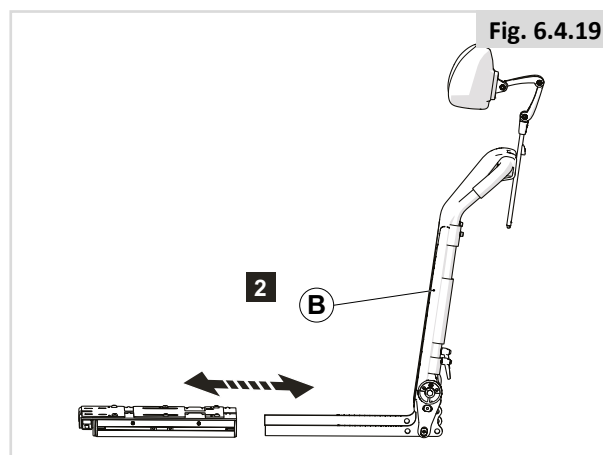


Fig. 6.4.19



## Fitting the reclining armrest mechanism

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for fitting the reclining armrest mechanism.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

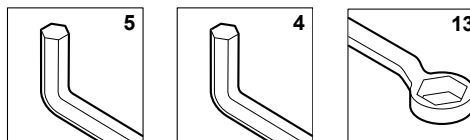


Fig. 6.4.20

1. Unscrew and remove components from the armrest assembly (A)

Fig. 6.4.21

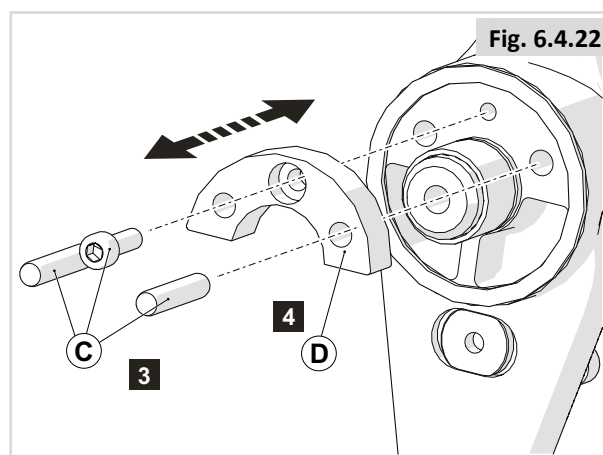
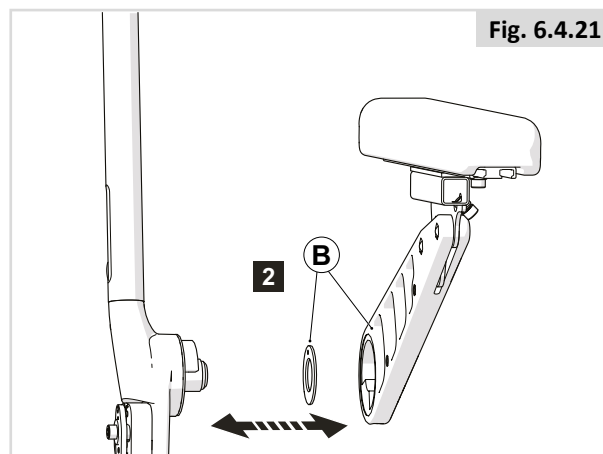
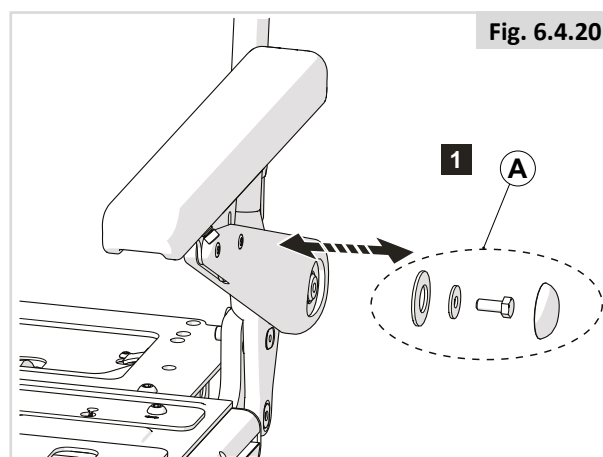
2. Remove armrest and washer (B) from the backrest

Fig. 6.4.22

3. Remove dowels (C) and bolt (C) from the curved segment

Tightening torque for bolt is 3Nm

4. Remove curved segment (D) from the backrest receiver



## To fit reclining armrest mechanism

Fig. 6.4.23

This image shows the kit in an exploded view.

Fig. 6.4.24

1. Add the new washer (A) to the backrest receiver
2. Line up the centre hole of the bracket with the main shaft and the subshaft screwed into the pivot bracket, with the bottom hole of the shift piece

Fig. 6.4.25

3. Once new bracket has been fitted, attach the new curved segment (C) and screw in the new shorter dowels (D)

Fig. 6.4.26

4. Add the metal spacer (E) and plastic washer (F) to the main shaft

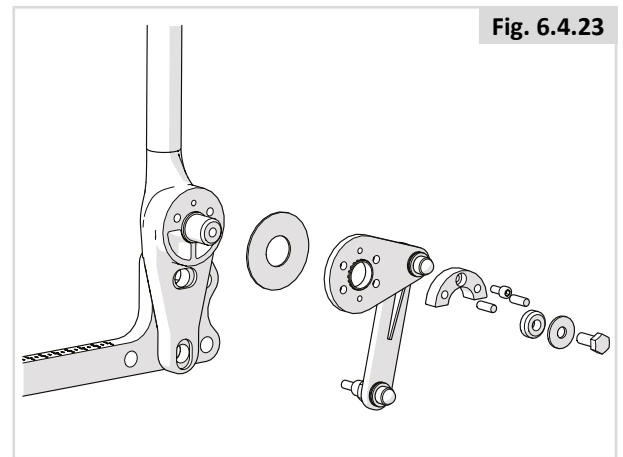


Fig. 6.4.23

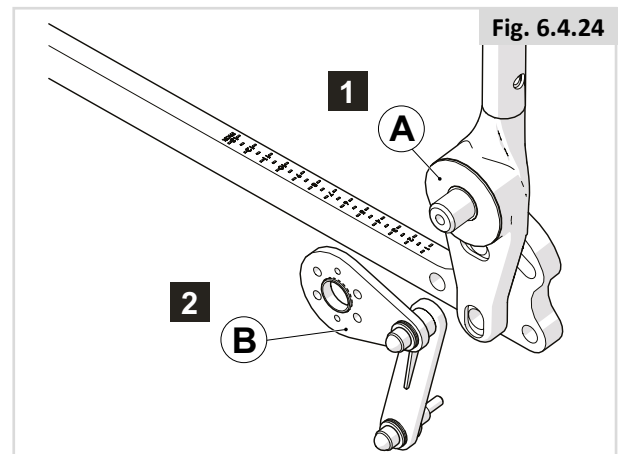


Fig. 6.4.24

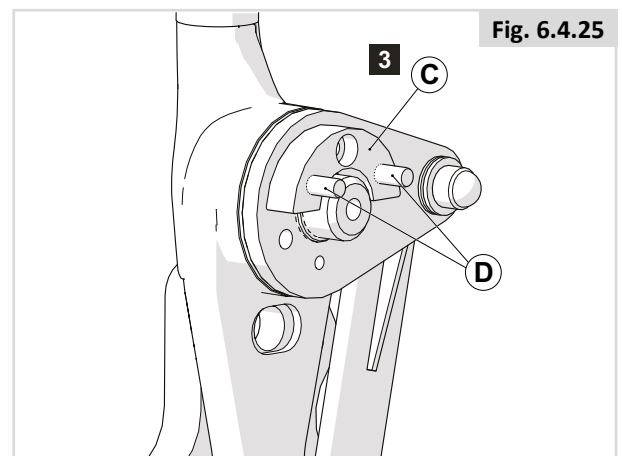


Fig. 6.4.25

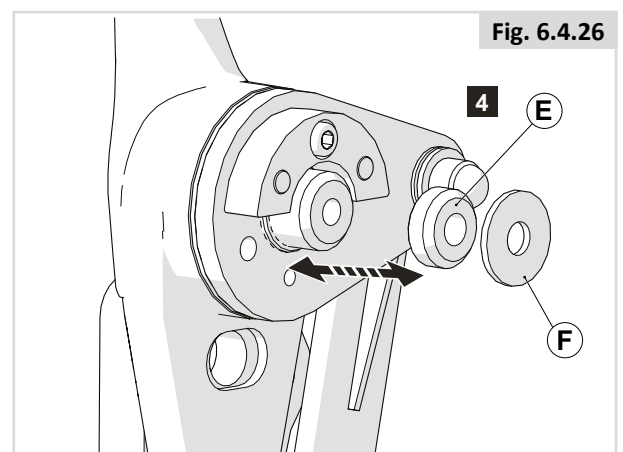
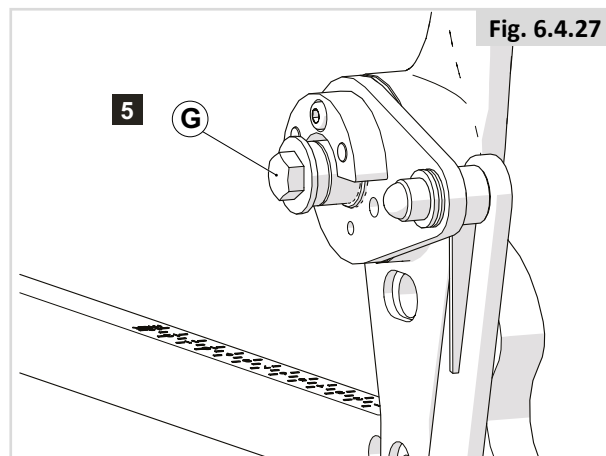


Fig. 6.4.26

Fig. 6.4.27

5. Screw in new bolt (G)

**Once the mechanism is fitted, reinstall the armrest assembly and tighten to 15Nm**



## Removing the backrest cover kit backrest frame

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Tools used

N/A

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the backrest cover kit from the backrest frame.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

Fig. 6.4.28

Shows how the backrest cover kit should look

Fig. 6.4.29

1. Unclip the cover kit (A) using fingers to release the clips

Fig. 6.4.30

2. Slide the cover kit (B) off the backrest frame

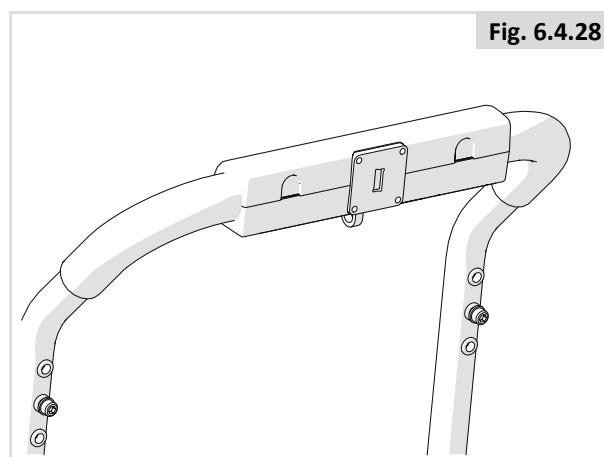


Fig. 6.4.28

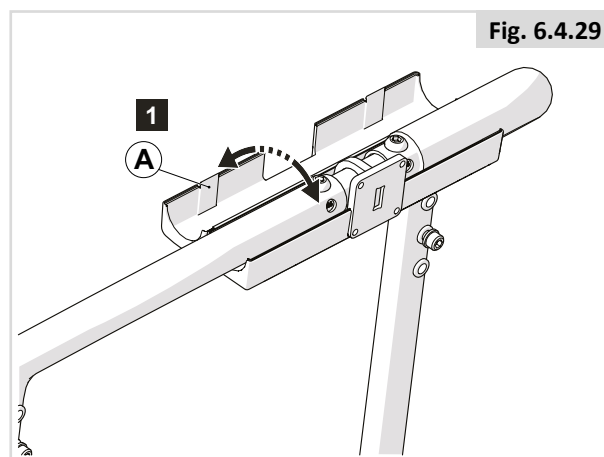


Fig. 6.4.29

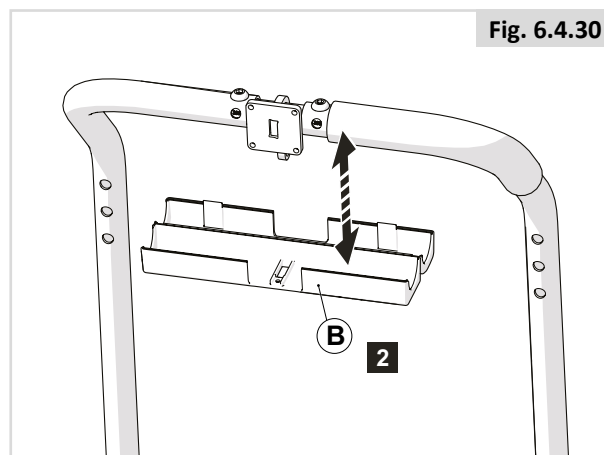


Fig. 6.4.30

## Removing the backrest centre bracket from the backrest frame

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the backrest centre bracket from the backrest frame.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

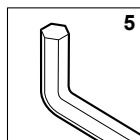


Fig. 6.4.31

1. Remove locking levers (A) from the rear of the backrest assembly

Fig. 6.4.32

2. Slide off backrest frame (B) from main assembly

Fig. 6.4.33

3. Unscrew the 2 (C) bolts from the top of the centre bracket

Tightening torque for bolts is 9Nm

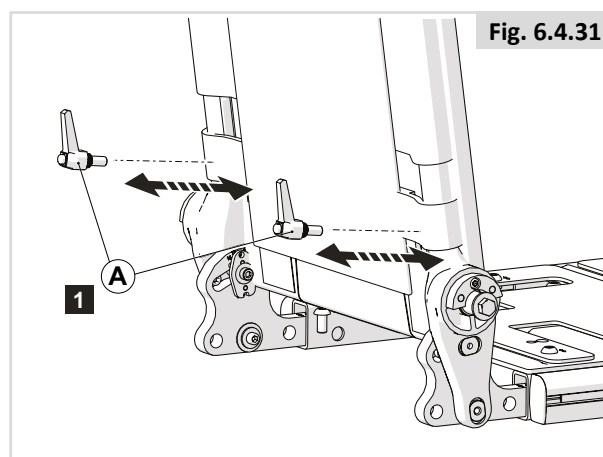


Fig. 6.4.31

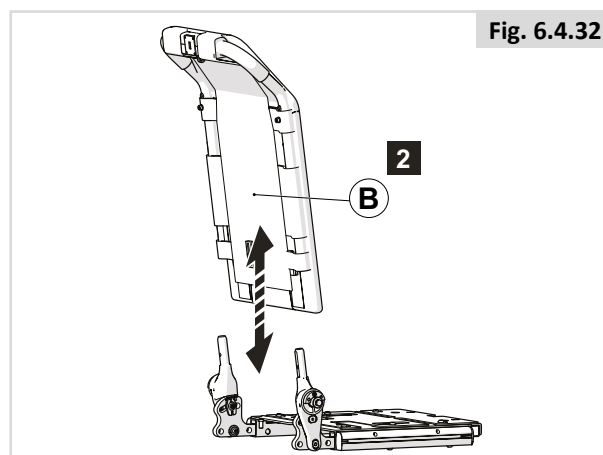


Fig. 6.4.32

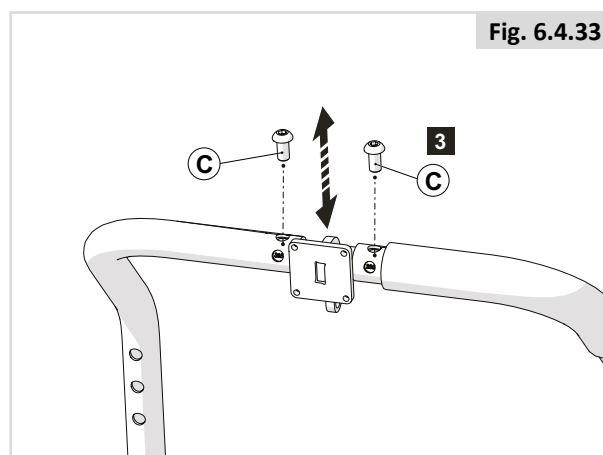


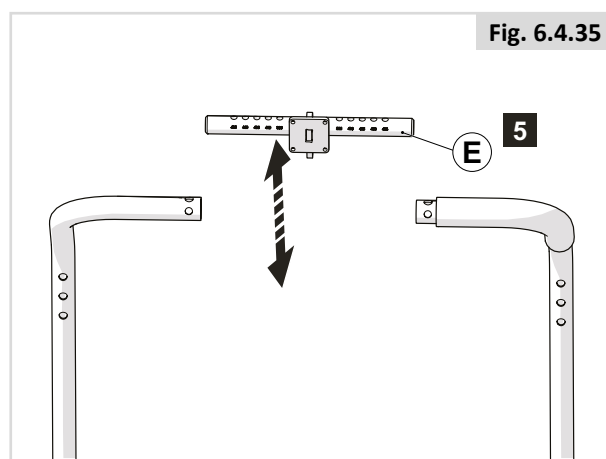
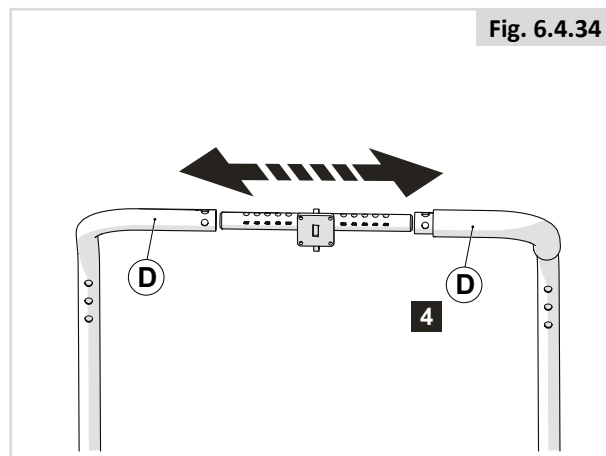
Fig. 6.4.33

Fig. 6.4.34

4. Push the two tubes (D) apart to remove the centre bracket

Fig. 6.4.35

5. Remove the centre bracket (E) from the backrest tubes



## Removing the lateral thoracic support

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the lateral thoracic support.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 10Nm.

### Tools used

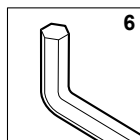


Fig. 6.4.36

1. Unscrew and remove the locking levers (A)

Fig. 6.4.37

2. Slide off backrest frame (B) from main assembly
3. Unscrew and remove bolt (C) from the rear of the lateral thoracic support

Fig. 6.4.38

4. Slide lateral thoracic support (D) down the backrest frame tube

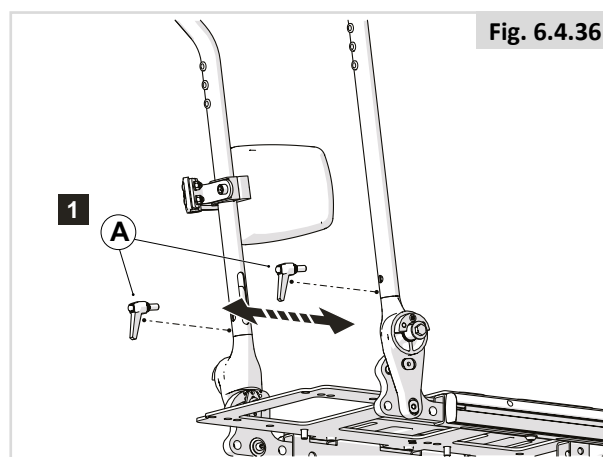


Fig. 6.4.36

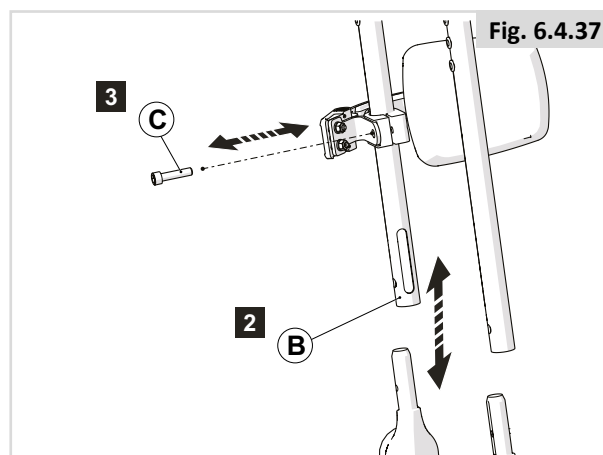


Fig. 6.4.37

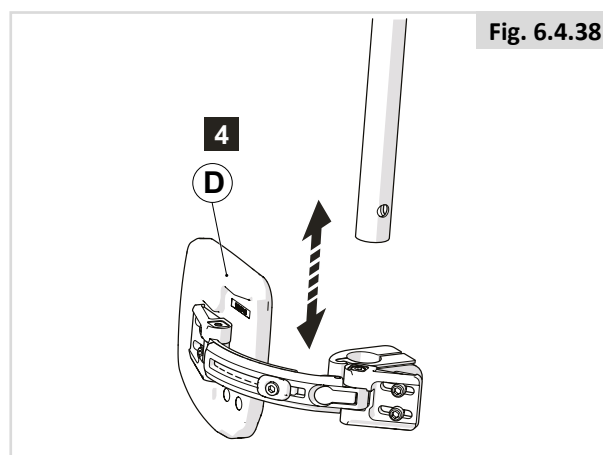


Fig. 6.4.38

## Removing the lateral thoracic support pad

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the lateral thoracic support pad from the assembly.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

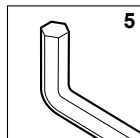


Fig. 6.4.39

1. Unscrew and remove 2 (A) bolts

Fig. 6.4.40

2. Remove pad (B) from the lateral thoracic support assembly

Fig. 6.4.39

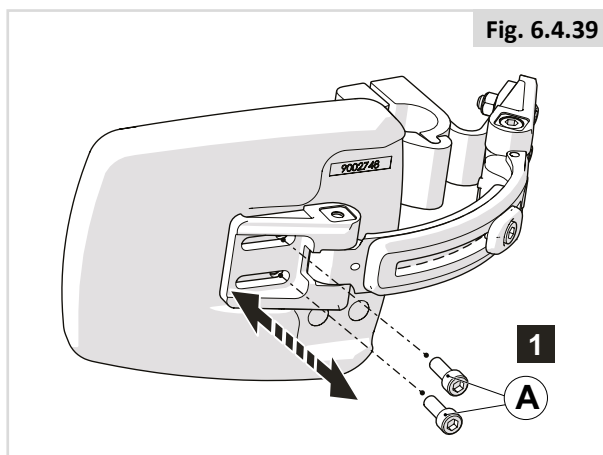
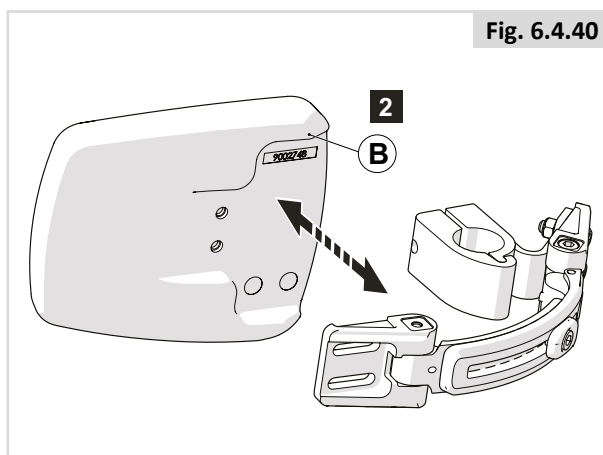


Fig. 6.4.40





## Removing the back upholstery

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the back upholstery.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 3Nm.

### Tools used

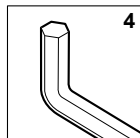


Fig. 6.4.41

1. Remove locking levers (A) from the rear of the backrest assembly

Fig. 6.4.42

2. Slide off backrest frame (B) from main assembly

Fig. 6.4.43

3. Unscrew and remove 2 (C) bolts from the upper part of the assembly

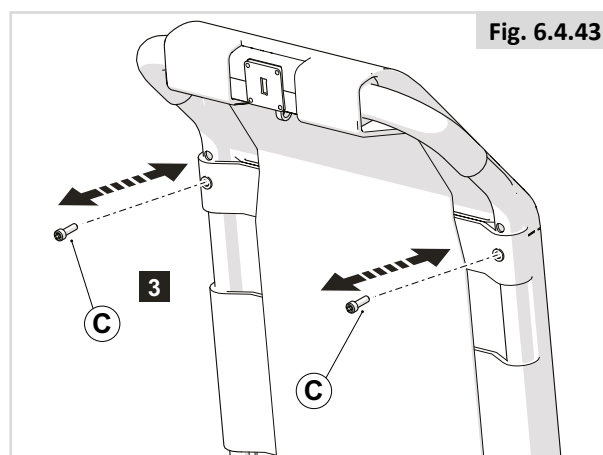
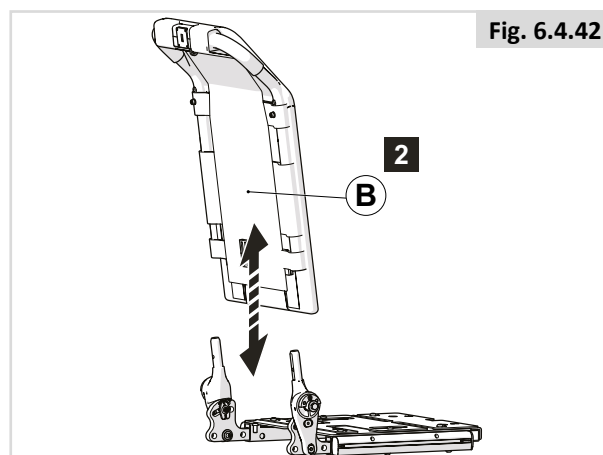
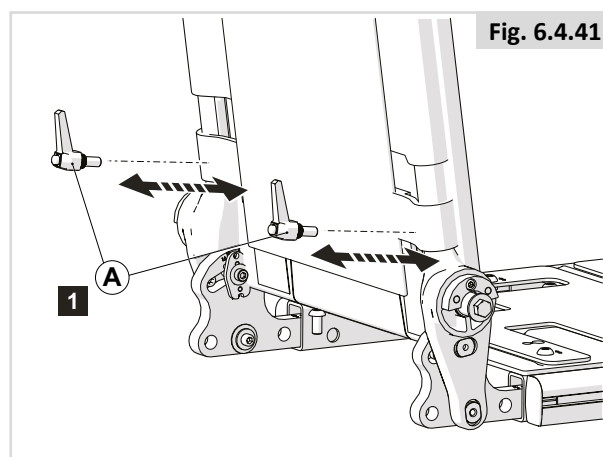


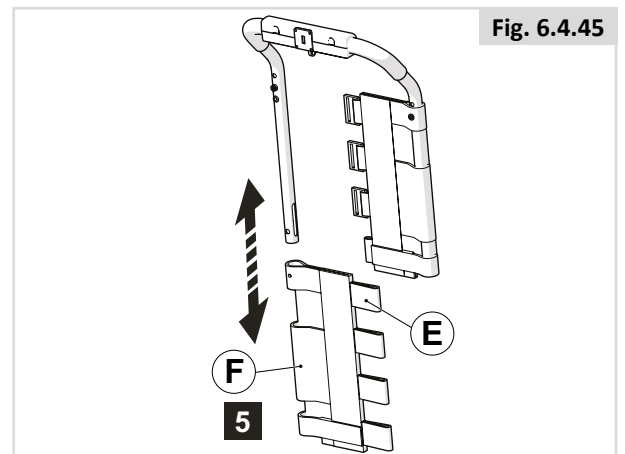
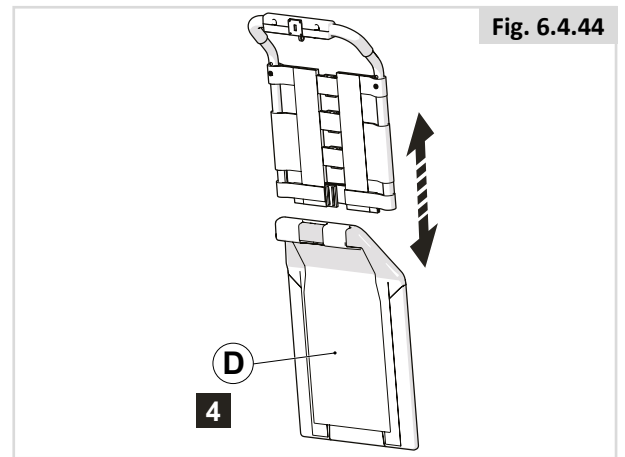
Fig. 6.4.44

4. Pull front and rear cover velcro (D) up and remove from backrest frame

Fig. 6.4.45

NOTE: Release pressure from tension-adjustable straps (E) first

5. Slide each side (F) down the backrest frame tubes to remove



## Fitting the recline receiver and manual/power adjustable backrest options

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for fitting the recline receiver and manual/power adjustable options to the backrest.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

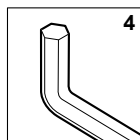


Fig. 6.4.46

This shows an exploded view of the recline receiver components

Fig. 6.4.47

1. Line up the receiver frame (A) with the two holes on the inside of the shift piece

Fig. 6.4.48

2. Screw 2 (B) bolts in place on both sides of the seat

Tightening torque for bolts is 3Nm

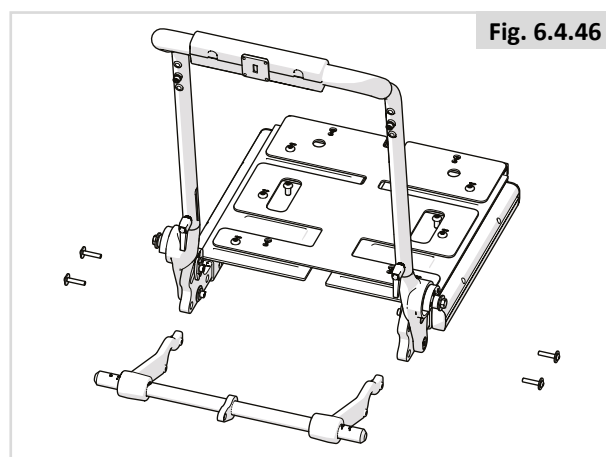


Fig. 6.4.46

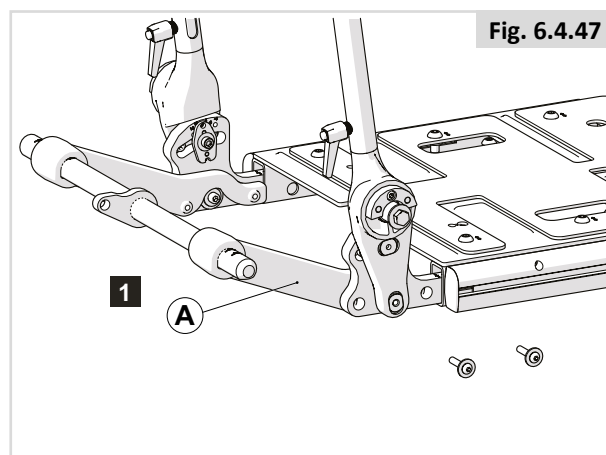


Fig. 6.4.47

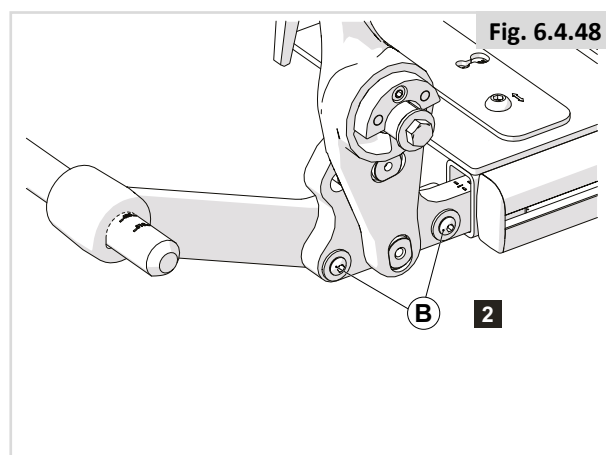


Fig. 6.4.48

### Fitting the powered adjustable backrest option

Fig. 6.4.49

3. Line the bottom of the actuator (C) with the bracket (D) on the recline receiver frame
4. Once lined up, screw in the axle and bolts (E) to secure (tighten by hand)

Fig. 6.4.50

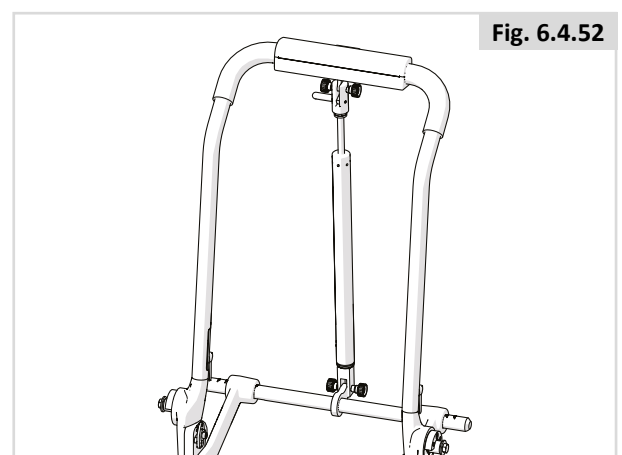
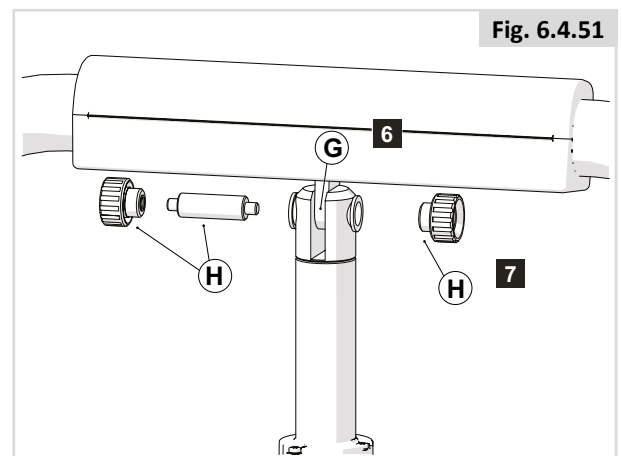
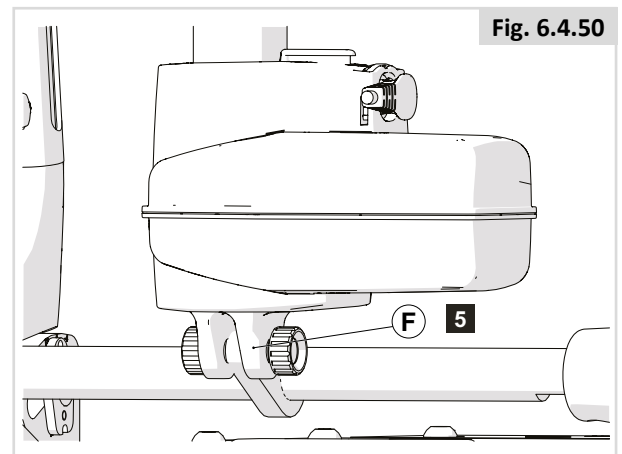
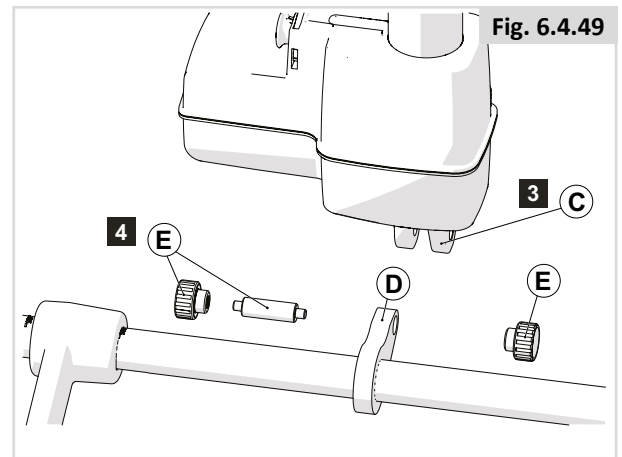
5. This shows how the assembly (F) should look when completed (tighten by hand)

Fig. 6.4.51

6. Line the top of the actuator (G) with the bracket attached to the backrest cover kit
7. Once lined up, screw in the axle and bolts (H) to secure (tighten by hand)

Fig. 6.4.52

The manual adjustable option is fitted using the same steps



## Removing the quick release cushion from backrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Tools used

N/A

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the quick release cushion from the backrest.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

Fig. 6.4.53

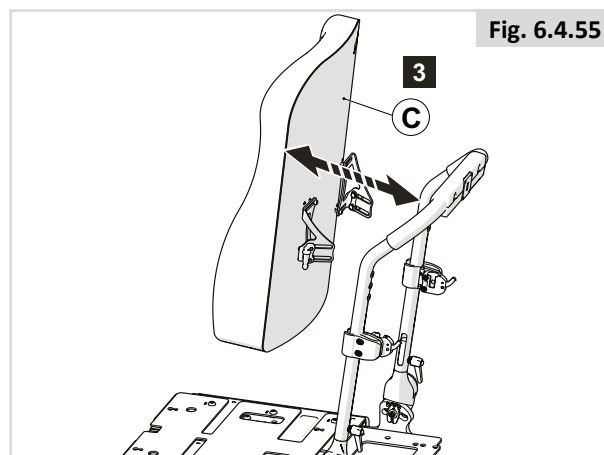
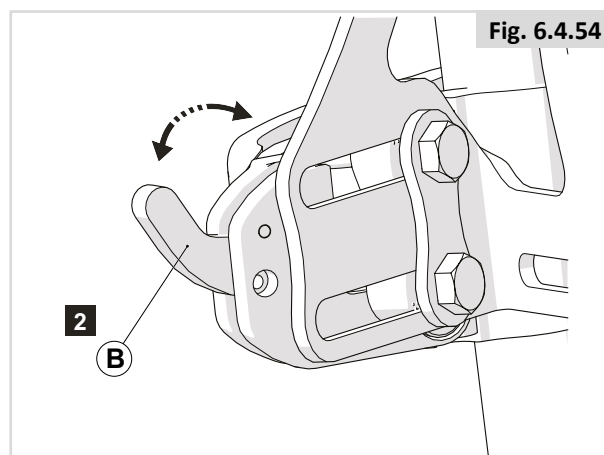
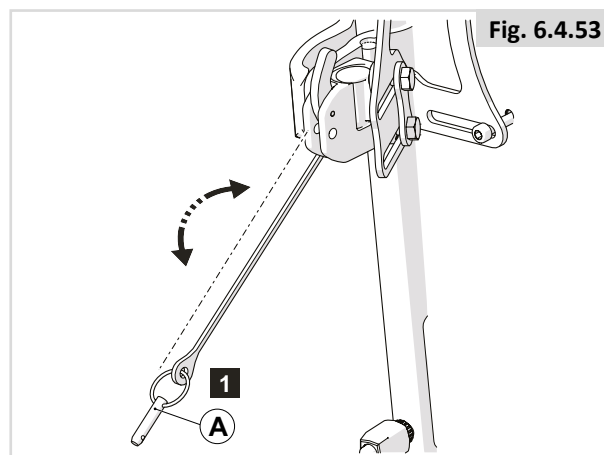
1. Pull out and remove pin (A)

Fig. 6.4.54

2. Push down lever (B) and the backrest will become free

Fig. 6.4.55

3. Slide backrest cushion (C) up and remove from frame



## Removing the quick release brackets from cushion

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the quick release brackets from the cushion.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 6Nm.

### Tools used

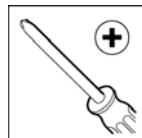
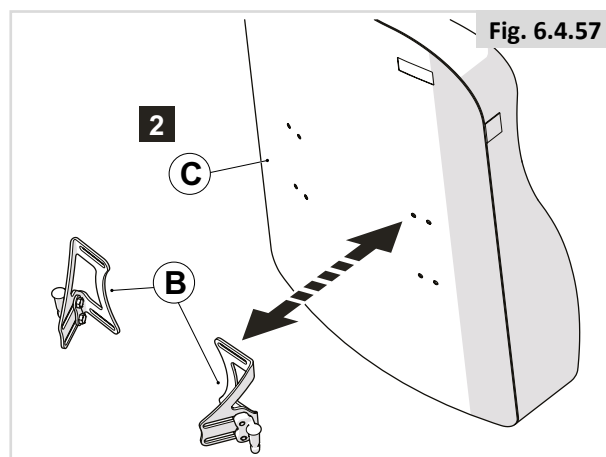
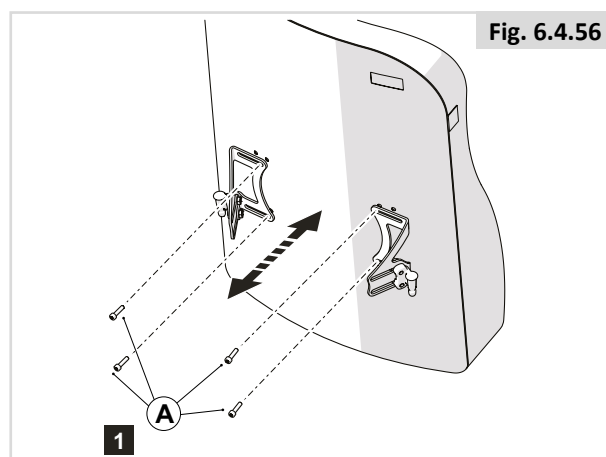


Fig. 6.4.56

1. Unscrew and remove 2 (A) bolts from each bracket

Fig. 6.4.57

2. Remove brackets (B) from backrest cushion (C)



## Removing the quick release receiver from backrest frame

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the quick release receiver from the backrest frame.
- Rebuild the wheelchair in reverse order once completed.
- Tightening torque for bolts is 3Nm.

### Tools used

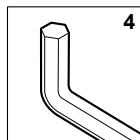


Fig. 6.4.58

1. Unscrew and remove 2 (A) bolts from each clamp

Fig. 6.4.59

2. Remove clamp from backrest tubes

**NOTE:** When reattaching clamps, screw in loosely at first and see if cushion is at correct height. Once set at the correct height, tighten to 3Nm.

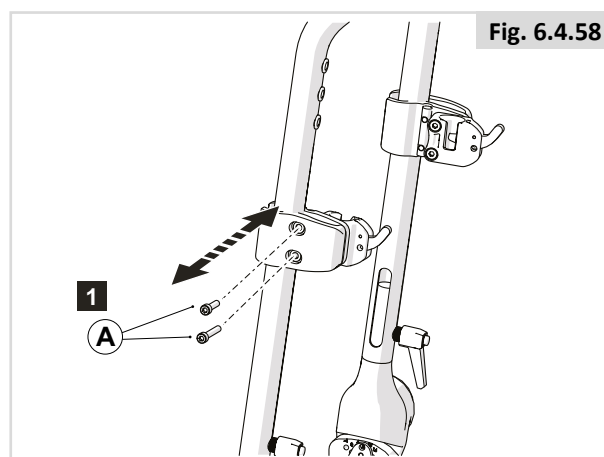


Fig. 6.4.58

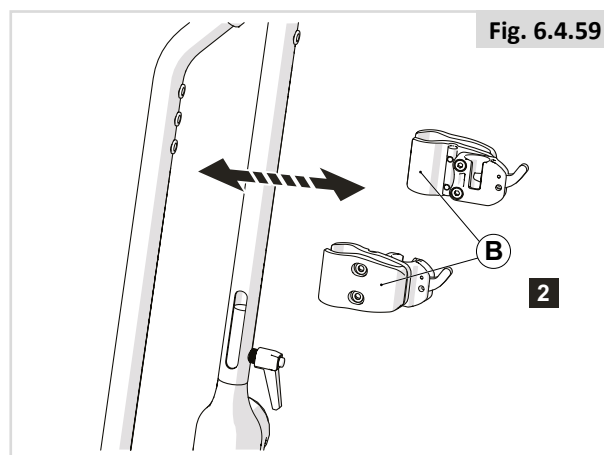


Fig. 6.4.59



# Sedeo Ergo

## Seating manual

Service Instructions



## 6.5 Assembling and replacement instructions - Sedeo ERGO

### Removing the back cushion from the backrest

#### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

#### Tools used

N/A

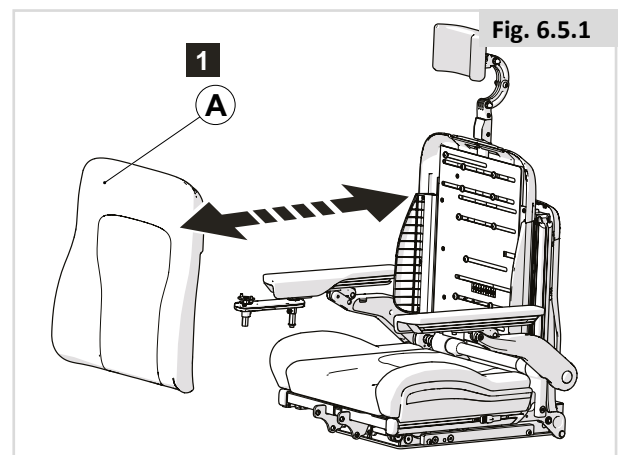
#### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the back cushion from the backrest.
- Rebuild the wheelchair in reverse order once completed.

Fig. 6.5.1

1. Peel cushion (A) from the velcro on the backrest



## Removing the side guard from the seat frame

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the side guard from the seat frame.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

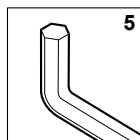


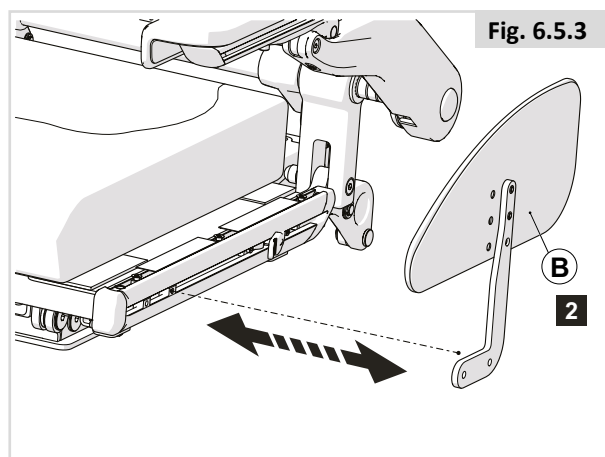
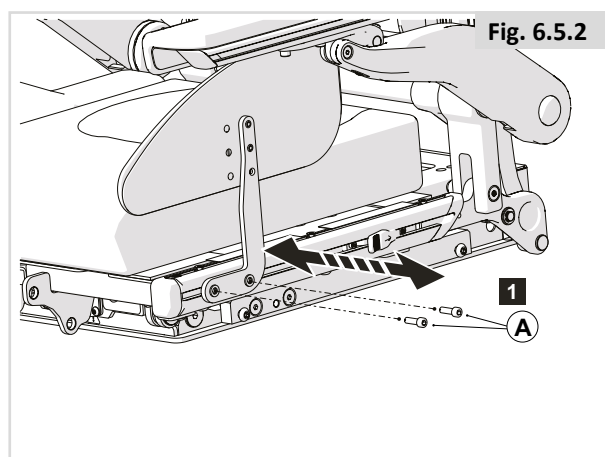
Fig. 6.5.2

1. Unscrew and remove 2 (A) bolts from the side guard assembly

Tightening for (A) bolts is 7Nm

Fig. 6.5.3

2. Remove side guard (B) from the seat frame



## Removing the side cushion and side cushion plastic trim

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the side cushion and side cushion plastic trim attached.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

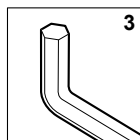


Fig. 6.5.4

1. Unlatch the cushion from the wheelchair by sliding the latch (A) in a backward direction

Fig. 6.5.5

2. Lift up the side cushion assembly (B) and swing away from the wheelchair

Fig. 6.5.6

3. Remove cushion (B) from the wheelchair base

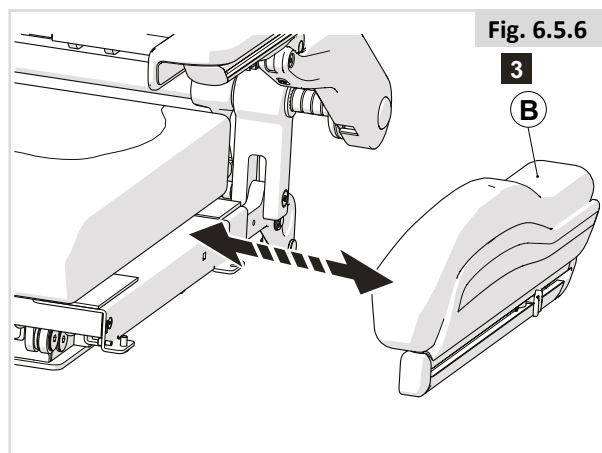
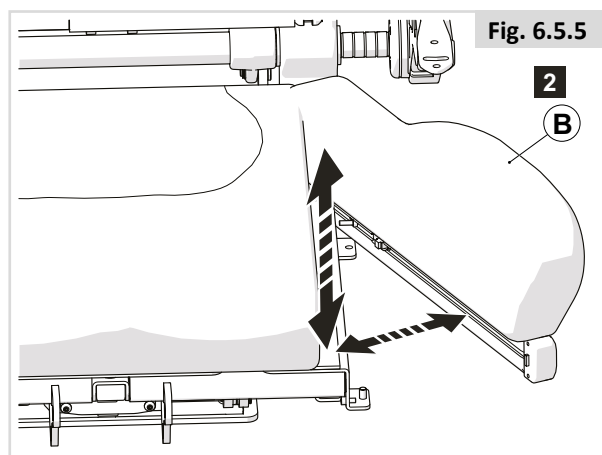
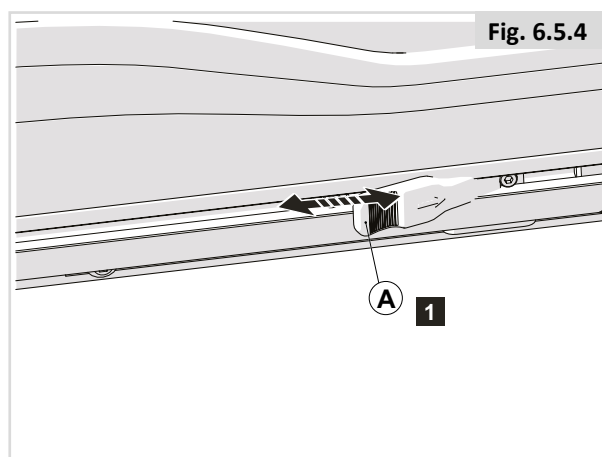


Fig. 6.5.7

4. Peel cushion (C) off the Velcro on the assembly

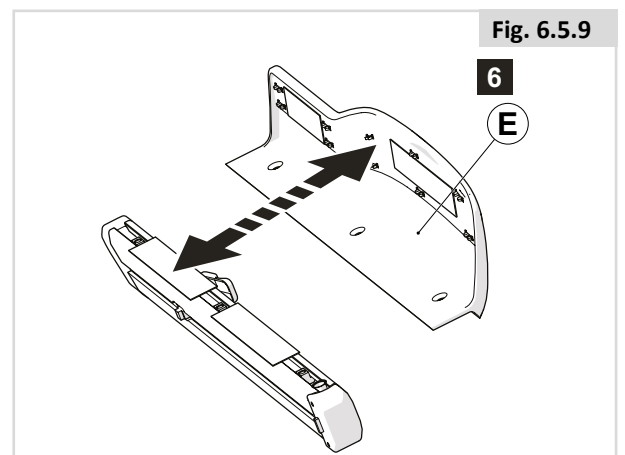
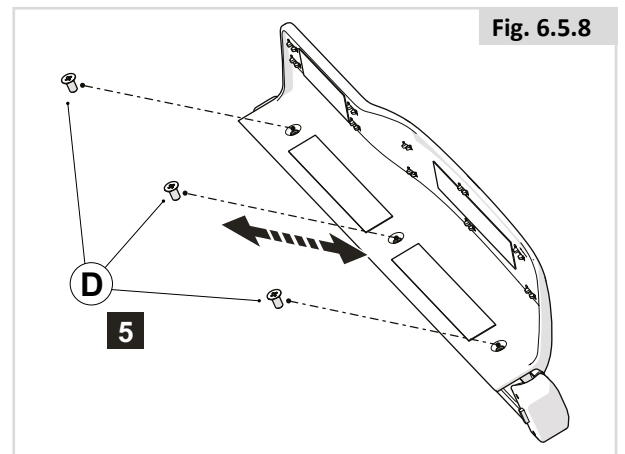
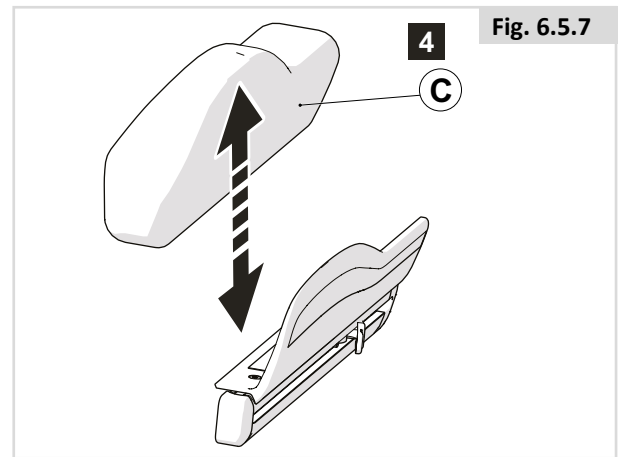
Fig. 6.5.8

5. Unscrew and remove 3 x (D) bolts from the plastic trim

Tightening torque for (D) bolts is 3Nm

Fig. 6.5.9

6. Remove plastic trim (E) from the assembly



## Removing the headrest mount

### Preparation

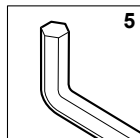
**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the headrest mount from the backrest.
- Rebuild the wheelchair in reverse order once completed.

### Tools used



Before completing, you must first remove the back cushion as illustrated in Fig. 6.5.1 and remove the headrest as illustrated in Fig. 6.2.1 - 2

Fig. 6.5.10

1. Unclip by pulling up the central insert (A) from inside the backrest

Fig. 6.5.11

2. Unscrew and remove 4 x (B) bolts from the backrest shell

Tightening for (B) bolts is 9Nm

Fig. 6.5.12

3. Remove headrest mount (C) from the backrest

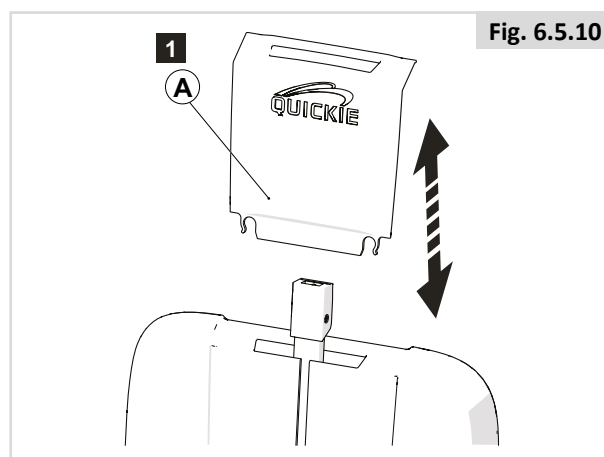


Fig. 6.5.10

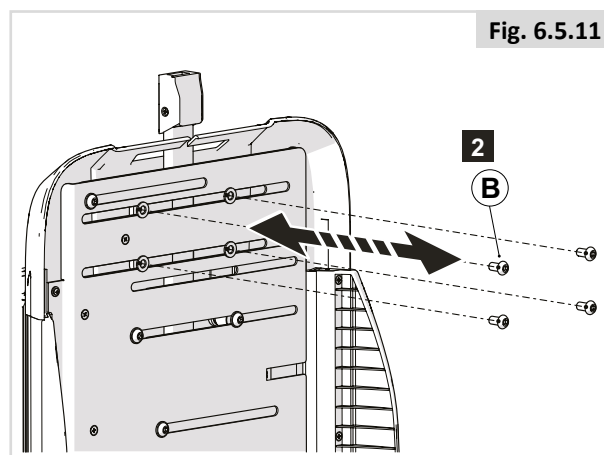


Fig. 6.5.11

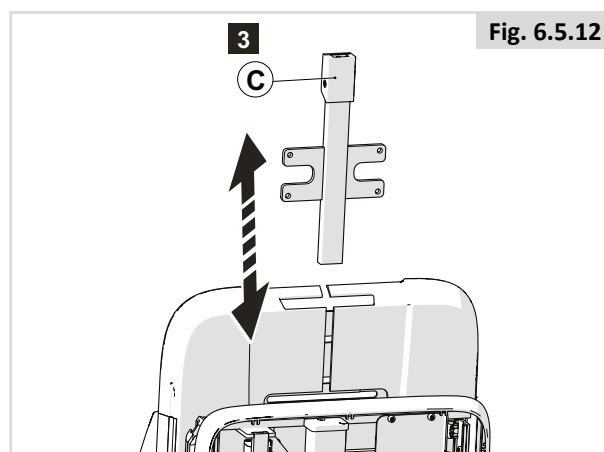


Fig. 6.5.12

## Removing the backrest shell from the backrest

### Preparation

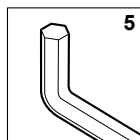
**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the backrest shell from the backrest.
- Rebuild the wheelchair in reverse order once completed.

### Tools used



Before completing, you must first remove the back cushion as illustrated in Fig. 6.5.1

Fig. 6.5.13

1. Unscrew and remove 4 x (A) bolts from the backrest shell

Tightening for (A) bolts is 9Nm

Fig. 6.5.14

2. Remove backrest shell (B) from the backrest

**NOTE:** The JAY 3 Backrest shell can also be removed in the same way by removing the same 4 x (A) bolts

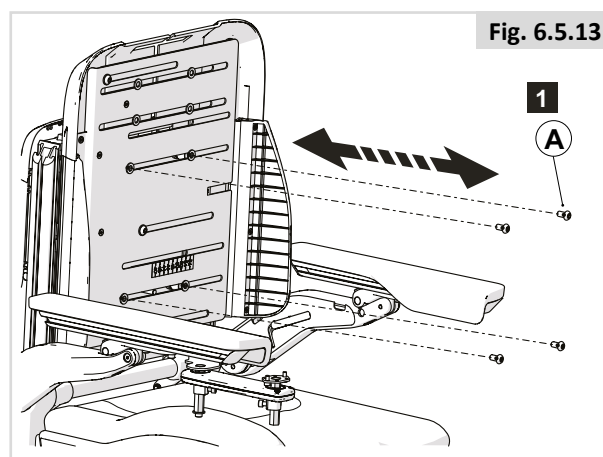


Fig. 6.5.13

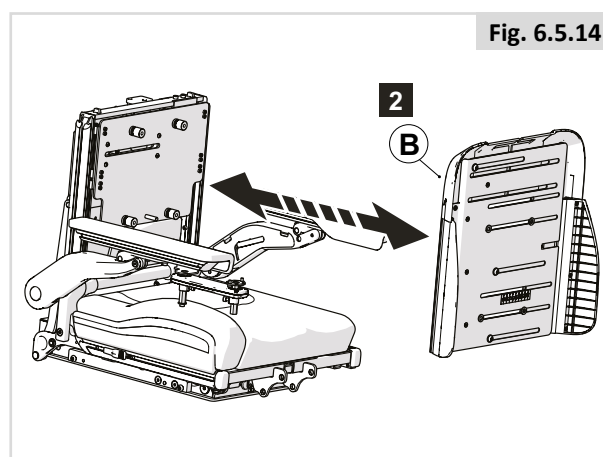


Fig. 6.5.14

## Removing the potentiometer from the backrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the potentiometer from the backrest.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

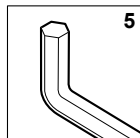


Fig. 6.5.15

1. Disconnect the potentiometer located in the complex seating module from port 1 (A)

Fig. 6.5.16

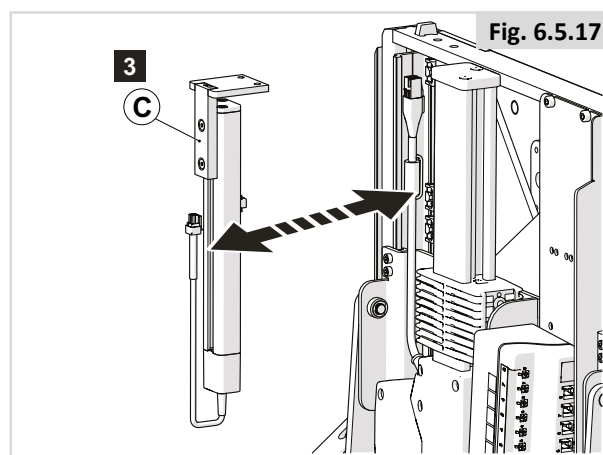
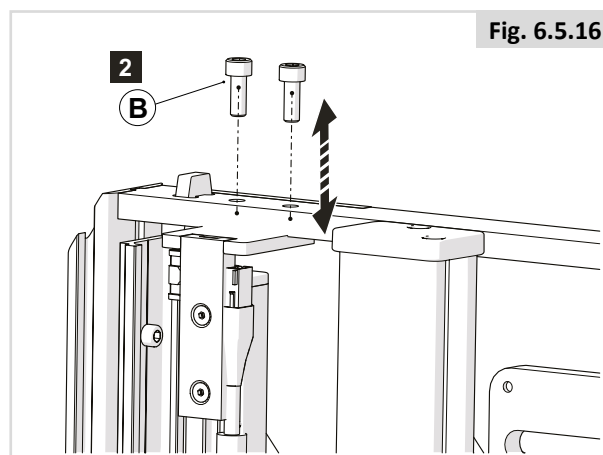
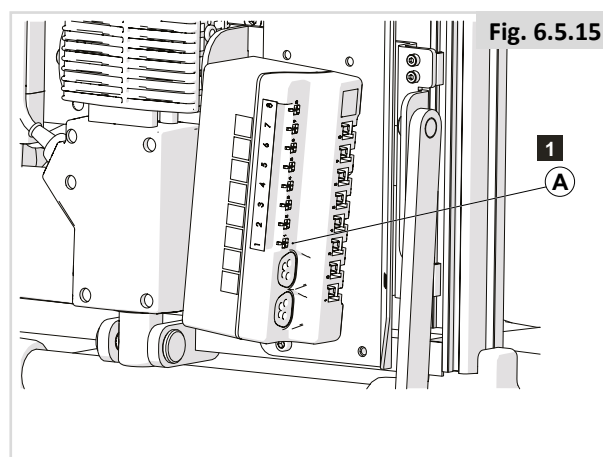
2. Unscrew and remove 2 x (B) bolts from the potentiometer

Tightening torque for (B) bolt is 7Nm

Fig. 6.5.17

3. Remove potentiometer (C) from the backrest

**NOTE:** When refitting potentiometer, slide the locator pin into the slot first before reassembling



## Removing the back actuator from the anti-shear backrest

### Preparation

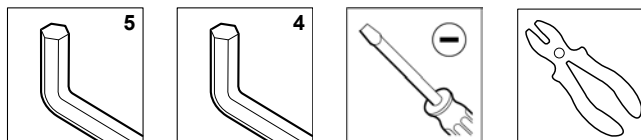
**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the back actuator from the anti-shear backrest.
- Rebuild the wheelchair in reverse order once completed.

### Tools used



NOTE: Before completing, make sure that the back actuator is electrically disconnected before continuing

Fig. 6.5.18

1. Unscrew and remove 2 x (A) bolts at the base of the complex seating module mounting panel

Tightening torque for (A) bolts is 5Nm

Fig. 6.5.19

2. Loosen 2 x (B) bolts at the top of the complex seating module mounting panel

Tightening torque for (A) bolts is 5Nm

Fig. 6.5.20

3. Remove the complex seating module mounting panel (C)

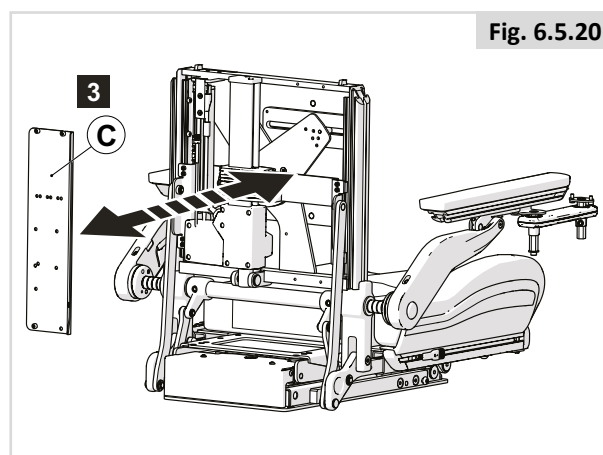
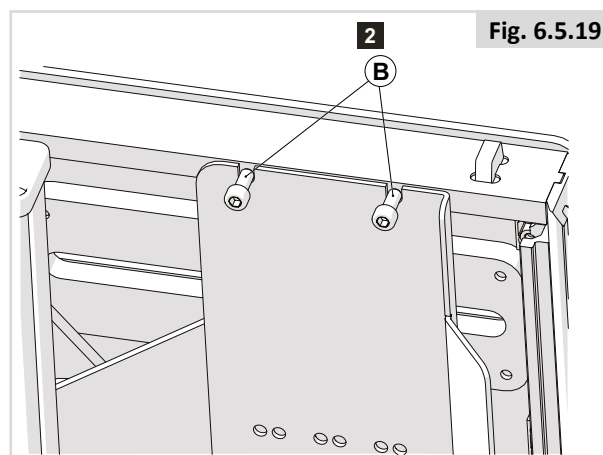
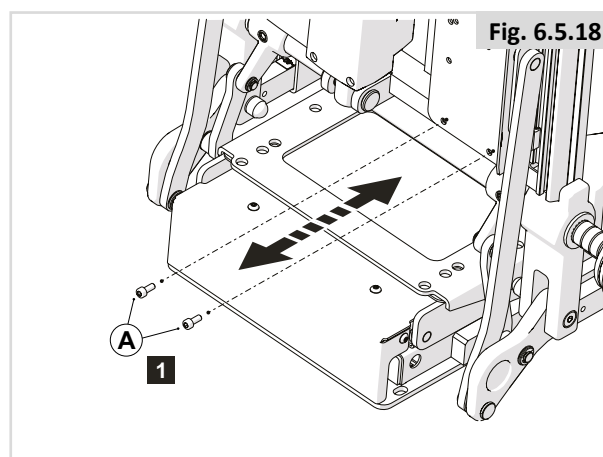




Fig. 6.5.21

4. Using the 5mm Hex key, unscrew and remove 1 x (D) pivot shaft from each side of the back actuator

Tightening torque for (D) bolts is 7Nm

Fig. 6.5.22

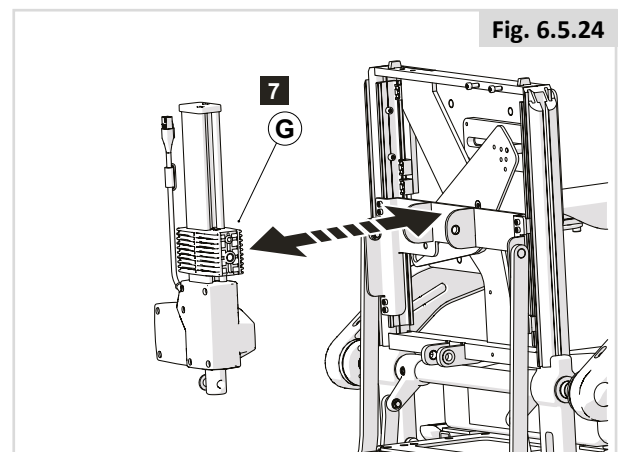
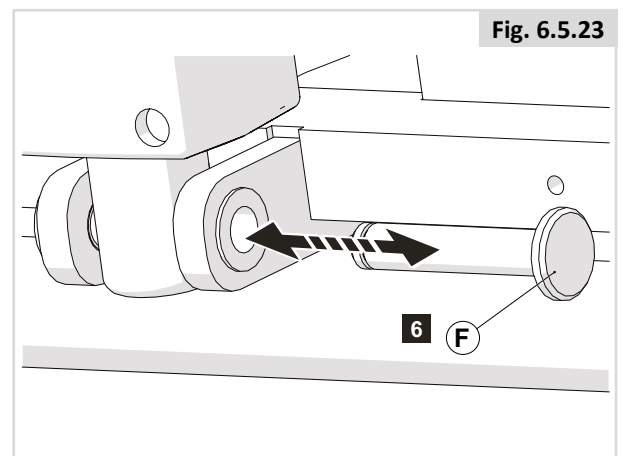
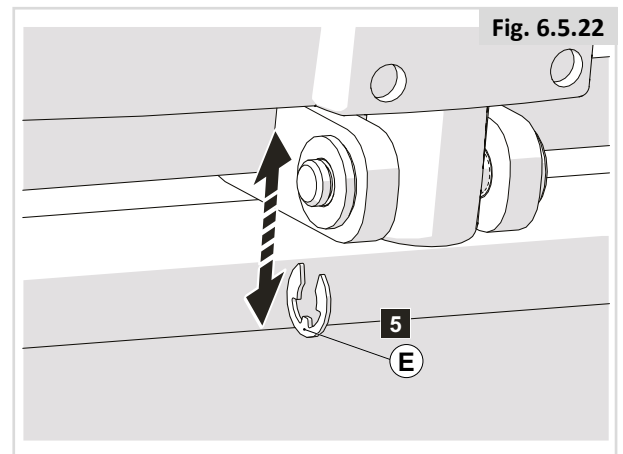
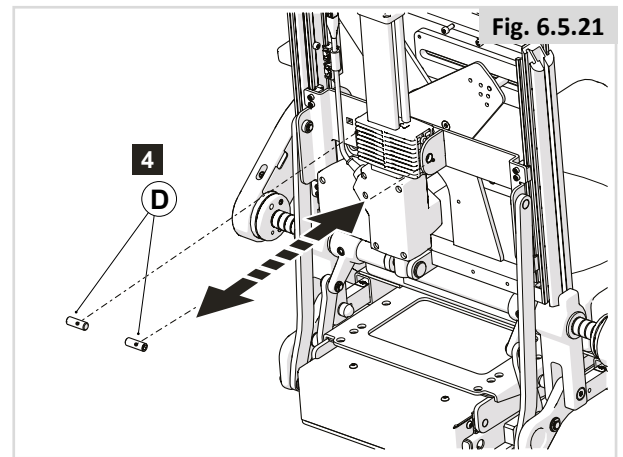
5. Using the screwdriver, remove the C-clip (E) located at the base of the back actuator (use pliers to reinstall)

Fig. 6.5.23

6. Remove the (F) pin from the base of the actuator

Fig. 6.5.24

7. Remove the actuator (G) from the backrest



## Removing the armrest

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the armrest.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

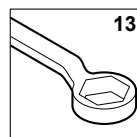
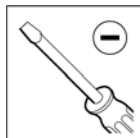


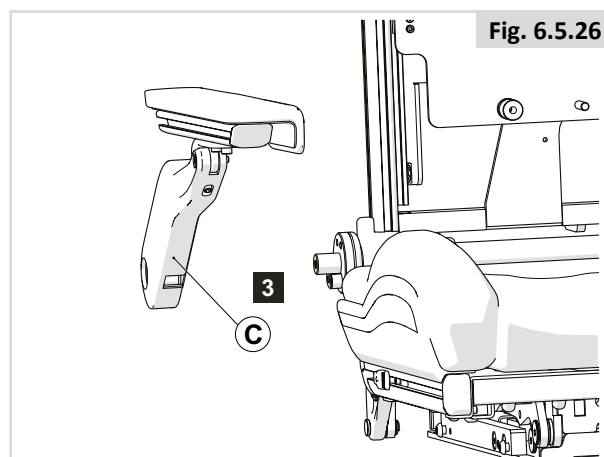
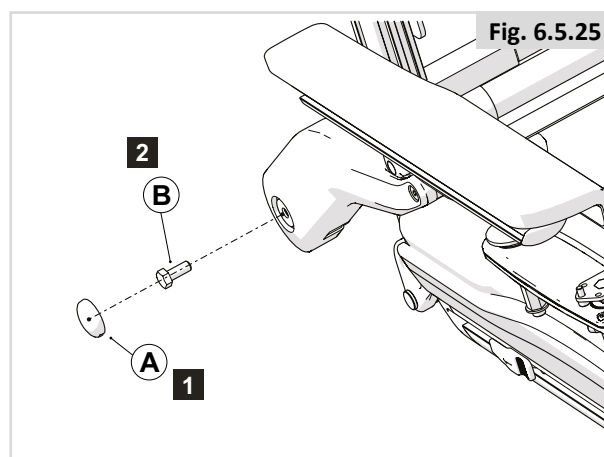
Fig. 6.5.25

1. Using the screwdriver, remove the plastic cap (A) from the armrest
2. Unscrew and remove the bolt (B) using the 13mm spanner

Tightening torque for (B) bolt is 12Nm

Fig. 6.5.26

3. Remove the armrest assembly (C)



## Removing the armrest receiver

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the armrest receiver.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

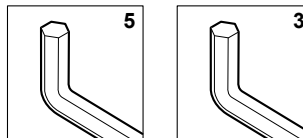


Fig. 6.5.27

1. Unscrew and remove (A) bolt using the 5mm Hex key

Tightening torque for (A) bolt is 10Nm

Fig. 6.5.28

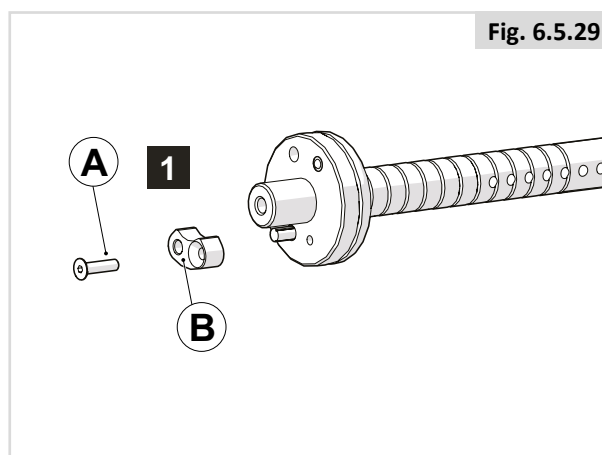
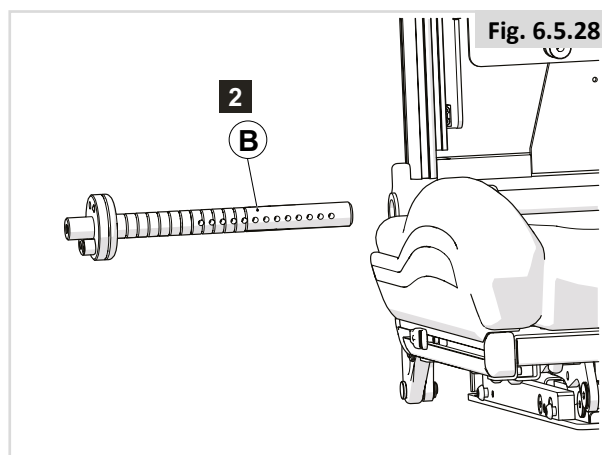
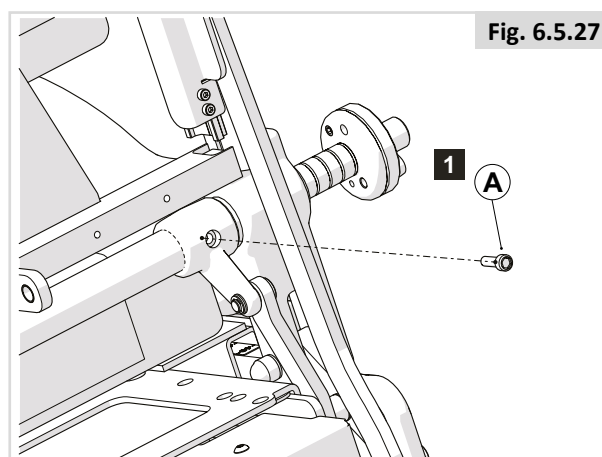
2. Remove the armrest receiver (B)

## Removing the segment attached to the armrest receiver

Fig. 6.5.29

1. Unscrew and remove (A) using the 3mm Hex key, then remove the segment from the armrest receiver

Tightening torque for (A) bolt is 3Nm



## Removing the armrest rail

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the armrest rail.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

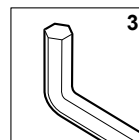
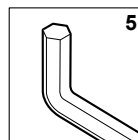
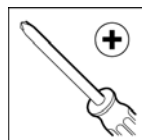


Fig. 6.5.30

1. Loosen 2 x bolts (A) located on the underside of the armrest extrusion

Tightening torque for (A) bolts is 7Nm

Fig. 6.5.31

2. Slide extrusion (B) off the armrest assembly

NOTE: This action will remove the plastic cap (C)

Fig. 6.5.32

3. Unscrew and remove screw (D) using the screwdriver, then remove the armrest cover (E)

Tightening torque for (D) screw is 3Nm

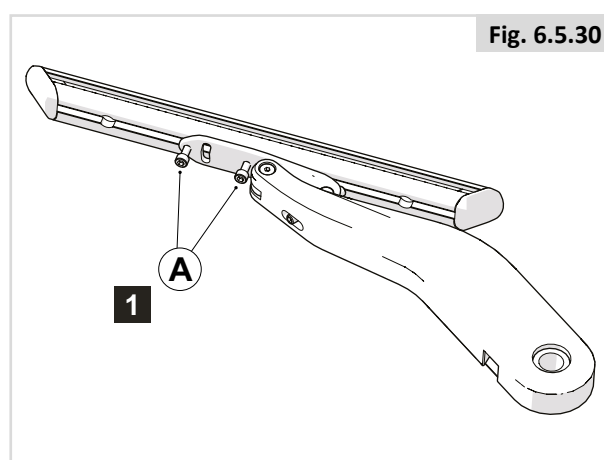


Fig. 6.5.30

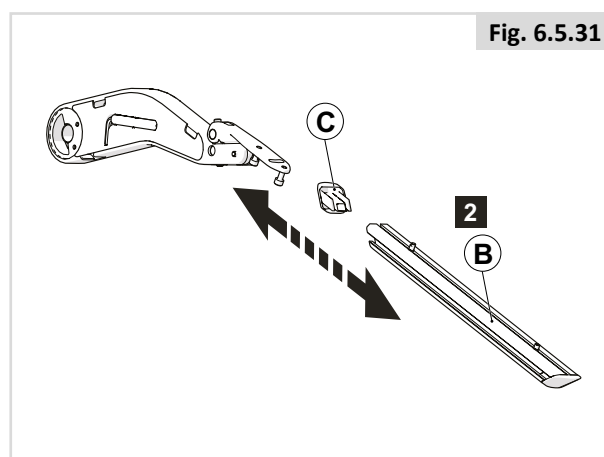


Fig. 6.5.31

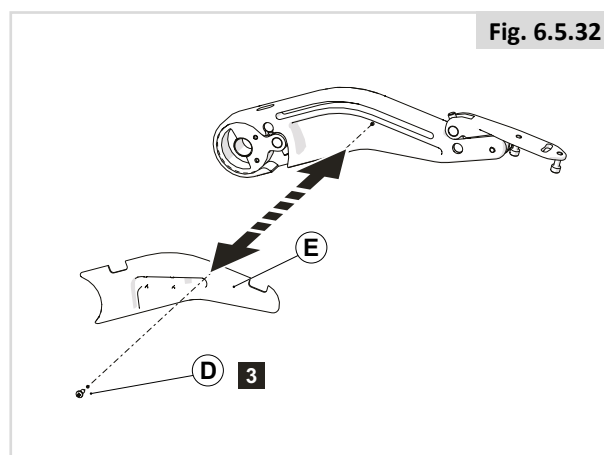


Fig. 6.5.32

## Removing the armrest pad

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the armrest pad.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

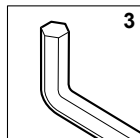


Fig. 6.5.33

1. Unscrew and remove 2 x bolts (A) from the underside of the armrest pad

Tightening torque for (A) bolts is 5Nm

Fig. 6.5.34

2. Remove the armrest pad (B)

Fig. 6.5.33

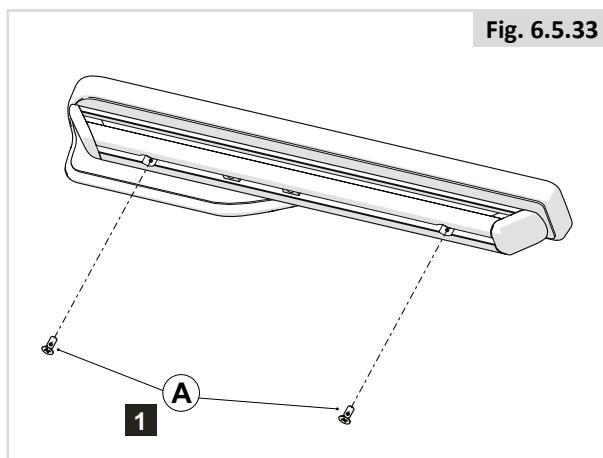
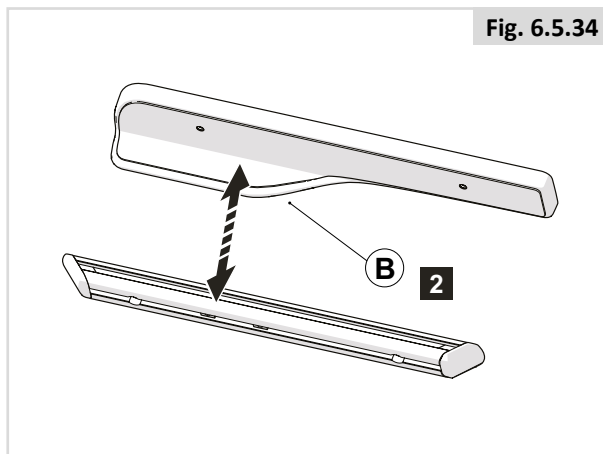


Fig. 6.5.34



## Removing the seat plates

### Preparation

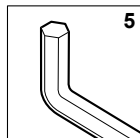
**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the seat plates (width adjustment plates)
- Rebuild the wheelchair in reverse order once completed.

### Tools used



NOTE: Please remove the side cushion on both sides first as illustrated in Fig. 6.5.4 - 8 to remove the seat plates

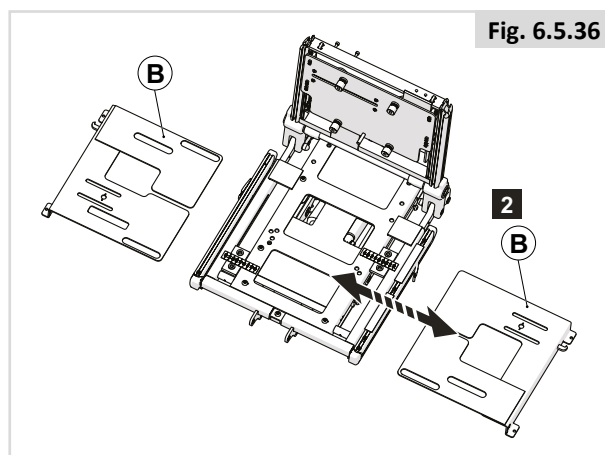
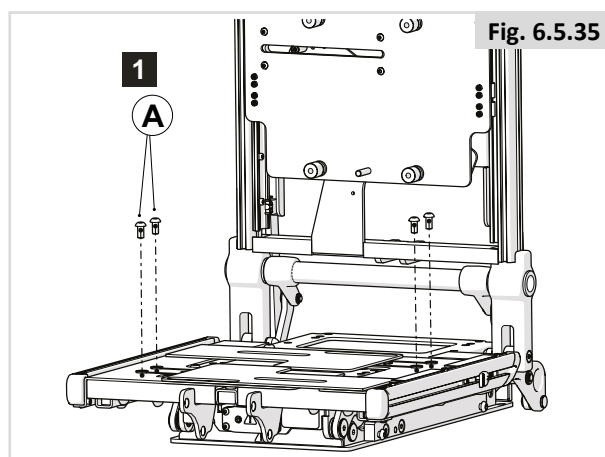
Fig. 6.5.35

1. Unscrew and remove 2 x bolts (A) from each side of the seat plates

Tightening torque for (A) bolts is 10Nm

Fig. 6.5.36

2. Remove seat plates (B) from the seat



## Removing the seat frame

### Preparation

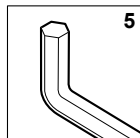
**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the seat frame.
- Rebuild the wheelchair in reverse order once completed.

### Tools used



NOTE: Please remove the side cushion on both sides first as illustrated in Fig. 6.5.4 - 8 to remove the seat frame

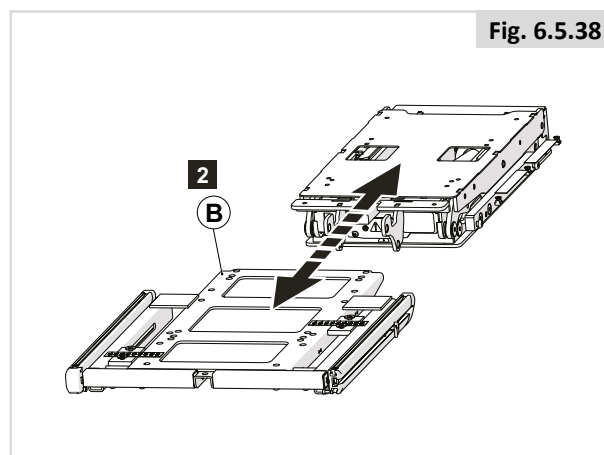
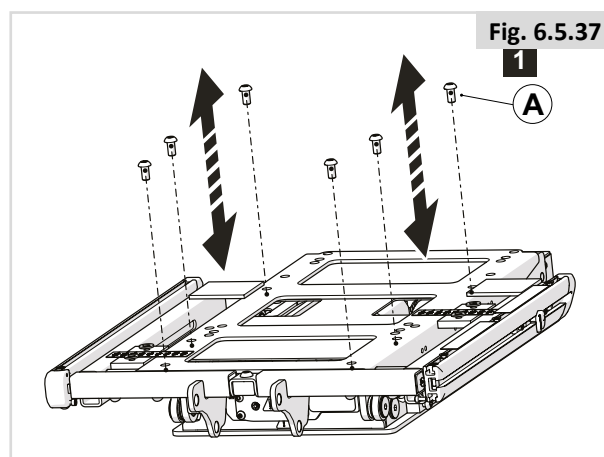
Fig. 6.5.37

1. Unscrew and remove 6 x bolts (A) from the top of the seat frame

Tightening torque for (A) bolts is 17Nm

Fig. 6.5.38

2. Remove the seat frame (B)



## Removing the front caps

### Preparation

**Note!** Switch off the wheelchair via remote control (power wheelchair only).

### Instructions

**Note!** Suitable work area required!

- Follow the illustrated instructions for removing the front caps from the seat rail.
- Rebuild the wheelchair in reverse order once completed.

### Tools used

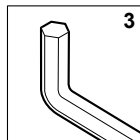


Fig. 6.5.39

1. Unscrew and remove (A) bolt from the underside of the front cap

Tightening torque for (A) bolts is 4Nm

Fig. 6.5.40

2. Remove front cap (B)

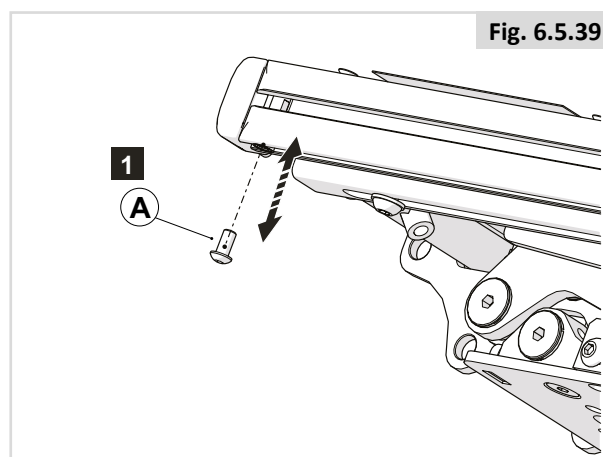


Fig. 6.5.39

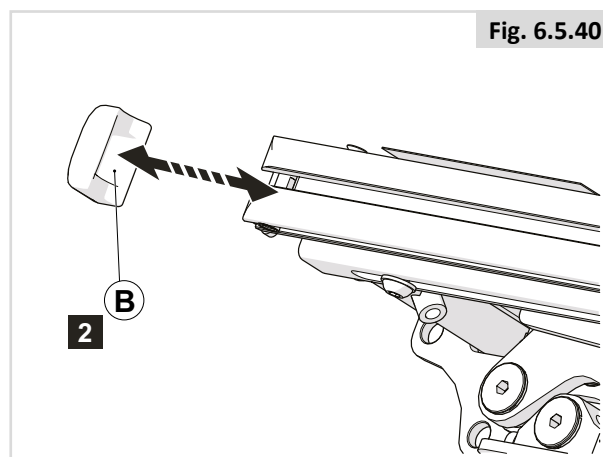


Fig. 6.5.40



## 7.0 Trouble shooting

If the Sedeo seating system is not working or not working as it should, contact your supplier.

### THIS GUARANTEE DOES NOT AFFECT YOUR LEGAL RIGHTS IN ANY WAY.

Sunrise Medical\* provides a guarantee, as set out in the warranty conditions, for wheelchairs to its customers covering the following.

#### Warranty conditions:

1. Should a part or parts of the wheelchair require repair or replacement as a result of a manufacturing and/or material fault within 24 months or for frame and cross-braces within 5 years after delivery to the customer, then the affected part or parts will be repaired or replaced free of charge. The warranty will only cover manufacturing defects
2. To enforce the warranty, please contact Sunrise Medical Customer Service with the exact details of the nature of the difficulty. Should you be using the wheelchair outside the area covered by the Sunrise Medical customer service agent, repairs or replacement will be carried out by another agency as designated by the manufacturer. The wheelchair must be repaired by a Sunrise Medical designated Customer Service agent, (dealer).
3. For parts, which have been repaired or exchanged within the scope of this warranty, we provide a warranty in accordance with these warranty conditions for the remaining warranty period for the wheelchair in accordance with point 1).
4. For original spare parts which have been fitted at the customer's expense, these will have a 12 months guarantee, (following the fitting), in accordance with these warranty conditions.
5. Claims from this warranty shall not arise, if a repair or replacement of a wheelchair or a part is required for the following reasons:
  - a. Normal wear and tear, which include batteries, armrest pads, upholstery, tyres, brakes shoes, etc.
  - b. Any overloading of the product, please check the EC label for maximum user weight.
  - c. The product or part has not been maintained or serviced in accordance with the manufacturer's recommendations as shown in the user instructions and/or the service instructions.
  - d. Accessories have been used which are not specified as original accessories.
  - e. The wheelchair or part having been damaged by neglect, accident or improper use.
  - f. Changes/modifications have been made to the wheelchair or parts, which deviate from the manufacturer's specifications.
  - g. Repairs have been carried out, before our Customer Service has been informed of the circumstances.
6. This guarantee is subject to the law of the country in which the product was purchased from Sunrise Medical"

\* Means the Sunrise Medical facility from which the product was purchased.



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