



Cloud[®] PUSHCHAIR WORKSHOP MANUAL

IMPORTANT

Please read these instructions carefully before attempting any repairs to the wheelbase / interface. Repairs should only be carried out by a repairer as approved by either Tendercare Ltd or the NHS.



Fig 0.1 Cloud Pushchair

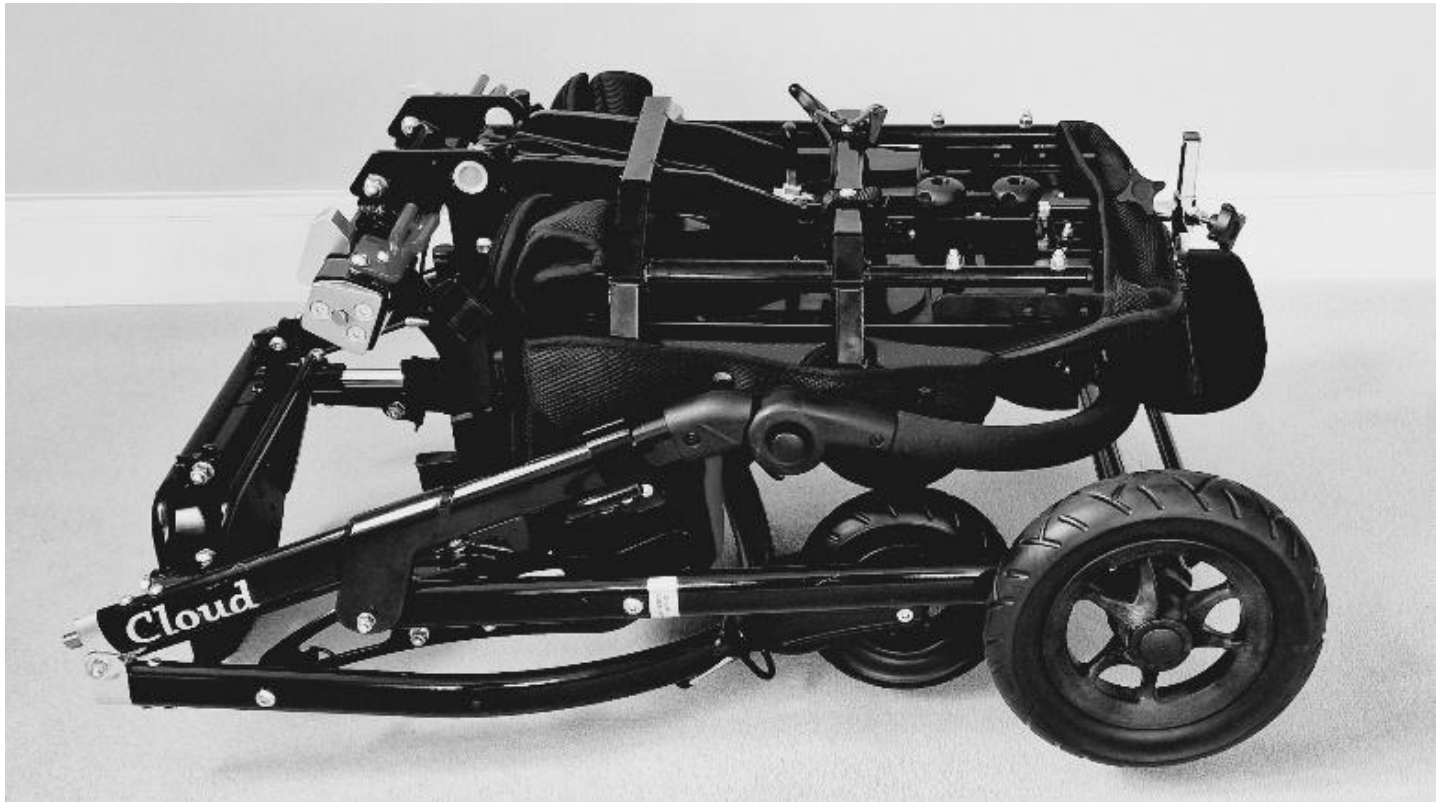


Fig 0.2 Cloud Pushchair Folded

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1: Your Cloud Pushchair Workshop Manual

The purpose of this manual is to help you get the best from your pushchair. It does this by telling you how to complete those maintenance and repair tasks that can be carried out by a competent person. The manual also tells you when you should contact the manufacturer who is:

Tendercare Ltd.
Unit 10 Minster Court, Courtwick Lane, Littlehampton, BN17 7RN
Tel: (01903) 726161 Fax: (01903) 734083
Email: info@tendercareltd.com
Web: www.tendercareltd.com

IMPORTANT:

This manual must be read and used in conjunction with the user manual.

The **Wheelbase** is made of a strong and lightweight aluminium alloy and mild steel oval tube. The wheelbase has 2 fixed rear wheels and 2 castor wheels at the front for easy steering, and features a side mount interface for the seat unit and a pin lock brake system.

The **Seat** features a lightweight aluminium frame with polypropylene boards for sliding elements. The seat unit includes gas spring assisted tilt-in-space and back recline mechanisms and a side mount interface system that allows the seat to be fitted both forward facing (in the direction of travel) and rearward facing (towards the carer) whilst maintaining the full range of adjustments. The seat offers a wide range of adjustable elements and accessories to offer postural support to the occupant, including an optional independent headrest for children with more complex head support needs.

Cloud Pushchair Technical Specifications:

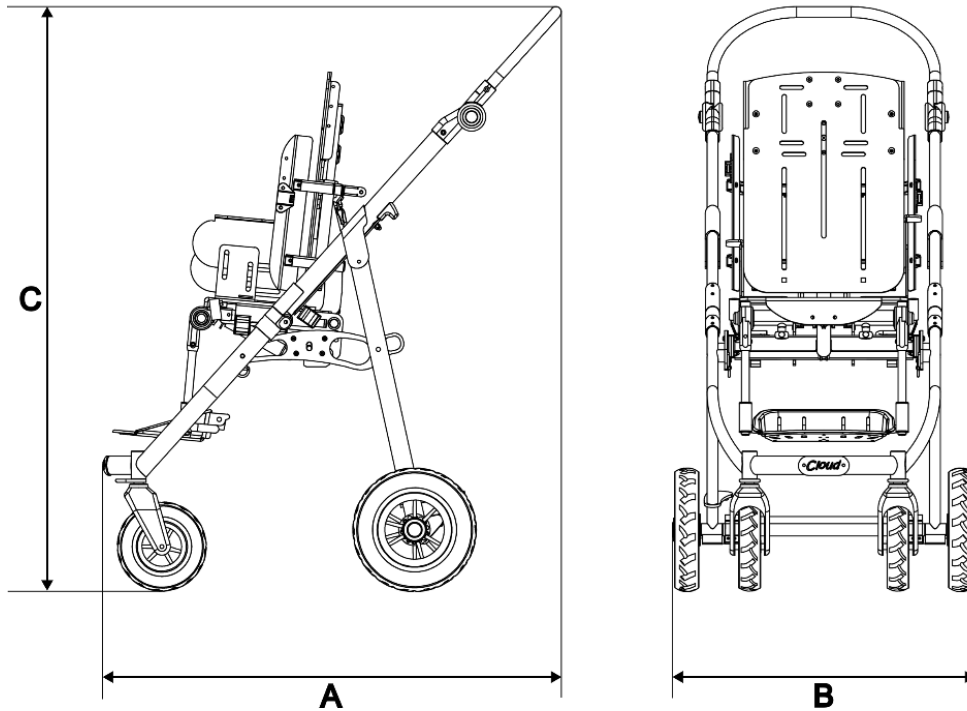
Support	Cloud Pushchair Size 1
Tilt in Space	10° to 40°
Seat Depth	190 to 290 mm
Seat Width	180 to 290 mm
Backrest Height	470 to 630mm
Footrest Depth	195 to 300 mm
Back Recline Angle	90° to 140°
Pushchair Weight	23.7Kg
Maximum Carry Weight – Seat*	40Kg
Maximum Carry Weight – Chassis**	55Kg Total

*Seat maximum carry weight is for the occupant and any accessories mounted to the seat.

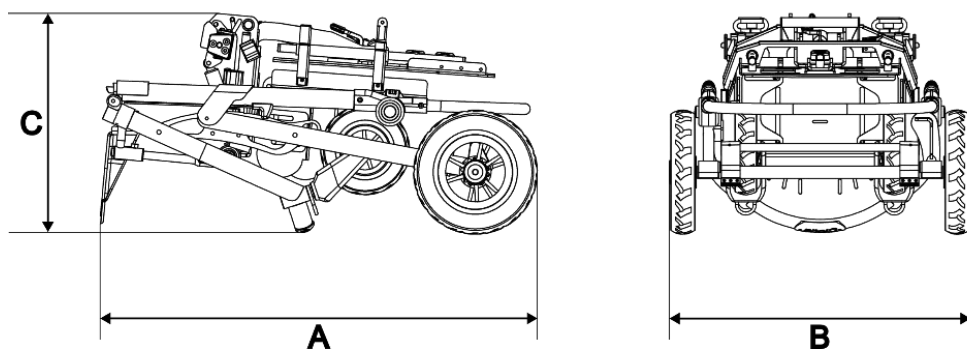
**Chassis maximum carry weight includes the weight of the seat, occupant and all accessories.

Cloud Pushchair Open Dimensions (mm):

	Dimensions (mm)
A	780
B	610
C	1069

**Cloud Pushchair Folded Dimensions (mm):**

	Dimensions (mm)
A	800
B	610
C	435



All sizes and weights are given as a guide. Tendercare Ltd reserves the right to amend specifications at any time as part of their product development programme.

2: Transit Packaging

The pushchair is supplied in a non-sterile condition in two cardboard cartons.

1. The chassis carton: Dimensions 670 x 460 x 1010mm and gross weight 17kg.
2. The seat carton: Dimensions 420 x 400 x 680mm and gross weight 13Kg.

WARNING:

The transit carton is quite bulky so moving and unpacking must be done with care. Observe all lifting and handling regulations.

Stand the box upright, making sure it is supported and cannot fall over. Open the box and remove any packing or packages, which could obstruct the removal of the wheelbase. Now remove the wheelbase.

The cartons should contain the following items:

Item	Component	QTY.	Yes	No
Carton 1:				
1	Cloud Chassis	1		
Carton 2:				
1	Cloud Seat	1		
2	Cloud Pushchair User Manual (covers chassis and seat)	1		

Important:

- ❖ ***If any items are damaged or missing, please contact Tendercare, either by email at info@tendercareltd.com, or by phoning us on (01903) 726161 within 36 hours of delivery.***

After unpacking and checking you have all components and they are in good condition, dispose of the packaging at your local recycling centre. Alternatively retain and reuse.

3: Tools and Torque Settings

The following tools are required to dismantle, reassemble and repair the Wheelbase / Interface:

Spanners and sockets:	8mm, 10mm, 13mm and 19mm
Hexagon Keys:	3mm, 4mm, 5mm and 6mm
Torque Wrench:	Range 0 to 50 Nm
Other Tools:	Rubber Mallet, Small Flat blade Screwdriver
Materials:	Loctite 243 Thread Lock

Torque Settings If Not Specified	
Spanner Size (mm)	Torque (Nm)
10	15
13	25
19	50

4: Preparing for use and operation

WARNING:

When opening or folding the wheelbase, ensure that you hold the frame so that you avoid any danger of catching your fingers in moving parts.

The following pre-delivery procedures should be carried out to check that the pushchair has not suffered damage during transit and that all features operate satisfactorily. Refer to the user manual for detailed instructions on performing each action.

4.1 Unfolding the Frame

Unfold and assemble the frame: Follow the instructions in section 4.1 of the user manual

Checks:

- Make sure all joints move freely
- Make sure the frame locks latch correctly
- Check that the push handle adjusters work
- Ensure that all fixings are secure and that the frame has not been bent or otherwise damaged during transit.

4.2 Brakes

Test the brakes: Follow the instructions in section 4.3A of the user manual

Checks:

- Make sure the brakes work correctly
- Check that the fixing bolts are secure

WARNING:

The break mechanism is spring loaded so care must be taken when operating it.

4.3 The Seat Interface

Test the operation of the interface: Follow the instructions on section 4.2 of the user manual to attach and remove the seat.

Checks:

1. Check that the lock bolts move freely and snap back to their closed position when the lever is released
2. Make sure the interface fits down and locks securely to the frame
3. Check that the interface releases correctly and that there is not excessive friction when removing the seat from the frame

IMPORTANT:

- ❖ ***The interface is spring loaded, so ensure your fingers are clear of the clips before fitting.***

4.4 Tilt in Space

With the seat fitted to the chassis, test the tilt in space mechanism: Follow the instructions on section 4.7 of the user manual.

Checks:

- Make sure that the tilt lever is free to move.
- Check that the seat tilts correctly and locks throughout its adjustment range.

IMPORTANT:

- ❖ *Always ensure any harness provided for the child is used and correctly adjusted before reclining or returning the seat to a more upright position.*
- ❖ *Always support the seat when tilting, as the gas springs can be quick to operate. If the seat is not supported, it may move swiftly and could cause the occupant distress.*

4.5 Seat back recline:

Test the seat back recline mechanism is working correctly by following the instructions in section 4.8 of the user manual.

Checks:

- Make sure the gas spring moves freely through its entire range of motion when released
- Ensure that the gas spring locks when the lever is released.
- Check that the fixing bolts for the gas spring are secure and that there is not excessive play between the gas spring and the mounting points on the seat when locked.

4.6 Seat standard adjustments:

All adjustments to the seat are made using hand wheels, or the 5mm hexagon key provided. Test the adjustment ranges of the seat base, hip width, footrest depth, footrest angle and back height as detailed in sections 5.2a – 5.2d of the user manual.

Checks:

- Ensure all elements are free to move over their entire adjustment range (note that the cover and harnessing may need adjusting to allow this- instructions on how to adjust these are given in section 5 of the user manual)
- Check that all elements lock correctly
- Check that the framework is square and has not been damaged during transit.

5: Final checks

1. Check that the cover is correctly fitted.
2. Check that all harnesses are secure and adjusted properly.
3. Check that the interface is located and locked correctly in the wheelbase.

6: Maintenance

To ensure continued safety and security and to maximise the service life of the product, it is recommended that all components of the Cloud Pushchair should be thoroughly inspected for wear and stability at the intervals specified within the Maintenance Sections of both the Cloud Pushchair User Manual and the Cloud Pushchair Workshop Manual.

For users subjecting the product to heavier or more frequent use, inspection intervals should be adjusted accordingly.

Should a problem be found when carrying out the regular checks, it should be immediately reported to the issuing authority or Tendercare Ltd.

In addition to your own internal records, a product maintenance service record is included within the User Manual and should be completed and updated accordingly.

6.1 Routine maintenance

The user's family can easily carry out the following tasks. No tools are required.

1. Carry out a visual assessment of the buggy to ensure that nothing appears missing, broken or loose (daily).
2. Check that the two M8 x 16 footrest bolts are in place and are tight by using the Allen key (daily). The supplied 5mm Allen key is required to tighten the footrest (daily).
3. Check all nuts, bolts, and hand wheels are tight (daily).
4. Check operation of the brake, folding and reclining mechanisms (daily).
5. Check the seat fits securely into the frame and can lock into place (daily).
6. Examine upholstery and postural accessories including harnessing for wear and arrange for replacement if necessary. (weekly).
7. Clean frame/covers when necessary (we suggest at least once a week).
8. If the pushchair is fitted with pneumatic tyres, regularly check the condition of the tyre. Ensure tyres are inflated to 36 psi (if too low use a suitable hand or foot pump, do not use an air-line or mechanical inflator, and do not over inflate the tyre). In the event of a puncture, you will need to purchase a set of tyre levers and a puncture repair kit from a reputable bicycle shop. Always follow the instructions given in the puncture repair kit.
9. Always wipe the wheelbase and seat frame dry. Never put them away damp.

6.2 Annual maintenance

On an annual basis, please ensure the below checks are carried out by either a competent tradesman or approved repairer. Frequency of maintenance should be increased for heavier users. If you discover a fault or any signs of damage, immediately stop using the pushchair and contact the appropriate authority for further instruction and inspection. This may be the approved repairer, the authorised distributor (e.g. a wheelchair service) or Tendercare Ltd. If you discover either damage or a fault which is not listed below, stop using the product and immediately contact the appropriate authority. Similarly, if you have any queries or concerns, please contact the appropriate authority. If you are unsure who to contact, contact Tendercare Ltd directly.

1. Fold and open the wheelbase. Check all movements through the folding range are free, easy and unobstructed. Examine the seat/frame for any damage.
2. Check the operation the seat tilt in space mechanism. Check the gas strut and the gas strut release head for any signs of damage. In addition to the annual check, as the gas strut release head is an aluminium part, we recommend replacing every three years. However, replacement of this part may need to be sooner than the recommended time period and more frequent for heavier users.
3. Examine accessories for wear and damage and arrange for replacement if necessary.
4. Examine nuts, bolts, pivots and frame plugs for tightness and general condition.
5. Examine brake assembly for wear, damage and correct operation.
6. Examine tyres for sharp objects, cuts or splits.
7. Examine castors and wheels for excessive wear. Check the horizontal castor fixing bolt to ensure the castor wheel is not experiencing excessive movement
8. Check castors and rear wheels for free rotation, fit and accumulation of any fluff and grit. Remove any fluff and grit with a dry lint free cloth.
9. Check the seat interface fits securely into the frame and they are not worn or damaged.
10. Check the interface lock bolts to ensure the springs return the lock bolts to the closed position when released.

The above is not an exhaustive list of all checks but designed to be used as a guide.

6.3 Three-yearly maintenance

1. The chassis gas strut release head is aluminium and so we recommend this is routinely replaced every three years. Replacement of this part may need to be sooner than recommended time period and more frequent for heavier users.

For all other repairs refer to your issuing authority or Tendercare Ltd.

7: Repairs

Only an authorised repairer should carry out the following repairs.

1. Repairs: For all repairs contact your issuing authority
2. Major repairs: For all major repairs e.g. bent or damaged frame, the wheelbase / interface should be returned to the factory. Contact Tendercare Ltd, customer services on 01903 726161, or email to info@tendercareltd.com
3. Factory replacement components should be used in all repairs. These are available from Tendercare. Please refer to the parts lists at the end of this manual (section 10) for details of replacement parts.

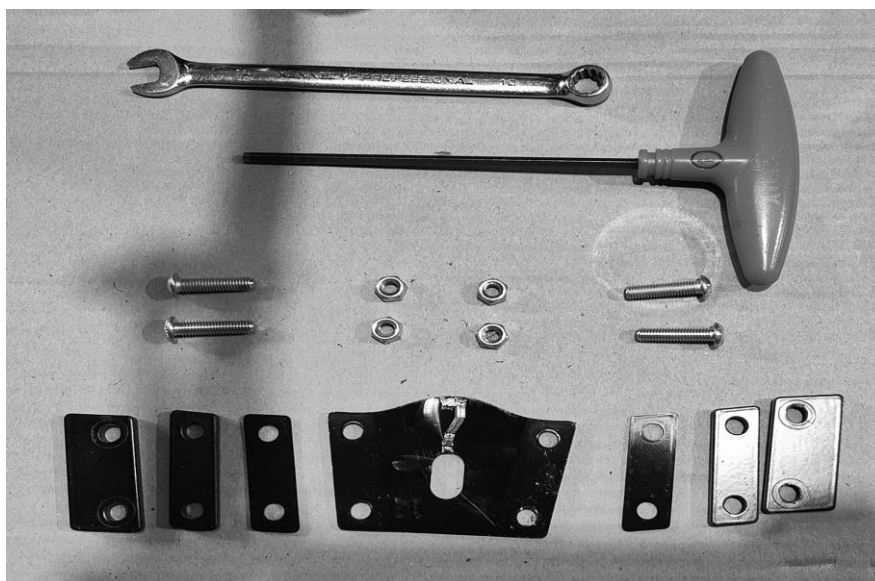
Important points when performing a repair:

1. Do not reuse Nylock nuts, always replace with a new nut
2. Always use Loctite thread locking compound grade 243 on all threads when reassembling any part of the system.
3. Always use the recommended component parts available from Tendercare Ltd.
4. Do not attempt to correct bent framework or perform any modifications to welded parts. If any main framework sections are bent or damaged please return the product to the factory.

7.1: Chassis Interface Assembly:

The Cloud chassis interface provides a pair of tapered mounting points on the insides of the side plates for the seat crossbar to locate into. This arrangement allows the seat to be fitted both forward and reward facing as needed, whilst retaining the full set of adjustments of the seat.

The following instructions cover how to dismantle and correctly reassemble one side of the chassis interface should any component become worn and require replacing:



Parts (1 side):

1. 1 x 057rkf011.12 Interface Nylon Plate
2. 2 x 057rkf011.13 Interface Spacer Plate
3. 2 x 057rkf011.14 Interface Spacer Block
4. 2 x 057rkf011.15 Interface Front Catch Block

Fixings:

5. 4 x M6 x 30mm Socket Button Screws
6. 4 x M6 Type T Nylock Nuts

Tools:

7. 4 mm Hex Key
8. 10mm Spanner



Fig 7.1.1

To remove the Cloud chassis interface, use a 4mm hex key and 10mm spanner to undo the 4 M6 type T nylock nuts (see Fig 7.1.1, left) and remove the interface components taking note of the positions of each piece.

To reassemble the Cloud Chassis interface:

Place the 4 x M6 x 30mm socket button bolts through the holes in the side plate, with the bolt heads to the outside as shown in Fig 7.1.2, right.



Fig 7.1.2



Fig 7.1.3

Place the interface nylon plate over the bolts as shown (see Fig 7.1.3, left).

Position an interface spacer plate over each pair of bolts, being careful to orient the plate so that it lines up with the sides of the nylon plate as shown in Fig 7.1.4, right.



Fig 7.1.4



Fig 7.1.5

Position an interface spacer block over each pair of bolts to line up with the space plate and sides of the nylon plate as shown (see Fig 7.1.5, left).

Place an interface catch plate over each spacer block, so that the overhang is to the insides as shown in Fig 7.1.6.



Fig 7.1.6



Fig 7.1.7

Place an M6 type T Nylock nut onto the end of each bolt as shown (see Fig 7.1.7, left).

Secure all 4 bolts fully using the 4mm hex key and 10mm spanner as shown in Fig 7.1.8.



Fig 7.1.8

7.2: Rear Wheels:

Replace if damaged or worn. To change the rear wheel:



Parts:

- 1 x Rear Wheel
- 1 x Rear Wheel Cap
- 1 x M8 Form A Washer
- 1 x M12 Form A Washer

Tools:

- Loctite 243
- Flat Blade Screw Driver
- Socket set with 19mm Socket
- Torque Wrench with 19mm Socket



Fig 7.2.1

- Remove the wheel cap using a small screwdriver (see fig 7.2.1 left)

- Using a 19mm socket, undo the axle bolt and remove the wheel from the frame (see fig 7.2.2 right)



Fig 7.2.2



Fig 7.2.3

- Place the M12 bolt through the rear wheel, with an M12 Form A washer on the pushchair side as shown (see Fig 7.2.4, right).

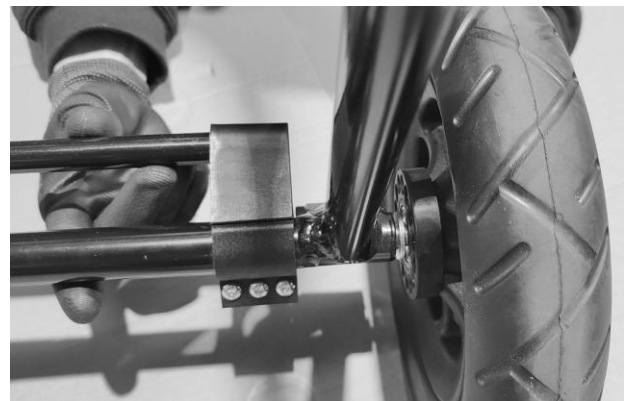


Fig 7.2.4



Fig 7.2.5

- Apply a pea-sized amount of loctite 243 to the bolt thread, and thread into the threaded hole in the frame.

- Tighten to 35Nm with a torque wrench

- Place an M8 Form A washer onto the inside of the rear wheel cap as shown in Fig 7.2.6, right.



Fig 7.2.6



Fig 7.2.7

- Finally push fit the wheel cap over the bolt head.

7.3: Front Castors

Replace if damaged or worn. To change the front castor:

**Parts:**

- 1 x Castor Fork
- 1 x Castor Wheel
- 1 x Front Tie Down Bracket
- 1 x M8 x 75mm Socket Cap Bolt
- 1 x M8 Nylock Dome Nut
- 1 x M8 x 55mm Hex Head Bolt

Tools:

- Loctite 243
- 5mm Hex Key
- Socket Set with 19mm Socket
- Torque Wrench with 19mm Socket



Fig 7.3.1



Fig 7.3.2

- Remove the wheel by unscrewing the M8 socket cap bolt using a 5mm hexagon key (see Fig 7.3.1, left).
- Push the Nylock dome nut out from the castor fork using the hex key as shown (see Fig 7.3.2, left).

- Next remove the castor housing and front tie down by undoing the main M12 bolt using a 19mm socket as shown in Fig 7.3.3 (right).

**Fig 7.3.3****Fig 7.3.4**

- To fit the new castor, first ensure the wheel is removed from its housing.
- Apply Loctite 243 to the threads on the frame as shown (see Fig 7.3.4, left).

- Place the M12 front castor bolt through the castor housing and the tie down bracket, making sure to keep the loop of the tie down bracket facing the front of the frame (see fig 7.3.5 right).

**Fig 7.3.5**



Fig 7.3.6

- Tighten the M12 bolt to 35Nm with a torque wrench. This should secure the castor hosing and front tie down bracket.

- Place a new M8 Nylock dome nut into the cut out in the castor housing as shown in Fig 7.3.7, right.



Fig 7.3.7



Fig 7.3.8

- Locate the front castor into the fork, then secure using the M8 x 75mm Socket Cap screw as shown (see Fig 7.3.8, left).

- Screw the new wheel into the castor housing using a 5mm hexagon key and tighten firmly (no other tool is required to fit the wheel as the castor housing includes a captive nylock nut).



Fig 7.3.9

7.4: Pin Brake Assembly

Replace the brake bar if it is bent or damaged. The springs, actuators and guide bushes can also be replaced if worn.

IMPORTANT

- ❖ *The brake system uses two compression springs. Care must be taken when working on the brake mechanism. The following instructions are the recommended method to safely dismantle the brake assembly. If you are not confident to work on this assembly please return your frame to the Tendercare factory.*

To remove the pin brake. First set to the brake to the ON position (for instructions how to do this please refer to the user manual).

Then, remove the rear wheels (see section 7.2).



Fig 7.4.1

**Fig 7.4.2**

With the brake bar set to 'On' place a hex key or screwdriver through the access hole in the brake actuator to push the pin out as far as it will go- this will reveal the 2mm 'assembly' hole in the brake pin (see Fig 7.4.2, left).

**Fig 7.4.3**

Push a 2mm pin through the assembly hole (pins will be provided with replacement brake parts).

This will hold the brake pins in the fully extended position.

**Fig 7.4.4**

Using a hex key and spanner / socket remove the 6 socket button bolts that secure the brake actuator to the actuator caps as shown (see Fig 7.4.4, left).

With all the bolts removed, slide the brake actuator caps towards the middle of the frame and remove them as shown (see Fig 7.4.5, right).

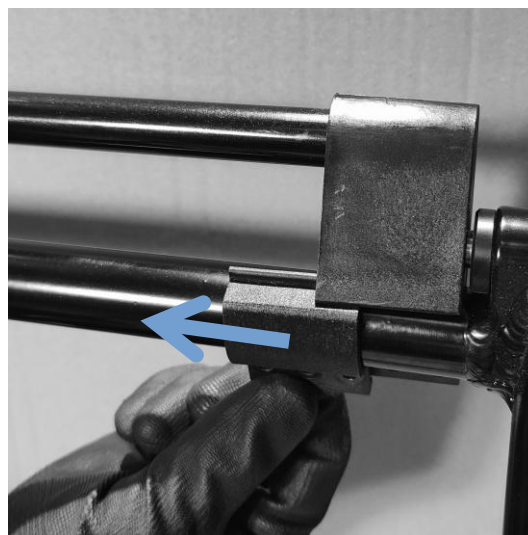


Fig 7.4.5



Fig 7.4.6

Fig 7.4.6 Left: The brake bar with the actuator caps removed.

You will now be able to remove the brake bar assembly from the frame.



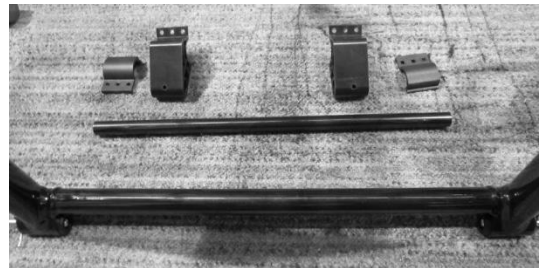
Fig 7.4.7

**Fig 7.4.8A****Fig 7.4.8B**

The brake bar is fitted to the actuators using 4mm aluminium pop rivets. Care must be taken when removing the rivets to avoid damaging the actuator plastics.

We recommend using a punch / hammer to knock the head out of the rivet (see Fig 7.4.8A, left) and then carefully drill through the rivet with a 4mm drill bit as shown (see Fig 7.4.8B, left).

Fig 7.4.9 Right: The brake bar removed from the actuators.

**Fig 7.4.9****Fig 7.4.10**

To remove the lock pins, springs and guide bushes: First place a block of wood on the inside of the frame as shown in Fig 7.4.10 (this is to provide a stop for the brake pin when the spring is released).

With the block of wood held in place, pull out the 2mm pin to release the brake pin.

With the pressure of the spring safely released, now push the brake pin, spring and guide bush out of the mounting on the frame.



Fig 7.4.11

To re-assemble the pin brake assembly:

Place the wheelbase with the front frame down onto a flat surface (this provides easier access to the brake mounting points).

Slide the guide bush, spring and brake pin into the mounting point as shown (see Fig 7.4.12, right).



Fig 7.4.12



Fig 7.4.13

Ensure you have a pair of 2mm pins available.

Push the brake pin into the frame against the spring as shown, such that the assembly hole is visible. Placing a piece of flat material against the back of the pin can make it easier to push through (see Fig 7.4.13, left).

Push a 2mm pin through the hole to lock the pin in place.

Repeat this for both sides, and then follow the reverse of the dismantling instructions to assemble the rest of the brake assembly.



Fig 7.4.14

7.5: Tilt In Space Gas Spring

Replace the gas spring if it is damaged or worn. Please note, as the gas strut release head is aluminium, we recommend this is replaced every three years. Instructions to replace just the release head can be found after the complete gas spring replacement instructions.

To remove the gas strut:



Fig 7.5.1

- Remove the seat from the chassis, and place face down onto a workbench.
- Undo the bolt securing the bottom end of the gas strut to the seat crossbar using a 5mm hex key and a 13mm spanner. Take note of the position of the washers and spacers.
- Use a pair of 13mm spanners to undo the bolt securing the release head of the gas spring to the underside of the seat. Take note of the position of the washers and spacers.

- To remove the Bowden cable, use 2 small screwdrivers to release the “screw nipple” (see right) and then slide it along the excess cable as shown in Fig 7.5.2



Fig 7.5.2

- Place a small screwdriver between the gas spring and the plastic clip on the Bowden cable and lever the clip away from the spring housing.
- To fit the new gas spring, clip the cable onto the head of the new spring, slide the screw nipple into the lever and tighten the lock nut. Do not overtighten. Then remount in the same way as the original spring was fitted.
- Once fitted, test the operation of the gas strut as detailed in section 4.4 of this manual

7.5.1: How to replace the gas strut release head only:



Fig 7.5.1a

When ordering a replacement gas strut release head, the release head may either arrive in two parts or they may be supplied pre-fitted together. If you receive two individual parts, you need to fit these together by aligning the two hexagonal ends and tapping together with a hammer making sure the parts are fully seated.



Fig 7.5.1b

Partially tilt the centre section to make it easier to see the gas strut/components and to undo parts. Gently lever off the cable mounting using a screwdriver. Please note, you need to ease out the top and the bottom of the tilt cable end kit using a screwdriver so it can come away from the gas strut without breaking. If you just lever out the top of the cable end kit, this part may break and then need replacing.



Fig 7.5.1c

Using two 13mm spanners, undo the lower gas strut bolt. Take a note of the position / number of spacers and washers as there may not be an even number each side. Remove the bolts, washers and spacers.

Undo the gas spring lock nut using a 17mm spanner whilst using a screwdriver to hold the head. Then twist off the gas strut release head lever by hand.



Fig 7.5.1d



Fig 7.5.1e

Having fitted the new release head together if required (as per step 1), fit the gas strut lever into the gas strut release head, as shown right and fit onto the gas spring. Tighten until the notch is just touching the pin. Please note the notch in the gas strut release lever needs to locate with the pin. The pin as shown left. However, you will not be able to see this as the lever is inside the gas strut release head. This picture is just for information purposes.

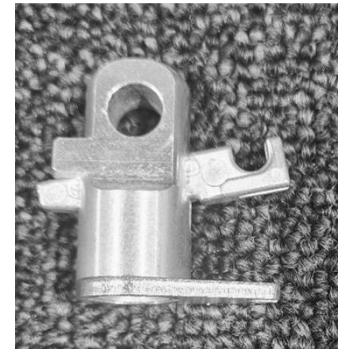


Fig 7.5.1f



Fig 7.5.1g

Then turn back a quarter of a turn so the lever has a slight bit of movement. Tighten using a 17mm allen key and screwdriver which goes through the head of the gas spring. The cable end needs to be pointed down as shown right.

Refit the bolts, spacers and washers in the same order you took them off in. Tighten until the spacers stop spinning and there is no rocking the gas spring head and bolt. Tighten using 2 x 13mm spanners.



Fig 7.5.1h

Refit the tilt cable. Place the metal screw stop on the tilt cable back into the fork on the gas strut lever and pop the plastic cable end fixings into the gas spring cable head mount.



Fig 7.5.1i

7.5.2 Change the end fittings on the gas spring cable: To replace the end fitting on the gas spring:

To order just the end fittings, order part SN7300B (please see the Cloud Chassis parts list). Alternatively a whole tilt cable assembly can be ordered under part code SN3700.

Right: The end fittings as supplied; A- aluminium crimp fitting B- the plastic cable mounting



Fig 7.5.2a



Fig 7.5.2b

First cut the end of the steel cable and crimp fitting off of the old cable using a pair of wire cutters. Leave as much of the excess cable as possible when doing this.

Next loosen the 'screw nipple' with a small screwdriver and slide off the end of the cable (please retain this part).



Fig 7.5.2c



Fig 7.5.2d

Remove the old cable end fitting using a screwdriver and slide off the end of the cable.

Next take the new end fitting and slide onto the end of the cable, then push fit back onto the clip point on the gas spring.

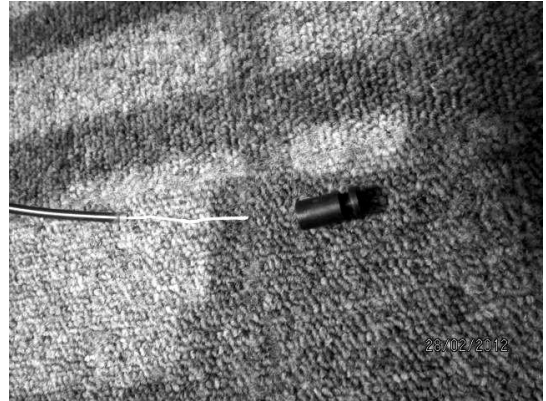


Fig 7.5.2e



Fig 7.5.2f

Slide the 'screw nipple' back onto the cable, into the scoop in the gas spring head lever, making sure all the slack is taken up in the cable, tighten with the screwdriver. Finally grip the aluminium end crimp in a large pair of grips, slide over the cut end of the cable and squash to prevent the cable end from fraying.

Finally test the operation of the gas spring, if the gas spring will not release, check the cable for slack and adjust the 'screw nipple' as required. For more details on the correct operation of the tilt mechanism please refer to the user manual.

7.5.3: Replace the tilt cable, leaving the release lever in place:

Replace the tilt cable if damaged or worn. This is the preferred method providing the release lever is OK. If the release lever needs to be replaced follow the instructions in section 7.5.4.

First release the 'screw nipple' on the old tilt cable using 2 screw drivers.



Fig 7.5.3a



Fig 7.5.3b

Slide this down to the end of the cable to provide some slack as shown (see left). Note the new cable will also need to be loosened off.

Using a small screwdriver, separate the cable mounting from the gas spring as shown (right).



Fig 7.5.3c

**Fig 7.5.3d**

Slide the cable cover and conical mounting point down as far as it will move, taking up the spare cable from the bottom so that the cable is exposed at the release lever end.

Lift the lever up, and slide the cable out of the slot in the lever mounting.

Unhook the cable from the lever, and then slide the cable out from the frame taking note of the routing (the correct routing is via the rear D ring, up and through the upper to rear frame joint).

Note that the replacement cable is supplied with the mounting and lever, separate the new cable from the mounting and then fit onto the original mounting on the frame, by following the reverse of this procedure.

**Fig 7.5.3e**

7.5.4: Replace the tilt cable and release lever assembly:

Replace the entire cable and lever assembly if the lever is damaged or worn.

Use a punch and 5mm drill to remove the two rivets securing the tilt lever mounting to the back of the seat as shown (see Fig 7.5.4a, right).

Next, use the punch and 5mm drill to also remove the 2 x pop rivets securing the tilt lever to the mounting.



Fig 7.5.4a

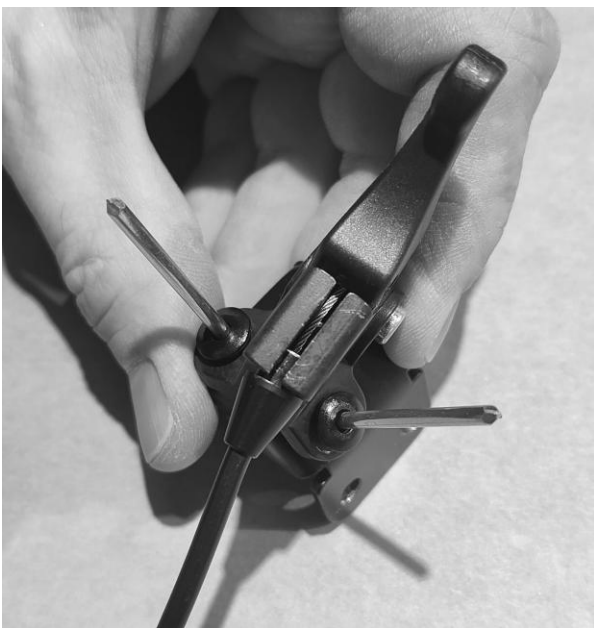


Fig 7.5.4b

Separate the cable from the gas spring, and remove the entire cable taking note of its routing (for more details on releasing the cable from the seat, see section 7.5.3).

Fit the new release lever to the mounting using 2 x 4.8mm x 14mm black pop rivets as shown (see Fig 7.5.4b, left).

Re-attach the mounting and new lever to the back of the seat using 2 x 4.8mm x 14mm black pop rivets, and route the cable back under the seat as before, and re-attach to the gas spring following the instructions detailed in section 7.5.3 of this manual.

7.6: Back Recline Gas Strut:

Replace the gas spring if it is damaged or worn. Please note, as the gas strut release head is aluminium, we recommend this is replaced every three years. Instructions to replace just the gas strut release head can be found after the complete gas spring replacement instructions.

To remove the gas strut:



Fig 7.6.1

- Lift the seat onto a suitable workbench and sit it on its interface with the seat back angle set at 90 degrees.
- Using 2 x 13mm spanners undo the gas strut fixing bolts. Take note of the position of the washers and spacers.

- Remove the release lever; undo the release head by placing a bar (e.g. shank of a screwdriver) through the mounting hole in the head, and loosen with a 13mm spanner as shown in Fig 7.6.2.
- Next, unscrew the gas spring from the head and remove the release lever.



Fig 7.6.2

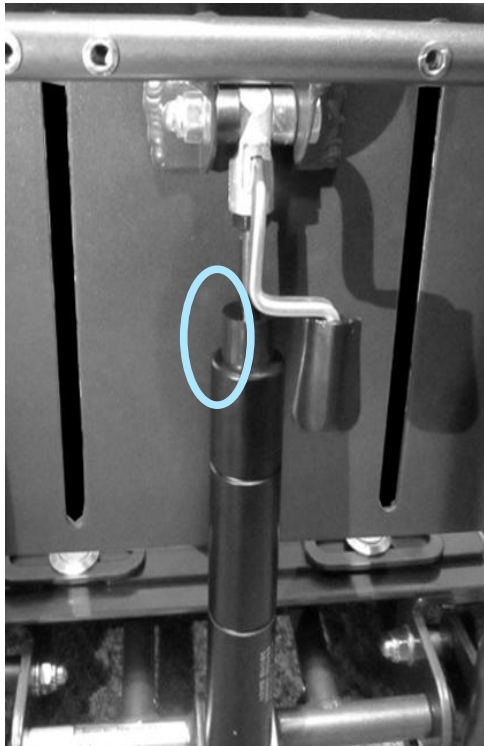


Fig 7.6.3

- To reassemble the new gas spring, place the release lever into the head, and screw in the gas spring so that the pin on the end of the gas spring locates into the notch in the lever. Note: for Cloud seats fitted with the dynamic gas strut, you will need to place the dynamic strut restrictor (circled) between the body of the gas strut and the m8 lock nut (see Fig 7.6.3).

- Tighten the m8 lock nut until there is no movement between the pin and release lever, then unscrew the gas spring by $\frac{1}{4}$ of a turn. This ensures that there is the correct amount of play between the pin and release lever. Do not over tighten.



Fig 7.6.4

- Finally secure the release head by placing a bar through the mounting hole, and tighten with the 13mm spanner.

IMPORTANT:

- ❖ ***Ensure that there is a small amount of play between the release lever and pin on the end of the gas spring. If this is too tight, the gas spring may not lock correctly, or could have the tendency to 'creep' when in a locked position.***

7.6.1: How to replace the gas strut release head only (back recline gas spring)

To replace the gas strut release head:



Fig 7.6.1a

Using a 13mm spanner, undo the lock nut underneath the gas strut release head.

Using 2 x 13mm spanners, undo the 8mm bolt going through the top of the gas strut release head.



Fig 7.6.1b



Fig 7.6.1c

There will be multiple 8mm washers and spacers, take a note / photo showing the position of these parts as there may not be an even number or the same number each side and you need to refit them in the correct place later.

Undo the gas strut head (the lever may come away from the head) and remove the bolt. Dispose of the old gas strut head.



Fig 7.6.1d



Fig 7.6.1e

Place the gas spring release head lever inside the release head and fit onto the gas spring. Tighten until the notch is just touching the pin and then turn back a quarter of a turn so the lever has a slight bit of movement.

Please note, the notch in the gas strut release lever needs to locate with the pin, as shown in Fig 7.6.1f, right. However, you will not be able to see this as the lever is inside the gas strut release head. This picture is just for information purposes.



Fig 7.6.1f



Fig 7.6.1g

Using a 13mm spanner, nip the lock nut so it does not move, as shown left.

Replace the 8mm bolt, the washers and spacers in the same position you removed them from. Tighten using 2 x 13mm spanners. Tighten just until the spacers stop spinning and there is no rocking motion of the backrest on the bolt. Lastly, tighten the m8 lock nut using the 13mm spanner.



Fig 7.6.1h

7.6.2: Lock the Back Recline

The following instructions detail how to remove the back recline adjustment lever in order to lock the back recline in a single position.



Fig 7.6.2a

- First, position the back rest to the desired fixed position* (please refer to section 4.8 of the user manual for how to adjust the angle of the backrest).
- Next, use a 13mm spanner to loosen the black nut on the gas strut (3 turns should be sufficient) as shown (see Fig 7.6.2a, left).

- Using a pair of 13mm spanners, remove the M8 bolt that secures the top of the gas spring the back rest of the seat as shown (see Fig 7.6.2b, right). Take note of the positions of the spacers, washers and nuts.



Fig 7.6.2b



Fig 7.6.2c

- Hinge the gas spring away from the back of the chair (it will pivot on the lower bolt) and unscrew the head a few turns and then remove the lever.

- Screw the head back onto the gas spring and lock in place using the lock nut and a 13mm spanner.
- Fix to the backrest using the M8 bolt, replacing the washers and spacers in their original position.



Fig 7.6.2d

Important:

****The Cloud Seat is only crash tested with the backrest set to a 90 degree angle. If the backrest angle is fixed at any angle other than 90 degrees, the seat can no longer be used for transport in an adapted vehicle.***

7.7a: Replace Push Handlebar Grips

To change the push handlebar grips, first remove the push handle adjusters as detailed in section 7.7b below. Next, using a knife, cut off the existing handlebar grips. Before fitting the new grips, clean the bar of any residue. To prevent sliding / rotating of the handlebar grips on the push handle, we recommend spraying the inside of the handlebar grips with firm hold hairspray. Fit the new grips onto the bar and refit the push handle adjusters as shown in section 7.7b below.

7.7b: Replace Push Handle Adjusters

Replace if damaged.



Fig 7.7.1

First Drill off the 8 x pop rivets securing the old adjusters with a punch and 5mm drill, and then separate the adjusters from the upper frame and push handle tubes.

Upend the frame and remove the rivet ends from inside the tube.

Take the new adjuster and tap onto the frame using a mallet until the hole in the adjuster lines up with the hole in the frame.

Ensure that the adjuster is positioned so that the round body is facing down and that the release button is to the outside of the frame. Please note that the push handle adjusters used on the Cloud are handed.



Fig 7.7.2



Fig 7.7.3

Note the fit of the adjuster is very tight, if it is not possible to get the hole to fully line up it may be necessary to clear the holes using a 5mm drill bit.

Secure the new adjusters onto the frame with 4 x 4.8mm x 14mm black pop rivets.

Next fit the push handle into the top of the adjusters (ensuring that both adjusters are set at the same angle), tap down with the mallet and secure with a further 4 x 4.8 x 14mm black pop rivets.



Fig 7.7.4



Fig 7.7.5

Left: The new push handle adjuster fitted to the frame.

7.8: Knee Angle Adjustor and Play Tray Bracket

Replace the seat knee angle adjustor if damaged or worn. Fit new play tray brackets if they have been removed.

To replace the knee angle adjustor:

Set the footrest to a horizontal position (i.e. in line with the seat base) and place the whole seat onto a flat surface.



Fig 7.8.1

**Fig 7.8.2**

Undo the nut and bolt securing the footrest rod, taking note of the position of the bolt head and washers, using a 3mm hexagon key and an 8mm spanner, then separate the footrest rod from the adjuster as shown (left).

Undo the countersunk screw that holds the seat base support tube, play tray bracket and knee angle adjuster to the seat plate using a 4mm hex key and 10mm spanner as shown (see Fig 7.8.3, right).

Make a note of the positions of the nut, washer and spacer.

**Fig 7.8.3**



Fig 7.8.4

Undo the rear bolt securing the knee angle adjuster using a 3mm hex key and 8mm spanner (this bolt goes through the play tray adaptor), again taking note of the position of the washers and nuts etc. Remove the bolt then slide the knee angle adjuster off of the seat base support tube.

Fig 7.8.5: The knee angle adjuster, seat base support tube and play tray bracket dissassembled.



Fig 7.8.5



Fig 7.8.6

Slide the new knee angle adjuster onto the seat depth support tube (orient the release button such that it will be on the outside when fitted to the seat), and position the play tray adaptor onto the adjuster. Secure with the M5 x 30 socket button bolt, was and a new M5 nylock dome nut.

Note the new knee angle adjuster will not be drilled for the M6 countersunk bolt. Drill through the adjuster with a 6mm drill bit using the play tray bracket as a guide (see Fig 7.8.6, left).

Fig 7.8.7: The fixings to re-attach the seat support tube / knee angle adjustor assembly to the seat:

- 1 x M6 x 50 countersunk bolt
- 1 x spacer bush
- 1 x M6 Form A washer
- 1 x M6 Nylock Dome Nut

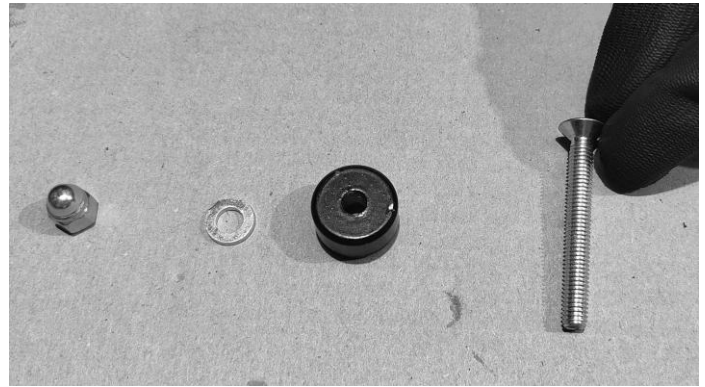


Fig 7.8.7



Fig 7.8.8

Slot the seat base support tube into the receiver on the seat base frame, and position the spacer between the seat base plate and the top of the play tray bracket. Push the M6 countersunk screw through the seat base, spacer, play tray bracket and knee angle adjustor as shown in Fig 7.8.8, left.

Secure the new adjustor in place with the M6 form A washer and a new M6 Nylock dome nut, then reattach the footrest rod.

7.9: Footrest Parts:

If a complete footrest assembly is ordered, it comes supplied with footrest slide with the tray pre-assembled, footrest stems and the angle adjusters. For information on fitting these please refer to the instructions given in section 7.8 (for the angle adjusters), and 7.9.1 (for the stems) and 7.9.3 (for the slide and tray assembly) below.

7.9.1: Footrest Stems:

To replace the footrest stems:



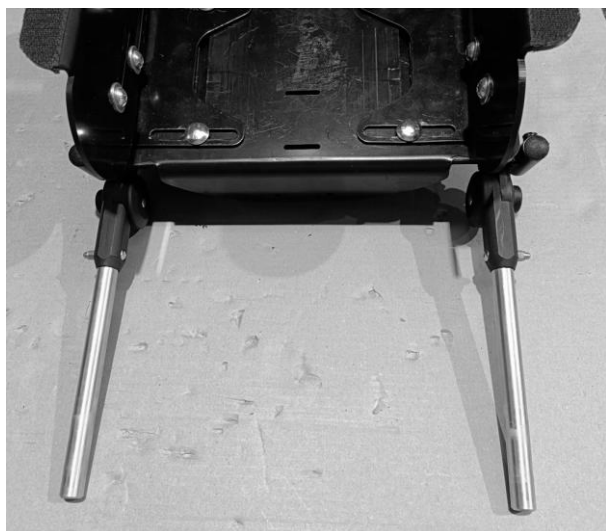
Fig 7.9.1.1

Remove the seat unit from the chassis, and place it on a flat surface (see Fig 7.9.1.1).

Unscrew the self-tapping screws from the end of the old footrest stems as shown (see Fig 7.9.1.2).



Fig 7.9.1.2

**Fig 7.9.1.3**

Make sure the footrest locking screws are loose, and then slide the footrest assembly off of the stems (see Fig 7.9.1.3).

Using a 3mm hexagon key and an 8mm socket or spanner, remove the M5 bolt securing the stem to the knee angle adjustor (as shown in Fig 7.9.1.4). Take note of the position of the washers. Then remove the stems.

**Fig 7.9.1.4**

To fit the new stems: Follow the reverse of this procedure, and fit with a new Nylock dome nut (never re-use Nylock nuts).

7.9.2: Footrest Tray:

Remove the footrest slide assembly from the pushchair, to do this:

- Remove the 2 x self-tapping screws from the end of the footrest stems.
- Loosen the footrest slide locks
- Slide the footrest assembly off the end of the stems.

For more details on this procedure please refer to section 7.9.1 above.

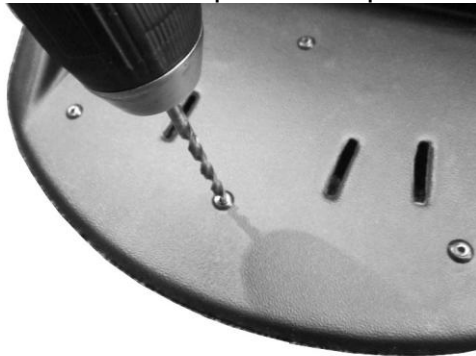


Fig 7.9.2.1

Place the footrest slide assembly onto a flat surface.

Using a punch and a 5mm drill bit, drill off the 6 rivets that secure the plastic tray to the metal base plate.

Position the new foot tray onto the base plate, so that the cut out slots in the tray line up with the holes in the plate. Using a 5mm drill and the base plate as a template, drill off the 6 mounting holes in the new foot tray.



Fig 7.9.2.2



Fig 7.9.2.3

Secure the new tray onto the base plate using 6 x black 4.8 mm rivets (supplied).

Finally, re-attach the foot tray assembly onto the footrest stems, and secure with the 2 x self-tapping screws.

7.9.3: Footrest Slide Assembly:

The footrest slide assembly will come pre-assembled complete with the plastic tray. To fit the new assembly, simply remove the old slide assembly following the instructions given in section 7.9.1 above. Slide the new assembly in place and secure back in place.

7.10 Instructions to fit a Vertical Cylinder Carrier to the pushchair:

Note: These instructions only apply if the cylinder carrier has been supplied after initial delivery of the pushchair. Normally the carrier is fitted in the factory before dispatch. The following procedure is only to be carried out by a competent trades person.

The cylinder carrier is supplied as a kit of parts. The mounting plate must first be assembled to the frame, then the cylinder support is attached to the mounting plate once in position.



Fig 7.10.1

Parts:

- A. 2 x M5 Washers
- B. 2 x 4.8 x 16mm Black Pop Rivets
- C. 1 x M6 Type T nylock nut
- D. 2 x 8mm Black Spacers
- E. 1 x M8 Nylock Dome Nut
- F. 1 x M8 x 65mm Hex Bolt
- G. 2 x 25mm Cam Buckle Straps
- H. 1 x Cylinder Support
- I. 1 x Mounting Plate

Tools (not shown):

- J. 4mm Hexagon Key
- K. 5mm Hexagon Key
- L. Socket set with 10mm and 13mm sockets
- M. 13mm Spanner
- N. Rivet Gun

**Fig 7.10.2**

The cylinder carrier comes supplied pre-drilled to fit on the right-hand side of the chassis (looking from the rear of the frame).

First, remove the M6 nylock dome nut on the right-hand outside of the frame as shown in Fig 7.10.2, left.

Leave the bolt and washers in place.

**Fig 7.10.3**

Next, remove the M8 nut and bolt from the right-hand rear frame / side plate joint as shown in Fig 7.10.3.

Take note of the position of the frame spacer and washers.

**Fig 7.10.4**

Place the supplied M8 hexagon head bolt into the lower counterbored hole in the mounting plate as shown (see Fig 7.10.4, left).

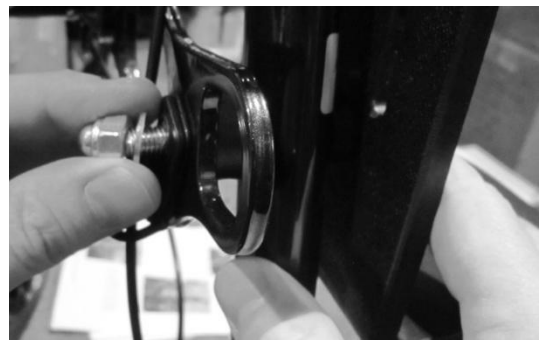
Place the 2 x 8mm black spacers on the other side of the bolt as shown in Fig 7.10.5, right.

**Fig 7.10.5**

**Fig 7.10.6**

Position the mounting plate against the right-hand side of the Cloud chassis and push the M8 hex head bolt through the rear frame, spacer, side plate and P-Clip as shown (see Fig 7.10.6, left).

Fit the original M8 washer over the end of the bolt and secure with the supplied new M8 nylock dome nut (never reuse nylock nuts).

**Fig 7.10.7****Fig 7.10.8**

Tighten the joint using the 13mm spanner and socket, to the point that there is no slack, but the bolt / nut can still be rotated if you turn the bolt head.

Push the M6 socket button bolt through the upper counterbored hole in the mounting plate and fit the M6 type T nylock nut onto the end of the bolt placing it into the counterbored hole as shown (see Fig 7.10.9, right).



Fig 7.10.9



Fig 7.10.10

Secure the bolt in place using a 10mm socket and 4mm hexagon key to the point that there is no slack, but the bolt will turn if rotated with the hex key.

Place the cylinder support onto the mounting plate as shown in Fig 7.10.11, right. Push the pop rivets through the hole in the support and mounting plate.



Fig 7.10.11



Fig 7.10.12

Place a 5mm washer over the end of the pop rivet on the rear of the mounting plate as shown (see Fig 7.10.12, left).

Use a rivet gun to secure the 2 pop rivets and fix the cylinder support in place.



Fig 7.10.13



Fig 7.10.14

Feed the webbing straps through the slots on the left-hand side of the mounting plate from the front. Make sure that the cam buckle is positioned so that it opens outwards (i.e. away from the mounting plate).

Loop the straps around the back of the mounting plate (note make sure the straps only go around the mounting plate, do not feed them around the frame as they can interfere with the folding mechanism), and back through the slots on the right-hand side of the plate.



Fig 7.10.15



Fig 7.10.16

Open the cam buckles, then feed the free end of the webbing through the buckle and tuck the excess webbing around the back of the mounting plate as shown (see Fig 7.10.16, left).

Fig 7.10.17, right: The cylinder support fully assembled and fitted to the cloud chassis.



Fig 7.10.17

7.11: Remove Vertical O2 Carrier:

The following instructions detail how to remove an O2 carrier from the Cloud pushchair.

Parts required:

- 1 x M8 x 55mm Socket Button
- 1 x M8 Nylock Dome Nut
- 1 x M6 Nylock Dome Nut

Tools:

- 4mm Hex Key
- 5mm Hex Key
- 10mm Socket
- 13mm Socket
- 13mm Spanner
- Drill and 5mm Drill Bit



Fig 7.11.1

Undo the two cam buckle straps as shown (see Fig 7.11.1, left).

Drill off the two rivets that secure the bottle guide onto the O2 carrier back plate using a 5mm drill bit as shown (see Fig 7.11.2, right).

Remove the bottle guide from the O2 carrier to expose the frame fixings.



Fig 7.11.2



Fig 7.11.3

Using a 13mm socket and spanner, remove the lower hex head bolts from the O2 carrier as shown (see Fig 7.11.3, left).

Take note of the position of the washer, P-Clip and frame spacer.

Next remove the M6 nut from the top of the O2 carrier using a 4mm hex key and 10mm socket as shown (see Fig 7.11.4, right).

Only remove the nut, leave the bolt and washer in place. Now remove the O2 carrier back plate from the frame.



Fig 7.11.4



Fig 7.11.5

Secure the lower joint using the new M8 x 55mm socket button bolt. Make sure the plastic spacer, P-Clip and washer are in the original positions. Fix with the new M8 nyock dome nut and tighten using a 13mm socket and 5mm hex key as shown in Fig 7.11.5, left.

Secure the upper fixing point with the new M6 nylock dome nut. Tighten with a 4mm hex key and 10mm socket or spanner as shown in Fig 7.11.6, right.



Fig 7.11.6

7.12: Remove the Frame Fold Joints:

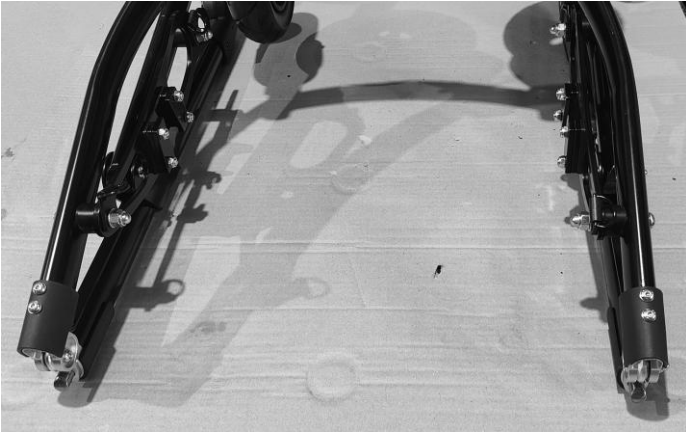


Fig 7.12.1

Place the pushchair onto a sturdy workbench with the brake set on, then fold the frame and lay it on its back as shown (See Fig 7.12.1, left).



Fig 7.12.2

Undo the hinge bolt (both sides) using a 4mm hex key and 10mm spanner as shown in Fig 7.12.2, right.



Fig 7.12.3

Separate the forks and remove the nylon washers from the frame joints.

Undo the 3 x M5 x 16mm socket button screws that secure the fork end of the frame joint and joint cover as shown (see Fig 7.12.4, right).



Fig 7.12.4



Fig 7.12.5

Slide the joint cover back onto the frame tube to expose the aluminium joint, then slide the fork end of the joint out of the frame.

Then slide the joint cover off the frame.

Fig 7.12.6: The two fork joints removed.

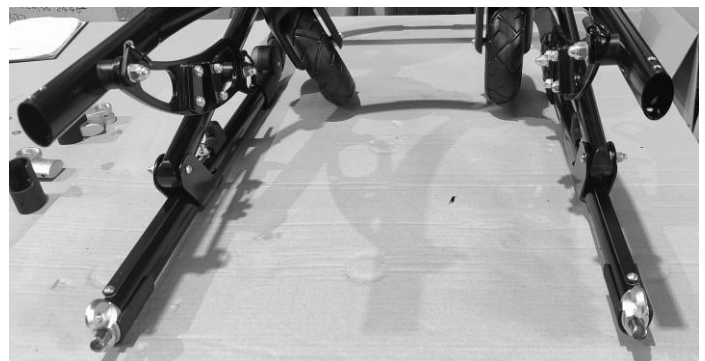


Fig 7.12.6



Fig 7.12.7

Next, undo the M5 x 30mm socket button bolt that locates through the release rod into the pin end of the joint as shown S9ee Fig 7.12.7, left).

This will release the tension on the locking pin – slide the pin and spring out of the end of the joint.



Fig 7.12.8

Fig 7.12.8: The release rod separated from the pin end of the joint.



Fig 7.12.9

Undo the 2 x M5 socket button bolts on the other side of the joint as shown (see Fig 7.12.9, left).

Lift the upper joint cover away from the joint.

Finally slide the pin end of the joint out of the frame as shown in Fig 7.12.10.



Fig 7.12.10

7.13: Fit New Frame Fold Joints:

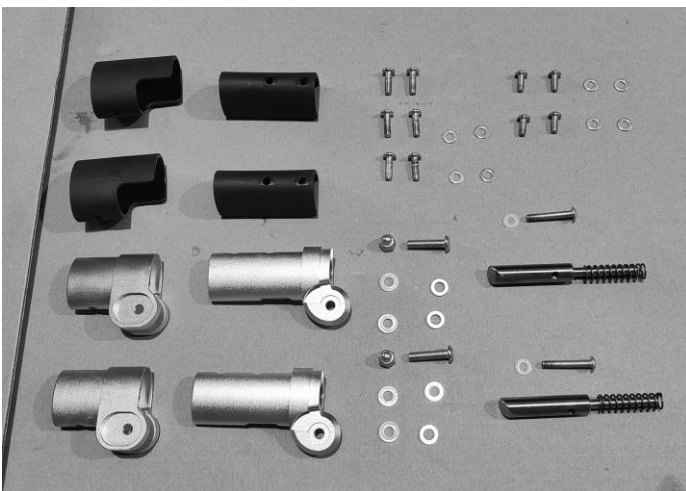


Fig 7.13.1

Fig 7.13.1 shows a full set of parts for both frame joints. Replace components as needed to restore full function. Always replace Nylock nuts when rebuilding the joints.

The following tools are required to fit the joint to the frame:

- 3mm and 4mm Hex Keys
- 8mm and 10mm Spanners
- Loctite 243 Thread Locking Compound

Place 2 nylon washers into the recesses (one each side) on the pivot point for the joint as shown in fig 7.13.2, right.



Fig 7.13.2



Fig 7.13.3

Locate the two parts of the joint together such that the hinge hole in the fork lines up with the hinge hole in the prong side as shown in Fig 7.13.4, right.

If rebuilding both joints, build them as a handed pair with the bolt heads on opposite sides. When fitting to the frame the bolt heads should be located on the insides of the frame.



Fig 7.13.4

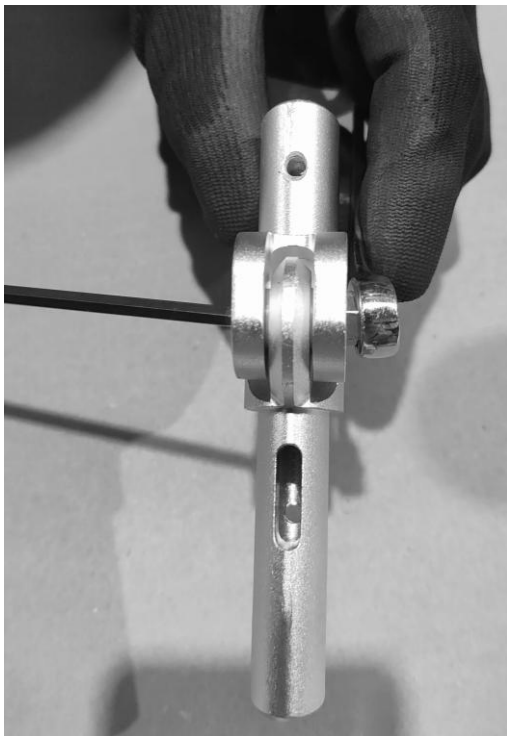


Fig 7.13.5

Tighten the hinge bolt using a 4mm hex key and 10mm spanner. Tighten to the point there is no slack but the joint is still free to pivot (do not over tighten the hinge bolts).

Fig 7.13.6: A pair of hinge joints pre-assembled.

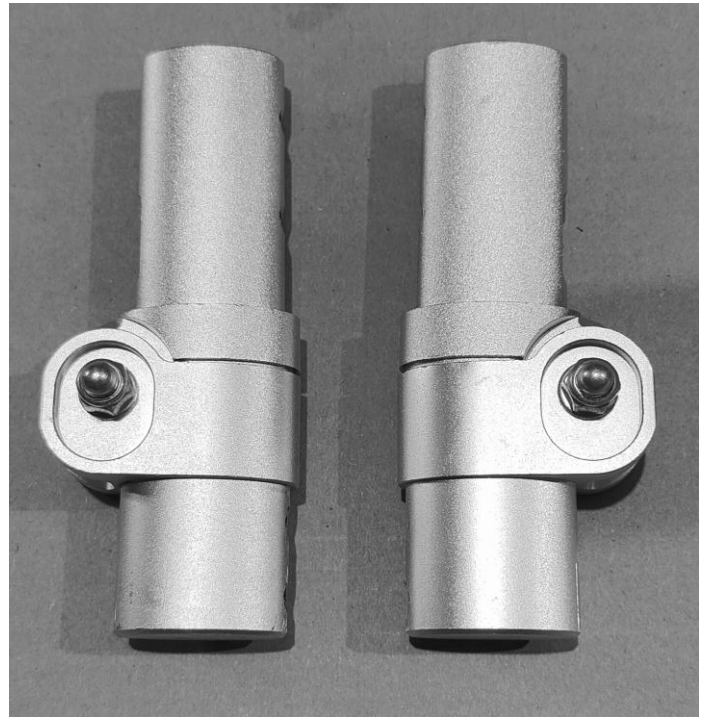


Fig 7.13.6



Fig 7.13.7

Slide the lock pins and springs into the hinge joints as shown (see Fig 7.13.7, left).

The pin should be oriented such that the threaded hole in the pin is oriented towards the slot in the prong end of the joint and that the angled face on the end of the pin points towards the hinge end such that the joint will self lock when closed.

Apply a small amount of Loctite onto the end of the M5 x 30mm socket button bolt as shown (see Fig 7.13.8, right).



Fig 7.13.8



Fig 7.13.9

Slide the prong end of the joint into the upper frame tube as shown in Fig 7.13.9, such that the slot in the joint lines up with the slot in the frame tube.

Place an M5 Nylon washer over the slot as shown (see Fig 7.13.10, right).



Fig 7.13.10



Fig 7.13.11

Place the release rod over the washer, then screw the M5 x 30mm socket button bolt through the release rod and washer, into the threaded hole in the lock pin as shown in Fig 7.13.11.

Slide the lower joint cover onto the front frame, with the notch orientated to the hinge side of the joint as shown (see Fig 7.13.12, right).



Fig 7.13.12



Fig 7.13.13

Open the joint and locate the fork end into the front frame as shown in Fig 7.13.13.

Open the frame and stand it upright, and fully locate the frame fold joints into the front frame as shown (See Fig 7.13.14, right).



Fig 7.13.14

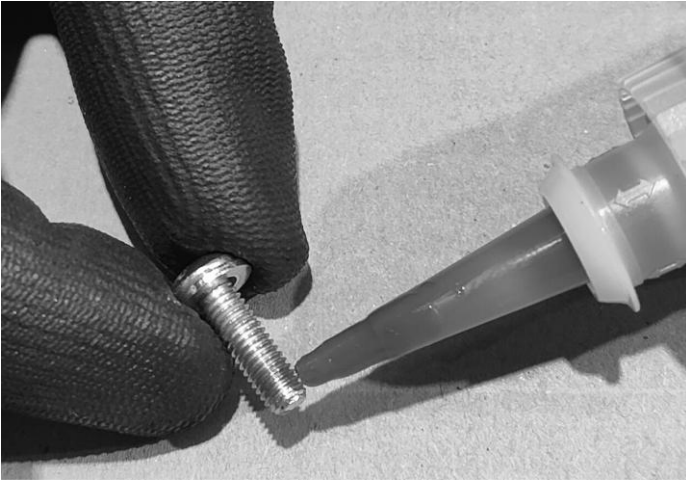


Fig 7.13.15

Apply Loctite onto the ends of the M5 x 12mm and M5 x 16mm Socket Button Bolts.

Slide the joint cover up over the fork end of the joint, then screw the M5 x 16mm socket button bolts through the cover, frame and into the joint with an M5 Form A washer under each bolt head as shown (See Fig 7.13.16, right).

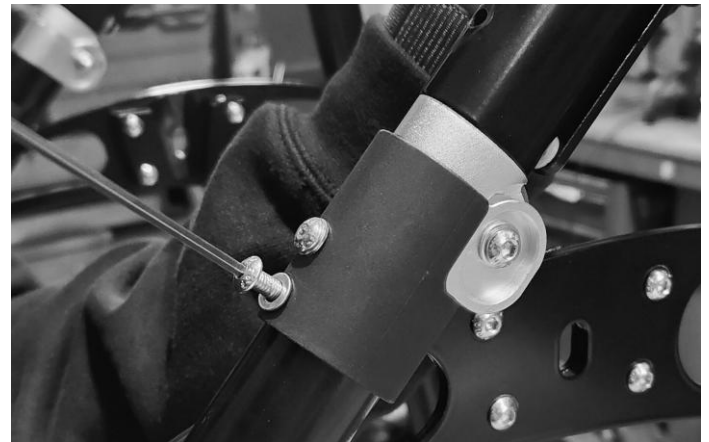


Fig 7.13.16



Fig 7.13.17

Position the upper joint cover over the holes in the upper frame as shown in Fig 7.13.17.

Screw the M5 x 12mm socket button bolts through the upper joint cover, upper frame and into the joint, placing an M5 form A washer under the head of each bolt as shown (See Fig 7.13.18, right).



Fig 7.13.18



Fig 7.13.19

Finally screw the remaining M5 x 16mm socket button bolts into the underside of the fork side of the joint as shown in Fig 7.13.19 – note there is no washer fitted with this bolt.



Fig 7.13.20

Fig 7.13.20: The frame joints fitted to the chassis.

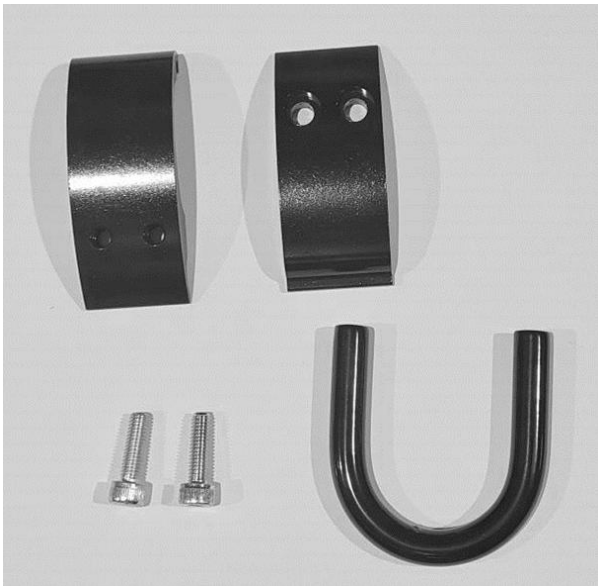
Test the operation of the re-assembled fold lock mechanism as detailed in the user manual.

Notes:

If the locking mechanism is stiff to release after full assembly, apply a light lubricant to the hinge and lock pin. We suggest either a light silicone lubricant or a light oil such as WD40.

7.14 How To Fit A Hook & Bracket

When ordering a hook and bracket you will be supplied with the below:



- 1 x bracket consisting of two parts. One which is threaded (has smaller holes) and one which is not threaded (has larger holes)
- 1 x hook
- 2 x M6 x 20 socket cap screws

You can fit either one or two hook and brackets to a Cloud chassis on either side of the chassis. If you are fitting two hook and brackets, these must be on different sides of the chassis and not on the same side.

If fitting two hook and brackets, ensure they are positioned at the same height on both sides of the chassis. Fig 7.14a shows an example with a hook and bracket fitted on the left side of the chassis.



Fig 7.14a



Fig 7.14b

To fit a hook and bracket, first place the non threaded part of the bracket on the chassis and hook the threaded part of the bracket over this. Carefully fit the m6 x 20 socket cap screws and tighten slightly as shown in Fig 7.14b.

Fit the hook through the hole underneath the bracket as shown in Fig 7.14c and tighten the screws using a 5mm allen key until the hook and bracket no longer slides up and down the chassis and until the hook no longer spins.



Fig 7.14c

Important:

- Whilst we don't recommend ever hanging anything off the chassis, if a client has more medical equipment than can fit in the equipment tray/vertical cylinder, the hook and bracket can be used to hang extra equipment off the chassis. However, please note the equipment tray and the vertical cylinder are still the recommended means of carrying equipment and must first be used for this purpose before using the hook and bracket.
- Before using the hook and bracket, a risk assessment must be undertaken by the prescribing clinician to determine the suitability and safety of using the hook and bracket. In addition, the clinician must undertake a stability test to ensure the stability of the buggy has not been compromised.
- It is important for you to also regularly assess the suitability and safety of using the hook and bracket looking for such things as if the pushchair user can reach the equipment – does this pose a danger to themselves and/or others? Is the pushchair pushing evenly? Has the equipment started moving around or is it securely fastened? Please note, this is not an exhaustive list but some examples of things to look for. If the hook and bracket fail this assessment, you must not use the hook and bracket.
- Care must be taken to ensure that any equipment hung off the bracket is securely fastened.
- The maximum carrying limit for each hook and bracket is 4kg. You must ensure that the maximum weight capacity for the pushchair/chassis is not exceeded, by referring to the weight limits in this manual.
- When a hook and bracket is fitted to a chair, we do not recommend ever leaving the occupant unattended.

7.15a Fitting the Headrest Mounting Bracket (for external headrests)

If you are retrofitting an external headrest to a Cloud seat which has not previously had an external headrest fitted, you will first need to fit the Cloud seat headrest bracket. If the mounting bracket is already fitted to the seat, scroll down to section 7.15b “Fitting an External Headrest”.

To do this you will need the following:



Parts:

- 4 x m5x40 countersunk bolts
- 4 x m5 form a washers
- 4 x m5 domenuts
- 1 x Cloud seat headrest bracket
- 2 x 9mm spacers
- 2 x 12mm spacers

Tools:

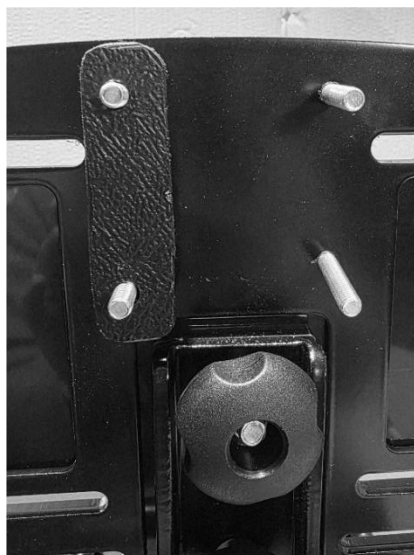
- 3mm allen key
- 8mm spanner

Fig 7.15a.1

Place the 4 x countersunk bolts through the 4 x holes in the top of the backrest as shown in fig 7.15a.2.



Fig 7.15a.2



Take 1 x 9mm spacer and 1 x 12mm spacer and fit through 2 of the countersunk bolts in the backrest. Please note, the holes in the spacers are off centre, the holes closest to the edge face outwards, as shown in fig x. Repeat for the other side. It does not matter which order you fit the 9mm and 12mm spacer as long as both sides match.

Fig 7.15a.3

Fit the Cloud seat headrest bracket through the 4 bolts and spacers with the headrest mount bush at the top. Put 1x m5 form a washer and 1 x m5 domenut on each bolt. Repeat for each bolt and tighten using a 3mm allen key and an 8mm spanner.

With the Cloud seat headrest bracket fitted you can now fit the headrest.

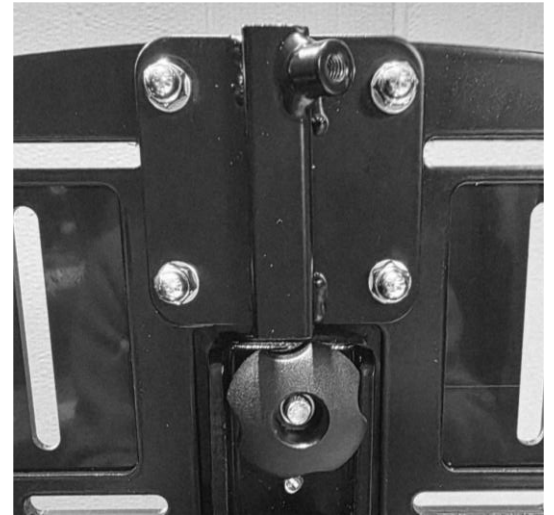
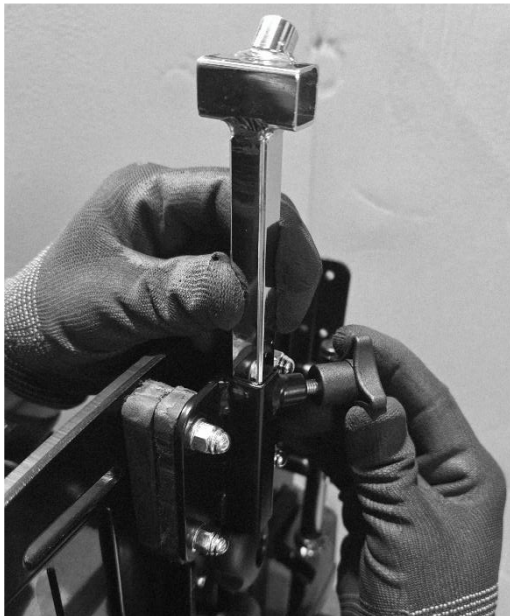


Fig 7.15a.4

7.15b Fitting an External Headrest



Slide the headrest vertical tube into the cloud seat headrest bracket and tighten the lobe knobs, as shown in fig 7.15b.1.

Fig 7.15b.1

Slide the external headrest into the vertical tube and tighten the lobe knob, as shown in fig 7.15.2. Please note, there are a multitude of external headrests compatible with the Cloud seat; however, they will all fit in this way. This vertical tube is for Tendercare supplied external headrests. If you are fitting a third party headrest, it may need a different sized vertical tube but there will need to be a vertical tube.

Please note when fitting an external headrest, the maximum back height including the headrest should not exceed 640mm. You should not use the full back height (640mm) and an external headrest.



Fig 7.15b.2

8: Cleaning

1. To clean the wheelbase or interface, wipe with a damp cloth and dry thoroughly.
2. For more stubborn stains wipe with a damp cloth and warm water in which a little mild soap has been dissolved. Dry thoroughly.
3. Never use furniture polish or any spirit to clean the frame.

9: Parts Lists

Please refer to the appropriate parts list and exploded diagram for the part of the system you are interested in. The pages available that apply to this manual are:

- Cloud Wheelbase for Cloud Seat Parts List
- Cloud Seat Parts List

10. Disposal



When a product reaches the end of its lifetime, it should be separated by material type so the parts can be recycled or disposed of properly. If required, please contact Tendercare Ltd for a precise description of each material. Please contact your local authorities to be informed of the options available for recycling in an environmentally friendly way.