
ADC-02CF

Portable Hydraulic Dental Chair

NSN: 6520-01-652-8993



**OPERATION AND
MAINTENANCE MANUAL**



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SAFETY PRECAUTIONS

Aseptico accepts no liability for direct or consequential injury or damage resulting from improper use, arising in particular through the non-observance of the operating instructions, or improper preparation and maintenance of this product.

R_x Federal (United States) law restricts this device to sale
Dental Use Only or on the order of the dentist.

To prevent injury to people and damage to property, please heed relevant warnings and remarks. They are marked as follows:

- **WARNING:** Serious injury or death may result if ignored.
- **CAUTION:** Damage to property or the environment may result if ignored.
- **NOTE:** Important additional information and hints.

▲ **WARNING:** Use for intended purposes only. Failure to observe the operating instructions may result in the patient or user suffering serious injury or the product being damaged, possibly beyond repair. Before using this product, make sure that you have studied and understood the operating instructions.

▲ **WARNING:** Do not sit on the leg panel or foot panel. Patients must sit on the main seat to reduce the risk of a tipping hazard.



- ▲ **WARNING:** Always use the chair on a hard flat surface.
- ▲ **WARNING:** The chair must be unoccupied when making height adjustments to the chair.
- ▲ **CAUTION:** Before using the Chair, ensure that the leg adjustment pins have been fully inserted through the adjustment holes in the legs.
- ▲ **CAUTION:** Do not alter the chair assembly.
- ▲ **CAUTION:** All repairs are to be performed by authorized service personnel only.

 **NOTE:** Report any malfunction or deterioration in the characteristics and/or performance of this device, as well as any inadequacy in its labelling or the instructions for use which might lead to or might have led to the death of a patient or user or to a serious deterioration in their state of health (e.g. Serious Adverse Event) immediately to the manufacturer and the regulatory authority where the incident occurred.

INTRODUCTION

Aseptico's ADC-02CF Portable Hydraulic Dental Chair is intended to provide patient seating for field dentistry and medical treatment. The chair is engineered to provide years of reliable service. Please read the instructions provided in this manual to receive the best service from your Aseptico equipment..

FEATURES

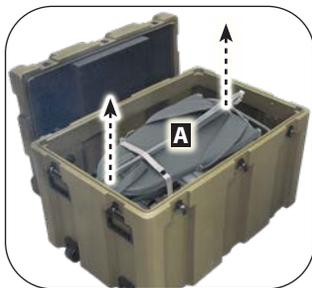
- Easy and quick set-up
- Hands-free hydraulic operation; no external power required
- Chair height and backrest adjustable with patient in chair
- 300 lb (136 kg) load capacity
- Wheels allow chair to be easily moved
- Chair folds down into a compact package
- Quality upholstery and adjustable pillow headrest
- High-strength steel frame and corrosion-resistant hardware

ITEMS FURNISHED

- Portable hydraulic dental chair [PN ADC-02CF]
- Mil-spec transport case [PN 410209]
- Operation/maintenance manual & parts list [PN 421020]
- Schematic drawing set [PN 421062]
- Setup guide [PN 421061]

SETUP AND OPERATION

1. **UNPACKING:** Using two people, lift the chair **A** from the transport case and set it on the floor.



2. **MOVING INTO POSITION:** Pull out the stabilizer **A** and use it as a handle to tilt the chair up onto its wheels **B**, then roll the chair to where it will be used.



WARNING: The backrest strap **C** must always be securely fastened when tilting the chair upright to prevent injury or damage caused by the backrest suddenly opening.

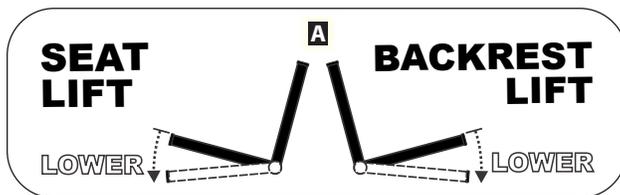


3. **CHAIR PREPARATION:** Set the chair down with its feet on the floor. Make sure that the stabilizer **A** is fully extended. Adjust the leveling foot **B** as needed to compensate for an uneven floor. Remove the backrest strap **C** from the chair and save for reuse.



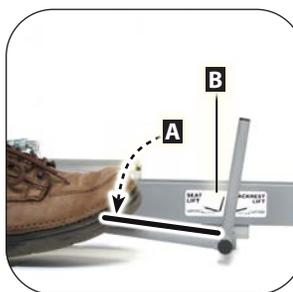
WARNING: The stabilizer must be fully extended and the leveling foot properly adjusted to reduce chair tipping hazard. The floor under the chair must be hard and level.

4. **SELECTOR LEVER LABELS:** Locate the 2 selector lever labels **A** on opposite sides of the chair base. These labels show the selector lever positions for lifting and lowering the seat and the backrest.

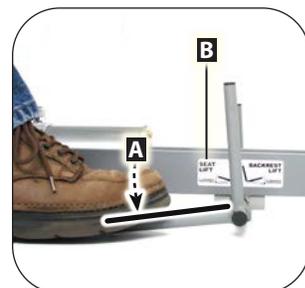


The selector lever can be operated hands-free from either side of the chair.

5. **SEAT LIFT:** Rotate the selector lever **A** to the SEAT LIFT position (as shown on the label **B**) then pump the lift lever **C** with your foot until the chair reaches the desired height.

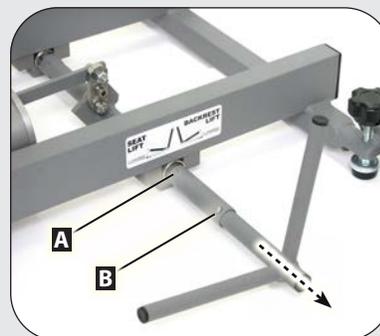


6. **SEAT LOWER:** Press down and hold the selector lever **A** in the SEAT LOWER position (as shown on the label **B**) to lower the chair.



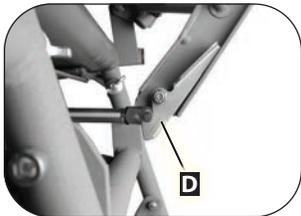
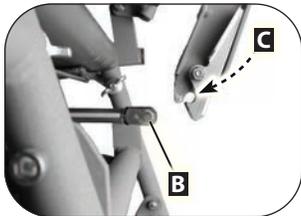
EXTENDING THE SELECTOR LEVERS

The selector levers can be extended outward to make them easier to reach. Depress the locking button **A** on the selector lever tube, then slide the selector lever out until the locking button pops out of the second hole **B** on the tube.



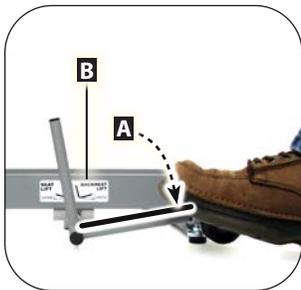
SETUP AND OPERATION (Continued)

7. CONNECTING BACKREST CYLINDER: Lift the backrest **A** upright while simultaneously guiding the clevis pin **B** on the end of the backrest cylinder into the latch **C** on the backrest frame, until they have securely latched **D**.



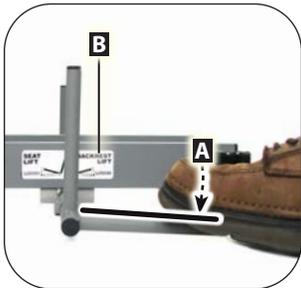
WARNING: Make sure the clevis pin is centered in the latch and not off to one side. Both ends of the clevis pin must be securely latched.

8. BACKREST LIFT: Rotate the selector lever **A** to the BACKREST LIFT position (as shown on the label **B**) then pump the lift lever **C** with your foot until the backrest reaches the desired height.

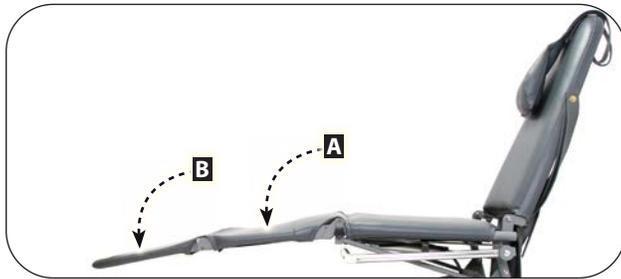


Never attempt to raise the backrest by lifting up on the backrest manually, as this may pull air into the hydraulic system! Only use the lift lever to raise the backrest.

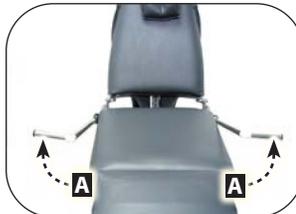
9. BACKREST LOWER: Press down and hold the selector lever **A** in the BACKREST LOWER position (as shown on the label **B**) to lower the backrest; it may be necessary to manually push down on the backrest to help it recline.



10. CHAIR PANELS: Unfold the leg panel **A** and foot panel **B**.



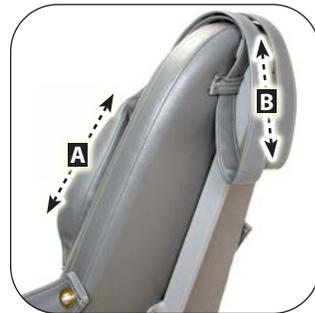
11. ARM SLINGS: Fold out the hand grips **A** on the arm posts, then insert the hand grips into the ends of the arm slings **B**.



The arm slings **C** can be folded up to make it easier to get in and out of the chair.

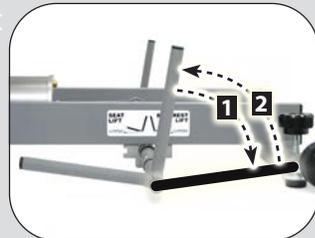


12. PILLOW: Adjust the height of the pillow **A** as needed by adjusting the pillow straps **B** on the rear of the backrest.



CLEARING HYDRAULIC LOCKUPS

Rotate the selector lever back and forth to clear a lockup. A lockup may occur while lowering the seat if the backrest frame comes into contact with the lift lever, causing a conflict between simultaneous lifting and lowering hydraulic operations.



CLEANING AND MAINTENANCE

CLEANING

Clean the upholstery by wiping with a soft cloth moistened with a mild detergent. Although not recommended, bleach diluted to <10% with water can be used but must be wiped dry immediately. The use of solvents or other solutions may cause damage and void the warranty.

i The use of barrier covers will greatly extend the life of the chair upholstery.

PURGING AIR FROM THE HYDRAULIC SYSTEM

If the hydraulic operation of the ADC-02CF feels soft or jerky, the system may need to be purged of air.

With normal use, small amounts of air can enter the hydraulic system. Air may be in the pump, seat or backrest cylinders. Since air will always rise to the top of contained hydraulic oil and there are no bleeder valves, special procedures are required to purge air from the cylinders:

1. QUICK PURGE: Put the selector lever (Fig. 1 **A**) in the SEAT LIFT position and pump the lift lever (Fig. 1 **B**) with several brisk full strokes. This may simply resolve the problem. If the hydraulic operation is still not satisfactory, proceed to step 2.



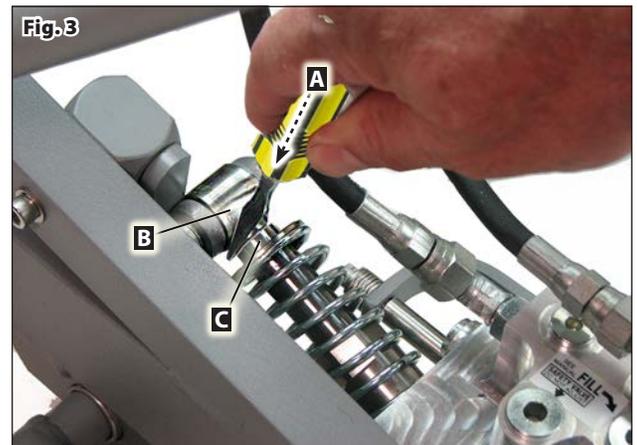
2a. PUMP CYLINDER PURGE: Put the selector lever (Fig. 2 **A**) in the SEAT LIFT position. Press down on the lift lever (Fig. 2 **B**) and hold it there so you can access the rubber bump stop (Fig. 2 **C**). Remove the rubber bump stop by twisting and pulling on it.



2b. The object now is to force the pump piston all the way into the pump cylinder to purge any trapped air. You will need a flat-blade screwdriver with shaft diameter of 3/8" or larger. Push the lift lever all the way down with one hand and with the other hand, place the tip of the screwdriver (Fig. 3 **A**) between the pump roller (Fig. 3 **B**) and pump piston (Fig. 3 **C**). As you allow the lift lever to come up, wedge the screwdriver further down between the pump roller and pump piston. It may take a couple of strokes to wedge the screwdriver in far enough until the lift lever stops where the pump piston has "bottomed out" and all the air has been purged.

i If the seat reaches full height before you are able to push the pump piston all the way in, you will need to lower the seat part way to continue.

Complete this operation by reinstalling the rubber bump stop removed in step 2a. If the hydraulic operation is still not satisfactory, proceed to step 3a.

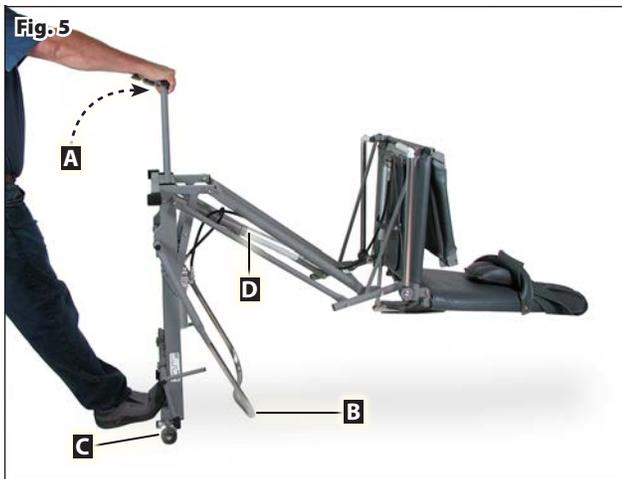


3a. SEAT CYLINDER PURGE: Raise the seat (Fig. 4 **A**) and the backrest (Fig. 4 **B**) all the way up. Tie the arm slings (Fig. 4 **C**) loosely over the pillow. Fully extend the stabilizer (Fig. 4 **D**).



CLEANING AND MAINTENANCE (Cont.)

3b. Using the stabilizer (Fig. 5 **A**) as a handle, tilt the chair up on its wheels until the lift lever (Fig. 5 **B**) touches the floor; use your foot to keep the base of the chair (Fig. 5 **C**) from suddenly rolling towards you. Hold the chair in this position and note that the hose end of the seat cylinder (Fig. 5 **D**) is now oriented up so that any air in the cylinder will be near the hose fitting.



3c. While holding the chair in this position, press and hold the selector lever (Fig. 6 **A**) in the SEAT LOWER position. The seat will move towards the base, compressing the seat cylinder and draining oil and any air out of the seat cylinder. As the seat (Fig. 6 **B**) moves toward the base, the backrest will approach the floor. Tilt the chair towards the base just enough to keep the backrest off the floor so the seat can continue compressing. When the seat has compressed most of the way, this operation is complete. Tilt the chair down with its base on the floor, then test the hydraulic operation.



i If the hydraulic operation still feels soft or jerky, it may be necessary to perform steps 1 and 2 (page 5) one last time to firm up the action of the lift lever. If that doesn't resolve the issue, proceed to step 4a.

i It is important during steps 3 and 4 that the lift lever not be pumped while the chair is tipped back. Any air in the hydraulic oil reservoir will be near the pump intake and can be drawn back into the pump cylinder, which would require purging the pump again as in step 2 (page 5).

4a. BACKREST CYLINDER PURGE: If the backrest hydraulics feel soft or jerky, this step may be desired. Start with the backrest (Fig. 7 **A**) fully up, the seat (Fig. 7 **B**) halfway up, and the stabilizer (Fig. 7 **C**) fully extended.



4b. Lift the stabilizer and place it on an elevated surface such as a stool (Fig. 8 **A**) so that the chair is tilted at approximately 30°. Note that the hose end of the backrest cylinder (Fig. 8 **B**) is now oriented up so that any air in the cylinder will be near the hose fitting. Place one hand on the seat and push down with your other hand on the backrest (Fig. 8 **C**) while simultaneously holding the selector lever (Fig. 8 **D**) in the BACKREST LOWER position with your foot. The backrest will recline. When the backrest is completely down, this operation is done. Put the chair down with its base on the floor, then test the hydraulic operation.



i If the hydraulic operation still feels soft or jerky, it may be necessary to perform steps 1 and 2 (page 5) one last time to firm up the action of the lift lever. If that doesn't resolve the issue, proceed to the next section and check the hydraulic oil level.

ADDING OIL TO THE HYDRAULIC SYSTEM

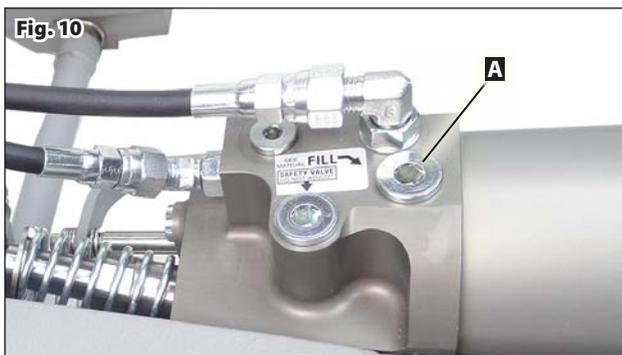
With prolonged use, small amounts of oil may leak out of the hydraulic system and need to be replenished. Check the oil level if:

- The hydraulics begin to feel sluggish or jerky and purging air out of the system (page 5) does not resolve the issue.
 - The seat or backrest do not reach their maximum height when being raised.
1. Press down and hold the selector lever in the BACKREST LOWER position (Fig. 9 A) while simultaneously pushing down on the backrest (Fig. 9 B) until it is fully reclined.



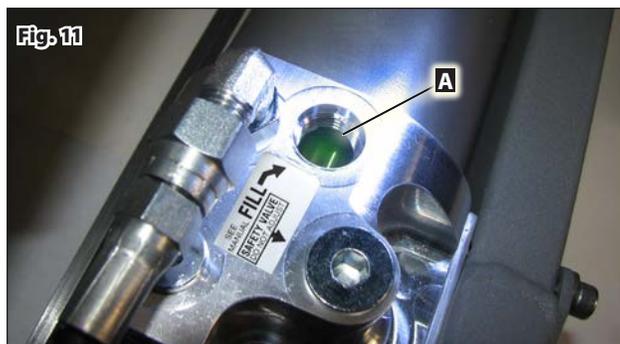
2. Disconnect the backrest latch from the backrest cylinder and fold the backrest forward, over the seat.
3. Using a 1/4" Allen wrench, remove the oil FILL plug (Fig. 10 A) from the pump cylinder.

i Do not remove the other two plugs on the pump—doing so will introduce air into the hydraulic lines.



4. Press down and hold the selector lever in the SEAT LOWER position until the seat is fully lowered. This will cause the hydraulic oil to rise to its maximum level inside the reservoir.

5. Using a small mirror and a flashlight, look down into the oil fill port and observe the oil level. The oil (yellow-green) should come up to the bottom of the threads (Fig. 11 A). If not, top off with a premium quality, medium-grade hydraulic oil (ISO VG 46, SAE 15), such as Mobil DTE 25.



7. Reinstall the oil fill plug while the chair is still collapsed.

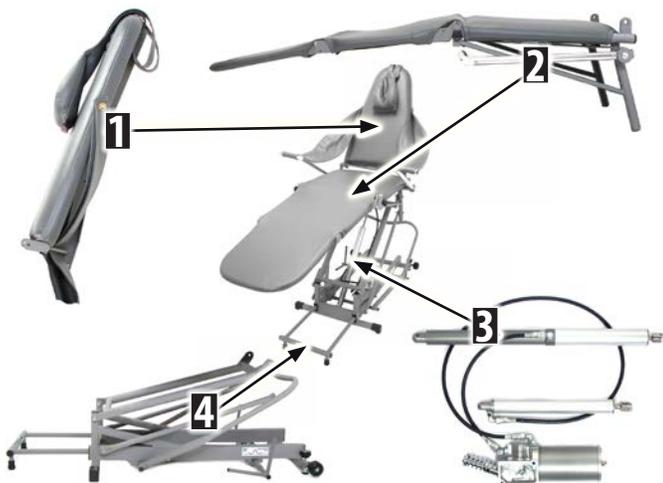
i Whenever hydraulic oil has been added to the system, the system should be purged of any air that might have infiltrated the system (see Purging Air From the Hydraulic System, page 5). Confirm that the hydraulics work properly before resuming patient procedures.

DISASSEMBLY

OVERVIEW: When disassembling the ADC-02CF Chair, it is recommended that its modular components be detached and removed in the following order:

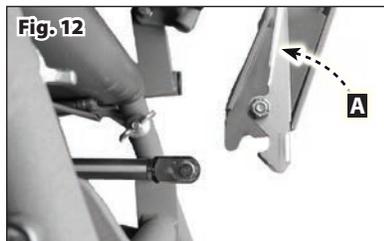
- 1 Backrest Assembly
- 2 Seat Assembly
- 3 Hydraulic Assembly (*)
- 4 Base Assembly

(*) The individual components of the hydraulic assembly are not customer-serviceable and shouldn't be disassembled in the field. Return to Aseptico if repairs are required.

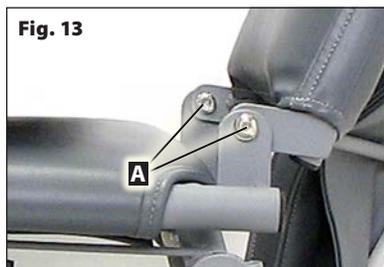


1 BACKREST ASSEMBLY

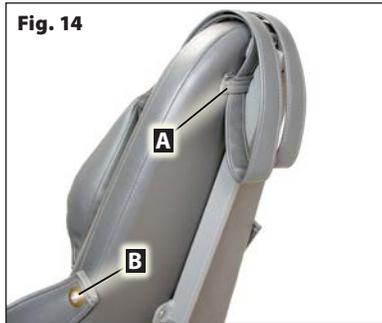
Disengage the backrest latch [PN 462239] (Fig. 12 A) from the backrest cylinder.



Use a 3/16" Allen wrench and 1/2" combination wrench to remove the bolts [2x PN 510815], washers [4x PN 510845], spacer washers, [A/R PN 510297] and nuts [2x PN 510126] (Fig. 13 A) that attach the backrest assembly to the seat frame. Note the quantities and positions of the "A/R" (as required) spacer washers between the component frames. These washers should be used as spacers during re-assembly to ensure a snug fit. Detach the backrest assembly and set on workbench.

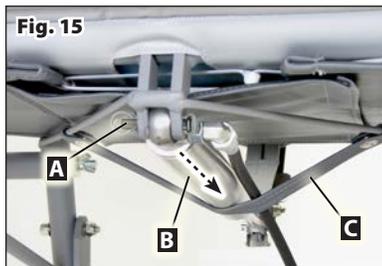


Use a Phillips screwdriver to remove the pillow strap mounting screws [2x PN 510239] (Fig. 14 A) that attach the pillow strap [PN 462313] to the rear of the backrest. Remove strap and pillow [PN 462304]. Use a 5/32" Allen wrench to remove the screws [PN 510841], washers [PN 510500] and bushings [PN 462301] (Fig. 14 B) that attach the arm slings [PN 462289] to the sides of the backrest.



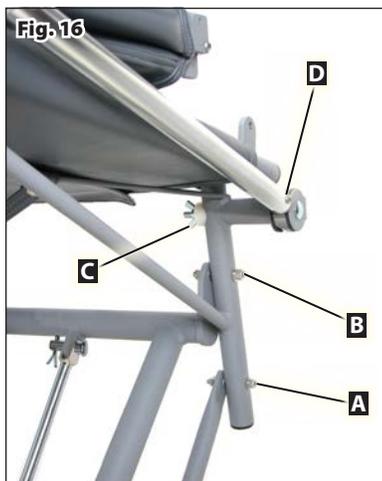
2 SEAT ASSEMBLY

Remove the clevis pin [PN 510917] and cotter ring [PN 510927] (Fig. 15 A) that attach the backrest cylinder to the underside of the seat assembly. Push the cylinder (Fig. 15 B) with attached hydraulic hose backward over the support strap [PN 462291] (Fig. 15 C) and out from under the seat. Rest the cylinder on the floor until the complete hydraulic system can be detached as a unit.

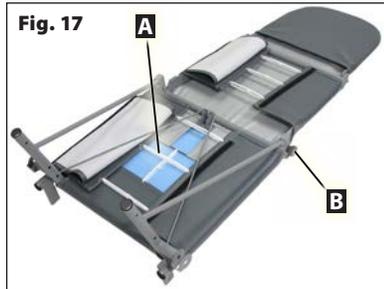


! Do not disconnect the hydraulic hose from the cylinder.

Fold the foot and leg panels closed onto the seat panel. Use a 3/16" Allen wrench and 7/16" combination wrench to remove the bolts [2x PN 510842], washers [6x PN 510500] and nuts [2x PN 510296] (Fig. 16 A) that attach the seat frame to the base struts [2x PN 462191]. Note: One washer is installed between the seat frame and each strut. Use a 1/4" Allen wrench and 1/2" combination wrench to remove the bolts [2x PN 510809], spacer washers [8x (A/R) PN 510845] and nuts [2x PN 510126] (Fig. 16 B) that attach the seat frame to the main lever [PN 330614]. Note the quantities and positions of the A/R spacer washers between the component frames; these washers should be used as spacers during reassembly to ensure a snug fit. Detach the seat assembly and set on workbench. Remove the wing nuts [2x PN 510311], bolts [2x PN 510810], rubber washers [4x PN 710138], coved washers [2x PN 510822] and washers [2x PN 510845] (Fig. 16 C) that attach the arm posts to the seat frame. Use an 1/8" Allen wrench to remove the small screws [6x 510312] (Fig. 16 D) that connect the arm post components together.



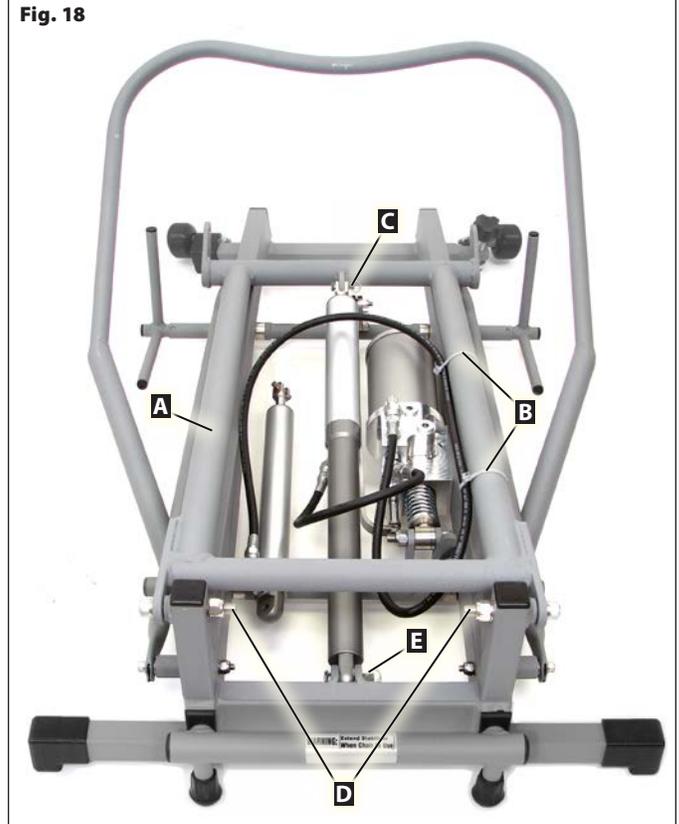
Unfold the leg and foot panels then turn the seat assembly over to expose the underside. Peel back the flaps on the seat cover and check the tie wraps [9x PN 510135] (Fig. 17 **A**) for tightness. Replace tie wraps as necessary. Because of its vinyl covering, it is not recommended that the chair's foot, leg, or seat panels be disassembled. However, if disassembly is necessary, use a 5/32" Allen wrench and 7/16" combination wrench to remove the foot panel mounting hardware and then use a 1/4" Allen wrench to remove the mounting screws [2 x PN 510048] and adjustment knobs [2x PN 850025] (Fig. 17 **B**) from the leg panel framework.



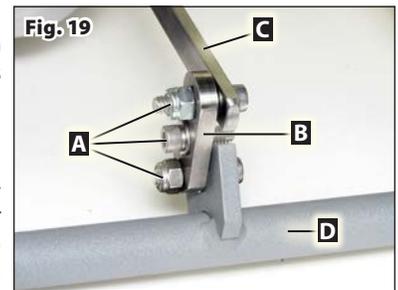
3 HYDRAULIC ASSEMBLY

IMPORTANT: When removing the hydraulic assembly, do not disconnect any hydraulic lines nor open any hydraulic port connections. The entire assembly can be detached from the chair as a self-contained system. If the integrity of this closed system is broken, hydraulic oil may need to be added and air may need to be bled from the system.

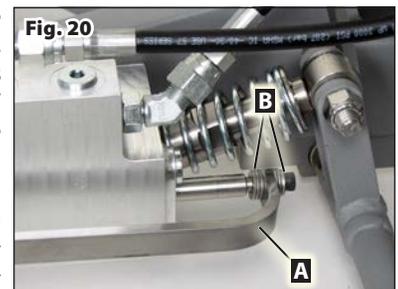
Lower the main lever frame [PN 330614] (Fig. 18 **A**) down onto the base frame by holding the selector lever in the SEAT LOWER position. Cut the two tie wraps [PN 510835] (Fig. 18 **B**) that attach the hydraulic hose to the main lever frame. Remove the cotter ring [PN 510927] and clevis pin [PN 510916] (Fig. 18 **C**) at the top end of the seat cylinder where it connects to the main lever frame. Lower this end of the cylinder down and rest it on the base until the other end can be detached. Use a 5/16" Allen wrench and 9/16" combination wrench to remove the bolts [2x PN 510847], washers [A/R PN 510846] and nuts [2x PN 510811] (Fig. 18 **D**) that attach the main lever to the base. Note the quantities of the A/R washers between the component frames. These washers should be used as spacers during reassembly to assure a snug fit. Remove the main lever and place it aside. Remove the cotter ring [PN 510927] and the clevis pin [PN 510917] (Fig. 18 **E**) from the lower end of the seat cylinder.



Use a 3/16" Allen wrench and 7/16" combination wrench to remove the bolts [2x PN 510813], bolt [PN 510339], washers [2x PN 510500] and nuts [2x PN 510296] (Fig. 19 **A**) that attach the toggle selector link [PN 462218] (Fig. 19 **B**) to the linkage selector arm [PN 462249] (Fig. 19 **C**) and selector lever [PN 330625] (Fig. 19 **D**).



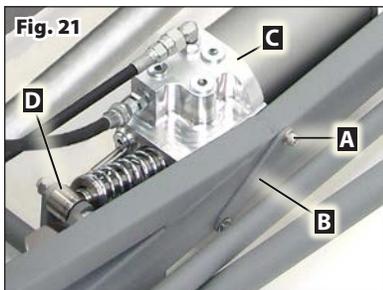
At the opposite end of the linkage selector arm (Fig. 20 **A**), where it attaches to the pump, use a 5/32" Allen wrench to remove the bolt [PN 510119] and washers [A/R PN 510500] (Fig. 20 **B**). Note that when reassembling these components, these A/R washers should be spaced on each side of the selector arm as required to center the arm over the selector lever at the opposite end.



When assembling, do not overtighten the bolt [PN 510119], also use Loctite 680 Green on thread. See schematic 120387 for washer locations.

DISASSEMBLY (Continued)

Use a 3/16" Allen wrench to remove the bolts [2x PN 510692] and washers [2x PN 510500] (Fig. 21 **A**) that attach the pump mount stiffener [PN 462259] (Fig. 21 **B**) and pump (Fig. 21 **C**) to the base frame. Remove the hydraulic pump, two cylinders and two hoses that comprise the entire hydraulic assembly without disconnecting any hydraulic components nor opening any hydraulic ports.



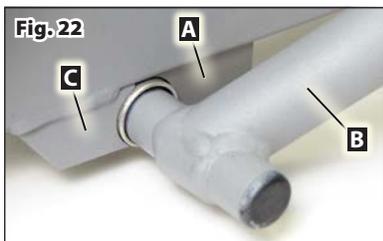
i Disassembly of the hydraulic assembly is not recommended unless a component malfunctions. Refer to the Schematic Drawings (page 14) for configuration details.

4 BASE ASSEMBLY

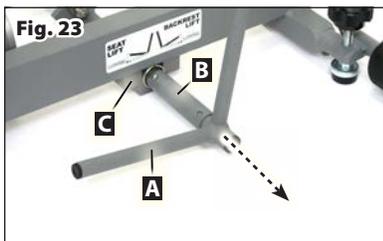
Disassembly of the ADC-02CF base is not necessary unless a component breaks. If disassembly is required, remove the primary components as follows:

Use a 5/16" Allen wrench and 9/16" combination wrench to remove the bolt [PN 510812], roller [PN 462233], bushing [PN 520105] and nut [PN 510811] (Fig. 21 **D**) from the lift lever.

Use a 3/16" Allen wrench to remove the bolts [4x PN 510813] that attach the lever mounting brackets [2x PN 462243] (Fig. 22 **A**) to the base frame. When removing the lift lever (Fig. 22 **B**), note the bearing pins [PN 510818] mounted inside each of the mating brackets (Fig. 22 **C**).



Remove the selector pedals [2x PN 330636] (Fig. 23 **A**) on each side of the chair by depressing the locking buttons and pulling the selector pedals out of selector lever bar (Fig. 23 **B**). Use a 3/16" Allen wrench to remove the bolts [4x PN 510813] that attach the pump switch brackets [2x PN 462242] (Fig. 23 **C**) to the base frame. Use a 3/32" Allen wrench to remove the bearing screws [2x PN 510857]. Remove the selector lever bar [PN 330625] with bearings [2x PN 462511].



Use two 1/2" combination wrenches to remove the bolts [2x PN 510806], bearings [4x PN 520115], spacers [2x PN 510823] and nuts [2x PN 510126] that attach the wheels [2x PN 730679] (Fig. 24 **A**) to their struts.



The knob [PN 850042] and leveling foot [PN 850044] (Fig. 24 **B**) and the rubber feet [2x PN 462312 & 1x PN 462390] do not require disassembly or maintenance and can be left attached to the frame.

THIS COMPLETES THE DISASSEMBLY PROCEDURE FOR THE CHAIR.

REASSEMBLY:

To reassemble the chair, follow the above instructions in the reverse order.

i Refer to the Schematic Drawings (page 14) for part numbers and configuration drawings when reassembling chair.

REPACKING THE CHAIR

- 1. ARM SLINGS:** Remove the arm slings from the ends of the arm posts, then tuck the arm slings into the frame on the rear of the backrest.
- 2. ARM POSTS:** Rotate the arm posts down just below the seat frame, then fold in the hand grips (Fig. 25 **A**).

Fig. 25



- i** Make sure the hand grips are positioned **below** the seat frame before proceeding or damage to the upholstery may occur when folding the leg and foot panels closed.

- 3. FOAM & PANELS:** Place a piece of foam (Fig. 26 **A**) overlapping the seat and backrest panels. Tie two small pieces of foam (Fig. 26 **B**) around the arm post pivots. Fold the foot and leg panels closed onto the seat panel.



- 4. BACKREST PANEL:** Flip the pillow (Fig. 27 **A**) over to the rear side of the backrest. Detach the backrest latch from the cylinder, then fold the backrest down onto the seat panel.

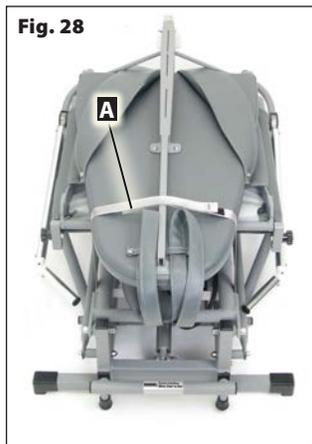
Fig. 27



- 5. LOWER CHAIR:** Press and hold the selector lever in the SEAT LOWER position until the seat frame touches the floor. If the seat frame won't lower all the way, press down on the lift lever and hold it there while simultaneously holding the selector lever in the SEAT LOWER position.
- 6. SELECTOR LEVERS:** If the selector levers are in the extended position, retract each one by pushing in on the locking button, then sliding the selector lever in until the locking button pops out of the inner hole on the selector lever tube.

- 7. BACKREST STRAP:** Tuck the pillow down between the chair framework. Guide the backrest strap (Fig. 28 **A**) under the main lever frame and over the top of the backrest, then fasten the strap securely.

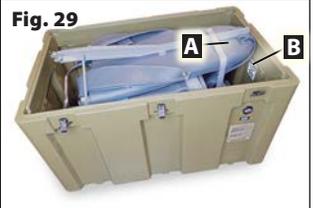
Fig. 28



- 8. STABILIZER BAR:** Fully retract the stabilizer bar.

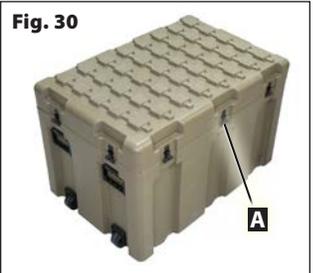
- 9. LOADING CASE:** Using two people, lift the chair and place it into the transport case. Make sure to position the headrest end (Fig. 29 **A**) of the chair towards the label (Fig. 29 **B**) inside the case to prevent the chair from getting scratched by the rivets on the inside of the case.

Fig. 29



- 10. LOCKING CASE:** Place the lid on the case and close all 10 latches (Fig. 30 **A**). The case is equipped with wheels for easy transport.

Fig. 30



! CAUTION

- ALWAYS LIFT THE CASE USING THE HANDLES PROVIDED.
- WHEN TRANSPORTING CHAIR, DO NOT PLACE HEAVY OBJECTS ON TOP OF THE CASE.

SPECIFICATIONS

Chair Dimensions:

Chair, Folded 34" L x 22" W x 18" H (86.4 x 55.9 x 45.7 cm)

Chair, Extended 76" L x 24" W x 36" H (193 x 60.9 x 91.4 cm)

Range of Chair Positions:

Minimum Seat Height 11" (27.9 cm)

Maximum Seat Height 33" (83.8 cm)

Backrest Adjustable from upright (vertical) to supine (horizontal) positions

Chair Weight:

Chair only 69 lb (31.3 kg)

Maximum Load Capacity Approx. 300 lb (136 kg)

Shipping Case Dimensions:

Case Size 25" W x 38" L x 24" H (64 cm x 97 cm x 61 cm)

Shipping Case Weight:

Case only 51.5 lb (23.4 kg)

Fully Loaded Approx. 121 lb (54.9 kg)

Hydraulic Oil:

Industrial premium-quality, medium-grade oil (ISO VG 46, SAE 15), such as Mobil DTE 25 or equivalent.

Expected Service Life:

10 years

Essential Performance:

The device does not have ESSENTIAL PERFORMANCE as defined in IEC 60601-1.

SYMBOL DEFINITIONS



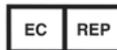
Consult Instructions For Use



Caution – Consult Accompanying Documents



Manufacturer



Authorized European Representative



Serial Number



Part Number



Country of Manufacture - USA



Unique Device Identifier



Medical Device



Rx Dental Use Only



Do not sit on leg panel or foot panel.



Information – Useful tips or hints.



Authorized United Kingdom Representative

REQUIRED TOOLS LIST

Allen Wrenches:

- 3/32"
- 1/8"
- 5/32"
- 3/16"
- 1/4"
- 5/16"



Combination Wrenches (or Socket Wrenches):

- 7/16"
- 1/2"
- 9/16"
- 5/8"



Screwdrivers:

- #2 Phillips
- 3/8" Flathead



Pliers:

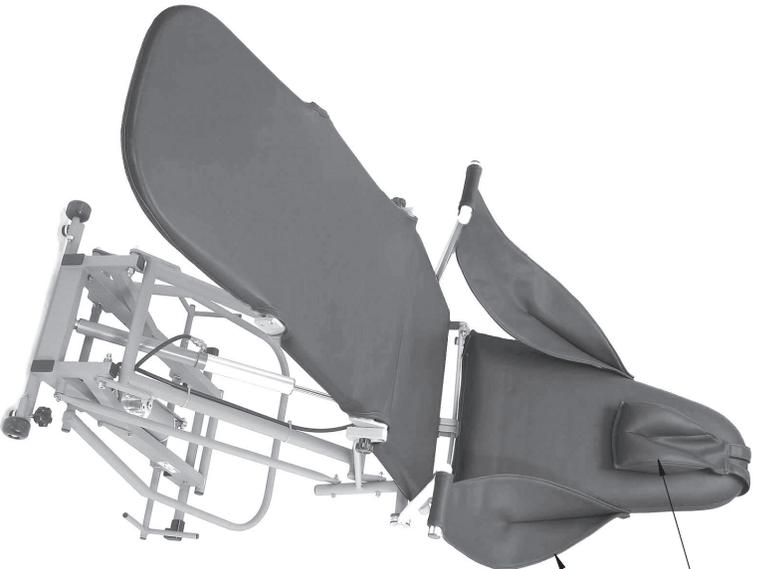
- Standard



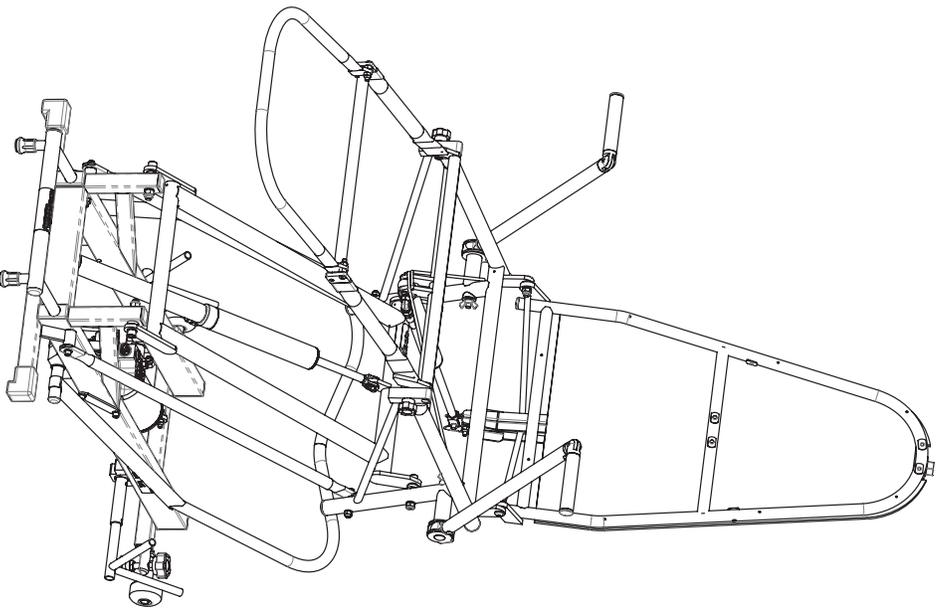
TROUBLESHOOTING GUIDE

Seat or backrest locks up and cannot be raised or lowered:
<ul style="list-style-type: none"> • Refer to <i>Clearing Hydraulic Lockups</i> on page 4.
When preparing the chair for shipping, the frame posts won't lower all the way to the floor:
<ul style="list-style-type: none"> • Press down and hold the selector lever in the SEAT LOWER position and press and hold down the lift lever simultaneously.
Chair's hydraulics feel sluggish or jerky when raising or lowering the seat or backrest:
<ul style="list-style-type: none"> • Refer to <i>Purging Air from the Hydraulic System</i> on page 5. • Refer to <i>Adding Oil to the Hydraulic System</i> on page 7.
Oil is leaking from the hydraulic system:
<ul style="list-style-type: none"> • NOTE: Small amounts of oil leaking after prolonged use are normal. • Tighten all hydraulic hose fittings and port plugs on the hydraulic pump. If leakage persists, contact Aseptico customer service about returning the hydraulic assembly for repairs.

REV.	E.C.O.	DESCRIPTION	DATE
A	13446	RELEASED TO PRODUCTION	9-9-14
B	13827	REARRANGE VIEWIS OF HYDRAULICS	4-22-16
C	13890	REMOVED 46231Z WEDGE PUMP	6-21-16
D	14030	890044 VWS 890044-08	11-29-16
E	14567	REVISED ASSEMBLY	6-19-18
G	14739	ADDED THIRD TIE W/RAIP TO 3300AL LEVER ASSEMBLY	5-28-20
H	14983	ADDED VISUAL EXAM FOR CLEANNESS TO FINAL INSPECTION	6-19-19
I	15034	CHANGED FACEMEN OF ROSSLE 4622 18	8-11-20
J	15063	ADDED SPRING TO BACKREST LATI OH	10-29-22
K	15892	IMPLEMENTED "LEFT A HATEN" DETAIL D. SHT 8	6-24-23
L	16039	ADDED NOTE 1 AND "DO NOT OVERTIGHTEN" DETAIL D. SHT 8	6-24-23
M	16178	HEAD STRAP LOC. SCREW LENGTH	1-9-26

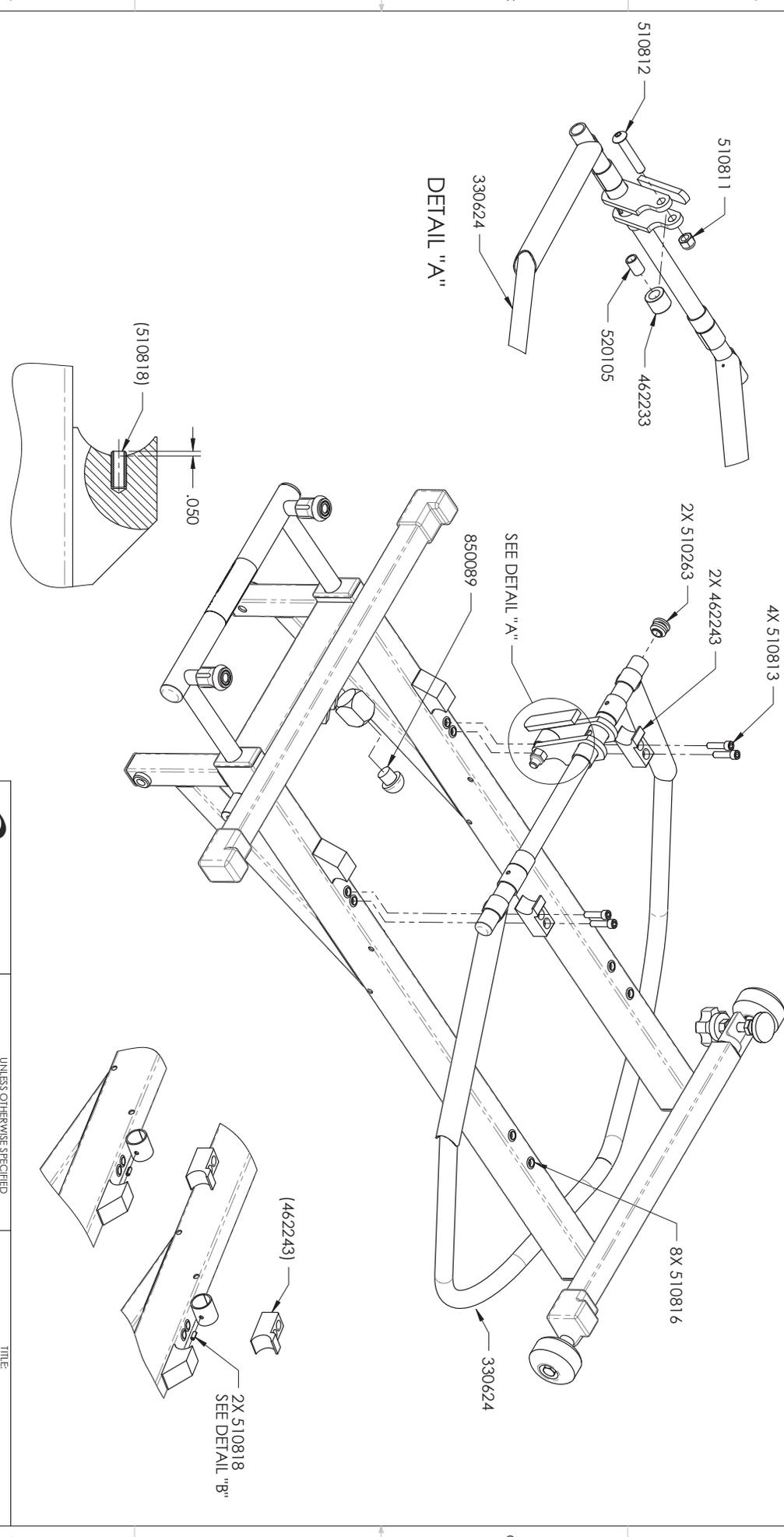


- NOTES:
- USE LOCTITE 680 GREEN (490019) ON ALL THREADS OR METAL TO METAL CONTACT WHERE MECHANICAL LOCKING IS NOT PRESENT.
 - CLEAR PAINT, BURRS AND DEBRIS FROM ALL HOLES PRIOR TO ASSEMBLY.



		ALL DIMENSIONS ARE IN INCHES TOL. FRACT. +0.015 ANGLES ±1/2° PERP. SURFACES TO BE SQUARE WITHIN 0.001"/IN. DIA. 3 ON COM. 4 TO BE CONC. WITHIN 0.003 TH. BREAK SHARP EDGES TO 0.015" R. FILED 0.003R. INVA. MATCH SURF. FINISH	
UNLESS OTHERWISE SPECIFIED TOLERANCE: XX = ±.01 XXX = ±.005 HOLES = ±.003-.000		APPROVAL: _____ DATE: 1-9-26 DWN: SCOT E CHK: _____ ENGR: _____ PROD: _____	
PO Box 1548 Woodinville, VA 98072 (425) 487-3157 FAX (360) 668-8722		TITLE: FINAL ASSY ADDC-02 PORTABLE CHAIR SITE: B FROM NO. 66250 SCALE: NONE REV: M DWG. NO.: 120387 SHEET: 1 OF 12	
THIS DOCUMENT INFORMATION IS PROPERTY OF ASEPTIC INC. AND MAY NOT BE USED FOR ANY REASON WITHOUT WRITTEN AUTHORIZATION.			

ASSEMBLE ROLLER IN TO FOOT LEVER BEFORE LEVER IS INSTALLED TO FRAME

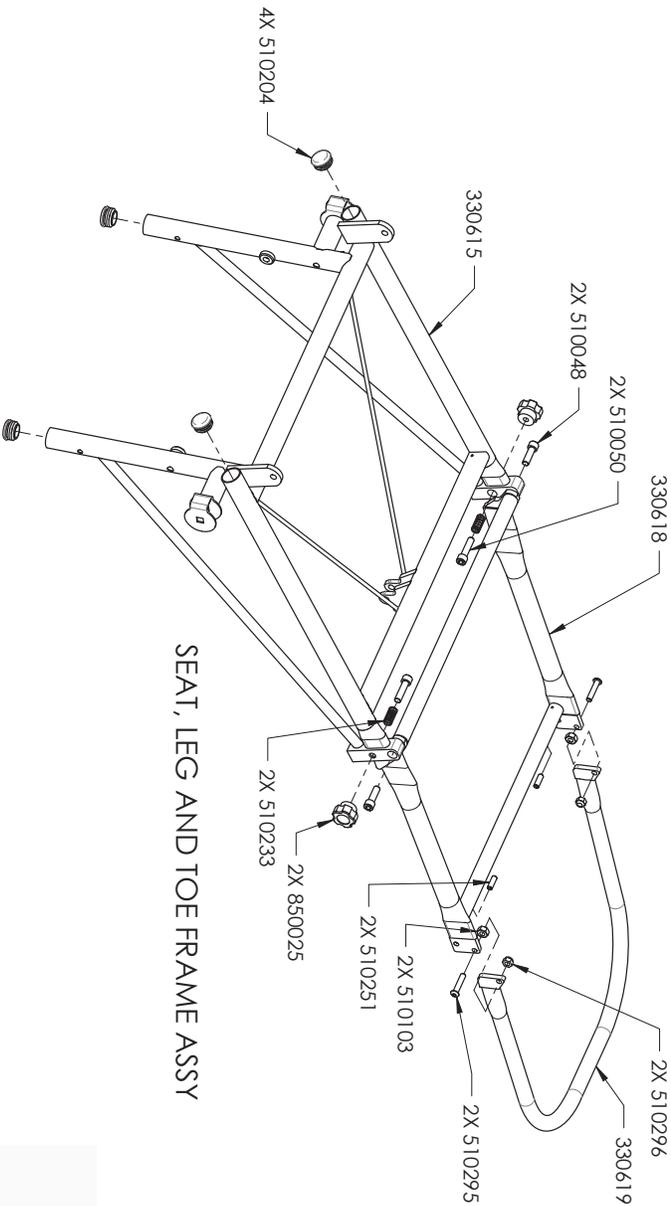


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		DESCRIPTION		SEE SHEET 1		DATE		

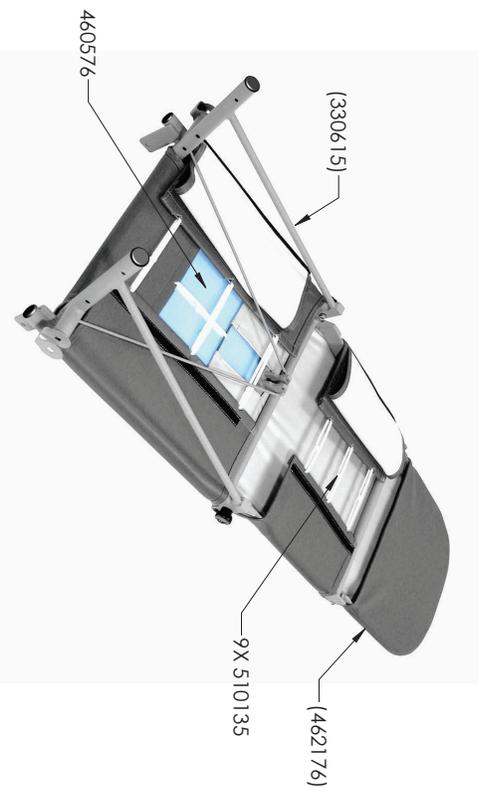
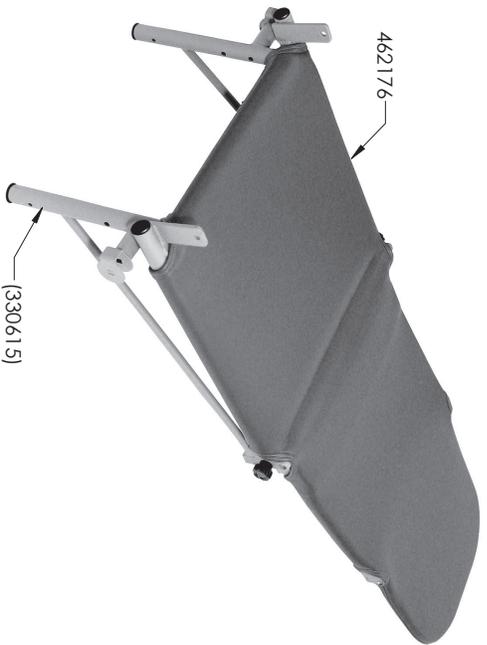
		ALL DIMENSIONS ARE IN INCHES TOL. FRACT. ± 0.015 ANGLES $\pm 1/2^\circ$ PREP. SURFACES TO BE SQUARE WITHIN 0.001 IN. DIA.'S ON CDM. Q. TO BE CONC. WITHIN 0.003 THK. BREAK SHARP EDGES 0.005 R MAX. FILE'S D/008R, 1/008A, 1/008B, SURE FINISH TOLERANCE: XX = ± 0.01 XXX = ± 0.05 HOLES = ± 0.03 -.000		TITLE: FINAL ASSY ADC-02 PORTABLE CHAIR	
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DESCRIPTION		SEE SHEET 1		DATE				

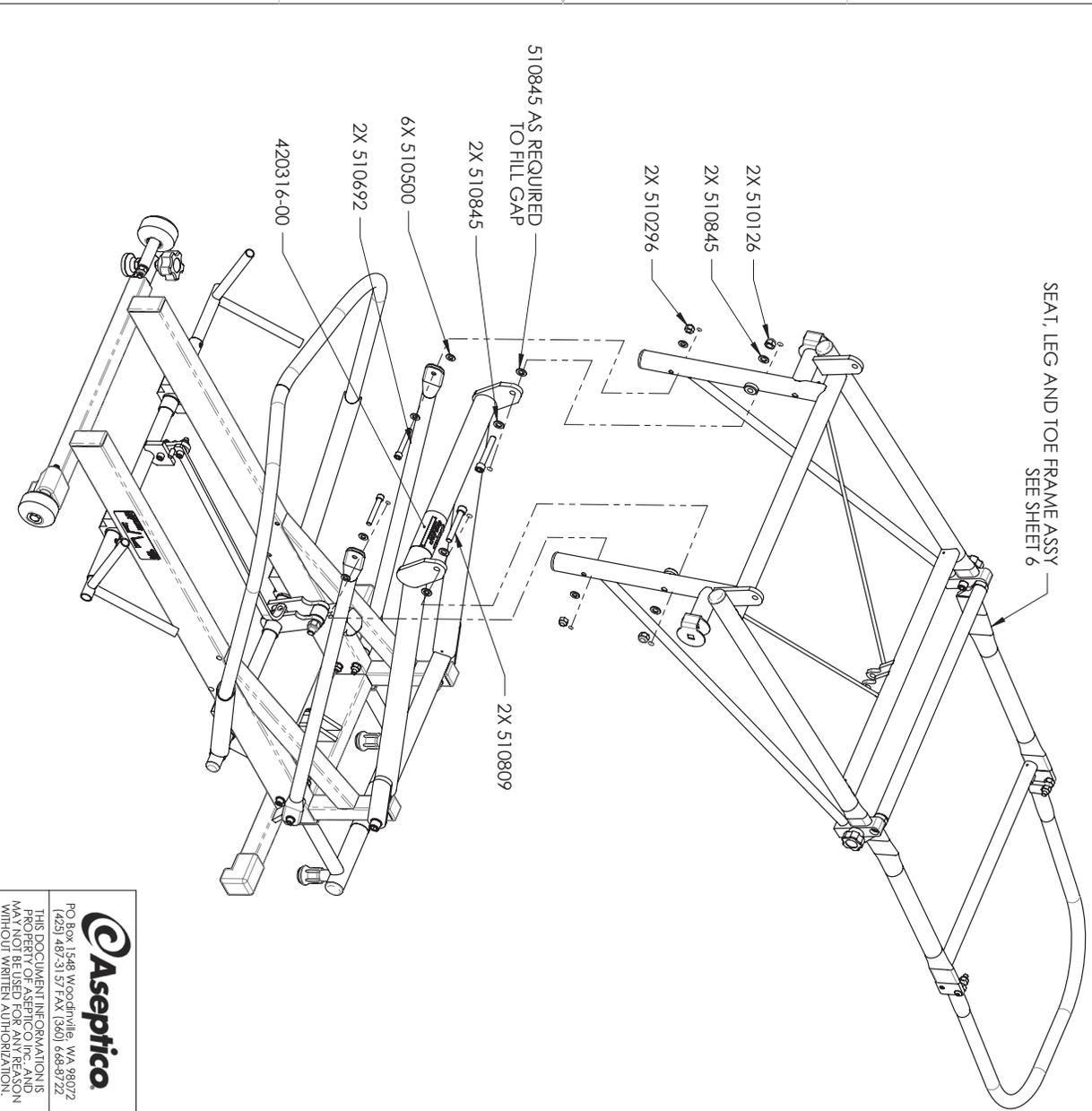


SEAT, LEG AND TOE FRAME ASSY



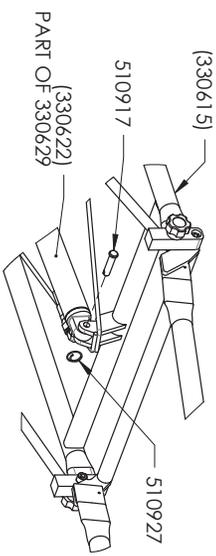
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REV.	E.C.O.	120387 Rev M	DWG. NO.	120387	SHEET:	7	REV.	M
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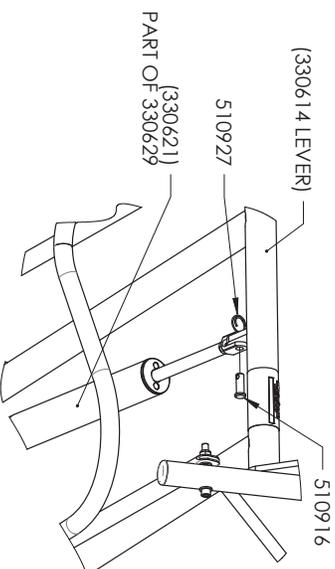


		ALL DIMENSIONS ARE IN INCHES TOL. FRACT. ± 0.015 ANGLES $\pm 1/2^\circ$ PREP. SURFACES TO BE SQUARE WITHIN 0.001 IN. DIA.'S ON CDM. Q. TO BE CONC. WITHIN 0.003 TH. BREAK SHARP EDGES 0.003 R. FILED SURF. EDGES 0.003 FINISH FILED SURF. EDGES 0.003 FINISH TOLERANCE: XX = ± 0.1 XXX = ± 0.05 HOLES = ± 0.03 -.000		TITLE: FINAL ASSY ADC-02 PORTABLE CHAIR	
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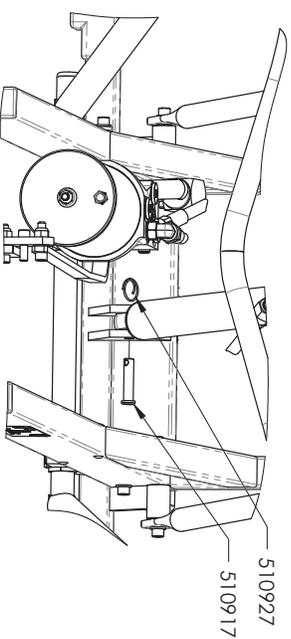
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120387 Rev M	120387	120387	8 M



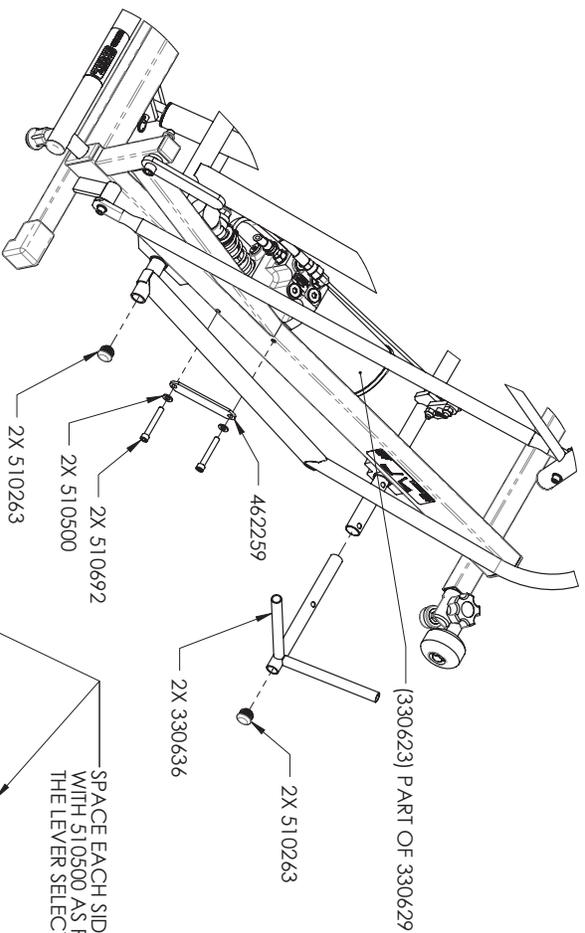
BACKREST CYLINDER MOUNTING TO SEAT FRAME



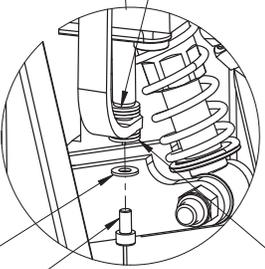
SEAT CYLINDER MOUNTING TO LEVER



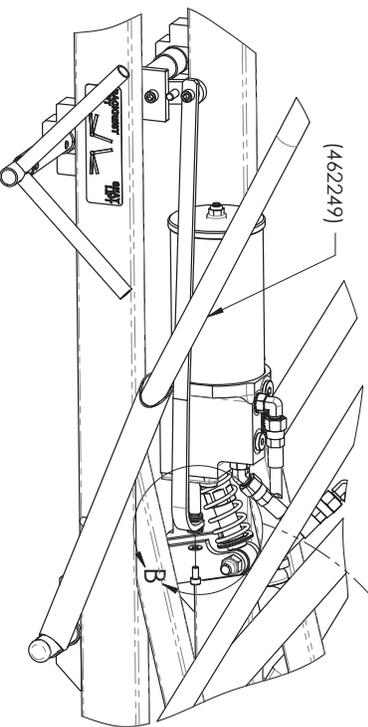
SEAT CYLINDER MOUNTING TO BASE



PUMP MOUNTING TO BASE



DETAIL B

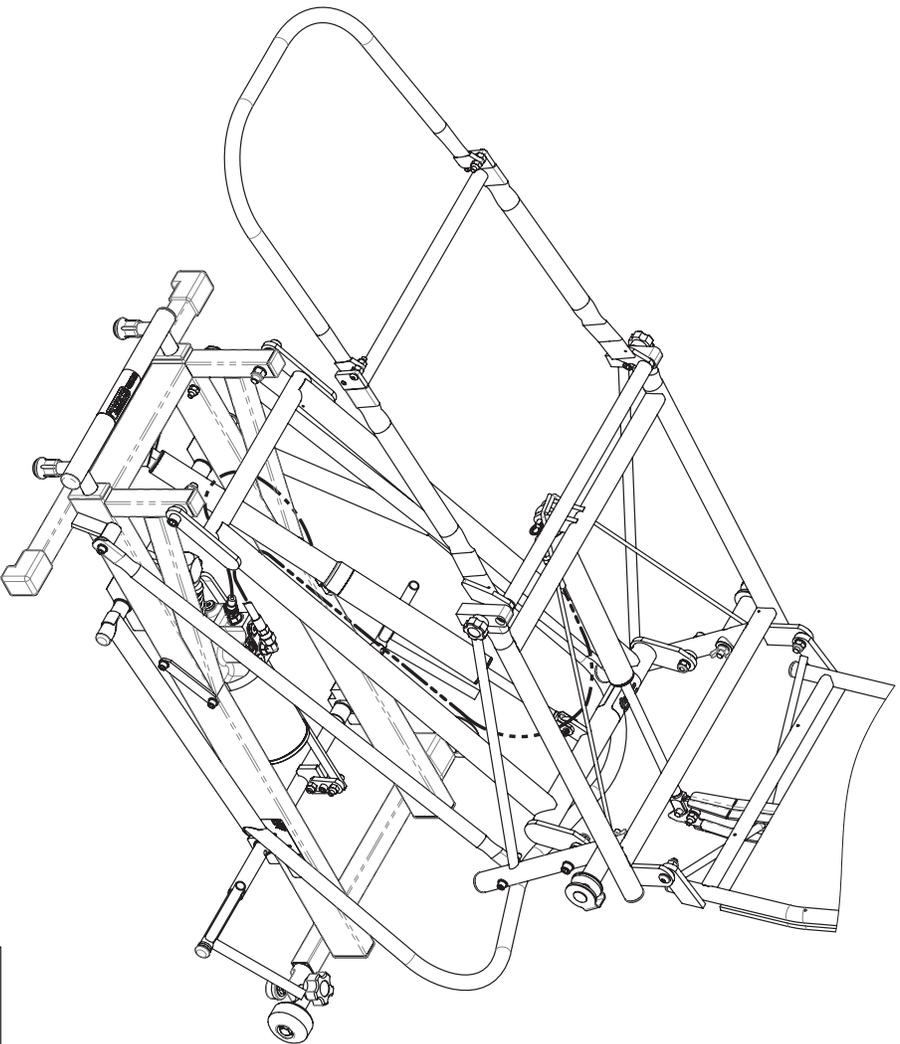
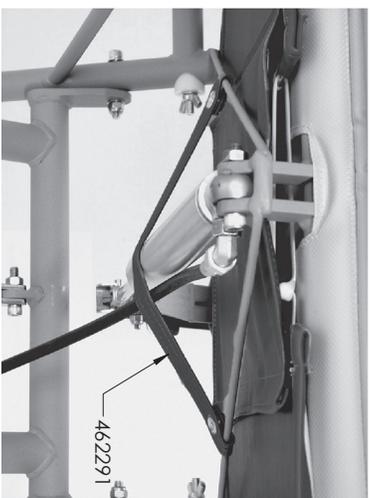


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 DIA.'S ON CDM. Q. TO BE CONC. WITHIN 0.003 IN.
 BREAK SHARP EDGES 0.003 R MAX.
 FILES 0/00R, 1/00A, 1/00G1, SURE FINISH
 TOLERANCE: XX = ±.01
 XXX = ±.005
 HOLES = ±.003, .000

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 SITE: B FROM NO. 68250 SCALE: NONE REV: M
 DWG. NO.: 120387 SHEET: 8

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 PREP. SURFACES TO BE SQUARE WITHIN 0.001 IN.
 DIA.'S ON C/W. Q. TO BE CONC. WITHIN 0.003 THK.
 BREAK SHARP EDGES 0.003 R MAX.
 FILE'S 0.003R. 1/4" DIA. SURF. FINISH

TOLERANCE: XX ± 0.01
 XXX ± 0.05
 HOLES ± 0.03 , 0.000

TITLE: FINAL ASSY ADC-02 PORTABLE CHAIR
 SITE: B FROM NO. 66250 SCALE: NONE REV: M
 DWG. NO.: 120387 SHEET: 10

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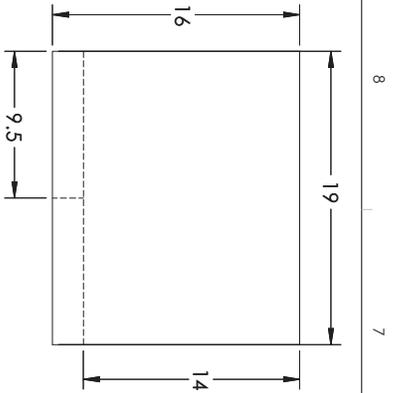
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120387 Rev M	120387	11	M
REV. E.C.O.	DESCRIPTION SEE SHEET 1	DATE	

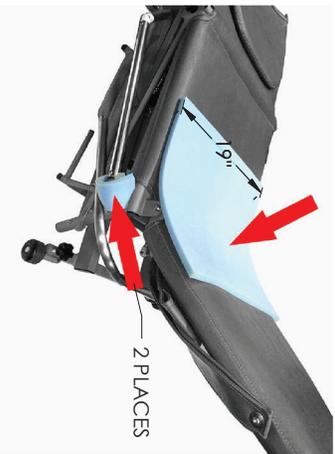
A. VISUAL EXAMINATION FOR DEFECTS:

- Unit design, construction, operation, and performance should be per drawing.
- No hardware components such as pins, screws and fasteners should be missing; broken or otherwise damaged.
- Finish should be as specified.
- No damage or defects on exterior or interior surfaces should be present.
- No plating should be missing which effects function. Plating should be free from blisters, peeling, visible porosity or other defects.
- No components should be fractured, broken, punctured, torn, bowed, deteriorated, or malformed.
- Component should be placed in proper alignment and fit or mate properly. Interface fits between components should be proper (not too loose; too tight/binding).
- No fastening device requiring loosening or removal should be swaged, peened, staked, or otherwise permanently fastened.
- Removable components should be able to be removed or replaced without difficulty.
- Coarse machine, tool or die marks should not be present where inappropriate.
- Should be clean. Visually inspect for surface cleanliness and particulate contamination.
- Damage or defects on exterior or interior surface should not be present.
- Operating Instructions and Service Data should be provided when listed on the Bill of Material.
- Serial Number and Part Number markings should be present, complete, permanent, and correct.

		ALL DIMENSIONS ARE IN INCHES TOL. FRACT. ± 0.015 ANGLES $\pm 1/2^\circ$ PREP. SURFACES TO BE SQUARE WITHIN 0.001 IN. DIA.'S ON COM. Q. TO BE CONC. WITHIN 0.003 THK. BREAK SHARP EDGES 0.005 RAN. FILES 0.008; 1.000; 1.000; SURF. FINISH	
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SIZE: B		FROM NO. 66250	
DWG. NO. 120387		SCALE: NONE	
		REV. M	
		SHEET: 11	



CUT FOAM (461160) ON DOTTED LINES



LARGE PIECE GOES IN BEND
SMALL PIECES ARE TAPED AROUND
EACH ELBOW TO PREVENT RUBBING
ON THE FOOT PEDAL DURING TRANSIT



12 APPLY ARMOR ALL TO BOTH SLIDES



WITH CHAIR COLLAPSED
INSTALL BACKREST BELT (462375)
UNDER LEVER (330614) AND
OVER BACKREST AS SHOWN.

120387 Rev M		DWG. NO.	120387	SHEET:	12	REV.	M
REV.	E.C.O.	DESCRIPTION SEE SHEET 1		DATE			

Final Inspection Procedure 120387 ADC-02 Portable Dental Chair

1. Perform Visual Inspection as shown on previous sheet.
2. Check that pump functions properly.
3. Check selector lever has balanced position between seat and backrest positions.
4. Check selector levers are adjustable and are stored in inner position.
5. Check backrest cylinder hose is securely attached with two tie-wraps.
6. Check hoses for clearance up and down.
7. Check backrest cylinder strap properly positioned and secure.
8. Check fasteners in movable joints are close but not tight.
9. Check all other fasteners are secure.
10. Check handle moves freely and is secure when extended.
11. Check three fixed feet are properly positioned and secure and adjuster foot is up and knob securely attached.

12. Check that Handle Stabilizer slides easily - Apply Armor All.
13. Check backrest pillow and arm slings properly attached.
14. Check four labels are properly attached and backrest note is next to the handle.
15. Check arms are in outer position and wingnuts are medium tight.

For Shipment:

- Check backrest cylinder is partially extended 6 in. before backrest release.
- Lower seat completely, apply foam, attach backrest strap and stow backrest pillow, arms and slings.

		ALL DIMENSIONS ARE IN INCHES TOL. FRACT. ±0.015 ANGLES ±1/2° PREP. SURFACES TO BE SQUARE WITHIN 0.001 IN. DIA.'S ON C/W, Q. TO BE CONC. WITHIN 0.003 THK. BREAK SHARP EDGES TO 0.030 R/A/N. FILES 0/00R; 1/A/N; 4/M; 6/GH; SURF. FINISH	
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TOLERANCE: XX = ±.01 XXX = ±.005 HOLES = ±.031-.000		DWG. NO.: 120387	REV.: M

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WARRANTY

Aseptico Inc. warrants its new products against defects in material and workmanship under normal and proper use, care, and maintenance for a period of two (2) years from date of original invoice. This two (2) year warranty does NOT apply nor is it extended to products that are not manufactured by Aseptico. These products may be covered by a separate limited warranty provided by the particular manufacturer, and all claims and questions regarding the same are to be directed to the particular manufacturer.

Expendable components, such as batteries, fuses, light bulbs, and tubing sets installed on Aseptico products are specifically excluded and have no warranty. Consumable goods are warranted for the stated expiration date of such goods.

Repair or replacement of any product(s) or part(s) under this warranty does not extend the term of this warranty, and such product(s) or part(s) shall remain covered by the unexpired portion of the warranty period, or for ninety (90) days from the date of return to Aseptico, whichever is later. This limited warranty applies only to the initial or first installation of the product or part.

During the specific warranty periods set forth above, Aseptico will, at its option, repair or replace the product(s) or particular part(s) that are found to be defective in either material or workmanship in part or whole. Aseptico shall be the sole arbiter of such action. In the event of alleged defect under warranty, the purchaser is to notify Aseptico's Customer Service department promptly. Customer Service will provide Return Material Authorization (RMA) instructions, usually directing that the product be returned for service, shipping prepaid by the buyer or end user, to Aseptico or its designated and authorized warranty service center.

This warranty shall not apply to products (1) that have been subjected to neglect, abuse, misuse, improper installation, inadequate maintenance, or damage due to improper use of cleaning materials or chemicals, or non-compliance with Aseptico's storage, installation, operation, maintenance or environmental requirements; (2) that have undergone any modification or repair not previously authorized by Aseptico in writing, or service, repair or modification by or from any facility other than an authorized Aseptico service center or technician, or that use non-authorized software or spare or replacement parts; or (3) that fail due to reasonable and normal use or wear and tear, or materials made, furnished or specified by the buyer or end user.

Aseptico does not assume under this warranty any risks or liabilities arising from the clinical use of its products, whether or not such use involves coincidental utilization of products manufactured by others. Under no circumstances will Aseptico be liable or responsible for special, compensatory, incidental, consequential or punitive damages, lost profits, lost sales, or loss of use or loss of business opportunity by or through the use of the product. Aseptico's sole and maximum liability with respect to the product, other than its obligations set forth above, shall be the total purchase price paid for the product.



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