QA3™

Patient Trolley

Instructions for Use

Products;

Code 21110 – v4.0 QA3 Patient Trolley
Code 21112 – v4.0 QA3 ***DRIVE*** Patient Trolley
Code 21114 – v4.0 QA3 ***DRIVE*** Powered Patient Trolley
Code 21116 – v4.0 QA3 Powered Patient Trolley
Code 21120 – v4.0 QA3 Emergency Trolley
Code 21122 – v4.0 QA3 ***DRIVE*** Emergency Trolley
Code 21124 – v4.0 QA3 ***DRIVE*** Powered Emergency Trolley
Code 21126 – v4.0 QA3 Powered Emergency Trolley

AneticAid

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1. Introduction

These instructions are intended to assist you with the operation of the QA3 Patient Trolley series; it is important that they are read thoroughly before using the equipment. The device will be adversely affected and its life expectancy reduced if the following instructions are not observed. The QA3 Patient Trolley series and product variants are;

Code 21110 – v4.0 QA3 Patient Trolley
Code 21112 – v4.0 QA3 ***DRIVE*** Patient Trolley
Code 21114 – v4.0 QA3 ***DRIVE*** Powered Patient Trolley
Code 21116 – v4.0 QA3 Powered Patient Trolley
Code 21120 – v4.0 QA3 Emergency Trolley
Code 21122 – v4.0 QA3 ***DRIVE*** Emergency Trolley
Code 21124 – v4.0 QA3 ***DRIVE*** Powered Emergency Trolley
Code 21126 – v4.0 QA3 Powered Emergency Trolley

It is also important to check the trolley before use to ensure there is no loss or change in performance; ensure that all trolley functions operate to their full range of movement and that all components disengage, re-engage and lock correctly. We recommend that the trolley is visually inspected for any loose or damaged parts, foreign bodies caught in the castors, and hydraulic fluid leakage.

NOTE:	If the trolley is damaged or faulty it **must** be taken out of use with immediate effect and the fault reported to Anetic Aid, your authorised dealer or maintenance department. The trolley **must not** be used until the damage or fault has been repaired.

1.1. Warnings & Cautions

Various warnings and cautions are made throughout these operating instructions.

⚠ A **WARNING** is given when the personal safety of the patient or user may be affected and when disregarding this information could result in injury.

⚠ A **CAUTION** is given when special instructions must be followed. Disregarding this information could result in permanent damage being caused to the trolley.

1.2. Intended Use & Contraindications

The device's intended use is as a method of transporting a patient to and from and in a theatre, clinical or emergency medical department environment, being used for examination, intubation, radiography and recovery of a patient following anaesthesia.

CONTRAINDICATIONS:

- The trolley is not compatible with hospital bed/trolley washers.
- The trolley must not be used near magnetic resonance imaging (MRI) machines, or any machines generating a large magnetic field.
- Do not use the trolley for transporting patients in a moving vehicle.
- The trolley should not be used outside; it may be damaged by pushing it across rough or uneven ground.

1.3. Equipment Classification

The equipment referenced in this document is CE marked and has been classified as a Class 1 Medical Device under the scope of both the Medical Devices Directive 93/42/EEC and the Medical Device Regulation 2017/745.

1.4. Serial Number Label

The serial number label is located on the base cover moulding; see Fig.2.

1.5. Putting the Trolley into Service

Care should be taken when removing packaging, avoid the use of sharp implements wherever possible.

It is important that the trolley is working properly, fully charged (if applicable to the model, see Section 22. Battery Charge Level Indication, Battery Charging & Maintenance), cleaned and disinfected before it is put into service. Use this manual to check all the functions and refer to section 38. Cleaning and Disinfecting the Trolley.

The trolley should only be used, for its intended use, by suitably trained personnel who have familiarised themselves with the functions of the trolley. Our representatives are available for on-site consultation or training and our head office team will be pleased to answer any queries you may have.

1.6. Abridged Summary of Warnings and Cautions

In common with all medical devices of this nature there are inherent risks that the user should be made aware of, including potential pinch points from moving parts. Whilst every effort has been taken to eliminate these risks, care should be taken when using the trolley. It is important that the user familiarise themselves with all of the warnings and cautions contained within this document.

- If the trolley is damaged or faulty it **must** be taken out of use with immediate effect and the fault reported to Anetic Aid, your authorised dealer or maintenance department. The trolley **must not** be used until the damage or fault has been repaired.
- When leaving patients unattended the trolley should be fully lowered to minimise any risk of injury should the patient fall off the trolley.
- Always apply the brakes when a patient is getting on or off the trolley, or when transferring patients from the trolley to another platform.
- It is important to ensure that nothing impedes the side rail release lever from locking correctly; ensure that the release lever remains visible at all times.
- After raising the side rail, it is important to ensure that it has locked in position by pushing down on the side rail; failure to ensure the side rail is properly locked could result in injury to the patient.
- If the side rail mounted IV pole is in use when either raising or lowering the side rail it is important to check the infusion flow rate as the height of the infusion above the patient will change by approximately 300mm (11.8”).
- When the backrest is raised, the fold-away pushing handles can come in close proximity to the patient’s head and care should be taken.
- Syringe drivers (and similar devices) can be mounted to the IV pole if extreme care is taken when lowering or lifting the side rail with additional weight attached.
- When folding the transfusion pole away ensure that it is fully retracted and returned to its storage position within the side rail; failure to do this may cause the pole to get caught on obstructions when pushing the trolley.
- Using the transfusion pole to either push or pull the trolley may cause permanent damage to the transfusion pole and the side rail.
- Do not raise the backrest with the x-ray tray, x-ray cassette or digital plate across the backrest hinge as damage may occur.
- Do not use a trolley bed push, or other mechanical means for propulsion of the trolley, on a trolley fitted with ***DRIVE*** assist.
- The maximum slope angle for ***DRIVE*** assist is 6°; exceeding this angle could result in damage to the trolley or the fabric of the building.
- Ensure the mains charging lead is disconnected before attempting to move the trolley; failure to do so could result in damage to the trolley or the fabric of the building.
- Do not stow the fold-away handles when driving, or whilst ***DRIVE*** assist is active. Ensure the brakes are engaged before stowing the fold-away handles.

- When leaving a patient unattended, always switch off the ***DRIVE*** assist function and apply the brakes.
- Do not release the trolley down a slope and rely on the ***DRIVE*** wheel brake to control the trolley descent.
- Ensure there is nothing to impede the raising or lowering of the patient platform, backrest, or KneeFlex as this could result in damage to the equipment and/or injury to the patient.
- Incompatible mattresses can create hazards; only replace the mattress with a new mattress supplied by Anetic Aid, or your authorised dealer, to ensure compatibility in accordance with BS EN 60601-2-52:2010+A1:2015.
- Disinfectant products are corrosive in nature; failure to properly wash and dry the trolley surfaces could leave a corrosive residue which may cause damage to the trolley.
- Do not use concentrated bleaching disinfectant solutions, organic solvents, abrasive powders or expose any part of the trolley to excessive heat.

2. Product Specifications

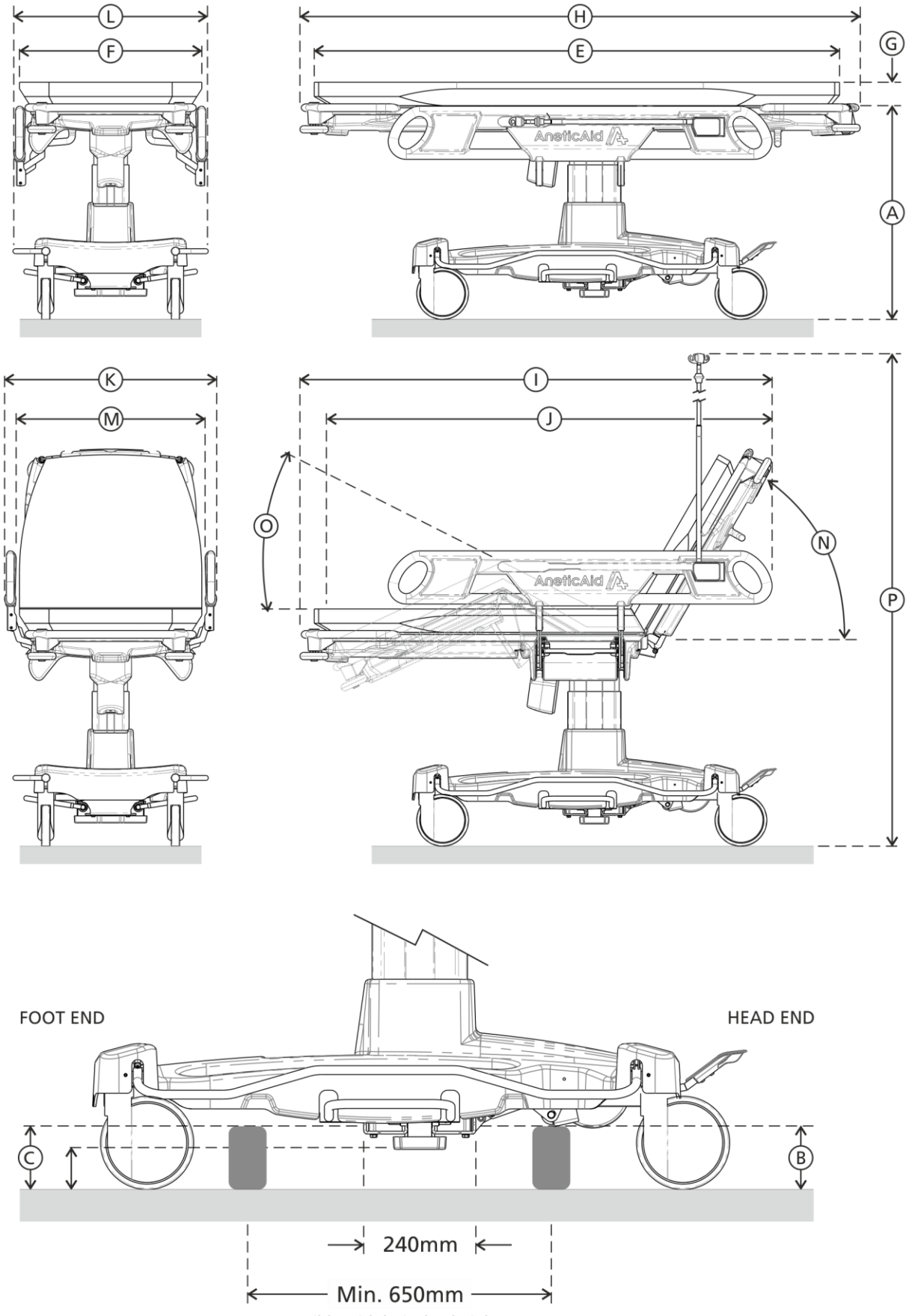


Fig. 1

Product Specifications

Key to Fig. 1		QA3 Patient Trolley (and build options)		QA3 Emergency Trolley (and build options)	
Castor Diameter		Ø150mm (5.9”)	Ø200mm (7.9”)	Ø150mm (5.9”)	Ø200mm (7.9”)
	NOTE: Ø150mm are the standard option, Ø200mm is a build option.				
Height Range:					
A.	Minimum Trolley Height	475mm (18.7”)	520mm (20.5”)	535mm (21.1”)	580mm (22.8”)
	Maximum Trolley Height	775mm (30.5”)	820mm (32.3”)	835mm (32.9”)	880mm (34.6”)
NOTE: Height is measured from the floor to the patient platform and does not include the mattress.					
Ground Clearances Under the Trolley Base:					
B.	Under the 5th Wheel Pedal Mechanism, Head End	90mm (3.5”)	90mm (3.5”)	90mm (3.5”)	90mm (3.5”)
C.	Under the Base Frame, Foot End	90mm (3.5”)	135mm (5.3”)	90mm (3.5”)	135mm (5.3”)
D.	Under the Lifting Column	44mm (1.7”)	90mm (3.5”)	44mm (1.7”)	90mm (3.5”)
NOTE: The ground clearance figures quoted are general guidelines; as per Fig.1 the trolley is compatible with hoists with leg heights up to 120mm on either castor option, Ø150 or Ø200mm.					
Mattress Dimensions (standard) and <800> Mattress (build option):					
E.	Std. Mattress Length	2025mm (79.7”)			
	<800> Mattress Length				
F.	Std. Mattress Width	700mm (27.6”)			
	<800> Mattress Width	800mm (31.5”)			
G.	Std. Mattress Depth	90mm (3.5”)			
	<800> Mattress Depth	105mm (4.1”)			
NOTE: Refer to Section 37, ‘K8 Pressure Care Mattress’, for full specification details.					
Trolley Length:					
H.	Patient Platform Flat	2150mm (84.6”)			
I.	Backrest Raised	1820mm (71.7”)			
J.	Backrest & KneeFlex Raised	1700mm (66.9”)			
Trolley Widths (standard) and <800> (build option) :					
K.	Side Rails Up (std.)	805mm (31.7”)			
	Side Rails Up (<800>)	905mm (35.6”)			
L.	Side Rails Down (std.)	735mm (28.9”)			
	Side Rails Down (<800>)	795mm (31.3”)			
	Brakes Off	735mm (28.9”)			
M.	Width between Side Rails Up (std.)	745mm (29.3”)			
	Width between Side Rails Up (<800>)	845mm (33.3”)			
Backrest & KneeFlex Articulations:					
N.	Manual Function Backrest	0 - 90°			
	Powered Function Backrest	0 - 70°			
O.	KneeFlex	0 - 30°		N/A	
IV Pole:					
P.	Maximum Height of Pole	2110mm (83.1”)		2155mm (84.8”)	
	Maximum Weight per Hook	3kg (6.6lbs) or 3 Litres (101.4 fl oz.)			
	Safe Working Load	6kg (13lb)			
Trendelenburg:					
Trendelenburg		12°			
Reverse Trendelenburg		10°			
NOTE: Trendelenburg is a standard trolley function, Reverse Trendelenburg is an optional function.					

Product Specifications

Patient Weight Limit and Safe Working Load (SWL):		
Maximum Patient Weight	320kg (705.5lbs)	
Safe Working Load (SWL)	320kg (705.5lbs)	
NOTE: Refer to Section 36, 'Patient Weight Limit', for more information about maximum patient weight limit, safe working load and special precautions when handling heavy patients.		
Trolley Weights:		
Code 21110 / Code 21120	128.0kg (282.2lbs)	148.0kg (326.3lbs)
Code 21112 / Code 21122	143.5kg (316.4lbs)	157.0kg (346.1lbs)
Code 21114 / Code 21124	148.0kg (326.3lbs)	162.5kg (358.3lbs)
Code 21116 / Code 21126	141.0kg (310.9lbs)	154.5kg (340.6lbs)
NOTE: Fitting the Ø200mm castor option adds 2kg to the total trolley weight.		

***DRIVE* Assist Function:**	
DRIVE Assist range	> 20km (12.4 miles)
NOTE: This figure is a guide only, and will vary depending upon a number of conditions, i.e.; patient weights, the number and severity of inclines, battery age, etc.	
Maximum slope angle	6°
DRIVE Handle deactivation	3 minutes
System switch off	30 minutes

Battery Type, Mains Charging Input, Charging Times:	
Battery specification	NiMH, 9Ah 24V
Mains charging input	100-240V~, 50-60Hz. ⊟ T2.5A 250V 20mm
Full charge time from flat	5hrs
Partial charge time	30 minutes per 10% of the full charge
NOTE: The charging figures quoted are dependent upon the age and condition of the battery, and are guidelines only.	

IP Rating:	IPX4

Environmental Conditions:		
Temperature:	Operation	10°C to 50°C
	Storage & Transport	-20°C to 50°C
Relative Humidity:	Operation	30% to 75%
	Storage & Transport	10% to 75%
Atmospheric Pressure:	Operation	70kPa to 106kPa
	Storage & Transport	50kPa to 106kPa

Environmental Regulatory Information; WEEE, waste batteries, etc.:
For the latest information about Anetic Aid's environmental policy, WEEE policy, and the safe disposal of this product, please refer to our website.

NOTE: All dimensions quoted are subject to the following tolerances; angles ±5°, lengths and widths ±25mm, depths ±10mm. Anetic Aid reserves the right to change specifications without notice.

3. Patient Trolley Product Functions (21110)

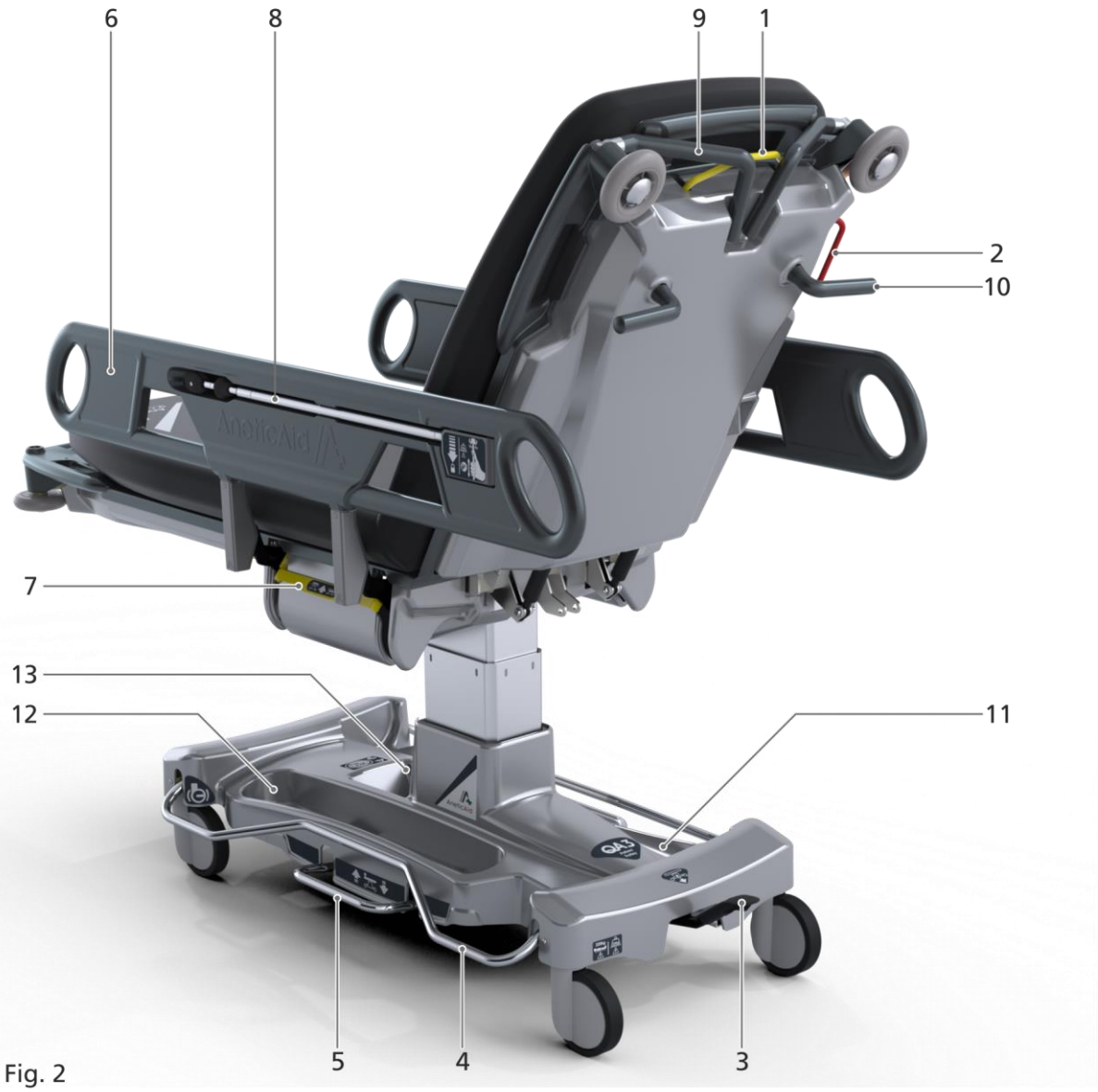


Fig. 2

Key to Fig.2	
1.	Backrest Actuation Lever
2.	Trendelenburg Actuation Lever
3.	Steering Pedal (activates 5th wheel)
4.	Brake Pedal
5.	Raise and Lower Pedal
6.	Side Rail
7.	Side Rail Release Lever
8.	Fixed Transfusion Pole
9.	Fold-away Pushing Handles
10.	Fixed Pushing Handles
11.	Oxygen Cylinder Mounting Trough (accommodates F, ZX, D, E & CD size's) **NOTE:** A CD cylinder support bracket is available (catalogue no. 53556)
12.	Storage Recess
13.	Serial Number Label

4. Emergency Trolley Product Functions (21120, 21122, 21124 and 21126)

Fig. 3

Key to Fig.3 - See Patient Trolley specification for standard features (Fig.2)	
14.	Additional Fixed Transfusion Pole
15.	'V' Mounting for 1 Litre Suction Canister
16.	X-Ray Platform

5. *DRIVE* Assist Product Functions (21112, 21114, 21122 and 21124)

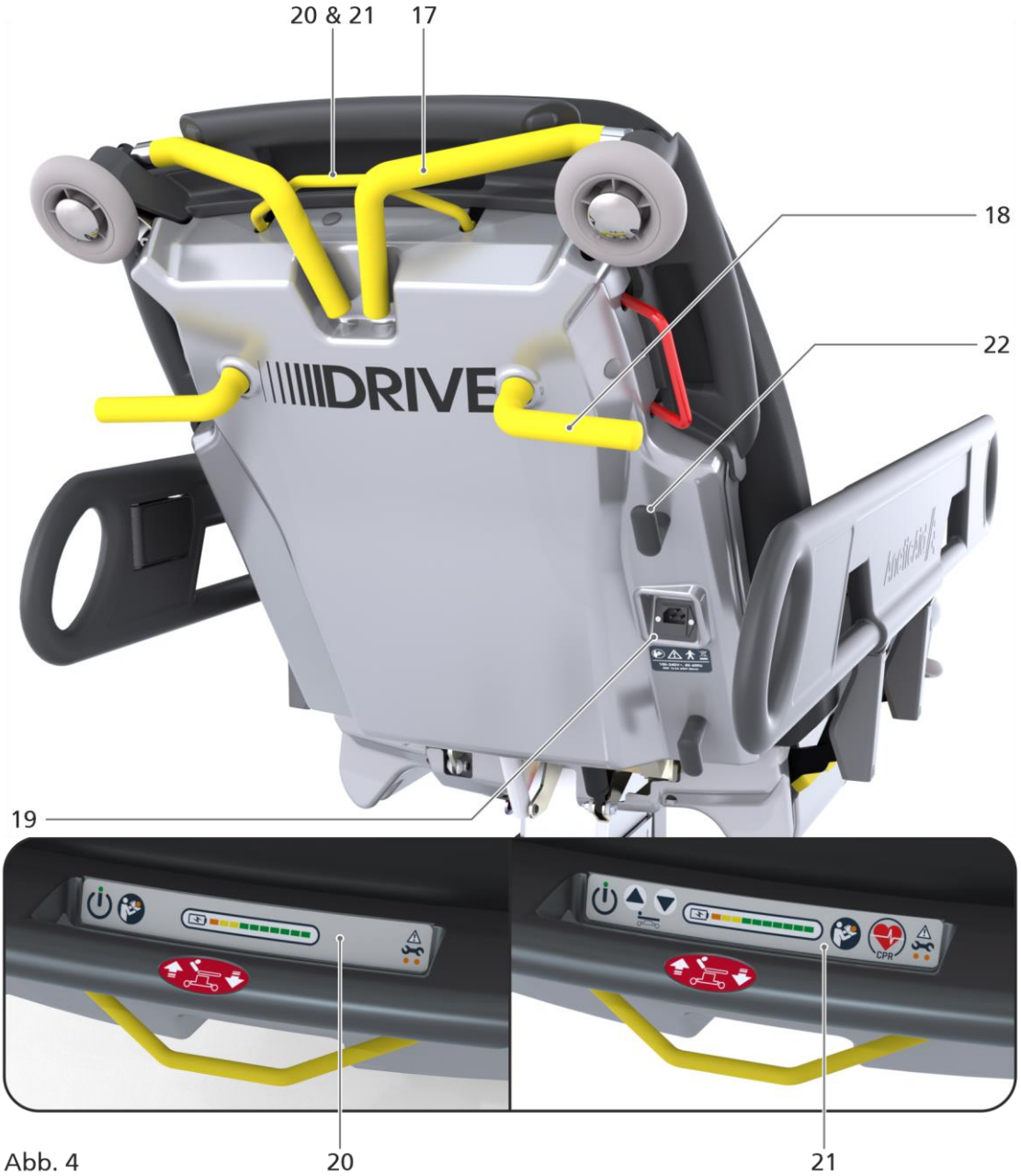


Abb. 4

Key to Fig.4	
17.	Fold-away ***DRIVE*** assist Pushing Handles
18.	Fixed ***DRIVE*** assist Pushing Handles
19.	Charging Socket
20.	Head End User Interface, see Fig. 10 in Section 17 for more details. Used on ***DRIVE*** Patient Trolley (21112), ***DRIVE*** Emergency Trolley (21122)
21.	Head End User Interface, see Fig. 11 in Section 17 for more details. Used on ***DRIVE*** Powered Patient Trolley (21114), ***DRIVE*** Powered Emergency Trolley (21124). **NOTE:** This interface has a CPR Position Button for use with Powered Function trolleys only.
22.	Storage hooks for the mains power lead

6. Powered Product Functions (21114, 21116, 21124 and 21126)

Fig. 5

Key to Fig.5	
23.	Head End User Interface, see Fig. 10 in Section 17 for more details. Used on ***DRIVE*** Powered Patient Trolley (21114), ***DRIVE*** Powered Emergency Trolley (21124)
24.	Foot End User Interface, see Fig. 12 in Section 25 for more details. Used on Powered Patient Trolley (21116), ***DRIVE*** Powered Patient Trolley (21114) Powered functions: Height, Backrest, KneeFlex and CPR Position Button
25.	Foot End User Interface, see Fig. 13 in Section 25 for more details. Used on Powered Emergency Trolley (21126), ***DRIVE*** Powered Emergency Trolley (21124) Powered functions: Height, Backrest and CPR Position Button
26.	Emergency stop button

7. Introduction to Manual Functions

This section of the document gives a description of product functions that are manually operated, and how to use them. Some of the manual functions are common across the product range, and are relevant to ***DRIVE***, ***DRIVE*** Powered and Powered trolleys.

8. Height Adjustment

The height of the patient platform is adjusted by using either of the raise and lower pedals (item 5, Fig.2). Pumping either pedal will raise the patient platform, lifting either pedal will lower the patient platform.

⚠	**WARNING:** Ensure there is nothing to impede the raising or lowering of the patient platform as this could result in damage to the equipment and/or injury to the patient.
⚠	**WARNING:** When leaving patients unattended the trolley should be fully lowered to minimise any risk of injury should the patient fall off the trolley.

9. Using the Brakes

All four castors are simultaneously braked by depressing either of the brake pedals at any point along the length of the pedal (item 4, Fig.2). The brakes are disengaged by lifting either pedal.

⚠	**WARNING:** Always apply the brakes when leaving a patient unattended, a patient is getting on or off the trolley, or transferring patients from the trolley to another platform.

10. Using the Steering Pedal, activates 5th wheel

The trolley can be manoeuvred more easily by engaging the 5th wheel steering mechanism (item 3, Fig.2). NOTE: This is a non-powered 5th wheel, see Section 17. 'Introduction to ***DRIVE*** Assist', for details about the powered ***DRIVE*** assist wheel option. The mechanism is engaged, and disengaged, by pressing down on the steering pedal. To move the trolley sideways disengage the 5th wheel.

⚠	**CAUTION:** Applying the steering pedal with excessive force, i.e. by standing on it, may cause permanent damage to the mechanism.

11. Using the Side Rails

The trolley is fitted with two side rails that can be individually raised and lowered (item 6, Fig.2). Lower the side rail by pulling up on the side rail release lever (item 7, Fig.2) and pushing the side rail down. Raise the side rail by gripping it and pulling up firmly to its full height; the release lever will make an audible 'CLICK' when engaged. The side rail will now be locked into position.

⚠	**WARNING:** It is important to ensure that nothing impedes the side rail release lever from locking correctly; ensure that the release lever remains visible at all times.
⚠	**WARNING:** After raising the side rail it is important to ensure that the release lever has properly locked in position by pushing down firmly on the side rail. Failure to ensure the side rail is properly locked could result in injury to the patient.
⚠	**CAUTION:** If the side rail mounted IV pole is in use when either raising or lowering the side rail it is important to check the infusion flow rate as the height of the infusion above the patient will change by approximately 30cm.
NOTES:	The side rails are designed to prevent a patient inadvertently rolling off the trolley; they are not intended to restrain the patient.

NOTES: When the IV pole is in use, the weight of the side rail is increased and the side rail may lower more quickly. Keep a firm grip on the side rail as it lowers to control its movement; see section 15, 'Using the Transfusion Pole' for details on the maximum weight for the IV pole.

12. Using the Backrest

The backrest is moved up or down by pulling up on the backrest actuation lever (item 1, Fig.2) whilst keeping a firm grip on the pushing handle to control the movement.

NOTE: It is important to note that the backrest provides only minimal lift assistance; the patient should be assisted into a sitting position as the backrest is articulated up.

⚠ **CAUTION:** When the backrest is raised the fold-away pushing handles can come in close proximity to the patient's head and care should be taken.

13. Using the Trendelenburg Function

The patient platform can be moved into a Trendelenburg, or Reverse Trendelenburg, position by pulling up on the Trendelenburg actuation lever (item 2, Fig.2) whilst maintaining a firm grip on the platform handle to control the movement. The tilt speed can be controlled by the gradual squeezing of the actuation lever rather than pulling it fully.

NOTE: Trendelenburg is a standard trolley function, Reverse Trendelenburg is an optional function.

⚠ **WARNING:** When handling heavy patients, extreme care should be taken when attempting to tilt the platform head down and assistance should be sought to take the weight of the platform when released; failure to do so could result in injury to the user.

14. Using the Fold-away Pushing Handles

The trolley is fitted with two fold-away pushing handles at the head end of the trolley (item 9, Fig.2).

NOTE: It is an option to have fold-away pushing handles fitted to the foot end of the trolley (catalogue no. 21155).

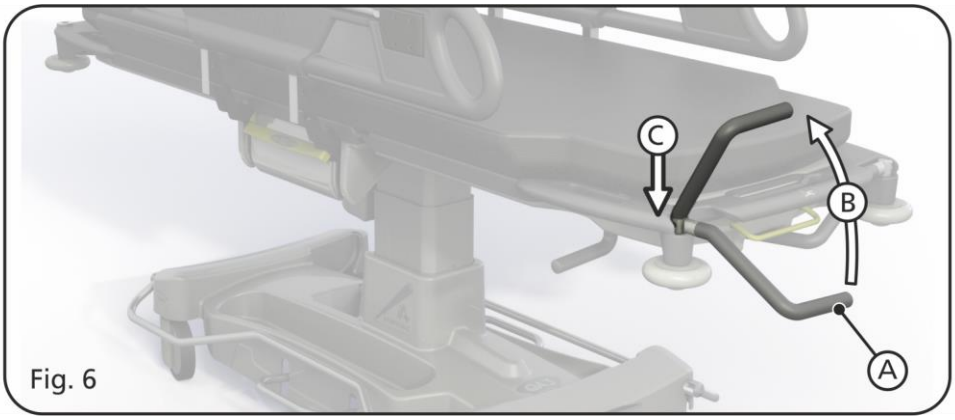


Fig. 6

As illustrated in Fig.6 each pushing handle is swivelled out (A), up (B), and then allowed to drop down into the mounting socket ready for use (C). The handles should be folded away when not in use.

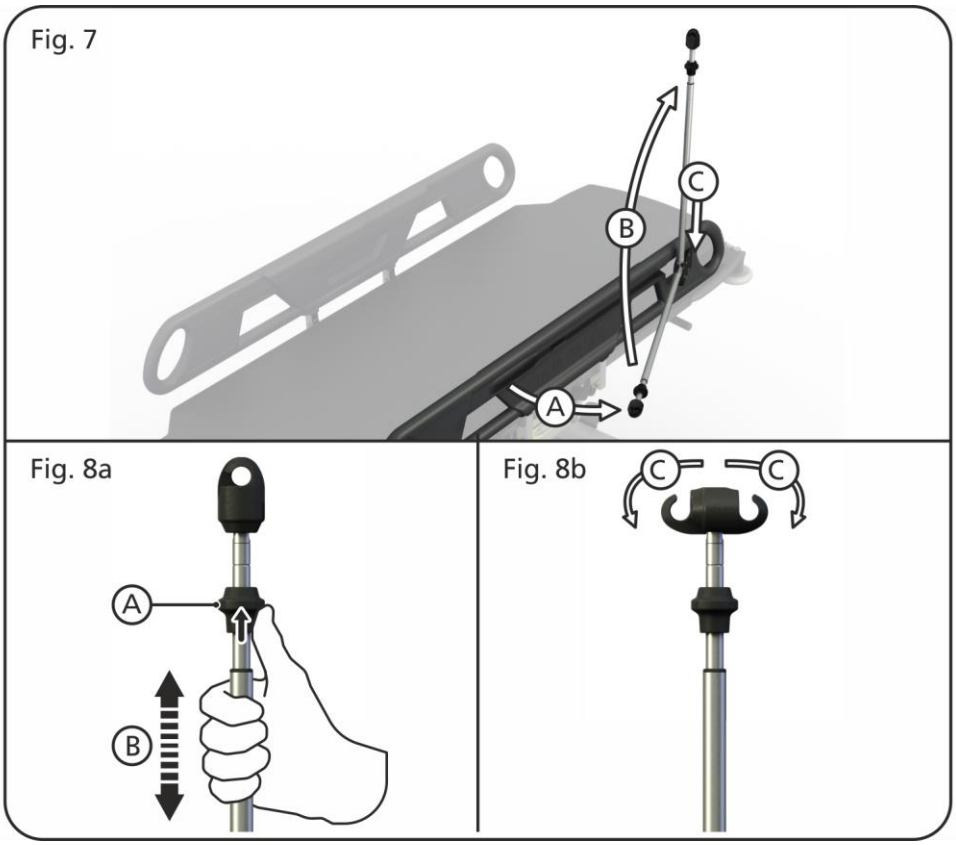
⚠ **CAUTION:** When the backrest is raised, the fold-away pushing handles can come in close proximity to the patient's head and care should be taken.

15. Using the Transfusion Pole

The Patient Trolley is supplied with one fixed transfusion pole fitted into the patient's left hand side rail (item 8, Fig.2). The Emergency Trolley is fitted with two fixed transfusion poles, one on each side rail.

To use the transfusion pole, as illustrated in Fig.7; pull the transfusion pole away from the side rail storage position (A), articulate the transfusion pole up 90° to the vertical position (B), and allow the transfusion pole to drop down and engage into the mounting socket (C).

To adjust the height of the transfusion pole, as illustrated in Fig.8a; grasp the locking mechanism (A) and using your thumb, lift the mechanism to release the lock and move the pole up or down to the required height (B); release the mechanism to lock the pole in position.



⚠	**CAUTION:** When adjusting the height of the pole use two hands; one to adjust the height of the inner pole and hooks, and the other to hold the outer pole to ensure that it remains fully engaged in the mounting socket.

The transfusion pole is fitted with two spring-loaded hooks that are designed to return to their original upright position when not in use. Swivel one or both hooks outwards (C) to hang the IV bags, as illustrated in Fig.8b.

NOTE:	The maximum weight limit per IV hook is 3kg (6.6lbs) or 3 litres (101.4 fl oz.), and the recommended safe working load for the IV pole is 6kg (13.2lbs). Syringe drivers (and similar devices) can be mounted to the IV pole if the following **CAUTION** is observed.
⚠	**CAUTION:** Syringe drivers (and similar devices) can be mounted to the IV pole if extreme care is taken when lowering or lifting the side rail with additional weight attached.

⚠	**CAUTION:** When folding the transfusion pole away ensure that it is fully retracted and returned to its storage position within the side rail; failure to do this may cause the pole to get caught on obstructions when pushing the trolley.
⚠	**CAUTION:** Using the transfusion pole to either push or pull the trolley may cause permanent damage to the transfusion pole and the side rail.
⚠	**CAUTION:** If the side rail mounted IV pole is in use when either raising or lowering the side rail it is important to check the infusion flow rate as the height of the infusion above the patient will change by approximately 300mm (11.8”).

16. Additional Features of an Emergency Trolley

The QA3 v3.0 Emergency Trolley is specially designed to accommodate the needs of accident and emergency departments and includes: a raised x-ray radiolucent platform (item 16, Fig.3) suitable for analogue and digital direct radiography and computed radiography, an additional fixed transfusion pole fitted into the patient’s right hand side rail (item 14, Fig.3) and a suction system mounting ‘V’ bracket (item 15, Fig.3).

To improve access for cleaning beneath the x-ray platform both the backrest and leg sections can be articulated upwards for easy access to the patient platform surface.

NOTES:	The following options are available: x-ray tray (catalogue no. 21195), x-ray guide strips (catalogue no. 21196).
	All known original equipment manufacturers mobile imaging generators, and floor or ceiling mounted fixed imaging generators (which offer horizontal and vertical tracking), including U-armed, are compatible.
	The maximum detector, or cassette, dimension that can be accommodated is W520mm x L610mm x H48mm (W20.5” x L24.0” x H1.9”); this includes any carrier or protective case.

Analogue and digital direct detectors are loaded beneath the x-ray platform and between the supporting posts; see Fig 9. for the relevant dimensions. Alternatively, the detectors can be loaded on the optional x-ray tray, and then positioned anywhere below the platform.

⚠	**CAUTION:** Do not raise the backrest with the x-ray tray, x-ray cassette or digital plate across the backrest hinge as damage may occur.

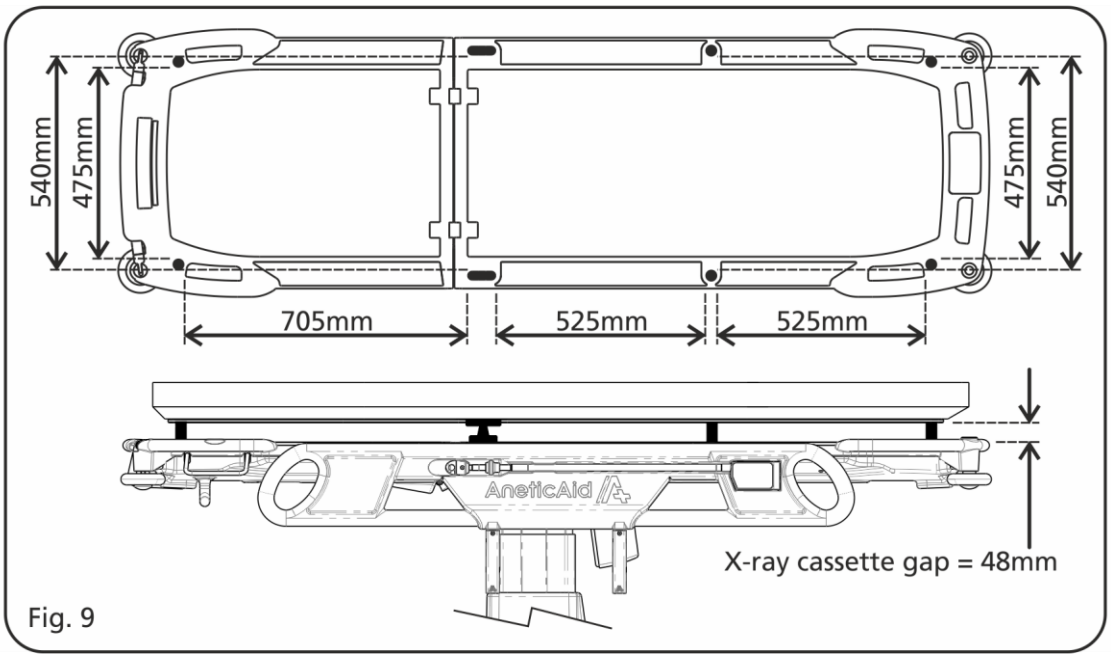


Fig. 9

17. Introduction to *DRIVE* Assist

This section of the document explains what ***DRIVE*** assist means, and how to use it.

The trolley incorporates a motorised 5th wheel, the '***DRIVE*** wheel'. The assistance the ***DRIVE*** wheel provides is to help reduce the pushing and pulling forces required to start and stop the trolley, and the force required in motion; it is therefore referred to as '***DRIVE*** assist'.

The pushing handles are attached to sensors that detect the push/pull action on them, and are termed '***DRIVE*** handles'. ***DRIVE*** assist is automatically activated by placing both hands on the ***DRIVE*** handles, and pushing or pulling the handles forwards or backwards to apply a modest amount of start-up motion to the trolley; see Section 20, 'Using ***DRIVE*** Assist' for a more detailed explanation.

On page 32, the 'Quick Start Guide for Using DRIVE Assist', is intended to help you use ***DRIVE*** assist in a few simple steps. However, it is advisable that these instructions are read in their entirety before using the equipment.

WARNING: Do not use a trolley bed push, or other mechanical means for propulsion of the trolley, on a trolley fitted with ***DRIVE*** assist.

The ***DRIVE*** feature is available on the following trolleys; ***DRIVE*** Patient Trolley (21112), ***DRIVE*** Emergency Trolley (21122), ***DRIVE*** Powered Patient Trolley (21114) and ***DRIVE*** Powered Emergency Trolley (21124).

Fig. 10

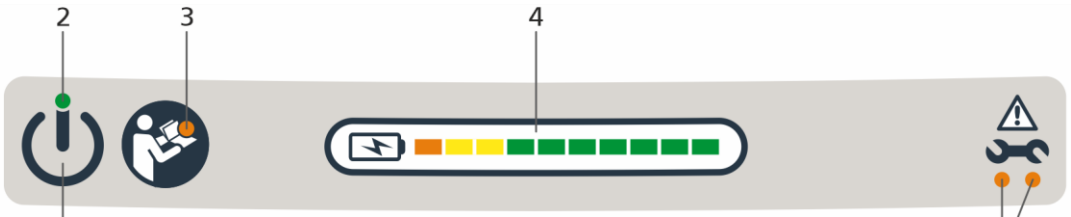


Fig. 11

Key to Fig.10 – User Interface (head end), used on the following products; ***DRIVE*** Patient Trolley (21112), ***DRIVE*** Emergency Trolley (21122)	
1.	ON/OFF Button
2.	System Status Indicator
3.	Read Instructions Indicator
4.	Battery Charge Level Indicator
5.	Service Indicators
Key to Fig.11 – User Interface (head end), used on the following products; Powered Patient Trolley (21116), Powered Emergency Trolley (21126), ***DRIVE*** Powered Patient Trolley (21114), ***DRIVE*** Powered Emergency Trolley (21124)	
6.	CPR Position Button (see Section 32)

18. Switching On *DRIVE* Assist

The trolley is switched on by depressing the ON/OFF Button (item 1, Fig.10); at start up a short beep sounds.

NOTE: Before switching on ***DRIVE***, ensure the ***DRIVE*** handles are free from external forces, and nothing is hanging from, wrapped around, or clamped on to, the ***DRIVE*** handles, as this will prevent successful calibration.

19. *DRIVE* Assist Handle Calibration

When the trolley is switched on, the system status indicator (item 2, Fig.10) will flash for 1-3 seconds indicating that the ***DRIVE*** handles are calibrating. The indicator will turn solid green when calibration is successful and another short beep will sound; the ***DRIVE*** handles are now active. If the system status indicator continues to flash, calibration has not been successful.

CHECK: If the backrest is below 35°, the fold-away handles must be deployed in an upright position ready for pushing for calibration to be successful; see Section 14, 'Using the Fold-away Handles'. If the handles are folded away, then calibration will not be possible, and the system status indicator will continue to flash. The fold-away handles may be stored if the backrest is above 35°, as this will not affect calibration for the fixed handles.

NOTE:	Do not place hands on the ***DRIVE*** handles immediately after switching on the system. It is important the ***DRIVE*** handles are not touched during calibration, as this will delay, or prevent, successful calibration.

20. Using *DRIVE* Assist

After successful calibration, ***DRIVE*** is now active. If the backrest angle is below 35°, the fold-away push handles will be active. If the backrest angle is above 35°, the fixed push handles will be active. As the backrest is articulated through 35° the ***DRIVE*** handles will automatically switch from active to non-active, and vice-versa.

Firstly, make sure the ***DRIVE*** wheel is engaged.

- **Driving:** Push positively on the ***DRIVE*** handles and the trolley will begin to move forwards. Push harder and the trolley will move more quickly. Pull back on the ***DRIVE*** handles to slow, stop, or reverse, the trolley. The trolley is restricted to a maximum speed of 6km/hr.
- **Driving up a slope:** Push the ***DRIVE*** handles fully forward, and walk at the pace of the trolley. Pushing harder will result in unnecessary physical exertion, and the speed of travel will not be increased.
- **Driving down a slope:** As you approach a downhill slope, pull back gently on the ***DRIVE*** handles to decrease the trolley speed. As you walk down the slope, continue to pull back gently on the ***DRIVE*** handles to descend the slope under control.

A full battery provides more than 20km (12.4 miles) of ***DRIVE*** assistance. Note; this figure is a guide only, and will vary depending upon a number of conditions, i.e.; patient weights, the number and severity of inclines, battery age, etc.

NOTES:	If you attempt to ***DRIVE*** using the non-active handles, the 'READ INSTRUCTIONS' indicator will flash amber and a beep will sound (item 3, see Fig.10).
	The trolley will not ***DRIVE*** if the brakes are engaged, and the 'READ INSTRUCTIONS' indicator will flash amber and a beep will sound.
	The trolley will not ***DRIVE*** if the mains charging lead is still connected.
	The trolley will not ***DRIVE*** if the wheel is not engaged, see Section 10. 'Using the Steering Pedal'.
⚠	**CAUTION:** The maximum slope angle for ***DRIVE*** assist is 6°; exceeding this angle could result in damage to the trolley or the fabric of the building.
⚠	**CAUTION:** Ensure the mains charging lead is disconnected before attempting to move the trolley; failure to do so could result in damage to the trolley or the fabric of the building.

⚠	**WARNING:** Do not stow the fold-away handles when driving, or whilst ***DRIVE*** assist is active. Ensure the brakes are engaged before stowing the fold-away handles.
⚠	**WARNING:** When leaving a patient unattended, always switch off the ***DRIVE*** assist function and apply the brakes.

21. *DRIVE* Assist Handle Deactivation & Automatic System Switch Off

If the ***DRIVE*** handles are not used for 3 minutes, they will deactivate; this is a safety feature and is indicated by 3 rapid pulses of the system status indicator. The ***DRIVE*** handles are reactivated by a short press on the ON/OFF Button; the system status indicator will return to solid green. After 30 minutes of inactivity, the system will switch off; a system restart is required to continue driving.

22. Battery Charge Level Indication, Battery Charging & Maintenance

The battery charge level is shown by the BATTERY LEVEL indicator (item 4, Fig.10). There are 10 indicators, each block represents 10% of the 100% total charge.

NOTE:	Battery charge level indication is only displayed when the system is on.

To charge the battery, plug the mains lead into the charging socket on the trolley (item 19, Fig.4) and a mains wall outlet. It takes approximately 5 seconds for the system to recognise that the charger is active and commence charging. Charging is shown by the indicators illuminating in sequence, one-by-one, from the current charge level to the 10th indicator. When the battery is full, the 10th indicator will blink at double speed.

A new battery will take approximately 5hrs to fully charge from flat; this equates to 30 minutes per 10% of the full charge. It is recommended that the trolley is placed on charge when not in use. It is perfectly acceptable to partially charge the battery for short term use.

Even when the system is not in use, the battery drains slowly; a fully depleted battery can be permanently damaged. Such damage is excluded from product warranty. Therefore, it is strongly advised to fully charge the battery at least every 3 months. Damage to the battery due to the battery not being charged for long periods is monitored by the system software and is excluded from product warranty.

NOTES:	The charging figures quoted are dependent upon the age and condition of the battery, and are guidelines only.
	DRIVE assist is deactivated when the trolley is charging.
⚠	**CAUTION:** Ensure the mains charging lead is disconnected before attempting to raise the backrest, or move the trolley; failure to do so could result in damage to the trolley or the fabric of the building.
⚠	**CAUTION:** Fully charge the battery at least every 3 months to avoid fully depleting the battery, and causing permanent damage to the battery. Such damage is excluded from product warranty.

23. Using *DRIVE* Assist with no Battery Power

The trolley can still be manoeuvred and steered when there is no battery power, as the ***DRIVE*** wheel will free-wheel. However, there will be no ***DRIVE*** assistance or ***DRIVE*** wheel braking.

24. *DRIVE* Assist Wheel Braking

The ***DRIVE*** wheel brake will engage under the following conditions;

- When the trolley is brought to a stop, the ***DRIVE*** wheel brake will remain active for 2 seconds; this is a safety feature to prevent 'unintended movement'. If the trolley is pushed or pulled not using the ***DRIVE*** handles, i.e. using the side rails, or patient deck grab handles, then the ***DRIVE*** wheel brake will activate. After 2 seconds of

standstill, the wheel brake will disengage to allow the trolley to be manoeuvred without using the ***DRIVE*** handles.

- If you release the trolley on flat ground, the ***DRIVE*** wheel brake will slow the trolley to a stop within a few metres.
- If you release the trolley down a slope, the ***DRIVE*** wheel brake will engage and slow the trolley, and then the brake will release. The trolley will gather speed, and the ***DRIVE*** wheel brake will re-engage. This is a safety feature, and not to be used as a method of controlling descent down a slope.

WARNING: Do not release the trolley down a slope and rely on the ***DRIVE*** wheel brake to control the trolley descent.

25. Introduction to Powered Functions

This section of the document gives a description of product functions that are electrically Powered and button operated, and how to operate them. Powered features are available on the following trolleys; Powered Patient Trolley (21116), Powered Emergency Trolley (21126), ***DRIVE*** Powered Patient Trolley (21114) and ***DRIVE*** Powered Emergency Trolley (21124).

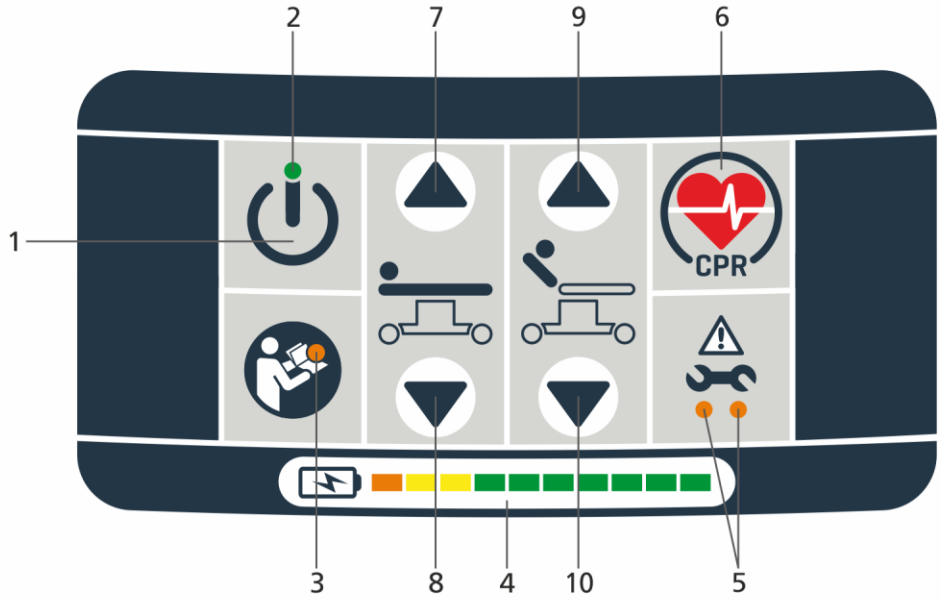


Fig. 12

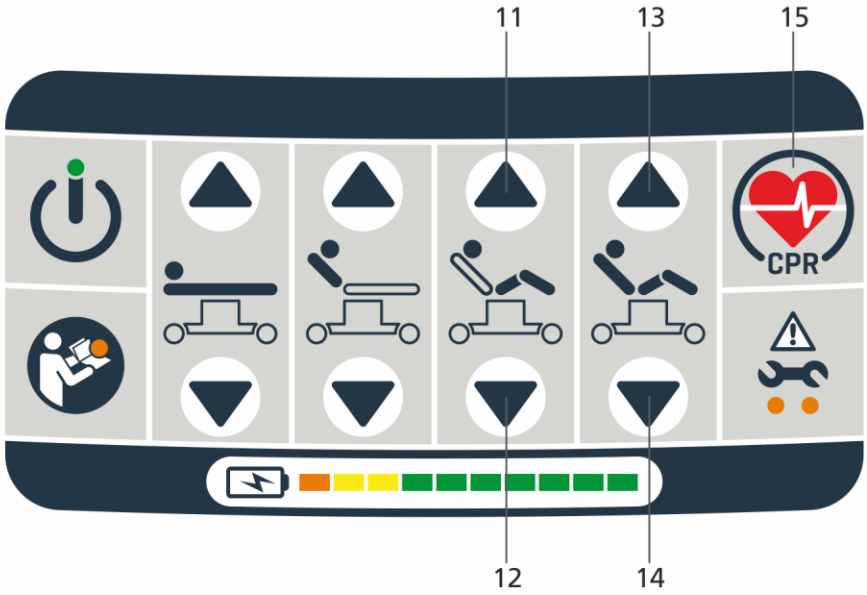


Fig. 13

Key to Fig.12 - User Interface (foot end), used on the following products; Powered Emergency Trolley (21126), ***DRIVE*** Powered Emergency Trolley (21124)	
1.	ON/OFF Button
2.	System Status Indicator
3.	Read Instructions Indicator
4.	Battery Charge Level Indicator
5.	Service Indicators
6.	CPR Position Button (lower patient platform and backrest simultaneously)
7 & 8.	Raise Patient Platform / Lower Patient Platform
9 & 10.	Raise Backrest / Lower Backrest

Key to Fig.13 - User Interface (foot end), used on the following products; Powered Patient Trolley (21116), ***DRIVE*** Powered Patient Trolley (21114)	
11 & 12.	Raise KneeFlex / Lower KneeFlex
13 & 14.	Raise Backrest and KneeFlex simultaneously / Lower Backrest and KneeFlex simultaneously
15.	CPR Position Button (lower patient platform, backrest and KneeFlex simultaneously)

26. Switching On Powered Functions

The trolley is switched on by depressing the ON/OFF Button (item 1, Fig.12).

27. Using Powered Functions

When using any of the powered function positioning buttons, the button must be pressed and held for the function to continue to move; when the button is released, the function will stop. The following **WARNING** is applicable to all powered functions;

WARNING: Ensure there is nothing to impede the raising or lowering of the patient platform, backrest, or KneeFlex as this could result in damage to the equipment and/or injury to the patient.

28. Using the Powered Height Adjustment

The height of the patient platform is adjusted by depressing, and holding, either the raise or lower button (items 7 & 8, Fig.12).

WARNING: When leaving patients unattended the trolley should be fully lowered to minimise any risk of injury should the patient fall off the trolley.

29. Using the Powered Backrest Adjustment & Manual Over-ride Release Lever

The angle of the backrest is raised and lowered by depressing either the up or down button (items 9 & 10, Fig.12).

The backrest can be lowered quickly, in an emergency, by using the manual over-ride release lever (item 1, Fig.2). The manual over-ride release lever can also be used to manually adjust the backrest angle.

CAUTION: When the backrest is raised the fold-away pushing handles can come in close proximity to the patient's head and care should be taken.

30. Using the Powered KneeFlex Adjustment

The KneeFlex is raised and lowered by depressing either the up or down button (items 11 & 12, Fig.13).

31. Using the Combined Powered Backrest and KneeFlex Adjustment

The backrest and KneeFlex can be simultaneously raised or lowered by depressing either the up or down button (items 13 & 14, Fig.13).

32. Using the CPR Position Button

The CPR position button is used to simultaneously lower the patient platform, the backrest, and, depending on the trolley model, the KneeFlex function; all functions will return to their lowest position.

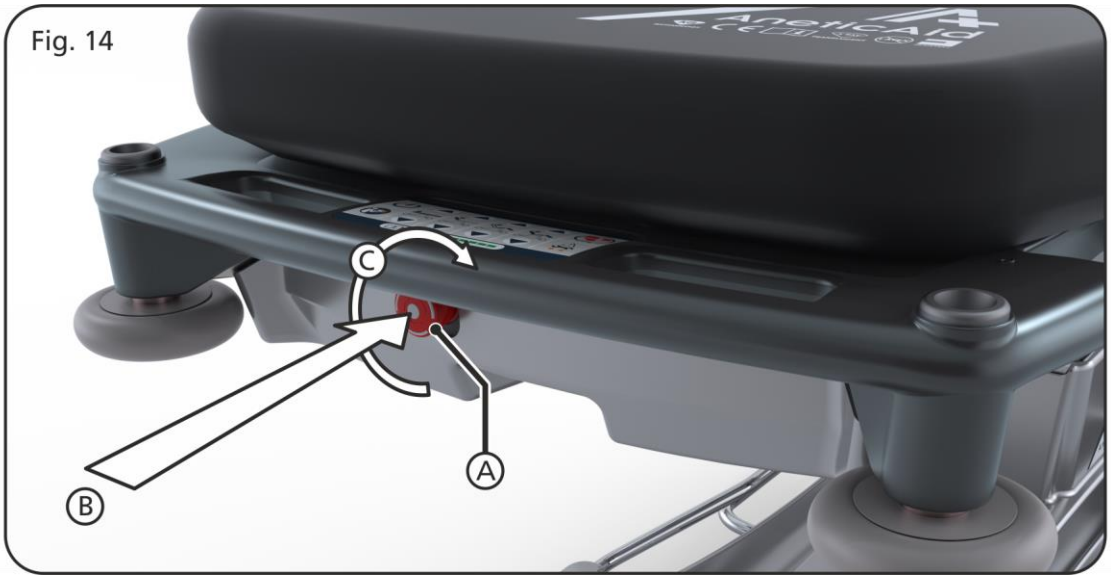
33. Using the Emergency Stop Button

The emergency stop button is located at the foot end of the trolley beneath the user interface, see (A) in Fig.14. The emergency stop button is used to deactivate all of the powered functions in the unlikely event of a powered function auto-actuating.

The emergency stop button is activated by depressing the button (B). When activated, the button remains depressed, and all of the LED's on both user interfaces will flash. None of the powered functions will now operate.

To release the emergency stop button, two actions are required. Firstly, the button is rotated clockwise to release it (C), and secondly, the ON/OFF button on the user interface must be pressed.

Fig. 14



34. X-ray Cassette Detection Sensor

See Section 16. 'Additional Features of Emergency Trolley'.

Powered Emergency trolleys are fitted with a sensor to detect if there is an x-ray cassette, or digital plate, positioned across the backrest hinge. If an x-ray cassette or digital plate is detected, the sensor will disable the powered backrest from raising or lowering, the 'READ INSTRUCTIONS' indicator will flash amber and a beep will sound.

CAUTION: Do not raise the backrest with the x-ray tray, x-ray cassette or digital plate across the backrest hinge as damage may occur.

35. Battery Charge Level Indication, Battery Charging & Maintenance

See Section 22. 'Battery Charge Level Indication, Battery Charging & Maintenance'.

36. Patient Weight Limit

The trolley is designed to accommodate a maximum patient weight of 320kg (705.5lbs) and has a safe working load of 320kg (705.5lbs).

NOTE: The safe working load is the sum of the maximum patient weight, the weight of any accessories attached to the trolley and the weight of the items on or attached to those accessories. Therefore, if using accessories, the weight of those accessories must be subtracted from 320kg (705.5lbs) to establish the maximum patient weight that can be put onto the trolley.

CAUTION – Special Precautions for Handling Heavy Patients:

- Heavy patients must mount the trolley at the centre of the platform and their weight must be kept as evenly distributed as possible.
- Patients must not sit at either end of the trolley as this may result in tipping.
- Once the patient has mounted the trolley the trolley should be manoeuvred as little as possible; take care to avoid uneven floors, door thresholds and lift thresholds.
- Extreme care should be taken when attempting to raise or lower the backrest and assistance should be sought to take the weight of the backrest when released.
- Extreme care should be taken when tilting the platform head down and assistance should be sought to take the weight of the platform when released.

WARNING: Exceeding the maximum specified patient weight limit could result in failure of the trolley and injury to the patient and/or user.

37. K8 Pressure Care Mattress

The mattress is fixed to the patient platform with touch fasteners; this enables the mattress to be removed from the trolley for cleaning and replacement. The mattress cover is fitted with a zip so the mattress foam can be visually inspected.

The standard trolley is fitted with a mattress that is 700mm (27.6") wide. The <800> build option trolley is fitted with a mattress that is 800mm (31.5") wide. It is important to observe if the trolley carries the <800> label (see Section 41. Label Identification) to identify that an 800mm wide mattress must be fitted.

WARNING: Incompatible mattresses can create hazards; only replace the mattress with a new mattress supplied by Anetic Aid, or your authorised dealer, to ensure compatibility in accordance with BS EN 60601-2-52:2010.

K8 Pressure Care Mattress Specification	
Basics	Latex free and x-ray translucent.
Foam Base Layer	Polyether polyurethane foam, density 48 to 52kg/m², nominal hardness 210N – 250N.
Foam Top Layer	Viscoelastic temperature sensitive foam, density 58 to 62kg/m², nominal hardness 70N – 100N.
Fabric Cover	Polyurethane coated nylon/polyamide/polyester which is; breathable, anti-microbial, chlorine resistant (<1%, 10,000 ppm) and waterproof (to 2000mm).
Touch Fastener	Polyamide with high strength adhesive.
Fabric Cover Seams	High frequency welded seams which are fully sealed and high strength.
Fire Safety	Compliant to Fire Crib Test 5 BS7177.
Life Expectancy	The mattress life expectancy is 4 years. Dependent upon the level of care and maintenance the pressure care properties of this mattress may reduce once the life expectancy has been exceeded.
Warranty	The mattress is guaranteed against defects found in material or workmanship for a period of 12 months from the date of invoice.

Judith Waterlow Score	The mattress is rated as medium to high risk and suitable for the majority of patients up to 23 hours. It is important to remain aware of individual patient needs, and standard nursing practices must always apply for patients immobile or at high risk of pressure sores.

NOTES:	When fitting a new mattress to the trolley the touch fastener on the patient platform must also be replaced.
	The mattress parts should be visually inspected for damage on a daily basis. If the outer mattress fabric is torn, then fluids may penetrate and the mattress should be replaced. Do not attempt to repair tears or splits with self-adhesive tapes.
⚠	**CAUTION:** Ensure that the mattress is correctly orientated on the patient platform with the touch fastener of the mattress aligning with the touch fastener on the patient platform.
⚠	**CAUTION:** Ensure that the mattress is centrally positioned across the width of the patient platform otherwise it may prevent the side rail from locking when raised.

38. Cleaning and Disinfecting the Trolley

It is recommended that only CE marked cleaning products are used in the cleaning of the trolley and the mattress. Cleaning and Disinfection should be carried out by hand only.

Clean the trolley and mattress with warm water and neutral detergent and dry the surfaces thoroughly using a soft cloth. Suitable disinfectants are: quaternary ammonium compounds, isopropyl alcohol & chlorine bleach up to 1% (10,000 ppm). Apply disinfectant by cloth, spray or disinfectant wipe. Following disinfection, wash off all surfaces with clean warm water and dry thoroughly using a soft cloth. Clean all touch fastener attachments periodically with a soft brush, neutral detergent and suitable disinfectant as listed. The product will be adversely affected and its life expectancy reduced if the above cautions are not observed.

⚠ **CAUTION:**

- Do not steam clean or jet wash this device.
- Do not soak or immerse this device.
- Do not use concentrated bleaching disinfectant solutions, organic solvent or abrasive powders in the cleaning or disinfection of this product.
- Dilute all disinfectants in accordance with the manufacturer's guidelines.
- Disinfectant products are corrosive in nature; failure to properly wash and dry the product surface could leave a corrosive residue which may cause damage to the product.
- Ensure the mattress is thoroughly dried before refitting.

39. Product Warranty

The product, when new, is guaranteed to be free from defects in materials and workmanship and to perform in accordance with the manufacturer's specification for a period of one year from the date of invoice from Anetic Aid or their approved distributor. Anetic Aid will repair or replace, at their discretion, any components found to be defective or at variance with the manufacturer's specification within this time at no cost to the purchaser.

AneticCare Protect your investment with a manufacturer backed service and maintenance package; contact Anetic Aid for more details.

Warranty exclusions; the warranty does not provide cover for breakage or failure due to tampering, misuse, neglect, accidents, modifications or shipping. The warranty is also void if the product is not used in accordance with the manufacturer's instructions or is

repaired during the warranty period by any persons other than Anetic Aid or its appointed agent. No other expressed or implied warranty is given.

Extended warranty; the warranty may be extended from the date of purchase, if the product is maintained by Anetic Aid or its appointed distributor, commencing at the end of the initial one year warranty period (quotations available upon request). Extended warranty limitations; the extended warranty does not cover pressure care mattresses or ancillary equipment (12 month warranty only applies).

For warranty, service and calibration, please contact Anetic Aid or their appointed distributor.

40. Product Maintenance

The life expectancy of a QA3 Patient or Emergency trolley is 10 years from date of introduction to clinical use, dependent on the level of care and maintenance. The performance of this device may reduce once the life expectancy has been reached and exceeded. It is recommended that the trolley is serviced on an annual basis in accordance with the manufacturer's service schedule.

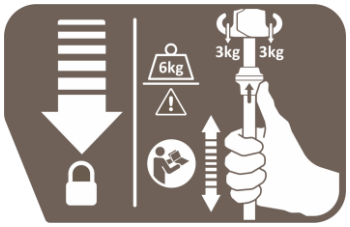
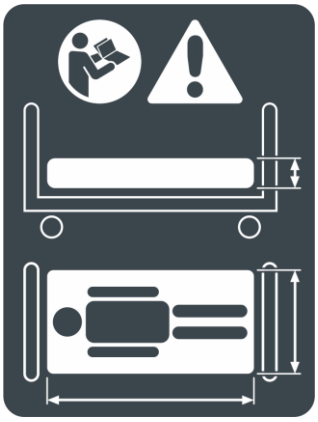
Before use, ensure all trolley functions operate to their full range of movement and that all components disengage, re-engage and lock correctly. Also visually inspect the trolley for any loose or damaged parts, foreign bodies caught in the castors and hydraulic fluid leakage.

NOTE:	If the trolley is damaged or faulty it **must** be taken out of use with immediate effect and the fault reported to Anetic Aid, your authorised dealer or maintenance department. The trolley **must not** be used until the damage or fault has been repaired.
⚠	**CAUTION:** In line with the MHRA document, Managing Medical Devices, maintenance work should only be conducted by suitably trained personnel following manufacturer's guidelines.

41. Label Identification

The following list is a description of all the labels used on the trolley;

Serial number label.	
Maximum patient weight limit is 320kg (705.5lbs), and the trolley safe working load is 320kg (705.5lbs).	

Depress the brake pedal to brake all four castors.	
Depress the steering pedal to engage the 5th wheel steering function.	
Pump the raise and lower pedal to raise the patient platform, lift the raise and lower pedal to lower the patient platform.	
Lift the side rail release lever to lower the side rail.	
Pull up on the backrest actuation lever to adjust the backrest angle.	
Pull up on the Trendelenburg actuation lever to adjust the patient platform angle.	
The IV pole must be fully inserted into the mounting socket to be locked into the vertical position. The maximum weight per hook is 3kg (6.6lbs) and the safe working load for the IV pole is 6kg (13.2lbs).	
Incompatible mattress can create a hazard.	
Label to indicate that the trolley must be fitted with an 800mm (31.5”) wide mattress.	

The screen printed Anetic Aid brand logo with multiple information symbols; 'K8 Pressure Care' technology, CE marked, refer to the instructions for use, mattress is x-ray translucent, latex free, and compliant to Fire Crib Test 5 BS7177.

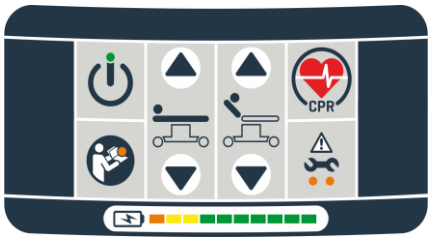
Mattress inspection record label.

Electrical information label.

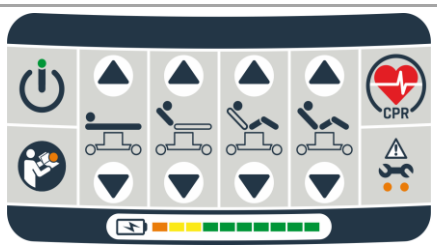
Head end user interface used on;
DRIVE Patient Trolley (21112)
DRIVE Emergency Trolley (21122)

Head end user interface used on;
Powered Patient Trolley (21116)
Powered Emergency Trolley (21126)
DRIVE Powered Patient Trolley (21114)
DRIVE Powered Emergency Trolley (21124)

Foot end user interface used on;
Powered Emergency Trolley (21126)
DRIVE Powered Emergency Trolley (21124)



Foot end user interface used on;
Powered Patient Trolley (21116)
DRIVE Powered Patient Trolley (21114)



42. Product Accessories

Code	Description
QA3 Patient Trolley System	
21110	QA3 Patient Trolley - includes K8 Pressure Care Mattress
21112	QA3 ***DRIVE*** Patient Trolley - includes K8 Pressure Care Mattress
21114	QA3 ***DRIVE*** Powered Patient Trolley - includes K8 Pressure Care Mattress
21116	QA3 Powered Patient Trolley - includes K8 Pressure Care Mattress
21120	QA3 Emergency Trolley - with Radiolucent Platform - includes K8 Pressure Care Mattress
21122	QA3 ***DRIVE*** Emergency Trolley - with Radiolucent Platform - includes K8 Pressure Care Mattress
21124	QA3 ***DRIVE*** Powered Emergency Trolley - with Radiolucent Platform - includes K8 Pressure Care Mattress
21126	QA3 Powered Emergency Trolley - with Radiolucent Platform - includes K8 Pressure Care Mattress
Build Options (factory fitted - please specify at the time of ordering)	
21130/3	Medirail - T-bar & V-bracket - QA3 v3.0 for 21140 & Serres
21130/5	Medirail - Bracket - QA3 v2.0 / v3.0 for SOS System - Backrest Handle Mounted
21130/6	Medirail - Bracket - QA3 v3.0 for Medi-Vac System
21132	200mm Castors *Factory Fitted Option
21135	Reverse Trendelenburg QA3/QA4M *Factory Fitted Option
21138	Increased Maximum Height 100mm *Factory Fitted Option
21149/2	V-bracket - QA3 v3.0 for VacSax Cannister
21152-B1	Monitor Shelf - Transfusion Poles Only *Factory Fitted Option
21155	Fixed Pushing Handles Foot End *Factory Fitted Option
21159	QA3 / QA4 - Paper Roll Holder (up to 620mm wide) - Universal
21160	QA3 Build Option - <800> - 800mm Extended Width Patient Platform *Factory Fitted Option
21161	Additional Transfusion Pole - Fixed *Factory Fitted Option
21175	Department Identification *Factory Fitted Option
21191	QA3 v3.0 Patient Storage Container Kit - Retractable Runners - includes Storage Container *Factory Fitted Option
22175-C1	QA3 Build Option - Colour ID Labelling - RED
22175-C2	QA3 Build Option - Colour ID Labelling - BLUE
22175-C3	QA3 Build Option - Colour ID Labelling - GREEN
22175-C4	QA3 Build Option - Colour ID Labelling - YELLOW
22175-C5	QA3 Build Option - Colour ID Labelling - GREY
Accessories	
21143	Suction - Injector & Probe for CD and HX Cylinder - Complete
21144	Suction - Therapy SOS Unit - without Back Bracket - Right Angled Hose Connector 6 (O^2) - Suitable for Anetic Aid QA3 v2.0 & v3.0 Trolley
21144-A1	Suction - Single Stage Medireg & Schrader Valve - Bullnose - O^2 - for F-size Cylinder
21145	Suction - Emergency Venturi System - Complete
21146	1 Litre VacSax Canister V Mounted for Suction System
21147	1 Litre VacSax Standard Bore Liners (Box of 25)
21148	Tubing C/w Connector for VacSax Canister
21152	QA3 v3 Monitor Shelf - c/w Removable Refreshment Tray
21152-A1	Refreshment Tray Only - QA3 v3.0
21153	QA3 v3.0 Emergency Trolley - Foot-end Extension with 100mm Pad
21157	QA3 v3.0 Patient Trolley - Lateral Arm Positioner with 40mm Pad
21158	QA3 v3.0 Emergency Trolley - Lateral Arm Positioner with 100mm Pad
21165	QA3 / QA4 Side Rail - Endoscopy Height Extension Demi-frame
21172	QA3 v3.0 Side Rail - Grey Covers - Pair
21173	QA3 v3.0 Side Rail - Child Print Covers - Pair

21186	QA3 v3.0 K8 Pressure Care Mattress with Waterproof Zip Cover - for Serial No. 11681 Onwards
21186-B1	QA3 v3.0 Mattress - Replacement Waterproof Zip Cover - for Serial No. 11681 Onwards
21188	Theatre Pillow with QA3 Mattress Retention Strap
21189	QA3 v3.0 Foot End Mattress Protector
21192	QA3 v3.0 - Lateral Cassette Holder
21195	QA3 - X-Ray Tray
21390	QA3 v3.0 & QA4 Trolley Systems - Push / Pull Bar - For QA3 Serial No. 16701 Onwards Only.
21395	QA3 v3.0 Patient Trolley & QA4 Surgery Trolley - Foot-end Extension with 30mm Pad

43. Using the Optional Monitor Shelf with Removable Refreshment Tray (catalogue no. 21152)

NOTE: A monitor shelf **cannot** be fitted on the trolley if optional fold-away pushing handles (catalogue no. 21155) are fitted to the foot end.

As illustrated in Fig.15, insert the monitor shelf with removable refreshment tray (A) in to the location sockets at the foot end of the trolley (B). Pivot the removable refreshment tray (C) over the frame so that it sits above the foot end of the patient platform as a monitor shelf, as shown in Fig.16. The monitor shelf has a safe working load of 25kg (55.1lbs).

⚠ **CAUTION:** Do not tilt the patient platform into a Trendelenburg position when equipment is placed on the monitor shelf as this could result in injury to the patient and/or user.

⚠ **WARNING:** Exceeding the maximum specified weight limit of 25kg (55.1lbs) could result in failure of the monitor shelf and injury to the patient and/or user.

NOTE: The maximum weight limit per IV hook is 3kg (6.6lbs) or 3 litres (101.4 fl oz.).

The monitor shelf frame can be fitted with two transfusion poles (catalogue no. 21152-B1) as a factory fitted option. The height of the transfusion pole is adjusted by releasing the thumb lock (D), lifting the pole to the desired height, and retightening the thumb lock. Each transfusion pole is fitted with two spring-loaded hooks (E) that are designed to return to their original upright position when not in use. Swivel one or both hooks outwards to hang the IV bags, as illustrated in Fig.8b.

Fig's.17&18 illustrate how the removable refreshment tray is set up and used. The refreshment tray is removed from the monitor shelf frame by depressing the yellow release button (F). When the tray has been removed both support legs (G) can be hinged open and the refreshment tray placed on to the trolley side rails, orientated so that the tall lip of the tray is furthest away from the patient; as illustrated in Fig.18.

⚠ **CAUTION:** When using the refreshment tray observe the following;

- Ensure the tray is orientated correctly; the tall lip of the tray is furthest away from the patient.
- Do not tilt the patient platform into a Trendelenburg position.
- Do not lower either of the side rails.

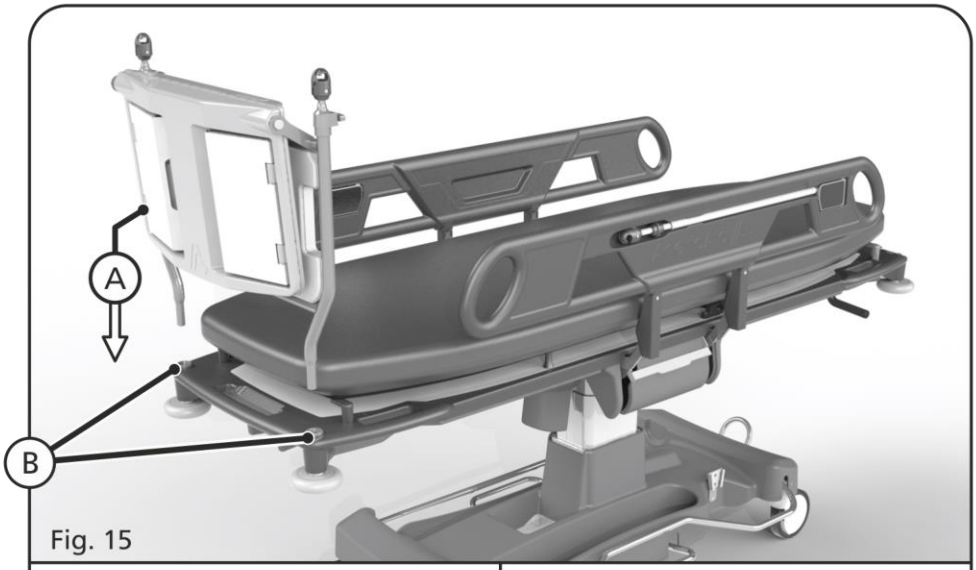


Fig. 15

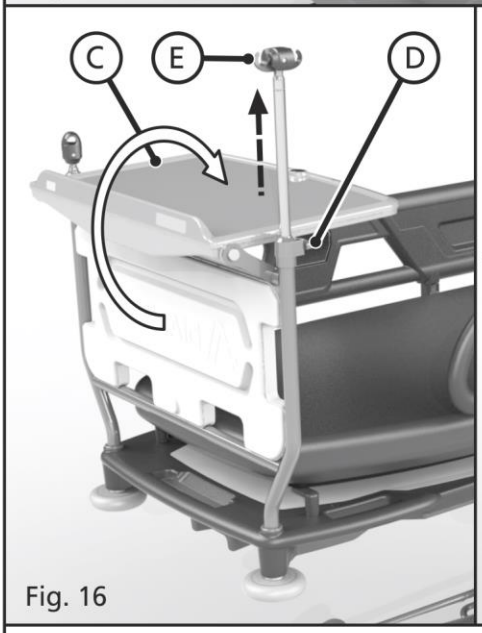


Fig. 16

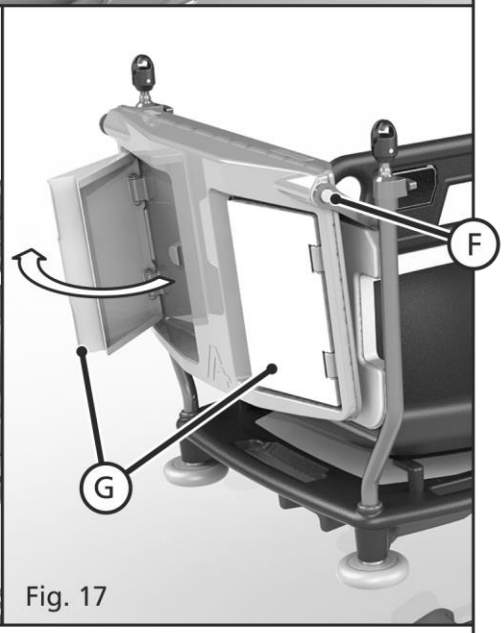


Fig. 17

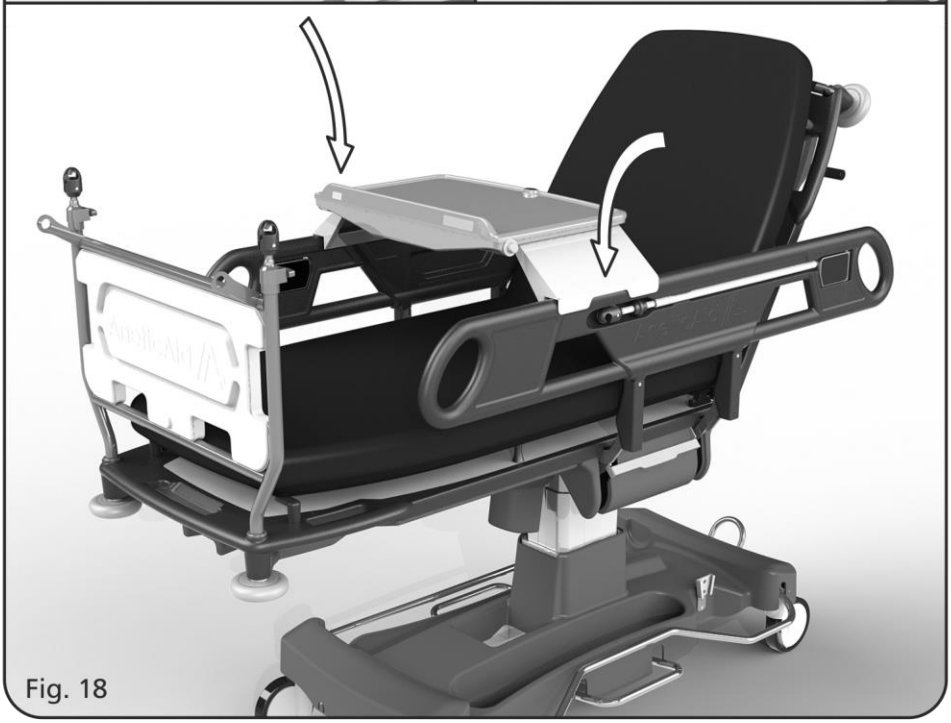


Fig. 18

44. Using an Optional Loose Transfusion Pole (catalogue no. 21161)

NOTE:	A loose transfusion pole **cannot** be used with the trolley if fold-away pushing handles are fitted to the foot end.
⚠	**CAUTION:** Using the loose transfusion pole to either push or pull the trolley may cause permanent damage to the transfusion pole.

A loose transfusion pole can be inserted into either of the location sockets at the foot end of the trolley; see Fig.15 (B). For instructions on how to use the pole see section 15, 'Using the Transfusion Pole'.

45. Using the Optional Storage Box (catalogue no. 21191)

As illustrated in Fig.19, the storage box is quickly, and simply, located onto the support arms (A). The support arms are slid out (B), and the storage box is placed on to the arms (C).

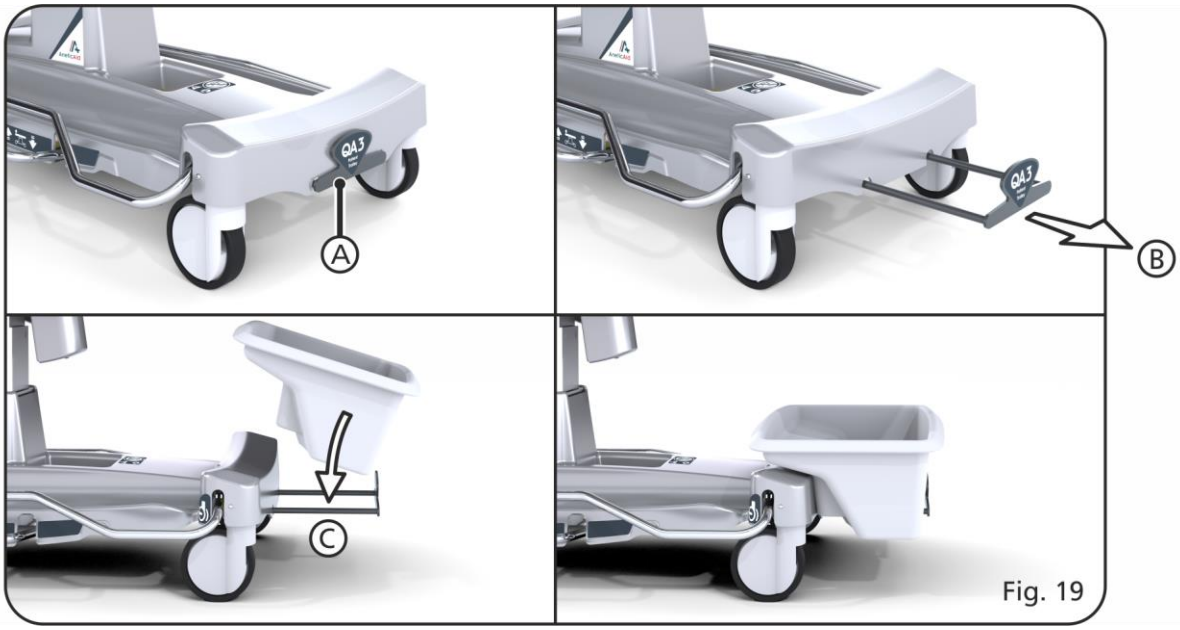


Fig. 19

46. Quick Debugging Guide for *DRIVE* Assist

In case your ***DRIVE*** assist system fails to perform as expected, follow these steps;

46.1. Check if the system is switched on; the system switches off automatically after 30 minutes of inactivity.
46.2. Check if the DRIVE handles are inactive, indicated by 3 rapid pulses of the system status indicator; the ***DRIVE*** handles automatically deactivate after 3 minutes of inactivity. Reactivate the ***DRIVE*** handles by a short press on the ON/OFF Button, the system status indicator will return to solid green.
46.3. Switch the system off and on again. Let the system restart and the DRIVE handles recalibrate; check the system operates normally.

47. Quick Debugging Guide for Powered Functions

In case your Powered functions fail to perform as expected, follow these steps;

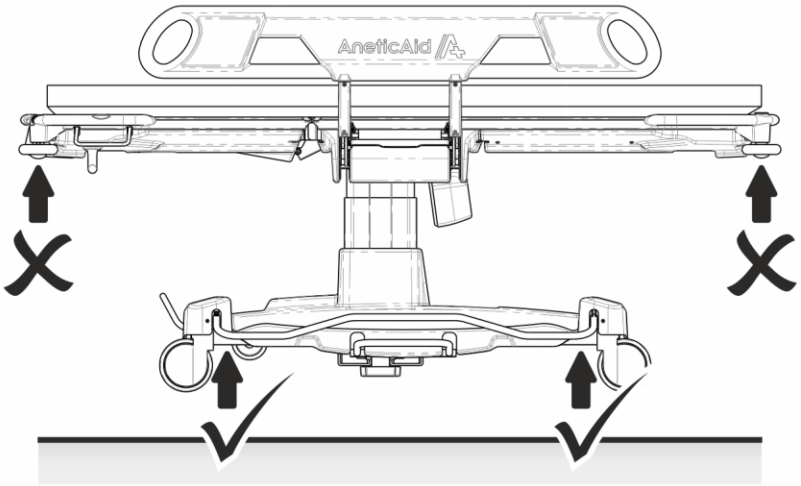
47.1. Check if the system is switched on; the system switches off automatically after 30 minutes of inactivity.
47.2. Switch the system off and on again; let the system restart and check the system operates normally.
47.3. Are all the user interface LEDs flashing? If so, the emergency stop button is depressed. Reset the emergency stop button, see section 33.

Quick Start Guide for *DRIVE* Assist

This 'quick start guide' is intended to help you use the ***DRIVE*** assist function in a few simple steps. However, it is advisable that the full Instructions for Use are read thoroughly before using the equipment.

1.		Engage the ***DRIVE*** wheel; see section 10.
2.		Press the ON/OFF Button; a short beep will sound. Do not touch the ***DRIVE*** handles immediately after pressing the ON/OFF button.
3.		The ON/OFF light will flash green for 1-3 seconds as ***DRIVE*** calibrates. The ON/OFF light will turn solid green when calibration is successful, and a short beep will sound. ***DRIVE*** is now active.
4.		Disengage the brakes; see section 9.
5.		**Driving:** Push positively on the ***DRIVE*** handles and the trolley will begin to move forwards. Push harder and the trolley will move more quickly. Pull back on the ***DRIVE*** handles to slow, stop, or reverse, the trolley.
6.		**Driving up a slope:** Push the ***DRIVE*** handles fully forward, and walk at the pace of the trolley. Pushing harder will result in unnecessary physical exertion, and the speed of travel will not be increased.
7.		**Driving down a slope:** As you approach a downhill slope, pull back gently on the ***DRIVE*** handles to decrease the trolley speed. As you walk down the slope, continue to pull back gently on the ***DRIVE*** handles to descend the slope under control.
8.		After 3 minutes of inactivity, the ***DRIVE*** handles will deactivate; this is indicated by 3 rapid pulses of the ON/OFF light. The ***DRIVE*** handles are reactivated by a short press of the ON/OFF Button. After 30 minutes of inactivity, the system will switch off.
9.		If at any stage, one or more of the amber lights come on, refer to the full 'Instructions for Use'.

QA3™
Patient Trolley



Do not lift by brake pedals or top, lift from steel base frame only.

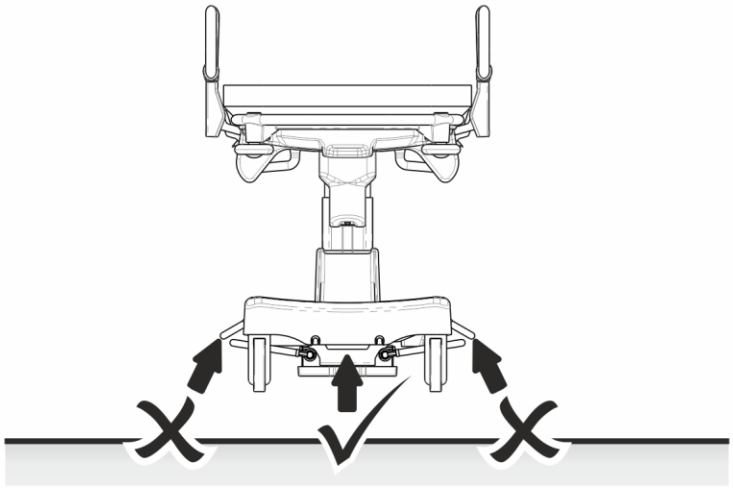
No lo levante sujetándolo por los pedales de freno ni por la parte superior, levántelo únicamente sujetándolo por la base de acero.

Fren pedallarindan veya en üst kisimdan kaldirmayiniz, yalnızca çelik taban çerçevesinden kaldırın.

Ne pas soulever avec les pedales de frein ou par le haut, ne soulever que par le cadre en acier.

Nicht an den bremspedalen oder am oberteil anheben, nur am stahlgestell anheben.

لا تحمل النقالة من مقابض الكوابح أو من الأعلى
ارفع النقالة من إطار القاعدة المعدنية فقط



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