



Easy Access | Bariatric Operation & Maintenance Manual



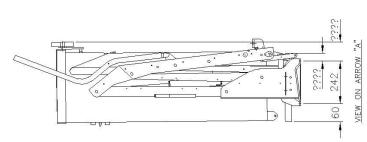
Passenger Lift Services Limited

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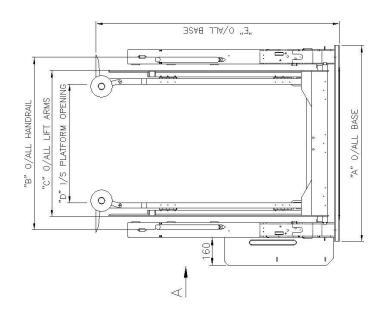
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E-mail: enquiries@pls-access.co.uk Web Site: www.passengerliftservices.co.uk

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	DIMENSIONS	# C#)	640	969	640	9	640	200
		R C	ر	096	1010	960	1010	096	4010
		2 0 8	0	1075	1115	1075	1115	1075	CYCY LYYY GEGY
		W V FF	C	1020	1070	1020	1070	1020	4000
EA	UPT SIZE	BRIDGE PLATE	WIDTH	750	800	750	800	750	000
		FORM	LENGTH	1300	1300	1480	1480	1600	1000
			PLATFORM	WIDTH	760	815	760	815	760



		EAB					
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815	1600		1265	1265 1215 1110	1110	790 1720	1720

Platform Gates "Synchronizing" Procedure for EAB & EA

Platform Gates "Synchronizing" Procedure

- 1. Lower the lift so that the platform is approximately 150mm above floor level.
- 2. Assess the tension in the Platform Knuckles.

 It is <u>CRITICAL</u> that there is <u>NO</u> tension, ie when a spanner is placed on the machined flat "B" and turned from side to side free movement MUST be seen/ felt, if not adjustments MUST be made. See no.5
- 3. Raise the lift so that the gates are open and approximately 75mm apart. See Enlarged view "A"
- 4. Look at the imaginary centre line "F" between the locking pin "D" and receiving boss "E" both parts MUST be concentric so that they will fully engage ensuring that the two halves of the platform are securely locked together. If the parts are not correct then adjustments MUST be made. See no.5
- 5. Adjustments are made by either/ or both lengthening or shortening the length of the Platform Knuckles
- 6. See Enlarged view "B", ensure that the L, item "C" is uppermost (otherwise directional adjustments will be reversed) and locking nut "A" is un-tightened.
- 7. Place an 8mm spanner onto the machined flat "B" and turn to increase or decrease the length of the Platform Knuckles as needed.
- 8. To decrease the length of the Platform Knuckles turn the machined flat "B" clockwise
- To increase the length of the Platform Knuckles turn the machined flat "B" anti-clockwise
- 10. The locking nut "A" MUST be re-tightened after any adjustment.
- 11. Repeat checks as specified in no.s 1-4

Note: It is $\underline{\text{CRITICAL}}$ that there is $\underline{\text{NO}}$ tension in the Platform Knuckles, tension may cause severe damage.

It may be necessary to adjust BOTH sides to obtain correct alignment.



October 2012

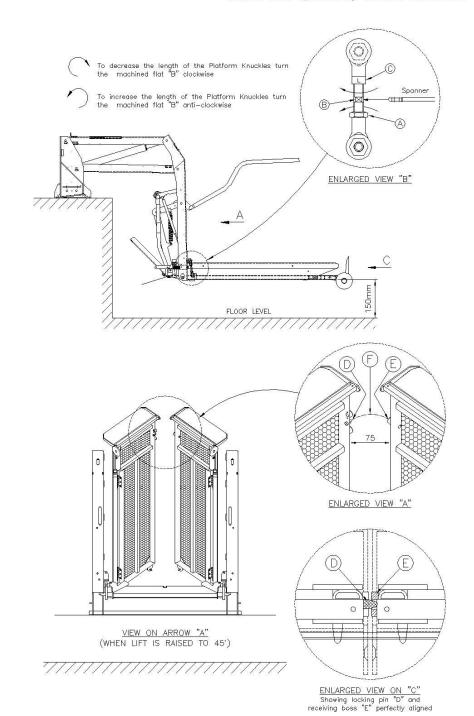
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Written and compiled by: A. Beck B.Sc CAD & Technical contributions by: P. Edwards & S. Wright

IMPORTANT

The new lift owner/operator should refer to this manual for operating instructions, future warranty and servicing work. This manual should be kept safely for the entire working lift of the lift.

When quoting the lift serial number to the manufacturers, this number can be found on the S.W.L. sticker located on the underside of the platform (near bridge plate hinge). The number is also stamped into the near-side stainless steel plate, riveted to the platform leg.



Platform frame "Horizontal" Adjustment Procedure for EAB & EA

<u>Platform Frame "Horizontal" Adjustment Procedure</u>

1. Undo locking nut "A" until adjustment screw "B" is free to move

To increase the distance "C" (platform end to ground) turn the adjustment screw "B" clockwise

To decrease the distance "C" (platform end to ground) turn the adjustment screw "B" anti-clockwise

- 2. Turn the adjustment screw "B" until the platform angle 92 is achieved.
- 3. The locking nut "A" MUST be re-tightened after any adjustment.
- 4. Lower the lift and ensure that the Roll Off Ramp Landing Roller and the Roll Off Ramp "D" are in contact with the floor.

If not repeat the above procedure until correct.

Note: If the L/H & R/H bolts are not equally adjusted/ set, the platform may have a side to side twist.

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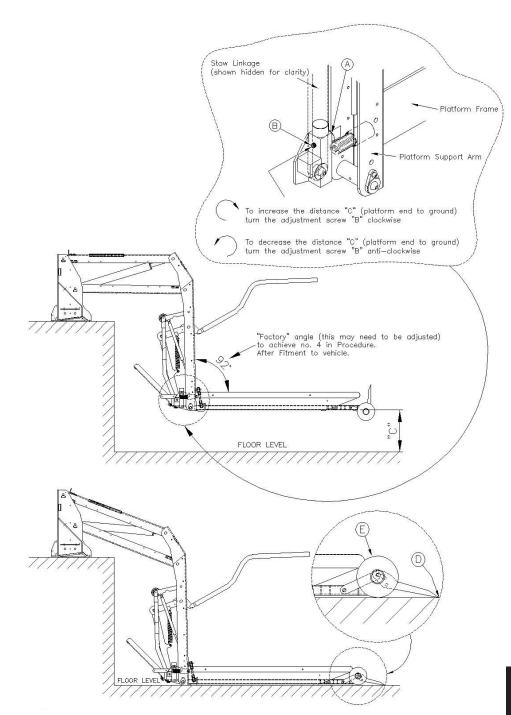
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Fitting Section

Fitting sequence

Please refer to the following pages for accompanying installation diagrams.

When positioning the lift into the vehicle:

- 1. Roll off ramp (wheels) must be clear of rear doors, minimum 15mm.
- 2. When the lift is powered "down" the bridge plate mechanism must be clear of the rear bumper or side valence.
- 3. The distance between the inside of the door aperture and the outside of the handrails should be equal both sides.
- 4. All manual override systems must be fully accessible.
- 5. The vehicle surface MUST be flat. Do not attempt to mount base plate ontop of seat tracking extruded sections. Shim base plate above tracking if necessary.

If the surface is not flat, when the lift is bolted down the base could distort to the contours of the floor. This will have the effect of altering the position of the lifting arms, thus twisting the lift.

THIS WILL AFFECT PRODUCT WARRANTY.

When bolting in the base:

- 1. PLS universal fitting plates should be used instead of washers!
- 2. At least two of the front bolts (closest to driver) should be located through the vehicles chassis.

NB. WHEN FITTING FAB A "FULL" REAR BEAM MOUNTING BRACKET SHOULD. BF USFD.

Adjusting lift:

- 1. Ensure vertical stow position is set correctly.
- 2. Ensure horizontal platform position is set correctly.
- 3. Ensure roll-off ramp end of platform lands on ground first.
- 4. Ensure platform is symmetrical (not twisted)
- 5. Ensure Platformgates are locating together correctly.
- 6. To correctly adjust the rose joints see Procedural drawings on pages 5.04 -5.05

To Finish:- Weight Test Lift to current LOLER recommendation/ regulations.

- 1. Check all fitting bolts are tightened to correct torque setting.
- 2. Check all lift fastenings are tight.
- 3. Ensure all information decals are positioned correctly.
- 4. Lift serial number and SWL are visible.
- 5. Fill in weight certificate.
- 6. Fill in LOLER certificate.

Warranty Terms & Conditions

Passenger Lift Services Limited

Warranty Cover & Period

The PLS Warranty covers parts and labour, and is effective for Hydraulic Powerpacks that are fitted to the exterior of the 36 months from the date of initial commission by PLS or a certified authorised engineer

If the date of initial commission is in excess of 90 days from date of dispatch, the warranty will start from the date of dispatch.

Procedure

To qualify for this warranty, it is necessary to register the Lift and Vehicle details on line www.passengerliftservices.co.uk or via post within 45 days of the initial LOLER inspection.

An operator requiring attention to a unit will contact PLS auoting the Lift serial number.

PLS will then instruct a company engineer, or an authorized approved Service Agent by issuing an official order number to affect the repair.

NB - ANY WORK CARRIED OUT WITHOUT PLS AUTHORIZATION WILL NOT BE REIMBURSED.

Warranty does not extend to lifts that have not been regularly serviced by a PLS engineer or factory trained and authorized engineer. This includes the 6 monthly LOLER inspection and separate weight test, which must be current at the date of the Warranty Claim.

All previous LOLER and Weight Test Certificates must have been copied to PLS and run concurrently.

The lift must be made available during the hours of 08.30 and 17.00, Monday to Friday, excluding public holidays.

No delivery costs or travel time will be reimbursed except by prior agreement and as specified on the original Purchase

The initial Warranty period applies to original parts only.

Replacement parts changed under warranty and new parts that are purchased, carry 12 months warranty only.

New parts that have been purchased and require a warranty repair will require either a copy of the original Purchase Order or details of the original Purchase Order number to qualify.

The serial number(s) of the component claiming warranty must match the serial number(s) recorded to the lift it was originally fitted to.

If a customer has an invoice unpaid beyond PLS terms and conditions or is in dispute customers lift will not be visited.

Warranty Exclusions:

vehicle only carry 12 months warranty.

Hydraulic Powerpacks fitted to the interior of the vehicle qualify for the 24 months warranty.

The following are all excluded from warranty: Consumable parts e.g. Fuses, Bulbs, Electrical Connection, Hydraulic Hoses (with the exception of manufacturing defects).

Driver misuse.

Accident damage.

Items that are subject to the level of wear and tear which would normally involve replacement during normal service. maintenance and operating conditions.

Handsets carry 12 months warranty only.

Where a lift is fitted in a floor void, with Coach built floor above it and the floor interferes with the lift cassette The cassette must always be easily fully removable for Service purposes.

No claim will be accepted for:

Replacement vehicle hire

Loss of Earnings

The Warranty Agreement does not supersede the Suppliers liability for all components as defined in the Sale of Goods

Months 24 to 36 of the Warranty:

The vehicle will be required to be returned to the PLS Factory for 'free of charge' warranty work.

When this is not possible, labour and travel will be charged at the current PLS hourly rate, whether it is a PLS engineer or an agent working on behalf of PLS Ltd that conducts the

If an agent is used, it will be at the discretion of PLS Ltd as to who will affect the repair.

Any parts sent to an agent for warranty work within the 24-36 month period, will incur the relevant courier costs at commercial rates, and will be at the expense of the customer.

Extended Warranty:

Extended Warranty is available for months 37-60 with a written agreement of PLS Ltd, initiated BEFORE month 37

This warranty will follow the same basis as the 24-36 month period.

Extended Warranty does not include Powerpacks, motors, hydraulic cylinders and hoses.









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EA Lift Technical Data

The lift is designed to transport:

One person in a wheelchair with or without an attendant, with a size not larger than the width/length of platform space available, or weight over the stated badge capacity(350Kgs unless upgraded by PLS).

Or

Two walking passengers. The operator should not attempt to transport more than twopeople at a time because of increased risk of passenger discomfort. The passengers also may require extra space for mobility devices such as walking sticks and frames.

Capacity:

Standard Lift = 350Kgs (possible upgrade to 400Kgs available by special request)

Specifications:

Lift type :Internal

Voltage:12Volts standard (24Volts available)

Power system: Electro-hydraulic pump

Hydraulic fluid type :PLS Blue (specific formulation) or ATF

Control :Pendant via wanderlead

Bridge-plate width:750mm, 800mm or 900mm internal (usable)

Platform width:760mm or 815mm internal Platform length:1300mm or 1480 to 1600mm

Weight of lift: 165Kgs

Working pressure:90-150 Bar Max amp draw at pump:45amps

Safety systems:-

Dead man button control

Platform roll-off barriers

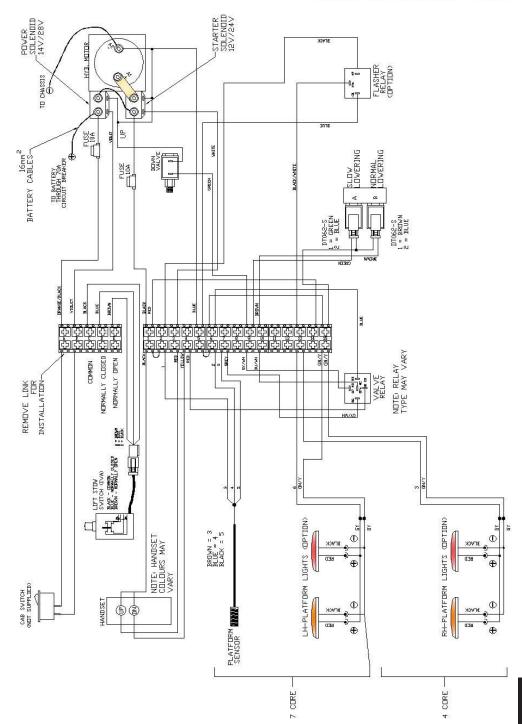
Main power isolation

Driver isolation switch

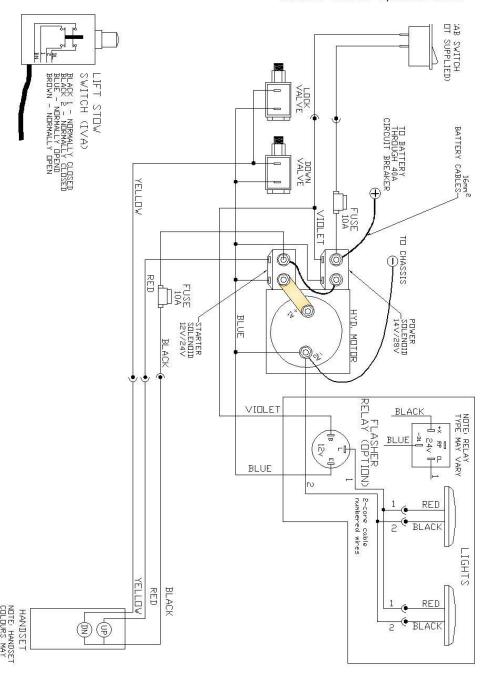
Hydraulic hoses rated x 4

Stow Warning Switch

Flashing LED side lights x 2 (optional)



'Standard' Electrical Layout for EA Lifts



EAB Lift Technical Data

The lift is designed to transport:

One person in a wheelchair (or on a stretcher) with or without an attendant, with a size not larger thanthe width/length of platform space available, or weight over the stated badge capacity (500Kgs unless upgraded by PLS).

Or

Two walking passengers. The operator should not attempt to transport more than two people at a time because of increased risk of passenger discomfort. The passengers also may require extra space for mobility devices such as walking sticks and frames.

Capacity:

Bariatric Lift = 500Kgs

Specifications:

Lift type :Internal

Voltage:12Volts standard (24Volts available)

Power system: Electro-hydraulic pump

Hydraulic fluid type :PLS Blue (specific formulation) or ATF

Control :Pendant via wander lead

Bridge-plate width: 900mm internal (usable)

Platform width: 915mm internal Platform length: 1600mm

Weight of lift: 255Kgs

Working pressure: 150-180 Bar Max amp draw at pump: 70 amps

Safety systems-

Dead man button control

Platform roll-off barriers

Main power isolation

Driver isolation switch

Hydraulic hoses rated x 4

Stow Warning Switch

Platform "Plunger Lock"

Soft Deployment System

Flashing LED side lights x 2 (optional)







SAFETY INSTRUCTIONS

IMPORTANT- FAMILIARISE YOURSELF WITH CONTROLS AND SAFETY PROCEDURES BEFORE USING LIFT.

TAIL LIFT SAFETY

Only an authorised operator must control the lift.

Secure the vehicle doors in the open position well clear of the platform.

Keep within the maximum safe working load

Keep people away from the operating area (inside and outside the vehicle).

Ensure that the platform is level.

Switch off the isolator (if fitted) before leaving the lift unattended.

VEHICLE SAFETY

Do not operate the lift on a steep hill, camber or uneven ground.

Ensure that the vehicle handbrake is firmly applied.

Ensure that the platform is properly stowed after loading.

Do not move the vehicle with the platform lowered near the ground.

Do not move the vehicle with a person / load on the platform.



PEDESTRIAN PASSENGERS ENSURE THAT:-

- Passengers keep clear of the platform edges.
- They hold onto the hand rails.
- They do not climb onto the platform.
- They do not leave the platform before it reaches the floor or ground.



WHEELCHAIR PASSENGERS ENSURE THAT:-

- Operator is behind wheelchair.
- They are stable.
- They do not overhang the platform.
- Their handbrakes are applied.
- Electric wheelchairs engage neutral.

INSIDE THE VEHICLE ENSURE THAT:-

- Wheelchairs are clamped to the floor.
- Seatbelts are used.

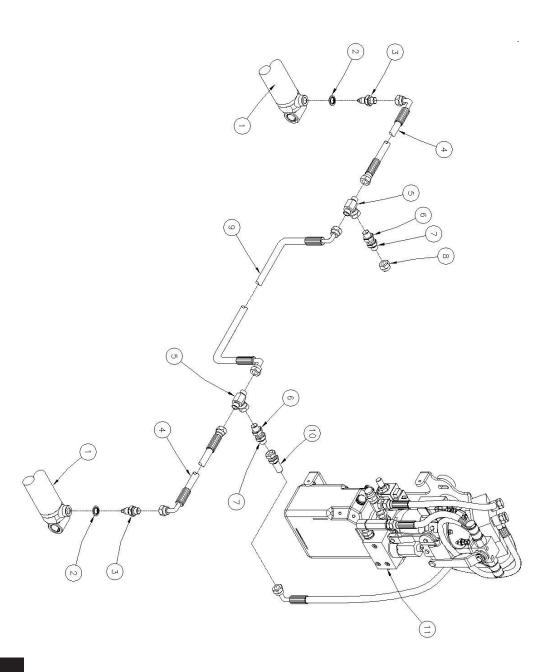
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Hydraulic Layout & fittings for EAB Lift

ITEM	DESCRIPTION / PARTS	PART NO.
1	Cylinder	(for ref only)
2	1/4 Dowty Washer	ACC25684
3	1/4 Crash Valve	ACC25569
4	Hose	EAB-H06
5	1/4 Female Branch Tee M-F-M	CON10144
6	1/4 BSP Bulkhead	CON10143
7	1/4 Lock Nut	ACC25732
8	1/4 BSP Cap	ACC25683
9	Hose	EAB-H07
10	1/4 Bulkhead M-F	CON10157
11	Oil Pump	(for ref only)



Safety Instructions for 'Scooters' and Large Powered Wheelchairs

Before operating tail lift:

Fully familiarize yourself with lift controls, relevant safety procedures and possible hazards, signified by warning labels or highlighted in your 'Operators Risk Assessment'.

Tail lift safety:

- Only an authorised (fully trained) operator must control the lift.
- Secure vehicle doors fully open, well clear of the lift platform.
- Keep within the stated maximum safe working load (SWL).
- Keep people away from the operating area (inside and outside of vehicle).
- Ensure that the platform is always level (horizontal, not more than 5°).
- NEVER leave the lift unattended at ground level if passengers are on board.
- When lift is not in use the controls should be deactivated.
- Ensure that the lift is correctly stowed after loading.

Operators ensure that:

- Lift will lower to firm, level ground.
- Scooter or powered wheelchair is not larger than lift platform in any direction.
- Tail lift is in a FULLY operational condition. Report any defects.
- Lift bridging-plate lands flat onto vehicle floor.
- Roll-off ramp is set vertically (approx. 80°), and fully operational.
- Accompany the passenger on the lift if possible, but do not overload the lift.
- You have a clear view of the lift platform before the scooter moves onto it.
- NEVER leave passengers unattended at any time.
- The passenger should not be required to operate ANY controls.

Loading & Unloading procedure:

- Explain to passenger the sequence of movements that will occur.
- Where possible passenger should dismount scooter and board vehicle separately.
- Ensure that the lift platform and area around the lift are free from obstruction.
- Ensure that the lift platform is in the correct position before moving onto it.
- Scooter should be pushed onto the lift platform, NOT DRIVEN.
- Ensure that persons or equipment do not overhang the platform.
- Scooter breaks are applied BEFORE lift begins motion (or wheels blocked).
- All power to scooter is turned OFF.
- Operate lift platform to vehicle floor.
- Scooter is pushed off the lift platform, NOT DRIVEN.
- The scooter should be clamped to the vehicle floor using the correct equipment.
- The passenger utilises the static vehicle seats and seatbelts.

Please note: The transportation of scooters and large powered wheelchairs may require a 'NON STANDARD' tail lift size or specification. Where possible PLS can provide longer, wider platforms, higher roll-off ramps to help combat the increased hazards related to larger passenger vehicle transportation.

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'EASY ACCESS' LIFTOPERATING INSTRUCTIONS

These instructions MUST be read and understood before attempting to operate the lift

Note: To control the lift, the system utilises the two button pendant control handset.

To DEPLOY and use the lift:

- 1) Turn ON the cab isolation switch (if fitted).
- 2) Open the vehicle doors. The lift power-pack is now LIVE.
- 3) Power the lift **DOWN** to the ground (using pendant control).
- 4) The lift is **FULLY LOWERED** when the roll-off ramp automatically deploys to ground level.
- 5) Load the lift with the wheelchair passenger. Make sure there will be clearance for the passengers feet, when the bridging plate raises to the vertical position!
- Power the lift up to vehicle floor height.
- 7) When vehicle floor height is achieved the UP mode will automatically stop and the bridging plate will have deployed to the vehicle.

To STOW the lift:

- Make sure that the platform is clear and free from obstructions.
- 2) Power the lift platform **UP** (using pendant control).
- 3) The lift will fold into its vertical stow position and the travel will automatically stop when lift is fully stowed.
- 4) Put pendant control back into holder.
- 5) Close the vehicle doors (covering lift). The lift power-pack is now OFF.

To MANUALY OVERRIDE the lift:

- 1) Remove the plastic pump box cover for complete access!
- To lower the lift: Pull manual (silver) handle UP, towards front of vehicle. The lift will begin to lower gradually. To stop lifts decent push the handle back down to the vertical position. NOTE: Handle must be returned to the vertical position after use. Lift will not power UP with handle in the OPEN position!
- 3) To raise the lift: Remove the manual hand pump handle (located on pump box cover). Position onto the end of the manual hand pump and commence pumping! If the lift is loaded with one or more passengers it will automatically stop at vehicle floor height. If not loaded the motion will continue until fully vertically stowed.

IF IN DOUBT PLEASE PHONE THE FACTORY FOR FURTHER INSTRUCTIONS ON 0121 552 0660.

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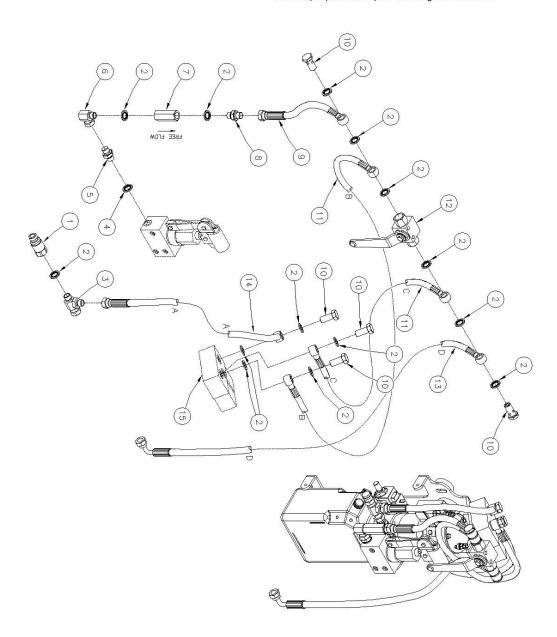
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Oil Pump Hydraulic Layout & fittings for EAB Lift

ITEM	DESCRIPTION / PARTS	PART NO.
1	1/4 FFC Probe	ACC27331
2	1/4 Dowty Washer	ACC25684
3	1/4 Female Run Tee F-M-M	ACC25628
4	1/8 Dowty Washer	CON10441
5	1/4-1/8 Adaptor M-M	GXHYDFITADT1700-02-04
6	1/4 K90° Elbow M-F	CON10145
7	Flow Control Valve	ACC226869
8	1/4 Adaptor M-M	CON10146
9	Hose	EAB-H03
10	1/4 Banjo Bolt	CON10445
11	Hose	EAB-H04
12	1/4 HP Valve	ACC26545
13	Hose	EAB-H05
14	Hose	EAB-H01
15	Lockvalve	FLA35691





EASY ACCESS 'BARIATRIC' LIFT OPERATING PROCEDURE

THESE INSTRUCTIONS MUST BE READ AND FULLY UNDERSTOOD BEFORE ATTEMPTING TO OPERATE THE LIFT TO DEPLOY THE LIFT:

- 1) Turn on the cab switch isolation switch (if fitted).
- 2) Open the rear vehicle doors and latch into the 90 degree position.
- 3) Using the handset press the DOWN button to lower lift from VERTICAL to HORIZONTAL until its stops.
- 4) Connect the safety belt across the platform. The electrics are isolated until the belt is connected!
- N.B: When transporting a stretcher the belt should travel over the TOP of the stretcher and behind wheelchairs!

TO OPERATE THE LIFT AND UNLOAD PASSENGER FROM THE VEHICLE:

- Load the lift with the wheel chair passenger. Ensure there is sufficient clearance for the passenger on the platform to miss the bridging plate which will pivot vertically.
- 2) Lock ON the wheel chair or stretcher brakes.
- Using the handset press the DOWN button to lower the lift from the horizontal floor position to the GROUND and stop when the platform 'roll-off ramps' have FULLY deployed.
- Release the safety belt.
- 5) Unlock brakes and remove the passenger from the platform.
- 6) Re-connect the safety belt.

TO OPERATE THE LIFT AND LOAD PASSENGER FROM THE GROUND:

- Operate the lift and lower it to ground level.
- 2) Release the safety belt.
- Load passenger onto the platform. Ensure there is sufficient clearance for the passenger on the platform.
- 1) Lock ON the wheelchair or stretcher brakes.
- Using the handset press the UP button to raise the lift from the ground to vehicle floor position, until its stoos.
-) Release the safety belt.
- 7) Unlock brakes and remove the passenger from the platform to the vehicle.

TO STOW THE LIFT

- 1) Operate the lift and raise it to the vehicle floor height until it stops.
- 2) Release the safety belt.
- Using the handset press the UP button to raise lift from the HORIZONTAL floor position to its VERTICAL stow position until the lift FULLY stops.
- 4) Close the vehicle doors and turn OFF the isolation switch.
- DO NOT STAND IN FRONT OF LIFT WHEN LOWERING THE LIFT FROM THE VEHICLE.
- LIFT WILL NOT RAISE UP AND DOWN WITHOUT THE BELT CONNECTED.
- LIFT WILL NOT STOW IF BELT IS CONNECTED.

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EAB & EA Service Data Sheet

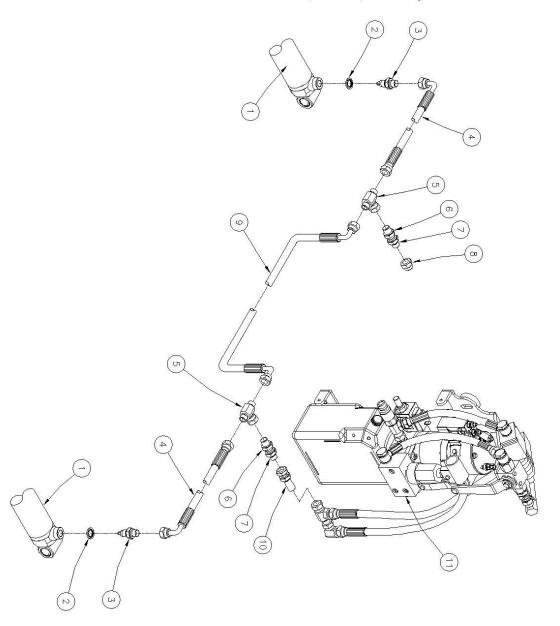
Date lift was first issued/
Lift requires monthly checks and lubrication by driver/ operator.
Refer to Maintenance manual for instructions.

Every six month service and twelve monthly weight test should be carried out by an appointed service engineer.

Service 1	Service 2	Service 3
Date/	Date/	Date/
Driver/ Operator	Driver/ Operator	Driver/ Operator
Name	Name	Name
Signature	Signature	Signature
Service 4	Service 5	Service 6
Date/	Date/	Date/
Driver/ Operator	Driver/ Operator	Driver/ Operator
Name	Name	Name
Signature	Signature	Signature
Service 7	Service 8	Service 9
Date/	Date/	Date/
Driver/ Operator	Driver/ Operator	Driver/ Operator
Name	Name	Name
Signature	Signature	Signature
Service 10	Service 11	Service 12
Date/	Date/	Date/
Driver/ Operator	Driver/ Operator	Driver/ Operator
Name	Name	Name
Signature	Signature	Signature

Hydraulic Layout & fittings for EA Lift

ITEM	DESCRIPTION / PARTS	PART NO.
1	Cylinder	(for ref only)
2	1/4 Dowty Washer	ACC25684
3	1/4 Crash Valve	ACC25569
4	Hose	EA2-H01
5	1/4 Female Branch Tee M-F-M	CON10144
6	1/4 BSP Bulkhead	CON10143
7	1/4 Lock Nut	ACC25732
8	1/4 BSP Cap	ACC25683
9	Hose	EA2-H03
10	1/4 Bulkhead M-F	CON10157
11	Oil Pump	(for ref only)



Monthly safety check for operators

egular lift maintenance is recommended at monthly intervals by the lift perator. This will include the following:

- Check for obvious signs of damage, replace parts as necessary.
- Check the operation and stowing of the lift.
- Check rear roll-off ramp operation and lubricate with silicone spray.
- Check platform alignment (pin location) adjust rose joints as necessary. ee Procedural drawings on pages 5.04 -5.05
- **OTE:** When platforms are DOWN the rose joints should not be under tension! Check lift 'vertical' stowing position. Lift should be clear of rear doors and only wer when the down button is depressed. See Procedural drawings on pages 04 -5.05
- Check platform 'horizontal' position. Each side of the lift platform can be adjusted dependently if required. See Procedural drawings on pages 5.04 -5.05
- Top up power pack reservoir when the lift platform is at ground level. Use only LS recommended fluid 'PLS BLUE'. Do not fully fill up reservoir, leave approx Dmm from top "max" (when lift is on the ground)
- When cleaning the vehicle, wash the working platform of the lift. For best results se a stiff brush and soapy water. Replace any missing 3M surface tape snecessary.
- Lubricate all required parts. Follow the lubrication drawings on pages 2.03-2.04
-). For Rose joint, Platform frame "Horizontal" adjustment and Platform gates Synchronizing" Procedure. See Procedural drawings on pages 5.04 5.05

FIN DOUBT CONTACT THE MANUFACTURER

.B. The working life of the tail lift will be greatly enhanced if the above steps are arried out on a monthly basis. Also regular lubrication of moving parts is invaluable.

Maintenance six monthly, for appointed service engineers

As monthly safety checks plus:

- 1. Check all fixing bolts and brackets connecting lift onto vehicle chassis.
- 2. Remove pump box cover and check hydraulics / electrics for wear or damage.
- 3. Check lifting cylinders for leaks, change seals if necessary. Adjust / tighten hoses if required (25 N/m of torque for hydraulic fittings).
- Remove outside 'arm side guard' cover. Check bridge plate gas strut operation.
 Check all linkages, fittings and wheels for wear. Tighten and replace if necessary.
- 5. Check all visible hoses and fittings for leaks or damage.
- 6. Check handrail fittings are tight.
- 7. Check condition/security of arm side guards.
- 8. Check all fittings are tight particularly the arm pins.
- 9. Check bridge plate and platform hinges for correct operation.
- 10. Check roll-off ramp assemblies for correct operation. Pay particular attention to spring position and operation.
- 11. Check vertical stow rubber for wear (located in rear corners of platform).
- 12. Check condition of SWL sticker and other lift decals.
- 13. Coat all electrical connections with petroleum jelly or proprietary electrical grease.
- 14. Check hand pump operation, lubricate all pivot points.

REMEMBER TO RETURN MANUAL-TAP(S) TO THEIR ORIGINAL POSITION.

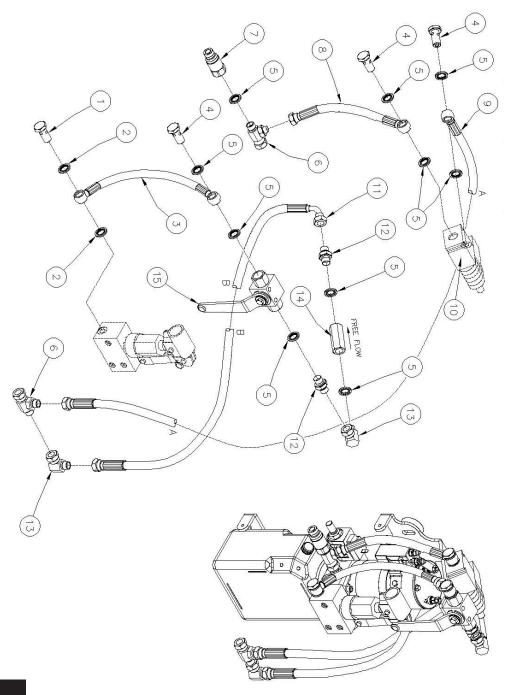
15. Ensure that grease points are re-greased. (EAB only) lubricated.

IF IN DOUBT CONTACT THE MANUFACTURER

Oil Pump Hydraulic Layout & fittings for EA Lift

ITEM	DESCRIPTION / PARTS	PART NO.
1	1/8 Banjo Bolt	GXHYDFITBAN 1600-00-02
2	1/8 Dowty Washer	CON10441
3	Hose	EA2-H08
4	1/4 Banjo Bolt	CON10445
5	1/4 Dowty Washer	ACC25684
6	1/4 Female Run Tee F-M-M	ACC25628
7	1/4 FFC Probe	ACC27331
8	Hose	EA2-H05
9	Hose	EA2-H07
10	Lockvalve	FLA35691
11	Hose	EA2-H06
12	1/4 Adaptor M-M	CON10146
13	1/4 K90° Elbow M-F	CON10145
14	Flow Control Valve	ACC226869
15	1/4 HP Valve	ACC26545

Oil Pump Hydraulic Layout & fittings for EA Lift



EA& EAB Lift Trouble Shooting

Symptom	Possible cause	Solution
Lift will not deploy	Circuit breaker tripped/ Fuse Blown	Re-set circuit breaker (push button in) situated on
		vehicle or change fuse.
	Handset button failure	Check wiring inside handset or change module
	Lift arm spring failure	Replace damaged or stretched springs.
	Arm linkage has seized in.	Press the down button whilst pulling lift out. Note:
		must stand clear of platform.
Platform unfolds when not in use	Hose burst/ hydraulic leak	Check for leaking oil, replace all necessary
		components
	Manual override tap left open/	Close tap and re-stow lift
	down valve manual override opened	Close "red" down valve tap and re-stow lift.
Lift fails to power UP	Circuit breaker tripped	Re-set circuit breaker (push reset button in)
		situated near to vehicle battery
	Handset button failure	Replace handset module
	Hose burst/ hydraulic leak	Check for leaking oil, replace necessary components
	Low oil level in reservoir drawing air	Top up reservoir with PLS BLUE hydraulic oil, 20mm
	into system	from top "max" (when lift is on the ground)
Platform doors do not align	Platform structure bent	Daniago damagad companante
riationii doors do not align	Rose joints not set	Replace damaged components. Adjust rose joints at platform pivot. Note: when
	Nose joints not set	platform is down the rose joint must NOT be over
		tensioned. i.e. can turn via finger pressure
		See Proceduraldrawings on pages 5.04-5.05
		See Frocedul alurawings on pages 5.04-5.05
Roll-off ramp not reaching floor.	Lack of lubrication	Spray all pivots and moving parts with silicone
NOTE. Keep fingers on DOWN	Ramp damaged or bent	Replace damaged parts
Button.	Uneven ground	Land the lift on a more suitable surface
	Platform angle not set	Adjust stowage adjustment screws at base of
		platform to set level position.
		See Procedural drawings on pages 5.04 -5.05
Bridging plate not dropping to base	Lift not raised to max up position	Power lift UP fully to floor height
plate	Mechanism requires adjusting	Re-set and test bridge plate mechanism
	Bridge plate is damaged	Replace damaged components
	Platform angle not set	Adjust stowage adjustment screws at base of
		platform to set level position
		See Procedural drawings on pages 5.04 -5.05
	Activation spring has lost tension	Replace as necessary
	Bridge plate hinge has jammed	Loosen and re-lubricate/ replace parts as necessary.
Bridging plate not returning to vertical	Mechanism has stuck in down	Re-set, lubricate and test bridge plate mechanism
position	position	
	Gas strut has lost pressure	Replace parts as necessary.

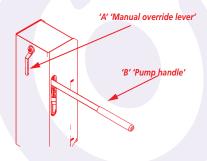


EASY ACCESS 'BARIATRIC' MANUAL OVERRIDE INSTRUCTIONS

THESE INSTRUCTIONS MUST BE READ AND FULLY UNDERSTOOD BEFORE ATTEMPTING TO OVERRIDE THE LIFT TO MANUALY LOWER THE LIFT:

- Pull handle (A) towards the front of the vehicle. The lift will begin to lower until it lands on the ground and the rolls off ramps are deployed.
- 2) To stop the lifts decent push the handle (A) in the opposite direction

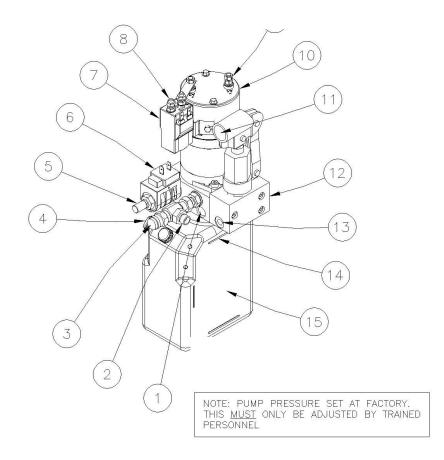
THE HANDLE SHOULD BE IN THE VERTICAL DOWN POSITION FOR NORMAL OPERATION



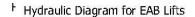
TO MANUALY RAISE THE LIFT:

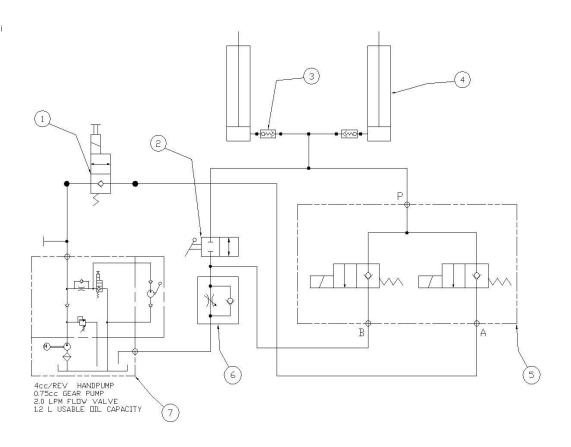
- 1) Remove the manual hand pump handle (B) from back of pump box cover.
- Position pump handle (B) into the end of the manual hand pump and begin pumping in vertical strokes
- IF THE LIFT IS LOADED STOP PUMPING WHEN THE LIFT HAS STOPPED AT THE HORIZONTAL FLOOR HEIGHT AND THE BRIDGE PLATE IS DEPLOYED ON TO THE VEHICLE FLOOR.
- DO NOT STAND IN FRONT OF LIFT WHEN OPERATING
- ALWAYS ENSURE THAT THE OPERATOR HAS A FULL UNOBSTRUCTED VIEW OF THE LIFT

Passenger Lift Services Limited
Unit 2, Summit Crescent Ind. Est., Off Roebuck Lane, Smethwick, West Midlands B66 1BT. U.K.
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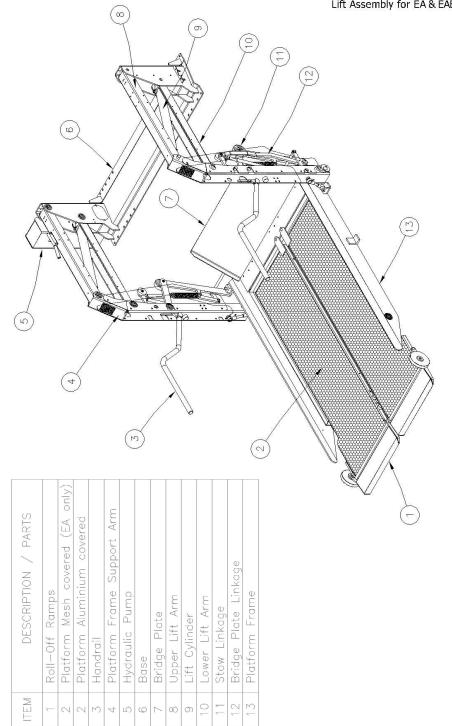


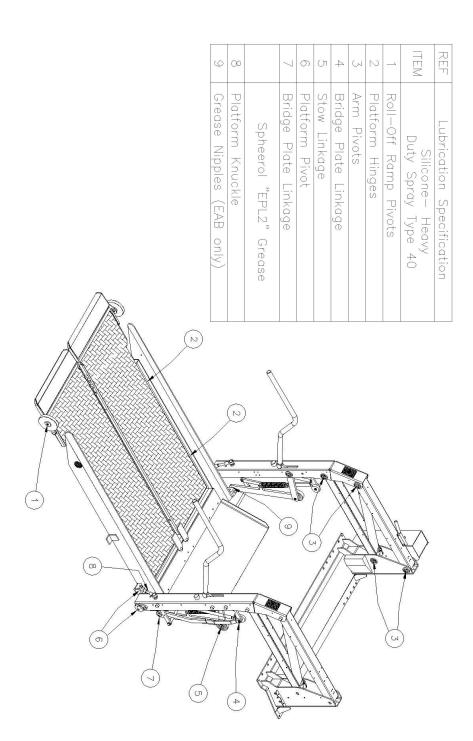
ITEM	DESCRIPTION / PARTS
1	Pressure Adjustment.
2	Hydraulic Hose Connection
3	Pressure Test Point
4	Reservoir Fill and Oil Filler/Breather
5	Auxilary Manual Down Control
6	Down Valve
7	Start (UP) Solenoid
8	+ve (Vehicle Supply—Battery)
9	-ve (Vehicle Chassis)
10	D.C. Motor
11	Manual Pump Handle Connection
12	Hand Pump
13	Tank Return
14	Reservoir Level Indicator
15	Oil Reservoir/Tank

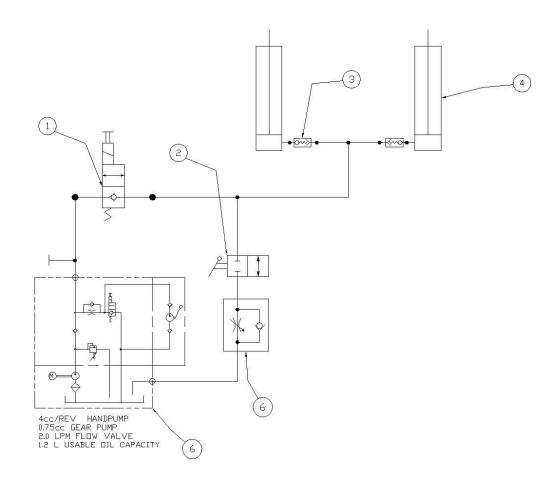




ITEM	QTY	DESCRIPTION / PARTS
1	1	Easy Access Lock Valve
2	1	Ball Valve
3	2	Burst Valves
4	2	Easy Access Cylinder
5	1	Slow Deploy Control Valve
6	1	Flow Control Valve
7	1	Easy Access Power Pack

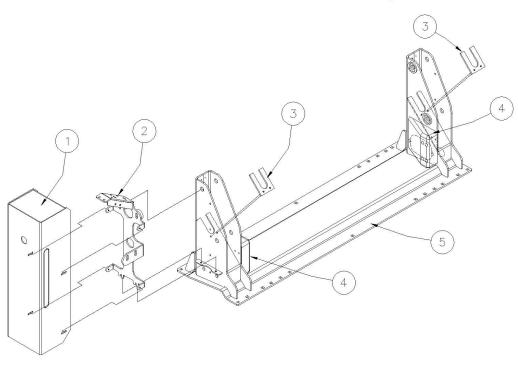






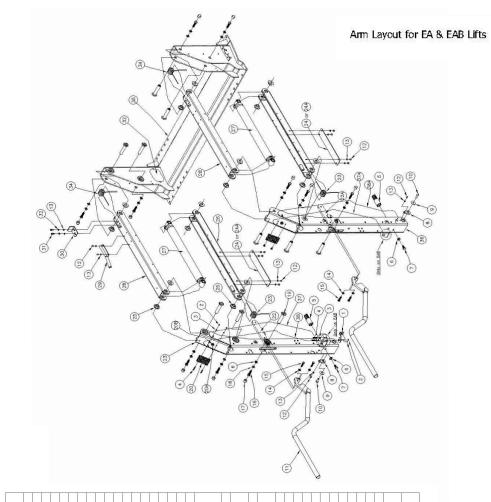
ITEM	QTY	DESCRIPTION / PARTS
1	1	Easy Access Lock Valve
2	1	Ball Valve
ω	2	Burst Valves
4	2	Easy Access Cylinder
5	1	Flow Control Valve
6	1	Easy Access Power Pack

Base Layout for Bariatric

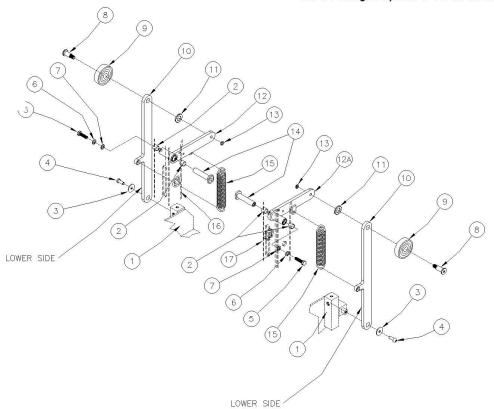


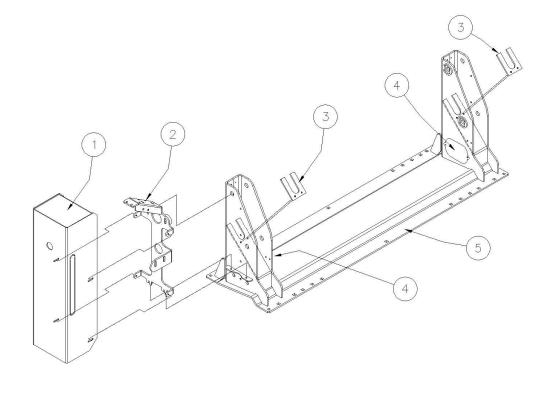
*pw — Platform width in mm

ITEM	DESCRIPTION / PARTS	PART NO.
1	Pump Cover	EABPLAPMPEA539
2	Pump Bracket Series 2	EAFABPMPEA259
-3	Hose Guide	EAPLABASEA263
4	Base Block	EAPLABASE513
5	Arrangement of Fabricated Base	EAFABBASEA503-*pw



PART NO.	EAFABPLAEA542	FAS80242	FAS80237	FAS80198	EAFABARMEA223	FAS80023	FAS80088	EAFABPLAEA516	CON10304	FAS80156	EAFABHANEA274	FAS80085	ACC25765	FAS80021	FAS80048	FAS80204	CON10728	FASB0102	EAFABARMEA510	ACC26560	GXELCLEDR24	GXELCHLD-715-4040	EAFABARMEA505	(for ref only) (for ref only)	EASPRARMEA245	EAFABARMEA543-1.5	EAFABARMEA545-5.0	FAFABARMFA526	EABHYDCYL-8754	EAFABARMEA527	EAFABARMEA257	ACCFABBRP50534	FAS80290	FAS80100	EAPLABASEA305	EASPRARMEA244	(for ref only)	EAFABARMEA506	EAPLAARMEA523-LH EAPLAARMEA523-RH	EAPLAARMEA522-LH EAPLAARMEA522-RH
DESCRIPTION / PARTS	Sensor Bracket	M4 Nyloc Nut	M4 Form A Washer	M4 Socket Cap Head Set x 20 lang	Stowage linkage compression spring Assembly	M10 Plain Washer		Pin Plate	Mudguard Washer	M8 Socket Dome Set x 20mm long	ıdrail Special — 1480 platfı	Socket	M6 Form A Washer	M8 Plain Washer	M8 Hex head Setpin x 25mm long	M10 Hex head Setpin x 30mm long		M10 Spring Washer	Arm Pivot Pin	Reflector Standard	Red LED and Optional	Holder	Platform Frame Support Arm Left Hand	Stow Mechanism Upper Linkage RH	Arm Tension Spring (Arm to Platform Arm)	or 1.5	, and			Upper Arms		Bridge Plate Arm Activation Bracket (Hydraulic)	M6 Socket Cap Head Set x 12 lang	M6 Spring Washer	te	Spr		Platform Frame Support Arm Right Hand	Guard (Internal) LH RH	Guard (External) LH
TEM	-	N	3	4	ω	9	_	00	o	10	1	12	13	14	15	16	17	8	9	20	20A	20B	21	22 22A	23	24	25 25	96	27	200	29	30	21	32	33	34	35	36	37 37A	38



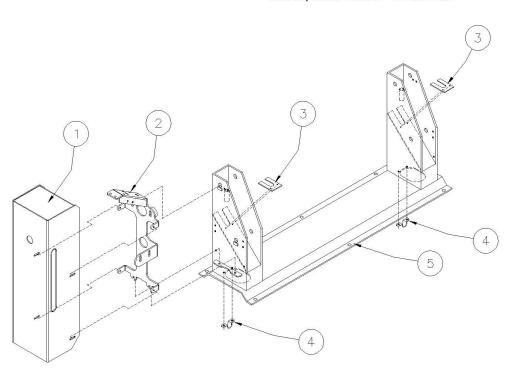


ITEM	DESCRIPTION / PARTS	PART NO.
1	Platform Frame	(for ref only)
2	Glacier Bush 18mm O/D x 16mm I/D x 12 long	ACC26554
3	M8 Mudguard Washer	CON10304
4	M8 Socket Dome Set x 20mm long	FAS80156
5	M10 Hex head Setpin x 30mm long	FAS80204
6	M10 Spring Washer	FAS80102
7	M10 Plain Washer	FAS80023
8	Stow Roller Bolt	EAFABARMEA545
9	Stow Roller Bearing	EABRGS6206RS
10	Stow Mechanism Lower Linkage	EAFABARMEA217
11	M16 Thin Washer	FAS80016
12 12A	Stow Mechanism Upper Linkage LH RH	EAFABARMEA216-LH EAFABARMEA216-RH
13	M12 Half Nut	ACC25751
14	Arm Pivot Pin	EAFABARMEA510
15	Stow Mechanism Linkage Tension Spring	EASPRARMEA221
16	Support Arm LH	(for ref only)
17	Support Arm RH	(for ref only)

*pw — Platform width in mm

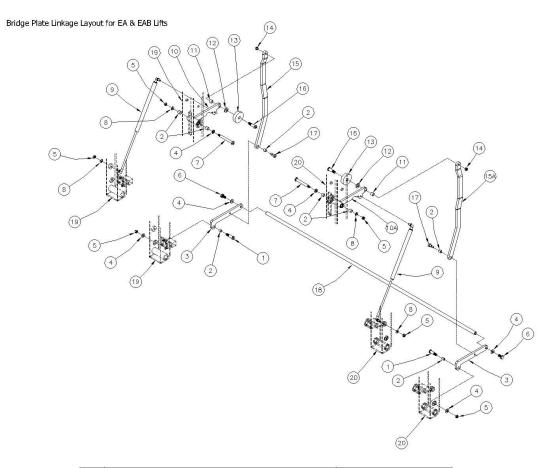
ITEM	DESCRIPTION / PARTS	PART NO.
1	Pump Cover	EAPLAPMPEA262
2	Pump Bracket Series 2	EAFABPMPEA259
3	Hose Guide	EAPLABASEA263
4	Inspection Cover Plate	EAFABBASEA305
5	Arrangement of Fabricated Base	EAFABBASEA204-*pw

Base Layout for Series 1 EA 2006-2008

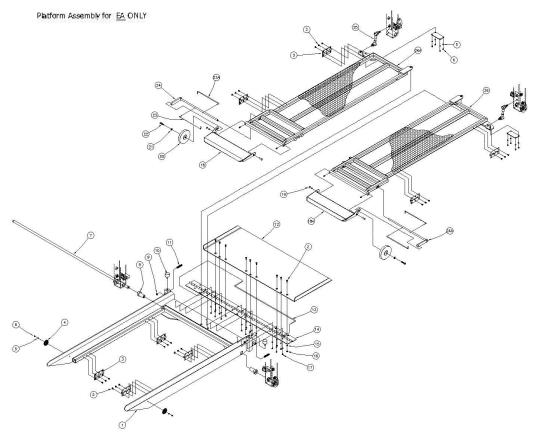


*pw — Platform width in mm

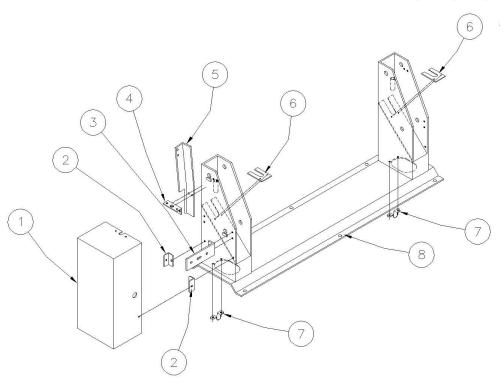
ITEM	DESCRIPTION / PARTS	PART NO.
1	Pump Cover	EABPLAPMPEA539
2	Pump Bracket Series 2	EAFABPMPEA259
3	Hose Guide	EAPLABASEA263
4	Hose clip	EA1065
5	Arrangement of Fabricated Base	FAFARBASFA204-*pw



ITEM	DESCRIPTION / PARTS	PART NO.
1	Bridge Plate Linkage Pivot Pin	EA1030
2	Glacier Bush 12mm O/D x 10mm I/D x 10 long	ACC26360
3	Bridge Plate Mechanism Lower Linkage	EAFABBRPEA227
4	M10 Plain Washer	FAS80023
5	M8 Binx Nut	FAS80244
6	M10 Hex head Setpin x 20mm long	FAS80088
7	Linkage Pin	EAFABARMEA546
8	M8 Plain Washer	FAS80021
9	Gas Strut with Rose Joints	EA10004
10 10A	Bridge Plate Mechanism Upper Linkage LH RH	EAFABBRPEA228-LH EAFABBRPEA228-RH
11	Glacier Bush 14mm O/D x 12mm I/D x 10 long	ACC26555
12	M12 Nylon Washer/ Spacer-24 O/D x 2.5 THK	FAS80007
13	Centre Bearing	ACC25645
14	M10 Nyloc Nut	FAS80002
15 15A	Bridge Plate Mechanism Intermediate Linkage LH RH	EAFABBRPEA229-LH EAFABBRPEA229-RH
16	Bridge Roller Bolt	EAFABARMEA547
17	Bridge Plate Linkage Pivot Pin	EA1029
18	Operation Bar	EAFABBRPEA512-915
19	Support Arm LH	(for ref only)
20	Support Arm RH	(for ref only)



ITEM	DESCRIPTION / PARTS	PART NO.							
1	Platform Frame 815 Wide	EAFABPLAEA211-1480-815							
2	M6 Socket c'sunk head set x 12 long		FAS80116						
3	Platform Frame Hinge		EA279						
4	Circular reflector		ACC26561						
5	M5 Form A Washer		FAS80031						
6	M5 Socket Dome Set x 12mm long		FAS80218						
7	Platform Pivot Bar		EAFABPLAEA511-815						
8	Platform Pivot Bar Bush		ACC26408						
9	M12 Half Nut		ACC25751						
10	Rubber Buffer M8 x 20 long		ACC26423A						
11	M12 Hex head Setpin x 45mm long		CON10317						
12	Bridge Plate Aluminium		EAALYBRPEA235-815						
13	Bridge Plate Torsion Spring		EASPRBRPEA237						
14	Bridge Plate Hinge		EAFABBASEA202-815						
15	M6 Form A Washer		ACC25765						
16	M6 Half Nut		ACC25752						
17	M6 Socket c'sunk head set x 8 long		FAS80291						
18 18A	Roll Off Ramp 815W	LH RH	EAFABRORE250-815-LH EAFABRORE250-815-RH						
19	Roll off Ramp Retaining Pin		EAFABARMEA251						
20	FLA Roll Off Ramp Landing Roller		FLAPLAROR37038						
21	M8 Red Fibre Washer		FAS80272						
22	M8 C'sunk Bolt x 35mm long		FLA35304						
23 23A	Roll off Ramp Torsion Spring	LH RH	EASPRROREA249-LH EASPRROREA249-RH						
24 24A	Roll off Ramp Lever 815 Wide	LH RH	EAFABROREA248-LH EAFABROREA248-RH						
25	Platform Knuckle		EAFABPLAEA258						
26 26A	Platform 815 Wide	LH RH	EAFABPLAEA214-1480-815-LH EAFABPLAEA214-1480-815-RH						



*pw — Platform width in mm

ITEM	DESCRIPTION / PARTS	PART NO.
1	Easy Lift Pump Cover	EA1053
2	Pump cover side bracket	EA1057S
3	Pump Bracket	EA1058
4	Pump cover top bracket	EA1057T
5	Down valve bracket	EA1026
6	Hose Guide	EAPLABASEA263
7	Hose clip	EA1065
8	Arrangement of Fabricated Base	EAFABBASEA204-*pw