

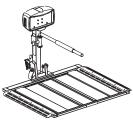
INSTALLATION & OWNER'S MANUAL



AL030 Power Tote Folding Manual Wheelchair Lift Capacity: 100 lbs



AL300 Universal Scooter/Power Chair Lift Capacity: 350 lbs



AL560XL Extra Wide Auto Hold Down Power Chair Lift Capacity: 350 lbs

AL010/050 Micro Power Chair / Scooter Lift Capacity: 135 lbs



AL300RV RV Lift Scooter/Power Chair Lift Capacity: 350 lbs



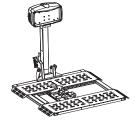
AL570 Auto Hold Down Power Chair Lift Capacity: 350 lbs



AL015 Micro Scooter Lift Capacity: 100 lbs



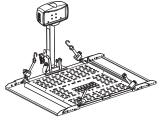
AL500 Universal Power Chair Lift Capacity: 350 lbs



AL570XL Extra Wide Auto Hold Down Power Chair Lift Capacity: 350 lbs

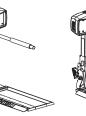


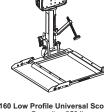
AL100 Universal Scooter Lift Capacity: 350 lbs



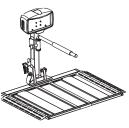
AL301XL Extra Wide Universal Power Chair Lift Capacity: 350 lbs







AL160 Low Profile Universal Scooter Lift Capacity: 350 lbs



AL560 Auto Hold Down Power Chair Lift Capacity: 350 lbs



AL585-SEL Power Chair Lift Capacity: 250 lbs



AL585-SS Power Chair Lift

Capacity: 250 lbs

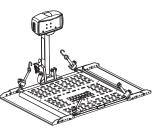
AL100HD Heavy Duty Scooter Lift Capacity: 400 lbs



AL300HD Heavy Duty Scooter/ Power Chair Lift Capacity: 400 lbs



AL500HD Heavy Duty Power Chair Lift Capacity: 400 lbs



AL301XLHD Extra Wide Heavy Duty Power Chair Lift Capacity: 400 lbs

Read manual thoroughly before attempting to install or operate lift.

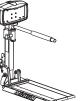
This manual has been provided to assist you with lift installation and operation. For further assistance please contact your authorized Harmar Mobility dealer or Harmar's Technical Service Department.

Tech: 800-833-0478 Fax: 866-234-5680

Email: tech@harmar.com

Dealer /	
Installer	:

Serial Number:



AL580 Power Chair Lift

Capacity: 350 lbs



AL580XL Power Chair Lift

Capacity: 350 lbs



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INSTALLATION

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<u>S</u>	IGNAL WORDS	DEFINITION				
	WARNING	Indicates a hazardous situation that if not avoided, could result in moderate to serious injury.				
	CAUTION	Indicates a hazardous situation that if not avoided, could result in moderate to serious property damage.				

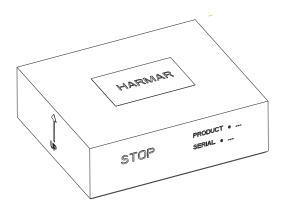
REQUIRED TOOLS

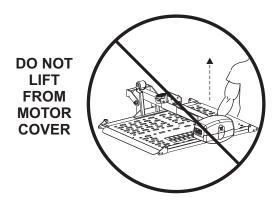
The following is a suggested list of basic tools to have on hand during installation. Harmar lifts are designed to install with as little assembly by the installer as possible.



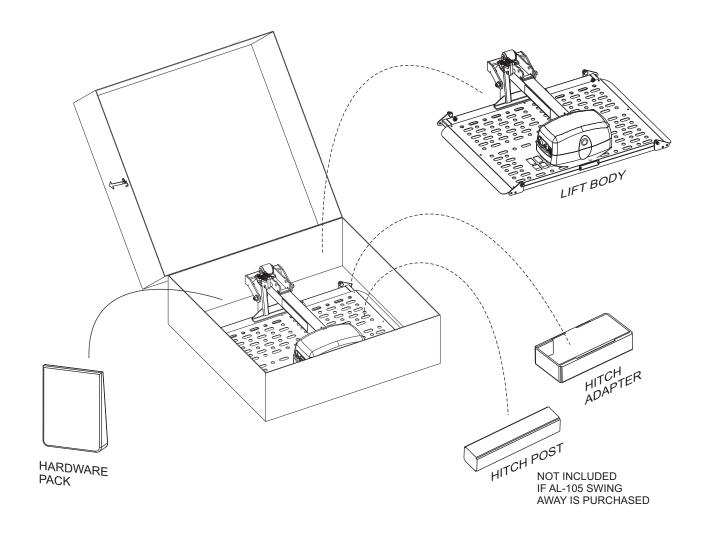
As always, if you have any questions, concerns or comments, please feel free to contact Harmar's Technical Service Department at 1-800-378-6648 or "tech@harmar.com"



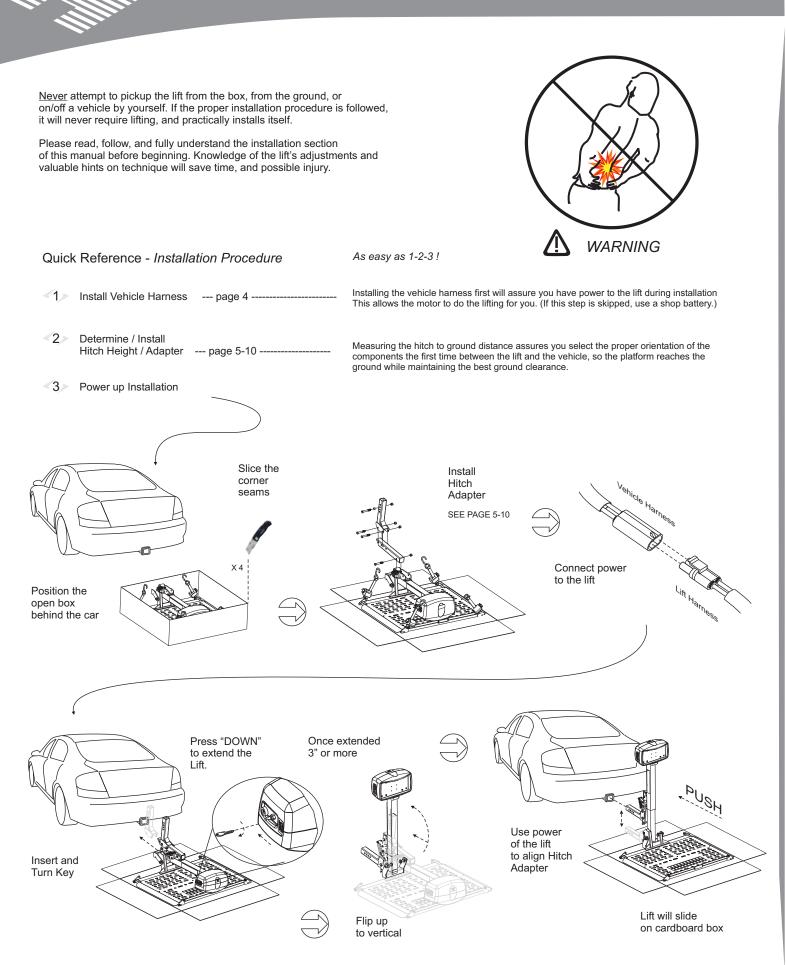




Be sure to check the contents of the box against the package checklist verifying all parts are included with the lift for a proper installation. If any parts are missing or damaged, immediately contact the distributor from which you purchased the lift. <u>**DO NOT**</u> attempt to install or use the lift with any missing or damaged parts.



INSTALLATION OVERVIEW





IMPROPER WIRING IS THE #1 CAUSE OF PROBLEMS IN THE OPERATION OF A VEHICLE LIFT.

20 AMP SELF RESETTING CIRCUIT BREAKER

FOLLOW THE WIRING INSTRUCTIONS CAREFULLY

Located in the hardware pack is the vehicle wiring harness. The harness is manufactured to, and complies with the SAE J1128 requirements. The harness is approximately 23 feet long and will accommodate most vehicles. Follow these instructions to assure proper installation.

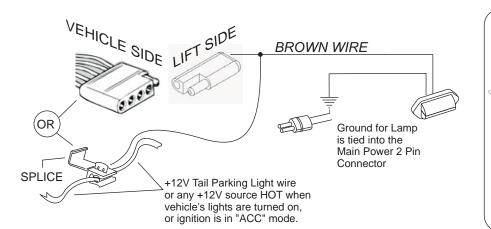


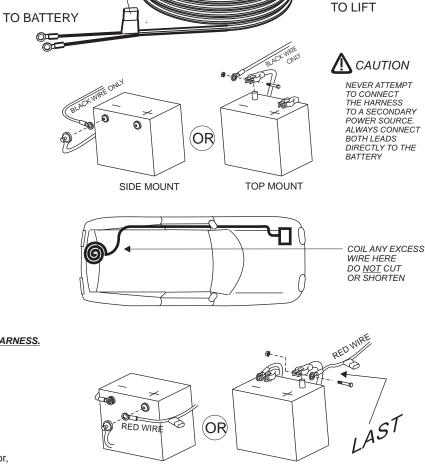
WARNING <u>DO NOT CONNECT RED</u> WIRE UNTIL THE VERY END.

- Unwind the harness and lay it flat. One end of the harness has a black connector. This is the lift end of the harness and goes to the trailer hitch area where the lift will mount.
- Begin routing the wiring harness at the vehicle battery. Attach the black wire to the negative terminal on the battery. DO NOT ATTACH THE RED WIRE UNTIL THE END.
- Run the wiring harness under, or when possible through the vehicle, back to the bumper / trailer hitch. Always locate the wiring where it cannot be snagged by road debris and away from the gas tank. Through the vehicle is best, gaining entry into the vehicle through the firewall. However if you wish to run the harness under the vehicle, use supplied wire ties to secure the wire against the frame, avoiding moving parts / hot parts such as exhaust. If the harness is too long, coil the excess wire and secure it to the frame / bumper with supplied wire ties.

CAUTION DO NOT CUT OR SHORTEN THE HARNESS.

- 4 > Plug connector into the lift.
- $\sqrt[]{5}$ Attach red wire to the positive terminal on the battery.
- A standard 2 contact trailer connector is also included with the lift. This is for the illumination of the license plate lamp. If your vehicle is not equipped with the proper connector, a wire splice, using the BROWN WIRE can be made to achieve the same result.





SIDE MOUNT

TOP MOUNT

TECH NOTE: MOTOR TEST

PROBING FOR 12 VOLTS MAY INDICATE A CONNECTION, BUT NOT NECESSARILY A SUFFICIENT CONNECTION. THE LIFT'S MOTOR CAN DRAW UP TO 30 AMPS AT SOME POINTS, REQUIRING ALL OF THE AVAILABLE WIRE TO FLOW PROPER CURRENT. POOR CONNECTIONS ARE THE #1 PROBLEM ASSOCIATED WITH A SLOW, INITERMITTENT, WARM, POORLY PERFORMING MOTOR. NOT ONLY WILL THE MOTOR PERFORM POORLY, BUT-WILL PREMATURELY DETERIORATE.

IF A SINGLE STRAND OF A MULTI-STRAND WIRE IS MAKING CONTACT, I2V WILL APPEAR ON THE METER, OR TEST LIGHT, BUT WILL NOT ALLOW THE MOTOR TO OPERATE. IT IS ALWAYS BEST TO TEST BOTH CURRENT AND VOLTAGE, OR RUN THE MOTOR WITH KNOWN GOOD SHOP BATTERY OR POWER SOURCE WHEN TROUBLESHOOTING.

VEHICLE HITCH



To install an Outside Lift on a vehicle, the vehicle must be capable of accepting a Class 1, 2, or 3 Hitch. If you are unsure about the vehicle and hitch capatibility, contact a local hitch installer or the web sites below. The vehicle should also be wired with a standard 4 connector trailer wiring.

Listed below are three web sites of hitch companies that can be used as reference.

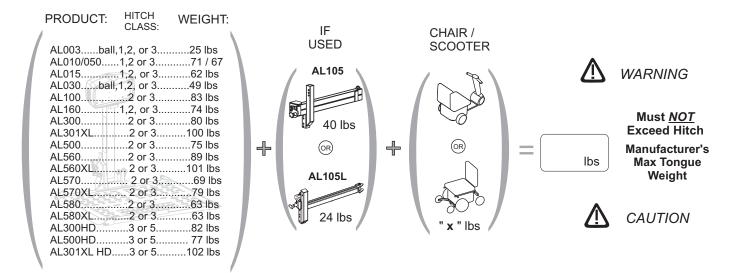
(3) www.hitch-web.com, www.reeseprod.com, or www.draw-tite.com

Be sure to use a hitch installer that is reputable, insured, and capable as their work has a direct reflection on the customers perception of a properly installed mobility lift.

NOT EVERY VEHICLE IS CAPABLE OF HAVING A HITCH INSTALLED

Calculate the weights of the lift, mobility device, and where applicable the swing away option, being certain that the total weight does not exceed the recommended tongue weight of the hitch. Different types of hitches are capable of bearing different amounts of weight.

The lift manufacturer suggests the installer observe the vehicles Gross Vehicle Weight Rating restrictions.

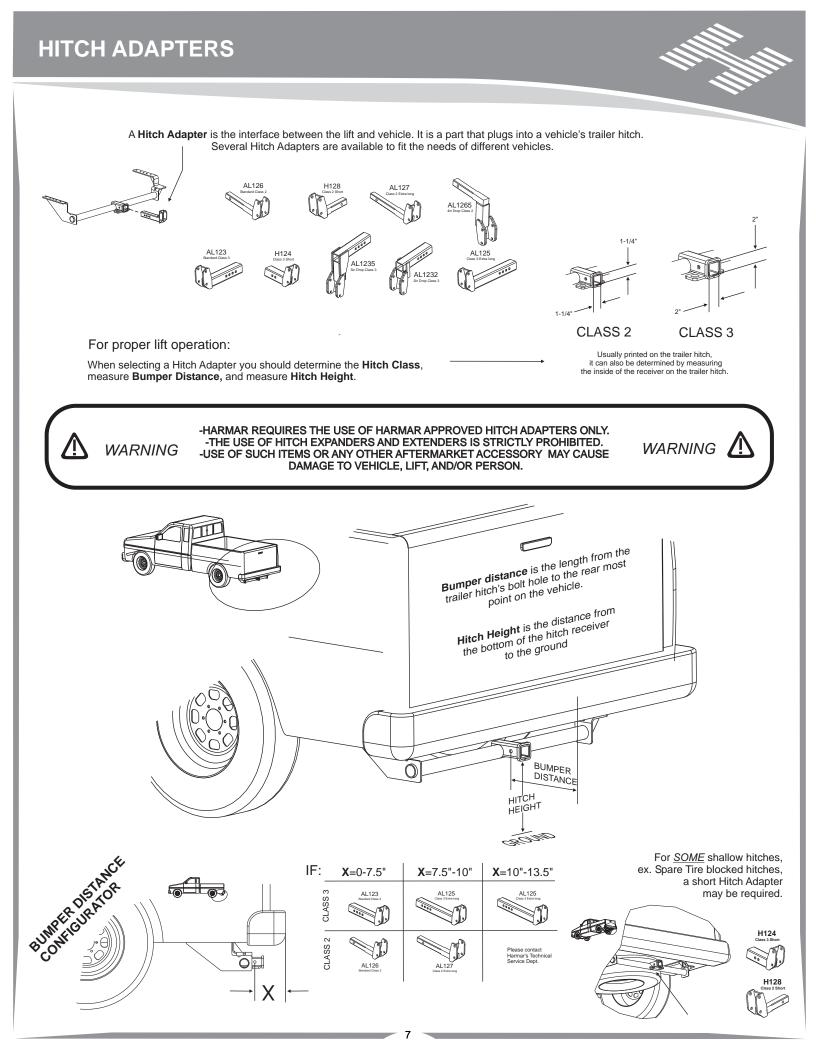


Some states have very strict license plate obstruction laws, so be sure to familiarize yourself with the local and state laws.

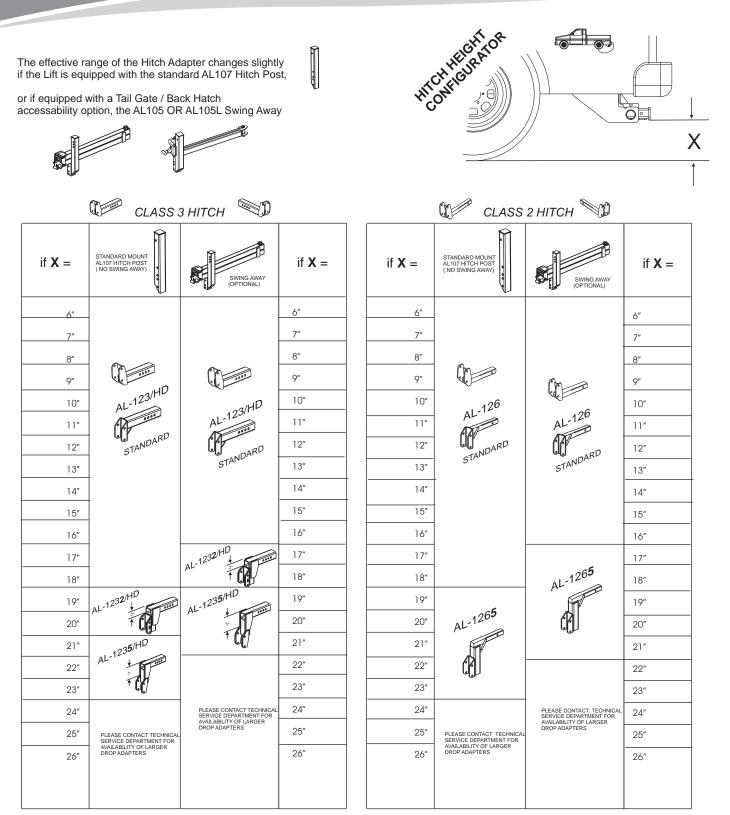
Assure the receiver tube of the hitch is installed parallel to the ground. This is not a recommendation, but a requirement. If the hitch is not properly installed it will affect the function of the lift.

Some vehicles will require that the rear suspension be supplemented. The manufacturer recommends the installer contact a suspension specialist for additional technical support.

A vehicle with a Class 3 (Class 2 requires optional accessories) hitch and standard 4 connector wiring is ready for installation.



HITCH ADAPTERS



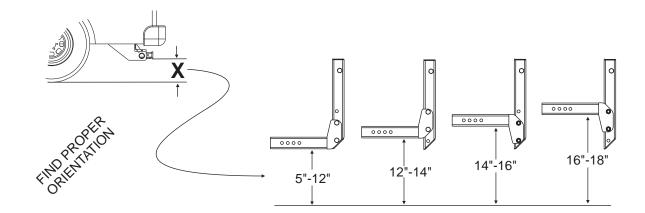
Should the measurement fall in between, ex. 18-1/2", round up if greater than or equal to 1/2", round down if less than 1/2".

Combination Hitch Adapters are available (ex. Short Class 3, 5in Drop or Long Class 2, 2in Drop)

If you have any questions / concerns about selecting the appropriate Hitch Adapter for your application, please contact Harmar's Technical Service Department, and a highly trained representative will be happy to assist

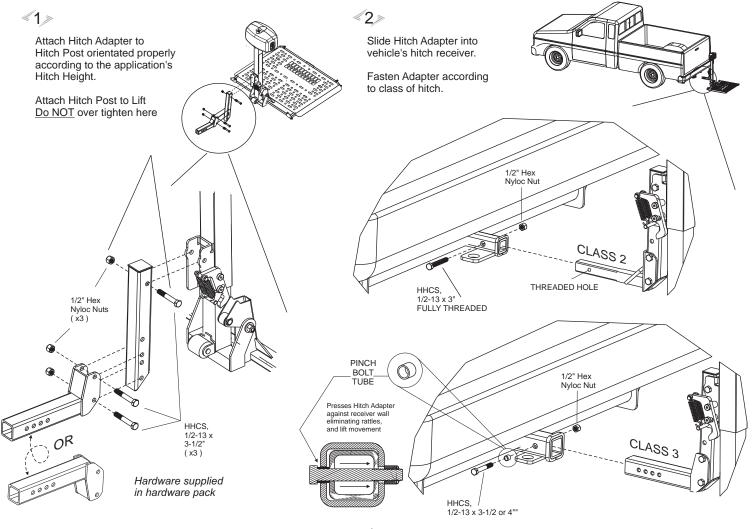


The Hitch Adapter's orientation and location can be utilized to achieve a range of different lift heights, optimizing the vehicle's ground clearance, while assuring the platform will reach the ground and lay flat at the end of travel. Please consult the diagram below to select the orientation needed for the vehicle, based off the Hitch Height. (Vehicle's hitch receiver distance to the ground.)



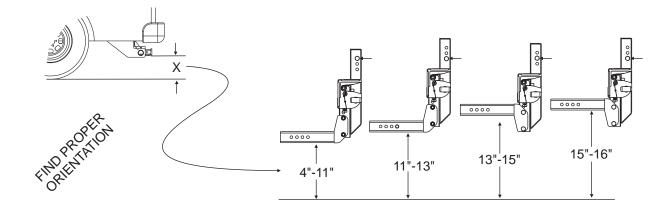
WARNING

Please refer to page 4 for a helpful procedure on performing this installation



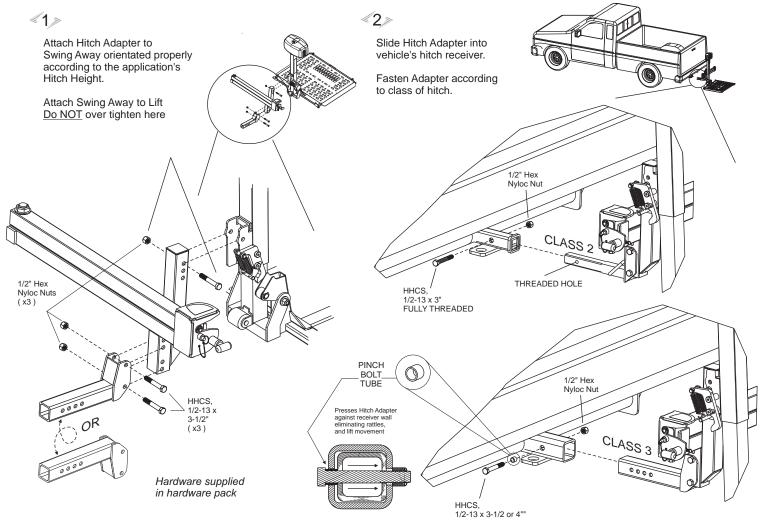
INSTALLATION w/ SWING AWAY

The Hitch Adapter's orientation and location can be utilized to achieve a range of different lift heights, optimizing the vehicle's ground clearance, while assuring the platform will reach the ground and lay flat at the end of travel. Please consult the diagram below to select the orientation needed for the vehicle, based off the Hitch Height. (Vehicle's hitch receiver distance to the ground.)



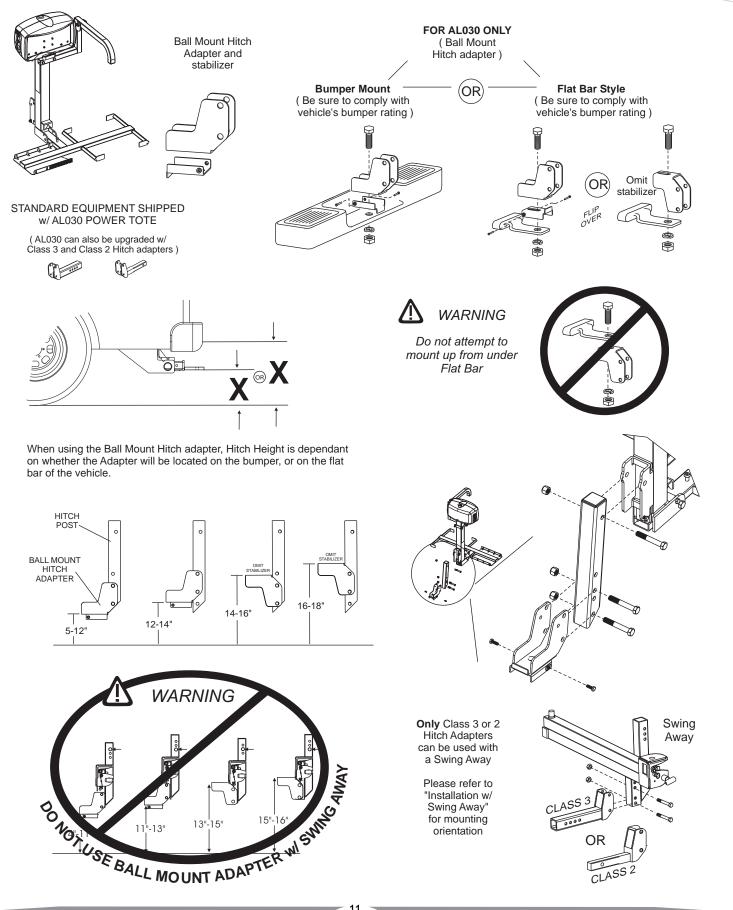
WARNING

Please refer to page 4 for a helpful procedure on performing this installation



AL030 POWER TOTE INSTALLATION





CHAIR PREPARATION

IF USING A LIFT WITH 4 STRAPS FOR SECUREMENT, THERE ARE 2 OPTIONS ON HOW TO ATTACH THE STRAP HOOKS TO THE CHAIR EACH OPTION IS INCLUDED WITH THE LIFT.

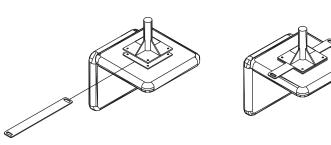
ANCHOR PLATE:

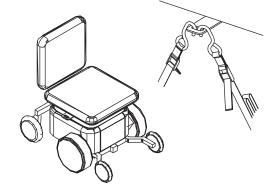
The Anchor Plate is a flat plate that is 20" long with a slot in each end. This plate will work with any chair or scooter that has a center seat post and attaches to the bottom of the seat. The Anchor Plate should extend about 1-1/2" out from the side of the

Plate to secure the chair to the lift.

Attach the Anchor Plate by the following steps:

- 1. Remove the seat from the chair.
- Loosen the screws that attach the plate to the bottom of the seat. Allow enough room to slide the Anchor Plate between the seat and the seat plate.
- 3. Attach the Anchor Plate in the center of the seat plate with the holes on each end extending evenly on each side of the seat.
- 4. Re-tighten the screws that hold the seat plate to the bottom of the seat.
- 5. Replace the seat on the chair.

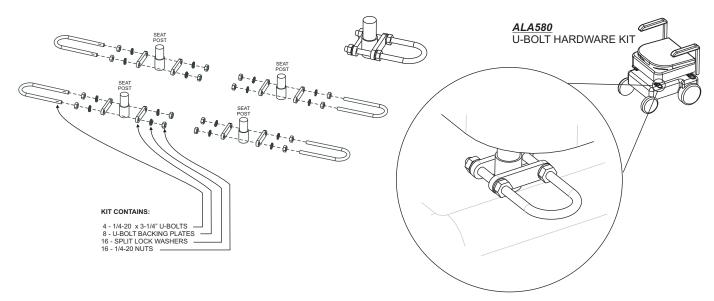




U-BOLT KIT:

The U-bolts are to be used with power chairs or scooters that do not have a center seat post. On this type of chair, the seat is normally attached to a tubular frame. Attach the U-bolts, two on each side, to the frame as shown below. Make sure that the loop extends to the outside of the chair to allow the strap hooks to be attached by the end user.

Each type of chair will differ slightly and the placement of the U-bolts will differ between different models and manufacturers. Place the U-bolts towards the center of the seat if possible. Because of the different types of seats, you may be forced to attach the U-bolts more towards the front or rear of the seat, but we recommend attachment as close as possible to the center of the seat.





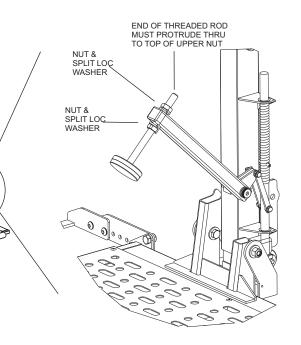
SETTING HOLD DOWN FOOT HEIGHT

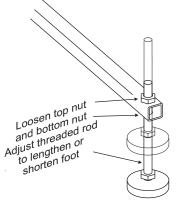
PLATFORM MAY LOOK DIFFERENT THAN ONE DEPICTED BASED ON MODEL.

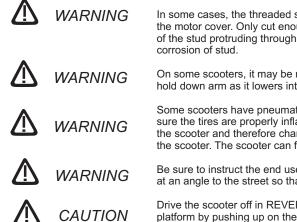
With platform on the ground, drive scooter onto platform, from the left (driver's side) to right, until the rear wheels are located in the rear wheel spreader bar assembly. Stop when the rear tires contact the ramp of the platform.

Raise the platform until the motor's clutch is heard (top of travel). Loosen both nuts on the hold down arm, and raise or lower the foot to contact the scooter's deck. Lower the platform about 1-2 inches. Lower the foot once again to the scooter's deck. Raise the platform. Verify the hold down foot places adequate pressure on the scooter. **DO NOT** adjust the leg down so far that the top of the threaded rod does not protrude through the top of the pivot tube. Once the foot is adjusted to the proper position, tighten the jam nut to lock it in place.

Once the lift is properly adjusted, lower the platform to the ground and raise it back to the transporting position. Repeat this several times to make sure all parts are operating properly and that the scooter is properly secured. Next, remove the scooter from the lift and using the toggle switch, cycle the lift completely up and down to make sure that all parts are in working order and the lift folds up when it is empty.







In some cases, the threaded stud of the hold down foot will need to be cut to avoid contact with the motor cover. Only cut enough of the stud to avoid contact with the motor cover, leaving enough of the stud protruding through the washer and nut. File rough edges and add rubber cap to avoid corrosion of stud.

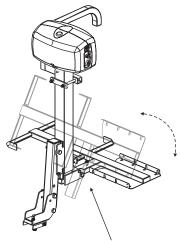
On some scooters, it may be necessary to temporarily move the steering tiller forward to clear the hold down arm as it lowers into the lock down position.

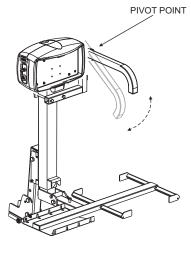
Some scooters have pneumatic (air inflated) tires. If your scooter has this type tire, be sure the tires are properly inflated. Improper inflation of the tires will change the deck height of the scooter and therefore change the amount of clamping force the hold down arm places on the scooter. The scooter can fall off the lift if not properly secured.

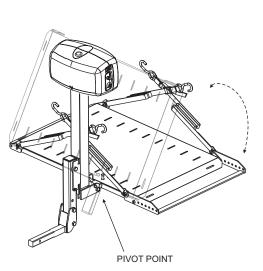
Be sure to instruct the end user not to enter steep driveways straight on. Enter and leave at an angle to the street so that the lift platform does not drag on the ground.

Drive the scooter off in REVERSE. When the scooter is clear off the platform, raise the platform by pushing up on the UP/DOWN switch.

MICRO LIFT PREPARATION





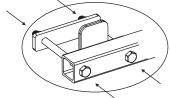


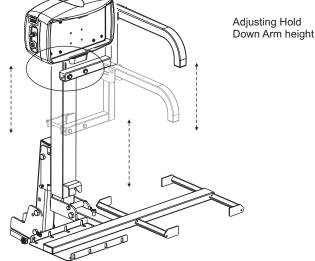
PIVOT POINT

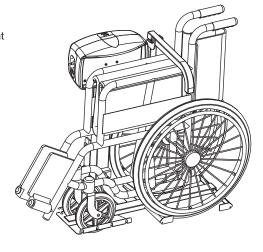
The manual folding hinge points of the AL010/050 and AL030 contain tensioning washers. The amount of force required to move these parts is determined by the tension of these washers. The tension also dampens the movement and allows a controlled operation of the folding of platform or hold down arm. To adjust, simply tighten or loosen the bolt and nut located at the pivot point. The tension is set at the factory and should not need adjustment. However if more or less resistance is desired, adjust accordingly.



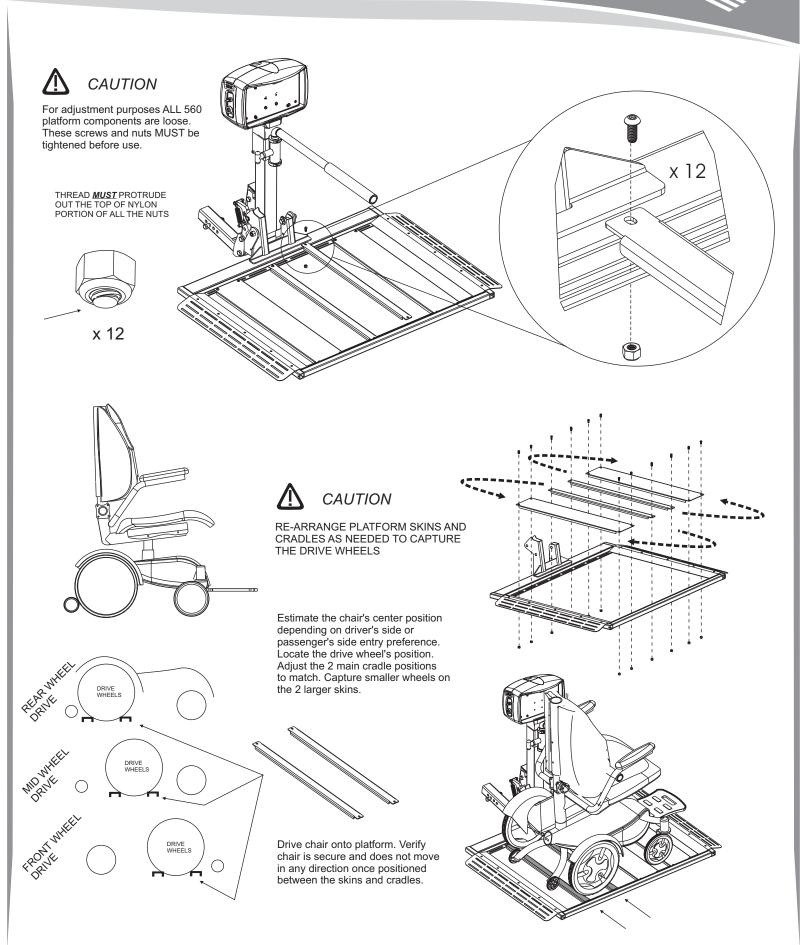
The AL030's Hold Down Arm height requires adjustment to properly clamp your specific wheelchair to the platform. Position the folded wheelchair on the platform being certain the large rear wheels fall into the cradles of the platform. Loosen the two bolts and nuts located in the drawing below. Allow the arm to rest on the padded armrests. Remove chair, and allow the arm bracket to fall approx 1 inch. Tighten bolts and nuts. Replace chair on platform and test the Hold Down Arm. Chair should be secure, and not moveable in any direction. Adjust as needed.





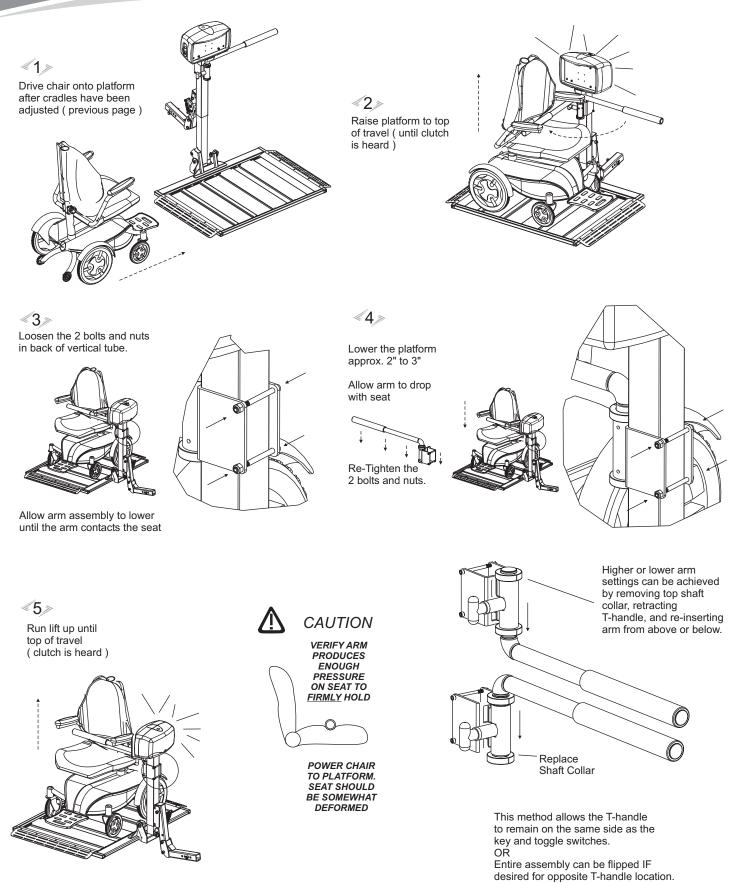


LIFT PREPARATION - AL 560 SERIES





AL560 & AL 580 SERIES - HOLD DOWN ARM ADJUSTMENT





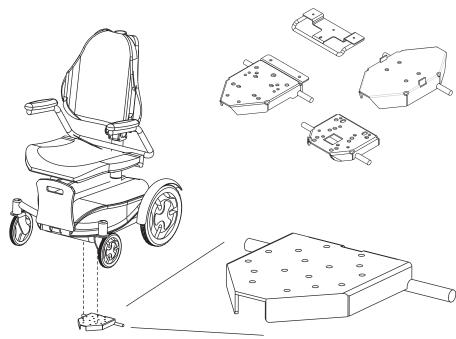
AL570 and AL570XL PLOW INSTALLATION

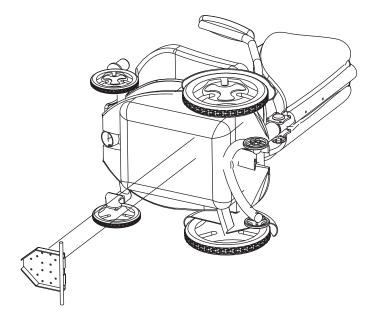
A <u>PLOW</u> is the component that attaches to the underside of the power chair, enabling automatic locking and unlocking of the chair to the platform of the lift.

Due to the many different makes and models of power chairs today, a variety of plow arrangements exist to ensure the chair will be compatible with the Dock and lock system.

<u>Please read, understand, and follow the</u> <u>instructions provided with your Plow.</u>

It is highly recommended to install the Plow under the chair prior to ad usting the height of the Dock and Lock on the platform. This will ensure the guidelines on the next page are accurate.

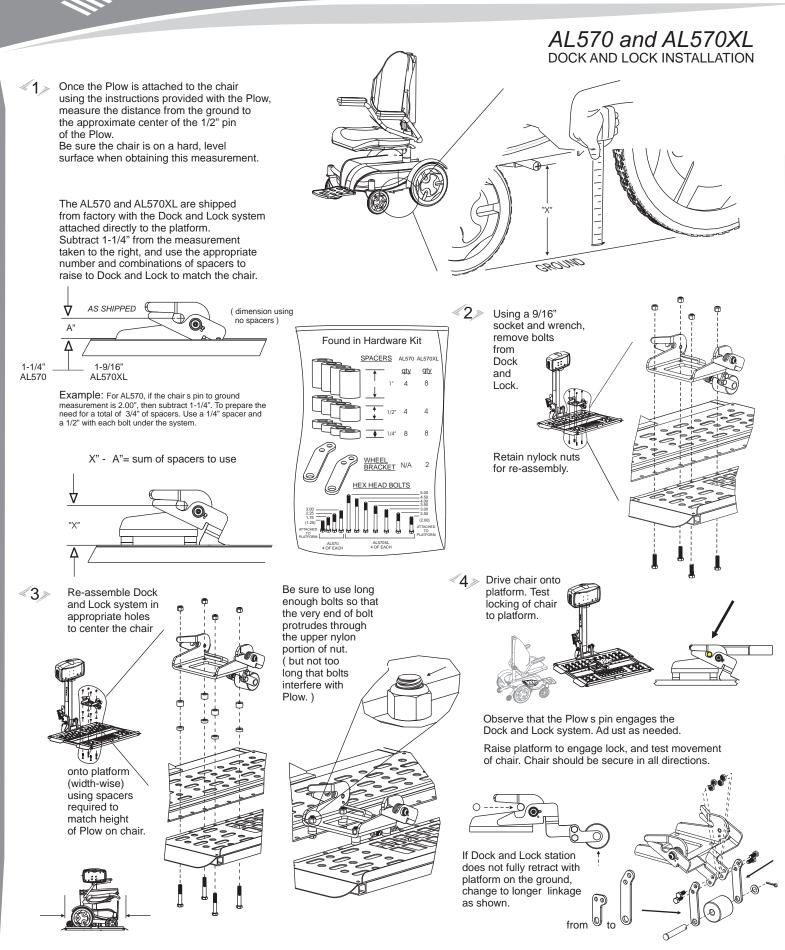




If additional holes are required to install the plow, be sure to remove the power chair s batteries and inspect the backside of the tray. Avoid drilling electronics / wires that may damage the chair.

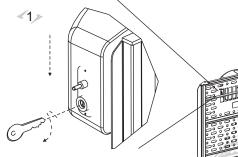


LIFT PREPARATION

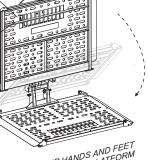


OPERATION GENERAL





Insert Key and switch to "ON" position. Press DOWN on toggle switch. The platform will unfold. Continue to lower until platform reaches the ground and becomes level. DO NOT continue to travel downward so much so, that the vehicle starts to raise. This will damage the lift.



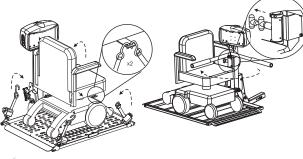
KEEP HANDS AND FEET AWAY FROM PLATFORM AS IT LOWERS TO THE GROUND Drive chair onto platform, taking care to stop when the drive wheels fall between the bars on the platform or center on the platform depending on lift and chair model.

Positioning on the platform is critical to properly lock on most models. Please consult your dealer on the specifics of your application.

Always verify wheels are captured by cradles or bars.

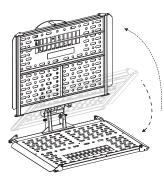
3,...

Depending on model lift and your application's securement means, you may wish to raise the platform half way to raise the level at which you will be attaching straps to avoid bending over, or flip the chair's armrest out of the way for the hold down arm.



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To unload, follow these instructions in reverse, and reverse the direction of the arrows.



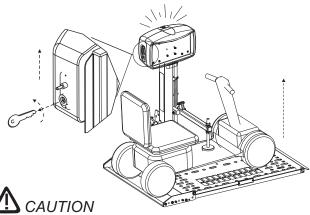
When unloaded, the platform will automatically fold. (except AL010/050 and AL030)

CAUTION These are generic instructions

Please follow the instruction suggested by your dealer as each application varies slightly depending on chair make and model. 4¹¹4,m

ď2,»

Once the chair is secure, continue to raise the lift using the toggle switch, until the top of travel (clutch is heard). Twist and remove key.



ALWAYS

Verify the chair or scooter is held firmly in place prior to transport.

Always run the lift to the top of travel for transport. The lift will make a ratchet type sound at the top, which is the best indication that all mechanism are locked and ready for travel.

Ne er attempt to move the vehicle without the lift being in the full "up" or "stowed" position. This may cause damage to the lift.

Slow Down for pot holes, rough roads, railroad tracks etc... Excessive loads imposed from rough driving will damage your lift, and will not be covered by the warranty.

If any damage is noticed, stop using the lift immediately. Do not attempt to transport a chair or scooter with a compromised lift. Damage to your chair, lift, vehicle may occur. Take the lift to your nearest dealer, and have it evaluated prior to further use.

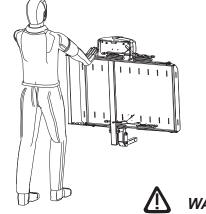
Micro Lifts

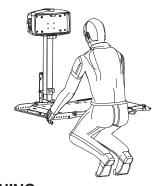
The **AL010/050** and **AL030** both require the platform to be folded and unfolded manually.

The locking mechanism consists of a pin and keeper plate, which must be disengaged prior to unfolding.

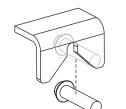
Simply hold the platform firmly and lower it approx. 2" to allow the platform to disengage and unfold.

To lock in the upright position, lift plaform up prior to the pin engaging the keeper plate. Approximately 2" or more.



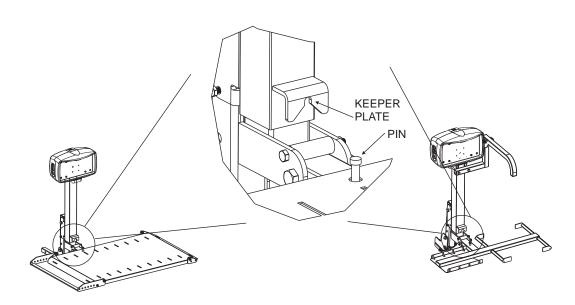


HOLD PLATFORM FIRMLY WHILE LOWERING THE LIFT TO ITS DOWN POSITION



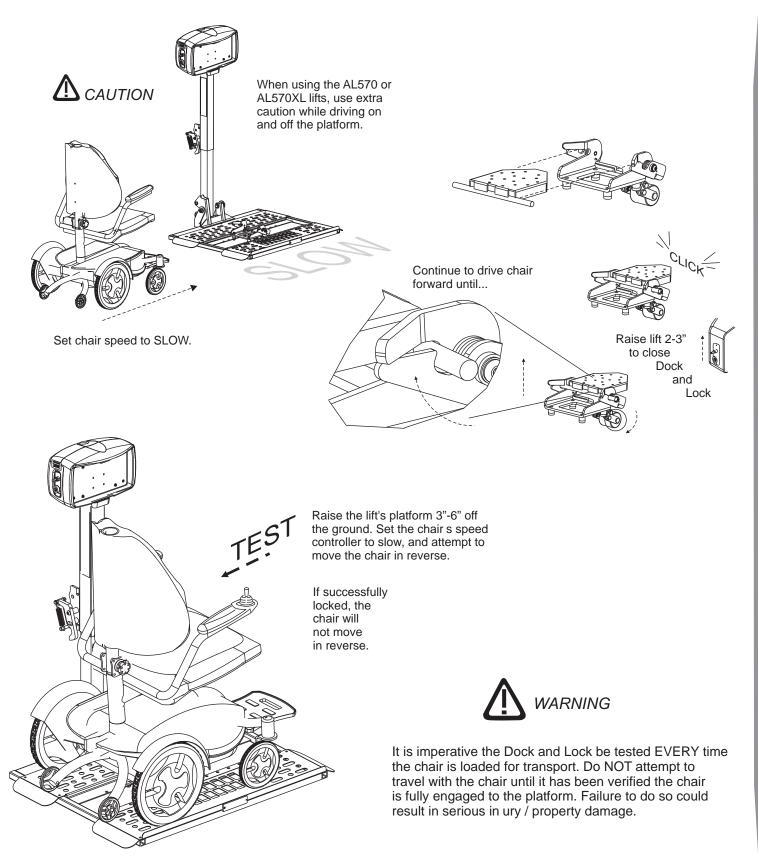


HOLD PLATFORM FIRMLY WHILE RAISING THE LIFT UNTIL THE PIN HAS ENGAGED THE EEPER PLATE





AL570 and AL570XL

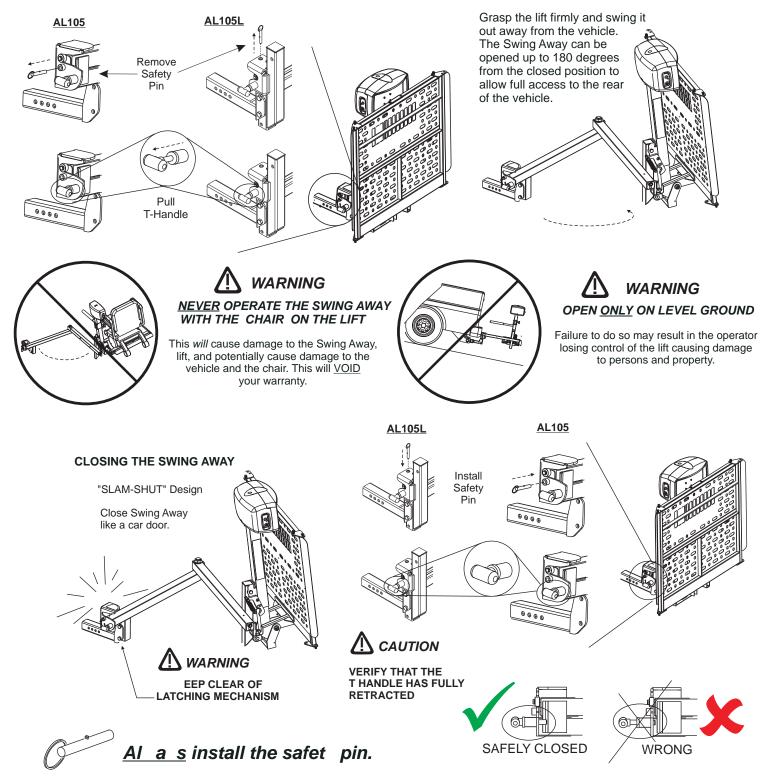


21

OPERATION - SWING AWAY

Many scooter and chair owners require access to the rear of a vehicle. To accomplish this, a Swing Away option is added to the lift installation. This allows the complete lift to be conveniently and easily swung away from the back of the vehicle and allow easy access to the trunk or lift gate. The Swing Away option can be purchased from any authorized dealer and added at any time.

OPENING THE SWING AWAY



MANUAL OVERRRIDE





DISCONNECT POWER FROM LIFT BEFORE

ATTEMPTING MANUAL OVERRIDE

Ideally, the Manual Override system should never be needed.

However, in the event of power failure (ex. Dead Battery,) your lift is equipped with the ability to operate the platform for emergency purposes. The very first, and most important step is to unplug the 2 connector plug BEFORE attempting to use the override. Failure to do so can result in serious in ury.

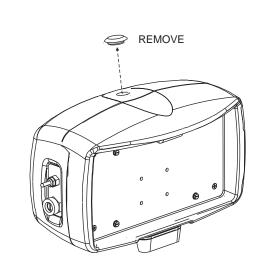
VEHICLE HARNESS

Please remember to disconnect power prior to any effort to operate the Manual Override.

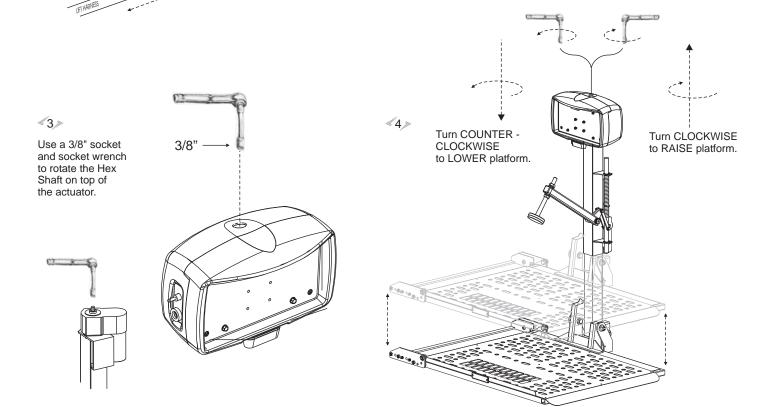
1.m

UN PLUG

power to the lift



Using a coin or key, remove cap on top of motor cover.



Replace plastic cap when finished using Manual Override. Last, plug power back to the lift.



CAUTION

When driving with your chair on the lift, drive with EXTREME CARE. SLOW DOWN for pot holes, speed bumps, railroad tracks, etc. Your lift, vehicle, chair can be badly damaged by abuse if subject to excessive loads imposed by rough driving.



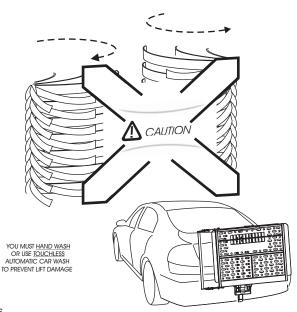
CAUTION

Before folding an un-loaded platform, be sure to return the Hold Down Arm to one of the side positions. Failure to do so, will damage your lift.





This lift is NOT meant for human transport. Chair MUST be unoccupied before operating the lift. These lifts are designed for a specific chair transport only. DO NOT attempt to move any other power chairs, vehicles, objects, people, or materials other than for what the lift was designed.



CAUTION

Keep hands and feet away from PINCH POINTS. As with most mechanical objects, the hinge point of a moving part creates a pinch point. Be sure not to stick fingers or extremities at or near these points.

CAUTION

Keep hands, feet, and any other objects out from under the platform as it lowers.

Keep your chair's tires properly inflated. Improper inflation will change how the chair fits and secures on the platform, therefore changing the amount of clamping pressure.

CAUTION

Before driving off with your chair on the lift, make sure that the chair is firmly held to the platform.



Inspect the condition of your lift often. If ANY parts are worn or damaged, DO NOT USE THE LIFT. Immediately contact the dealer you purchased the lift from for repairs.

CAUTION

Do not enter steep driveways straight on. Enter and leave at an angle to the street so that the lift does not drag on the ground.

CAUTION

Do not attempt to move the vehicle with the platform in the down position. If moved this way, the lift mechanism will be damaged.

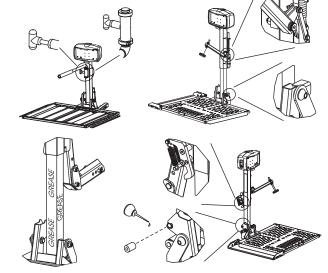
MAINTENANCE

This outside lift has been designed to be as trouble free as possible for the owner. The maintenance schedule is no exception.

Every 30 days oil the pivot points on all moving parts.

During winter, or under dirty and dusty conditions, re-grease the inside vertical square tube every 30 days. To accomplish this, lower the platform to the ground and clean with mineral spirits, WD-40, or a good solvent. Once clean, grease the square vertical tube shaft with high grade water resistant grease such as boat trailer wheel bearing grease.

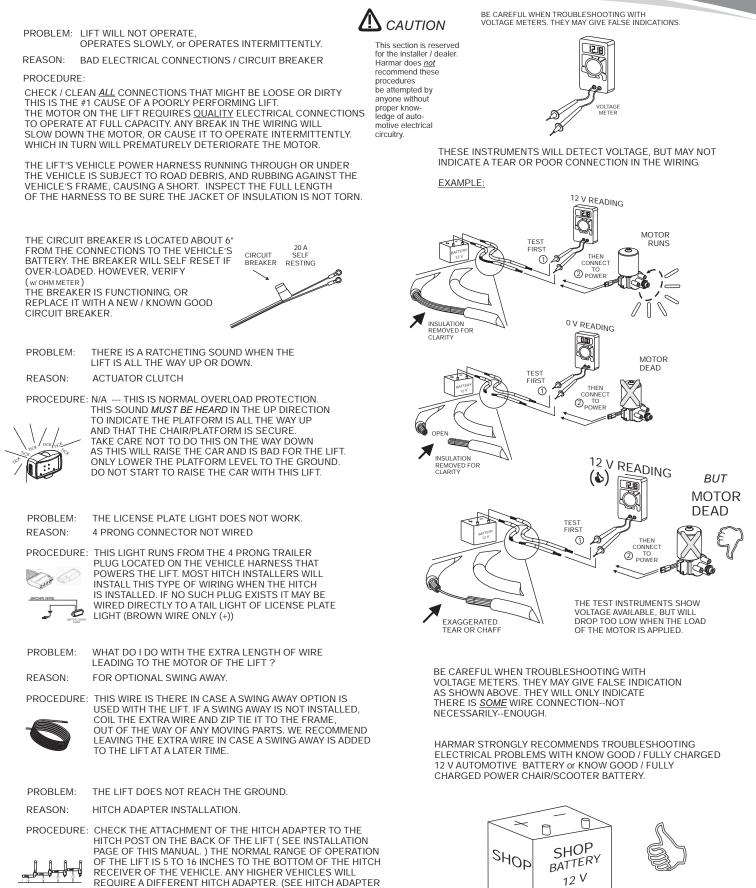
Check for paint chips and touch up any bare metal with a good gloss black enamel or laquer to inhibit rust. This may be necessary more frequently when subject to salt air or road salt during winter months.



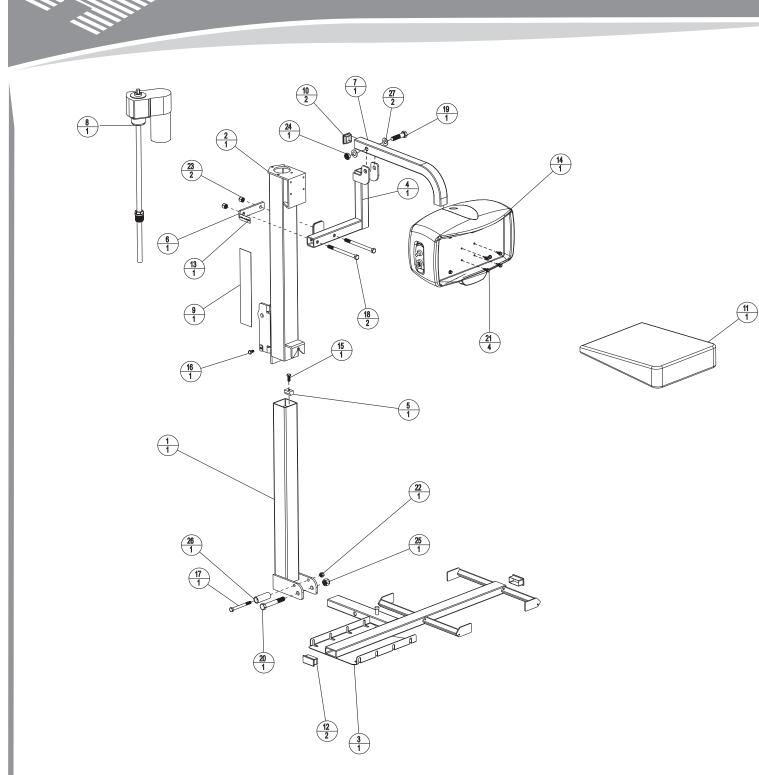
TROUBLESHOOTING

SECTION OF THIS MANUAL)





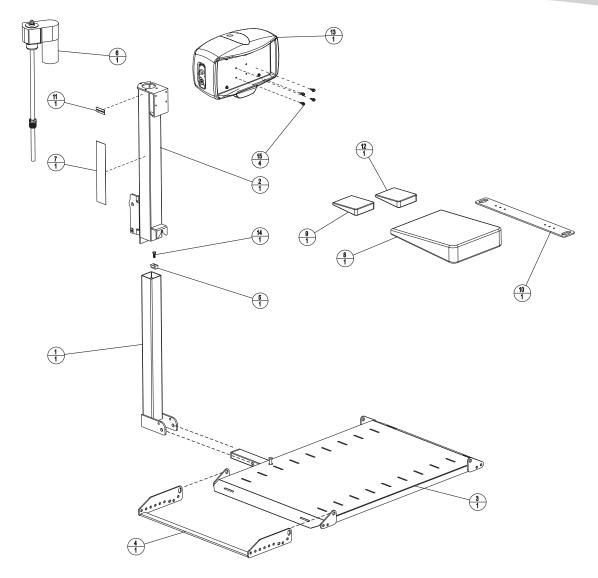
25



		ASSEMBLY PARTS ASSEMBLY PARTS					BLY PARTS
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION
1	1	201-2A03-C	INNER TUBE	15	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP
2	1	202-ZA03-C	OUTER TUBE	16	1	HHCS-0_25-280_50-Z	HEX HEAD, 1/4-28 x 0.50, ZP
3	1	203-ZA04-C	PLATFORM	17	1	HHCS-0_31-183_25-Z	HEX HEAD, 5/15-18 x 3.25, ZP
4	1	206-ZA04-C	HDA MOUNT	18	2	HHCS-0_37-165_00-Z	HEX HEAD, 3/8-16 x 5.00, ZP
5	1	500-2A03-A	LOCKING TAB - L.C. ACME ACTUATOR	19	1	HHCS-0_50-132_25-Z	HEX HEAD, 1/2-13 X 2.25 ZINC PLT
6	1	500-ZA04-C	BACKING PLATE	20	1	HHCS-0_50-133_50-Z	HEX HEAD, 1/2-13 x 3.50, ZP
7	1	501-ZA04-C	HOLD DOWN ARM	21	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP
8	1	800-2A03-A	L.C. ACME ACTUATOR	22	1	NUT-0_31-18-NYLOCK-Z	NUT, NYLOCK, 5/16-18, ZP
9	1	ALA10095	STICKER, OUTSIDE LIFT	23	2	NUT-0_37-16-NYLOCK-Z	NUT, NYLOCK, 3/8-16, ZP
10	2	ALA125SPI	INSERTS, 1 1/4 BLACK PLASTIC	24	1	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP
11	1	ALA180	HARDWARE PACK	25	1	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP
12	2	ALA60085	CAP FOR 1 X 2 TUBE	26	1	TU1-062-095-2_20C	TUBING, 5/8" OD x 0.095wall x 2.20"L
13	1	ALA99995	LABEL, SERIAL NUMBER	27	2	WASH-0_52-0_970_04-BS-SS	WASHER, BELLEVILLE, 1/2 ID, SS
14	1	200-2A01-A	MOTOR COVER ASSEMBLY				

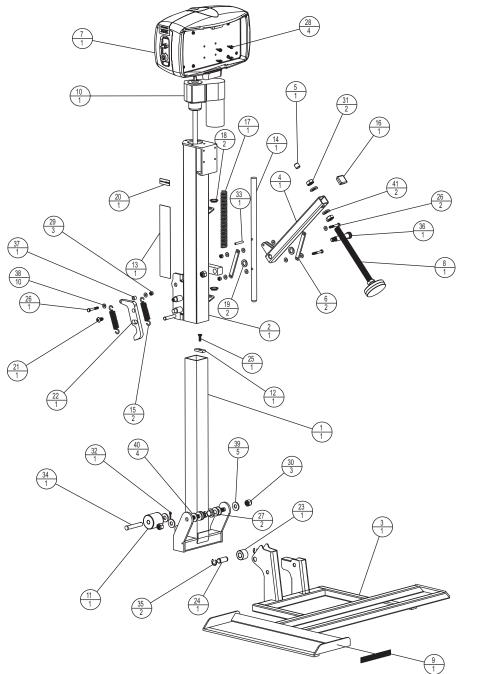
EXPLODED VIEW - AL010/050





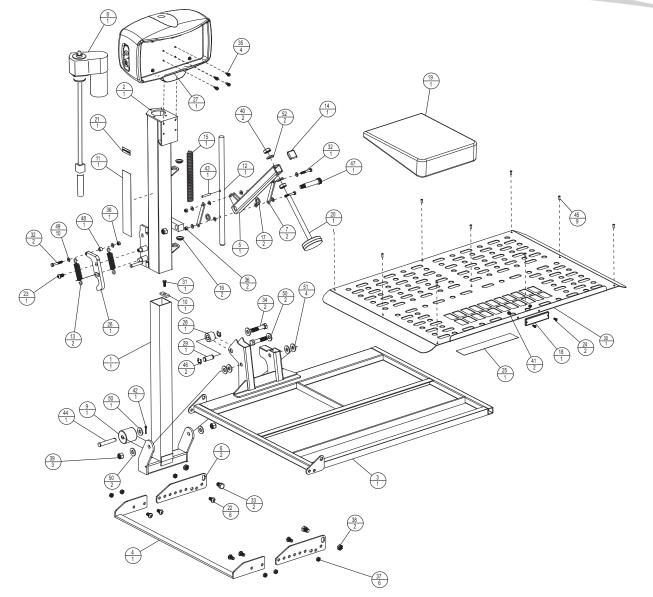
	ASSEMBLY PARTS						
ITEM	QTY	PART NO.	DESCRIPTION				
1	1	201-2A03-C	INNER TUBE				
2	1	202-ZA03-C	OUTER TUBE				
3	1	203-ZA03-C	PLATFORM				
4	1	204-ZA03-C	SPREADER BAR				
5	1	500-2A03-A	LOCKING TAB - L.C. ACME ACTUATOR				
6	1	800-2A03-A	L.C. ACME ACUTATOR				
7	1	ALA10095	STICKER, OUTSIDE LIFT				
8	1	ALA180	HARDWARE PACK				
9	1	ALA580	U-BOLT HARDWARE KIT				
10	1	ALA58040C	ANCHOR PLATE				
11	1	ALA99995	LABEL, SERIAL NUMBER				
12	1	H00-1A03-A	HARDWARE PACK				
13	1	200-2A01-A	MOTOR COVER ASSEMBLY				
14	1	HHCS-0_25-20-0_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP				
15	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP				



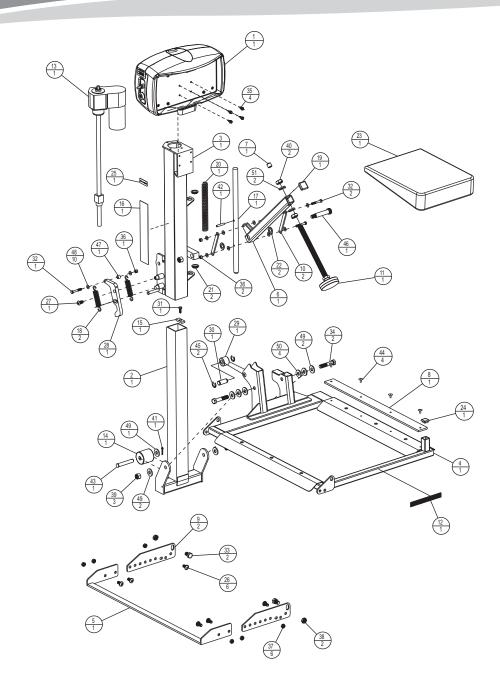


	ASSEMBLY PARTS					ASSEMBLY PARTS		
ITEM	QTY	PART NO.	DESCRIPTION	ITEM		PART NO.	DESCRIPTION	
1	1	201-ZA06-C	INNER TUBE	21	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	
2	1	202-ZA06-C	OUTER TUBE	22	1	H11010	J-CAM	
3	1	203-2A39-C	GO GO ES PLATFORM	23	1	H14044	ROLLER	
4	1	205-3A06-C	HOLD DOWN ARM	24	1	H14045	CLEVIS PIN	
5	1	400-2A06-A	VINYL CAP FOR 1/2 OD STUD	25	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP	
6	2	502-ZA06-C	BAR, LINK, 3/16"	26	3	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP	
7	1	200-2A01-A	MOTOR COVER, ASSEMBLY, OUTSIDE LIFTS	27	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP	
8	1	903-2A36-A	LONG HOLD DOWN FOOT	28	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP	
9	1	903-3A03-A	.75" X 6.00" RED REFLECTIVE STICKER	29	3	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP	
10	1	ALA10010REV2	L.C. ACME ACTUATOR	30	3	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP	
11	1	ALA10032	ROLLER 2" DIA UHMW	31	2	NUT-0_62-11-JAM-Z	NUT, JAM, 5/8-11, ZP	
12	1	ALA10050	TAB. ACTUATOR	32	1	PIN-0_121_50-CO-SS	COTTER PIN	
13	1	ALA10095	STICKER. OUTSIDE LIFT	33 34	1	PIN-0_251_50-RP-Z PIN-0_503_00-CL-Z	ROLL PIN, 1/4 X 1.50, SPLIT, ZP CLEVIS PIN. 1/2" x 3" L, ZP	
14	1	ALA108-PLT	HOLD DOWN ARM ROD	34	1	RR-0 62-EC-Z	E-CLIP. 5/8" SHAFT	
15	2	ALA11025	EXTENSION SPRING	36	1	SHSB-0 622 50-Z	SHOULDER BOLT. 5/8 DIA x 2.50. ZP	
16	1	ALA125SPI	INSERTS, 1 1/4 BLACK PLASTIC	37	1	SPCR-0 25-0 500 31-N	SPACER. 1/4", for CAM SPRINGS	
17	1	ALA13025	COMPRESSION SPRING	38	10	WASH-0 25-0 620 04-RH-SS	WASHER, FLAT, 1/4", SS	
18	2	ALA13030	NYLINEAR BEARINGS - 3/4"	39	5	WASH-0 50-1 060 08-RH-SS	WASHER, FLAT, 1/2", SS	
19	2	ALA13050P	HOLD DOWN ARM WASHER	40	4	WASH-0 50-1 500 12-N	WASHER, FLAT, 1/2", NYLON	
20	1	ALA99995	LABEL, SERIAL NUMBER	41	2	WASH-0_62-1_080_15-SL-Z	WASHER, SPLIT-LOCK, 5/8 , ZP	



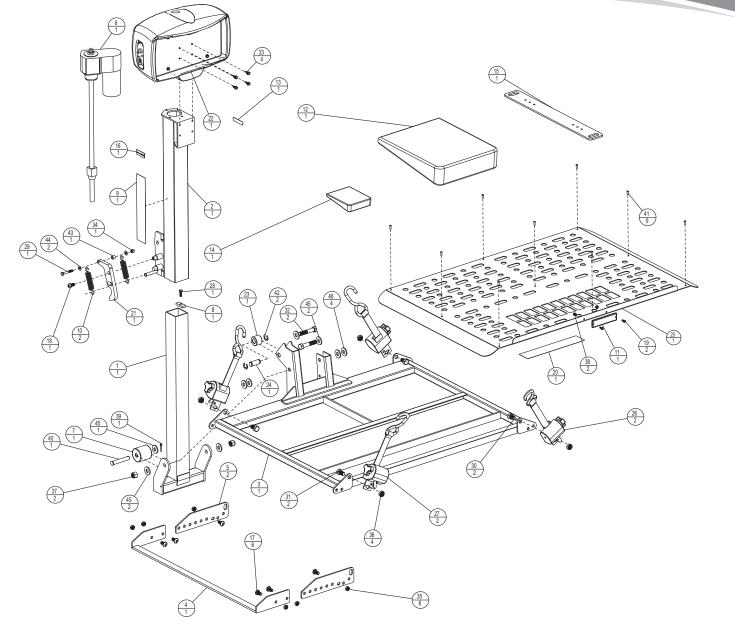


	ASSEMBLY PARTS			ASSEMBLY PARTS				
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION	
1	1	201-ZA06-C	INNER TUBE	27	1	200-2A01-A	MOTOR COVER ASSEMBLY	
2	1	202-ZA06-C	OUTER TUBE	28	1	H14044	ROLLER	
3	1	203-ZA06-C	PLATFORM	29	1	H14045	CLEVIS PIN	
4	1	204-ZA06-C	EXTENDED CRADLE BAR	30	1	H14407	ALUMINUM PLATE	
5	1	205-ZA06-C	HOLD DOWN ARM	31	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP	
6	2	501-ZA06-C	SPREADER BAR BRACKET	32	3	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP	
7	2	502-ZA06-C	BAR, LINK, 3/16"	33	2	HHCS-0_50-130_75-Z	HEX HEAD, 1/2-13 x 0.75, ZP	
8	1	ALA10010REV2	ACUTATOR	34	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP	
9	1	ALA10032	ROLLER 2" DIA UHMW	35	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP	
10	1	ALA10050	TAB, ACTUATOR	36	3	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP	
11	1	ALA10095	STICKER, OUTSIDE LIFT	37	6	NUT-0_37-16-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 3/8-16, ZP	
12	1	ALA108-PLT	HOLD DOWN ARM ROD	38	2	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP	
13	2	ALA11025	EXTENSION SPRING	39	3	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP	
14	1	ALA125SPI	INSERTS, 1 1/4 BLACK PLASTIC	40	2	NUT-0_62-11-JAM-Z	NUT, JAM, 5/8-11, ZP	
15	1	ALA13025	COMPRESSION SPRING	41	2	NUT-10-24-NYLOCK-Z	NUT, NYLOCK, #10-24, ZP	
16	2	ALA13030	NYLINEAR BEARINGS - 3/4"	42	1	PIN-0_121_50-CO-SS	COTTER PIN	
17	2	ALA13050P	HOLD DOWN ARM WASHER	43	1	PIN-0_181_50-RP-Z	ROLL PIN, 3/16, SPLIT, ZP	
18	1	ALA14096	RED REFLECTOR	44	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP	
19	1	ALA180	HARDWARE PACK	45	9	RIV-188-SS	RIVET	
20	1	ALA18020	HOLD DOWN FOOT	46	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT	
21	1	ALA99995	LABEL, SERIAL NUMBER	47	1	SHSB-0_622_50-Z	SHOULDER BOLT, 5/8 DIA x 2.50, ZP	
22	6	BHCS-0_37-160_75-SS	BUTTON HEAD, 3/8-16 x 0.75, SS	48	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS	
23	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	49	10	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS	
24	2	BHCS-10-240_50-SS	BUTTON HEAD, #10-24 X 0.50, SS	50	5	WASH-0_50-1_060_08-RH-SS	WASHER, FLAT, 1/2", SS	
25	1	H10096	STICKER, PLATFORM	51	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON	
26	1	H11010	J-CAM	52	2	WASH-0_62-1_080_15-SL-Z	WASHER, SPLIT-LOCK, 5/8 , ZP	



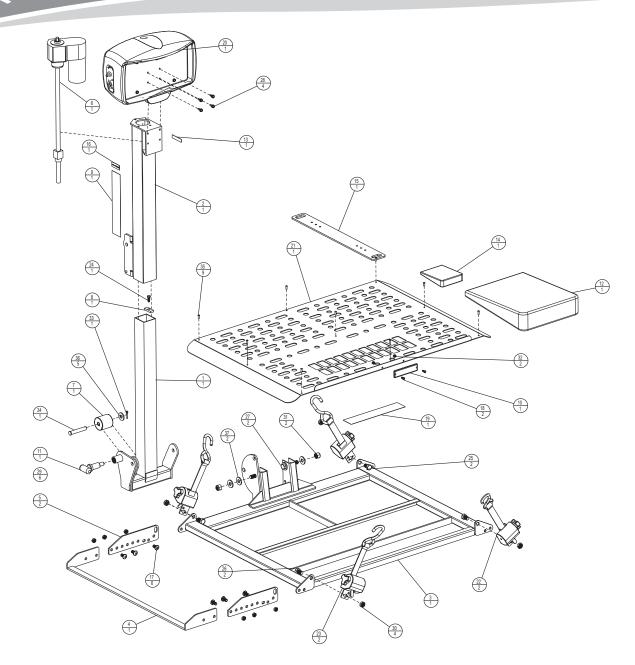
	ASSEMBLY PARTS			ASSEMBLY PARTS			MBLY PARTS
ITEM	OTY	PART NO.	DESCRIPTION	ITEM	OTY	PART NO.	DESCRIPTION
1	1	200-2A01-A	MOTOR COVER, ASSEMBLY, OUTSIDE LIFTS	26	6	BHCS-0 37-160 75-SS	BUTTON HEAD, 3/8-16 x 0.75, SS
2	1	201-ZA06-C	INNER TUBE	27	1	BHCS-0 37-161 00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS
3	1	202-ZA06-C	OUTER TUBE	28	1	H11010	J-CAM
4	1	203-2A36-C	AL160 PLATFORM	29	1	H14044	ROLLER
5	1	204-ZA06-C	EXTENDED CRADLE BAR	30	1	H14045	CLEVIS PIN
6	1	205-3A06-C	HOLD DOWN ARM	31	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP
7	1	400-2A06-A	VINYL CAP FOR 1/2 OD STUD	32	3	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP
8	1	400-2A36-A	RUBBER STRIP FOR AL160	33	2	HHCS-0_50-130_75-Z	HEX HEAD, 1/2-13 x 0.75, ZP
9	2	501-ZA06-C	SPREADER BAR BRACKET	34	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP
10	2	502-ZA06-C	BAR, LINK, 3/16"	35	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP
11	1	903-2A36-A	LONG HOLD DOWN FOOT	36	3	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP
12	1	903-3A03-A	.75" X 6.00" RED REFLECTIVE STICKER	37	6	NUT-0_37-16-NYLOCK-NTE-Z	NYLOCK NUT, THIN, 3/8-16, ZP
13	1	ALA10010REV2	ACUTATOR	38	2	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP
14	1	ALA10032	ROLLER 2" DIA UHMW	39	3	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP
15	1	ALA10050	TAB. ACTUATOR	40	2	NUT-0_62-11-JAM-Z	NUT, JAM, 5/8-11, ZP
16	1	ALA10095	STICKER, OUTSIDE LIFT	41	1	PIN-0_121_50-CO-SS	COTTER PIN
17	1	ALA108-PLT	HOLD DOWN ARM ROD	42	1	PIN-0_251_50-RP-Z	ROLL PIN, 1/4 X 1.50, SPLIT, ZP
18	2	ALA11025	EXTENSION SPRING	43	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP
19	1	ALA125SPI	INSERTS, 1 1/4 BLACK PLASTIC	44	4	RIV-0_18-0_57-0_65-SS	3/16" RIVET .575" LONG WITH .65" HEAD SS
20	1	ALA13025	COMPRESSION SPRING	45	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT
21	2	ALA13030	NYLINEAR BEARINGS - 3/4"	46	1	SHSB-0_622_50-Z	SHOULDER BOLT, 5/8 DIA x 2.50, ZP
22	2	ALA13050P	HOLD DOWN ARM WASHER	47	1	SPCR-0 25-0 500 31-N	SPACER, 1/4", for CAM SPRINGS
23	1	ALA180	HARDWARE PACK	48	10	WASH-0 25-0 620 04-RH-SS	WASHER, FLAT, 1/4", SS
24	1	ALA25025FP	(CAPLUGS# FP1-161 39276AB)	49	5	WASH-0 50-1 060 08-RH-SS	WASHER, FLAT, 1/2", SS
25	1	AL A99995	LABEL SERIAL NUMBER	50	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON
- 25		712703030		51	2	WASH-0_62-1_080_15-SL-Z	WASHER, SPLIT-LOCK, 5/8 , ZP





	ASSEMBLY PARTS					ASSEMBLY PARTS				
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION			
1	1	201-ZA06-C	INNER TUBE	24	1	H14045	CLEVIS PIN			
2	1	202-ZA10-C	OUTER TUBE	25	1	H14407	ALUMINUM PLATE			
3	1	203-ZA10-C	PLATFORM	26	2	H50010B	LEFT HAND, Q-STRAINT - BLUE			
4	1	204-ZA06-C	EXTENDED CRADLE BAR	27	2	H50011B	RIGHT HAND, Q-STRIANT - BLUE			
5	2	501-ZA06-C	SPREADER BAR BRACKET	28	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP			
6	1	ALA10010REV2	ACUTATOR	29	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP			
7	1	ALA10032	ROLLER 2" DIA UHMW	30	2	HHCS-0_50-130_75-Z	HEX HEAD, 1/2-13 x 0.75, ZP			
8	1	ALA10050	TAB, ACTUATOR	31	2	HHCS-0_50-130_87-Z	HEX HEAD, 1/2-13 X 0.88, ZP			
9	1	ALA10095	STICKER, OUTSIDE LIFT	32	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP			
10	2	ALA11025	EXTENSION SPRING	33	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP			
11	1	ALA14096	RED REFLECTOR	34	1	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP			
12	1	ALA180	HARDWARE PACK	35	6	NUT-0_37-16-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 3/8-16, ZP			
13	1	ALA50099	PATENT STICKER	36	4	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP			
14	1	ALA580	U-BOLT HARDWARE KIT	37	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP			
15	1	ALA58040C	ANCHOR PLATE	38	2	NUT-10-24-NYLOCK-Z	NUT, NYLOCK, #10-24, ZP			
16	1	ALA99995	LABEL, SERIAL NUMBER	39	1	PIN-0_121_50-CO-SS	COTTER PIN			
17	6	BHCS-0_37-160_75-SS	BUTTON HEAD, 3/8-16 x 0.75, SS	40	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP			
18	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	41	9	RIV-188-SS	RIVET			
19	2	BHCS-10-240_50-SS	BUTTON HEAD, #10-24 X 0.50, SS	42	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT			
20	1	H10096	STICKER, PLATFORM	43	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS			
21	1	H11010	J-CAM	44	2	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS			
22	1	200-2A01-A	MOTOR COVER ASSEMBLY	45	5	WASH-0_50-1_060_08-RH-SS	WASHER, FLAT, 1/2", SS			
23	1	H14044	ROLLER	46	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON			

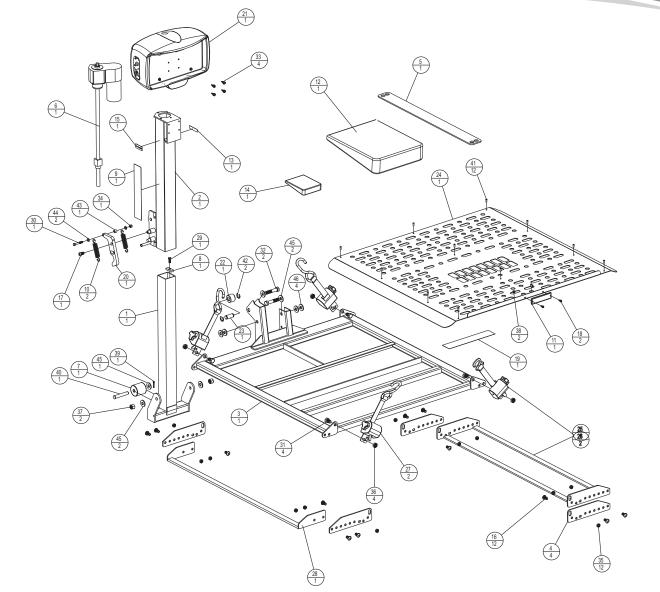
EXPLODED VIEW - AL300RV



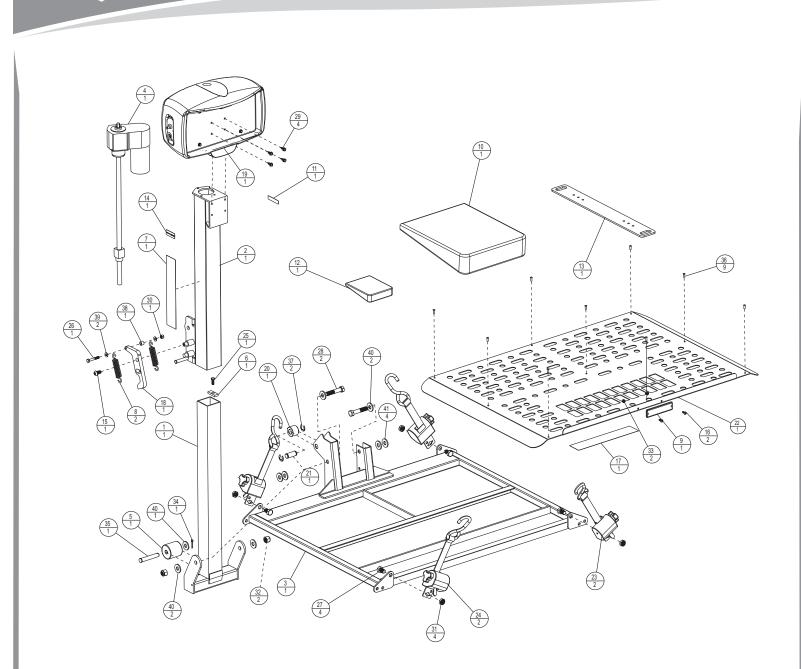
ASSEMBLY PARTS					ASSEMBLY PARTS			
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION	
1	1	201-ZA08-C	INNER TUBE	20	1	200-2A01-A	MOTOR COVER ASSEMBLY	
2	1	202-ZA08-C	OUTER TUBE	21	1	H14407	ALUMINUM PLATE	
3	1	203-ZA08-C	PLATFORM	22	2	H50010B	LEFT HAND, Q-STRAINT - BLUE	
4	1	204-ZA06-C	EXTENDED CRADLE BAR	23	2	H50011B	RIGHT HAND, Q-STRIANT - BLUE	
5	2	501-ZA06-C	SPREADER BAR BRACKET	24	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP	
6	1	ALA10010REV2	ACUTATOR	25	2	HHCS-0 50-130 75-Z	HEX HEAD, 1/2-13 x 0.75, ZP	
7	1	ALA10032	ROLLER 2" DIA UHMW	26	2	HHCS-0 50-130 87-Z	HEX HEAD. 1/2-13 X 0.88. ZP	
8	1	ALA10050	TAB, ACTUATOR	27	2	HHCS-0 50-13-2 50-Z	HEX HEAD. 1/2-13 x 2.50. ZP	
9	1	ALA10095	STICKER, OUTSIDE LIFT	28	4	HHTS-12-140_75-Z	HEX WASHER. #12-14 SELF DRILL. 3/4" L. ZP	
10	1	ALA14096	RED REFLECTOR	29	6	NUT-0_37-16-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 3/8-16, ZP	
11	1	ALA15152R1	T-HANDLE 1/2" SPRING PIN ASSY	-	0	_		
12	1	ALA180	HARDWARE PACK	30	4	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP	
13	1	ALA50099	PATENT STICKER	31	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP	
14	1	ALA580	U-BOLT HARDWARE KIT	32	2	NUT-10-24-NYLOCK-Z	NUT, NYLOCK, #10-24, ZP	
15	1	ALA58040C	ANCHOR PLATE	33	1	PIN-0_121_50-CO-SS	COTTER PIN	
16	1	ALA99995	LABEL, SERIAL NUMBER	34	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP	
17	6	BHCS-0_37-160_75-SS	BUTTON HEAD, 3/8-16 x 0.75, SS	35	9	RIV-188-SS	RIVET	
18	2	BHCS-10-240_50-SS	BUTTON HEAD, #10-24 X 0.50, SS	36	5	WASH-0_50-1_060_08-RH-SS	WASHER, FLAT, 1/2", SS	
19	1	H10096	STICKER, PLATFORM	37	2	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON	

EXPLODED VIEW - AL301XL



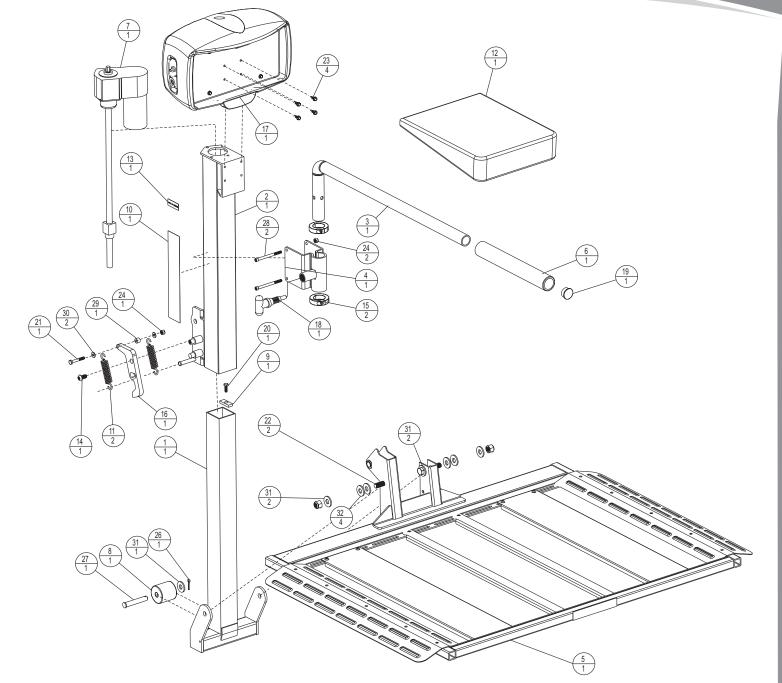


ASSEMBLY PARTS					ASSEMBLY PARTS				
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION		
1	1	201-ZA06-C	INNER TUBE	24	1	H30110	ALUMINUM SKIN 301XL		
2	1	202-ZA10-C	OUTER TUBE	25	1	H30151	AL301XL FRONT WHEEL CRADLE		
3	1	203-ZA09-C	PLATFORM	26	2	H50010B	LEFT HAND, Q-STRAINT - BLUE		
4	4	501-ZA06-C	SPREADER BAR BRACKET	27	2	H50011B	RIGHT HAND, Q-STRIANT - BLUE		
5	1	AL591	ANCHOR PLATE, 27.00	28	1	H52303XL	AL301XL EXTENDED CRADLE BAR		
6	1	ALA10010REV2	ACUTATOR	29	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP		
7	1	ALA10032	ROLLER 2" DIA UHMW	30	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP		
8	1	ALA10050	TAB, ACTUATOR	31	4	HHCS-0_50-130_75-Z	HEX HEAD, 1/2-13 x 0.75, ZP		
9	1	ALA10095	STICKER, OUTSIDE LIFT	32	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP		
10	2	ALA11025	EXTENSION SPRING	33	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP		
11	1	ALA14096	RED REFLECTOR	34	1	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP		
12	1	ALA180	HARDWARE PACK	35	12	NUT-0_37-16-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 3/8-16, ZP		
13	1	ALA50099	PATENT STICKER	36	4	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP		
14	1	ALA580	U-BOLT HARDWARE KIT	37	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP		
15	1	ALA99995	LABEL, SERIAL NUMBER	38	2	NUT-10-24-NYLOCK-Z	NUT, NYLOCK, #10-24, ZP		
16	12	BHCS-0_37-160_75-SS	BUTTON HEAD, 3/8-16 x 0.75, SS	39	1	PIN-0_121_50-CO-SS	COTTER PIN		
17	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	40	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP		
18	2	BHCS-10-240_50-SS	BUTTON HEAD, #10-24 X 0.50, SS	41	12	RIV-188-SS	RIVET		
19	1	H10096	STICKER, PLATFORM	42	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT		
20	1	H11010	J-CAM	43	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS		
21	1	200-2A01-A	MOTOR COVER ASSEMBLY	44	2	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS		
22	1	H14044	ROLLER	45	5	WASH-0_50-1_060_08-RH-SS	WASHER, FLAT, 1/2", SS		
23	1	H14045	CLEVIS PIN	46	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON		



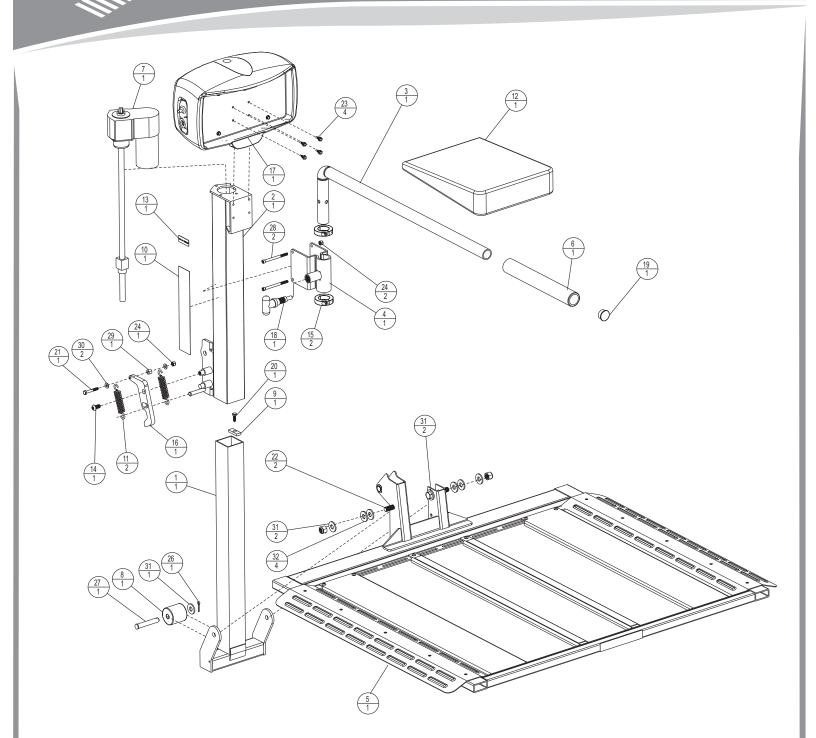
	ASSEMBLY PARTS					ASSEMBLY PARTS			
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION		
1	1	201-ZA06-C	INNER TUBE	22	1	H14407	ALUMINUM PLATE		
2	1	202-ZA10-C	OUTER TUBE	23	2	H50010B	LEFT HAND, Q-STRAINT - BLUE		
3	1	203-ZA10-C	PLATFORM	24	2	H50011B	RIGHT HAND, Q-STRIANT - BLUE		
4	1	ALA10010REV2	ACUTATOR	25	1	HHCS-0 25-200 75-NP-Z	HEX HEAD. 1/4-20 x 0.75. ZP		
5	1	ALA10032	ROLLER 2" DIA UHMW	26	1	HHCS-0 25-201 75-Z	HEX HEAD. 1/4-20 x 1.75. ZP		
6	1	ALA10050	TAB, ACTUATOR	27	4	HHCS-0 50-130 75-Z	HEX HEAD, 1/2-13 x 0.75, ZP		
7	1	ALA10095	STICKER, OUTSIDE LIFT	28	2	HHCS-0 50-132 50-Z	HEX HEAD. 1/2-13 x 2.50. ZP		
8	2	ALA11025	EXTENSION SPRING	20	4	HWTS-140 75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP		
9	1	ALA14096	RED REFLECTOR		4		1 20 1 31 31 3		
10	1	ALA180	HARDWARE PACK	30	1	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP		
11	1	ALA50099	PATENT STICKER	31	4	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP		
12	1	ALA580	U-BOLT HARDWARE KIT	32	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP		
13	1	ALA58040C	ANCHOR PLATE	33	2	NUT-10-24-NYLOCK-Z	NUT, NYLOCK, #10-24, ZP		
14	1	ALA99995	LABEL, SERIAL NUMBER	34	1	PIN-0_121_50-CO-SS	COTTER PIN		
15	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	35	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP		
16	2	BHCS-10-240_50-SS	BUTTON HEAD, #10-24 X 0.50, SS	36	9	RIV-188-SS	RIVET		
17	1	H10096	STICKER, PLATFORM	37	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT		
18	1	H11010	J-CAM	38	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS		
19	1	200-2A01-A	MOTOR COVER ASSEMBLY	39	2	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS		
20	1	H14044	ROLLER	40	5	WASH-0 50-1 060 08-RH-SS	WASHER, FLAT, 1/2", SS		
21	1	H14045	CLEVIS PIN	41	4	WASH-0 50-1 50-0 12-N	WASHER, FLAT, 1/2", NYLON		





ASSEMBLY PARTS			ASSEMBLY PARTS				
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION
1	1	201-ZA06-C	INNER TUBE	17	1	200-2A01-A	MOTOR COVER ASSEMBLY
2	1	202-ZA10-C	OUTER TUBE	18	1	H56069R1	T-HANDLE SPRING PIN ASSY 3/8" PIN, BLUE
3	1	205-ZA13-C	HOLD DOWN ARM	19	1	H752102	1.25 DIAMETER END CAP
4	1	206-ZA13-C	FORMED HOLD DOWN ARM BRACKET	20	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP
5	1	210-ZA13-A	PLATFORM ASSEMBLY	21	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP
6	1	ALA03059	FOAM RUBBER GRIP 12in LONG	22	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP
7	1	ALA10010REV2	ACUTATOR	23	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP
8	1	ALA10032	ROLLER 2" DIA UHMW	24	3	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP
9	1	ALA10050	TAB, ACTUATOR	25	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP
10	1	ALA10095	STICKER, OUTSIDE LIFT	26	1	PIN-0_121_50-CO-SS	COTTER PIN
11	2	ALA11025	EXTENSION SPRING	27	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP
12	1	ALA180	HARDWARE PACK	28	2	SHCS-0_25-203_25-Z	SHCS, 1/4-20 x 3-1/4", ZP
13	1	ALA99995	LABEL, SERIAL NUMBER	29	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS
14	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	30	2	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS
15	2	COLLAR-1_25-SH-OP-Z	SHAFT COLLAR, 1-1/4" BORE	31	5	WASH-0_50-1_060_08-RH-SS	WASHER, FLAT, 1/2", SS
16	1	H11010	J-CAM	32	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON

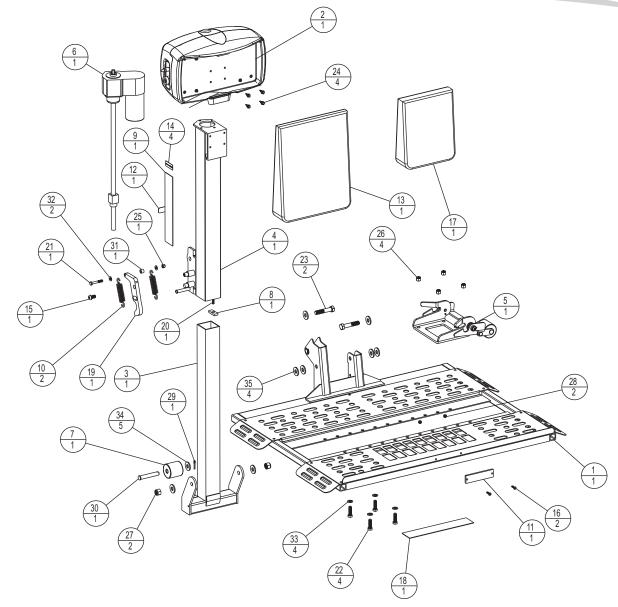
EXPLODED VIEW - AL560XL



			ASSEMBLY PARTS	ASSEMBLY PARTS				
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION	
1	1	201-ZA06-C	INNER TUBE	17	1	200-2A01-A	MOTOR COVER ASSEMBLY	
2	1	202-ZA10-C	OUTER TUBE	18	1	H56069R1	T-HANDLE SPRING PIN ASSY 3/8" PIN, BLUE	
3	1	205-ZA14-C	HOLD DOWN ARM	19	1	H752102	1.25 DIAMETER END CAP	
4	1	206-ZA13-C	FORMED HOLD DOWN ARM BRACKET	20	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP	
5	1	210-ZA14-A	PLATFORM ASSEMBLY	21	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP	
6	1	ALA03059	FOAM RUBBER GRIP 12in LONG	22	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP	
7	1	ALA10010REV2	ACUTATOR	23	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP	
8	1	ALA10032	ROLLER 2" DIA UHMW	24	3	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP	
9	1	ALA10050	TAB, ACTUATOR	25	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP	
10	1	ALA10095	STICKER, OUTSIDE LIFT	26	1	PIN-0_121_50-CO-SS	COTTER PIN	
11	2	ALA11025	EXTENSION SPRING	27	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP	
12	1	ALA180	HARDWARE PACK	28	2	SHCS-0_25-203_25-Z	SHCS, 1/4-20 x 3-1/4", ZP	
13	1	ALA99995	LABEL, SERIAL NUMBER	29	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS	
14	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	30	2	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS	
15	2	COLLAR-1_25-SH-OP-Z	SHAFT COLLAR, 1-1/4" BORE	31	5	WASH-0_50-1_060_08-RH-SS	WASHER, FLAT, 1/2", SS	
16	1	H11010	J-CAM	32	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON	

EXPLODED VIEW - AL570





ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION
1	1	200-1A15-A	PLATFORM ASSEMBLY	18	1	H10096	STICKER, "HARMAR"
2	1	200-2A01-A	MOTOR COVER, ASSEMBLY, OUTSIDE LIFTS	19	1	H11010	J CAM
3	1	201-ZA06-C	NARROW INNER TUBE	20	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 X 0.75, ZP
4	1	202-ZA10-C	OUTER TUBE	21	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 X 1.75, ZP
5	1	240-1A15-A	DOCK AND LOCK ASSEMBLY	22	4	HHCS-0_37-161_25-Z	HEX HEAD, 3/8-16 X 1.25, ZP
6	1	ALA10010REV2	ACUTATOR	23	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 X 2.50, ZP
7	1	ALA10032	ROLLER 2" DIA UHMW	24	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 3/4" L, ZP
				25	1	NUT-0_25-20-NYLOCK-Z	NUT - NYLOCK, 1/4-20, ZP
8	1	ALA10050	TAB, ACTUATOR	26	4	NUT-0_37-16-NYLOCK-Z	NUT - NYLOCK, 3/8-16 ZP
9	1	ALA10095	OUTSIDER STICKER	27	2	NUT-0 50-13-NYLOCK-Z	NUT - NYLOCK, 1/2-13, ZP
10	2	ALA11025	EXTENSION SPRING	28	2	NUT-10-24-NYLOCK-Z	NUT, NYLOCK, 10-24, ZP
11	1	ALA14096	RED REFLECTOR	29	1	PIN-0 121 50-CO-SS	COTTER PIN. SS
12	1	ALA17095	LABEL, PATENT PENDING	30	1	PIN-0 503 00-CL-Z	CLEVIS PIN, 1/2" X 3.00, ZP
13	1	ALA180	HARDWARE PACK		1		
15	1	ALA 100	HARDWARE PACK	31	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", FOR CAM SPRINGS
14	4	ALA99995	LABEL, SERIAL NUMBER	32	2	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS
15	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 X 0.75 SS	33	4	WASH-0_37-0_620_06-RH-SS	WASHER, FLAT, 3/8", SS
16	2	BHCS-10-240_75-SS	BUTTON HEAD, 10-24 X 0.75, SS	34	5	WASH-0_50-1_060_08-RH-Z	WASHER, FLAT, 1/2", Z
17	1	H00-1A15-A	DNL HARDWARE PACK	35	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON

EXPLODED VIEW - AL570XL

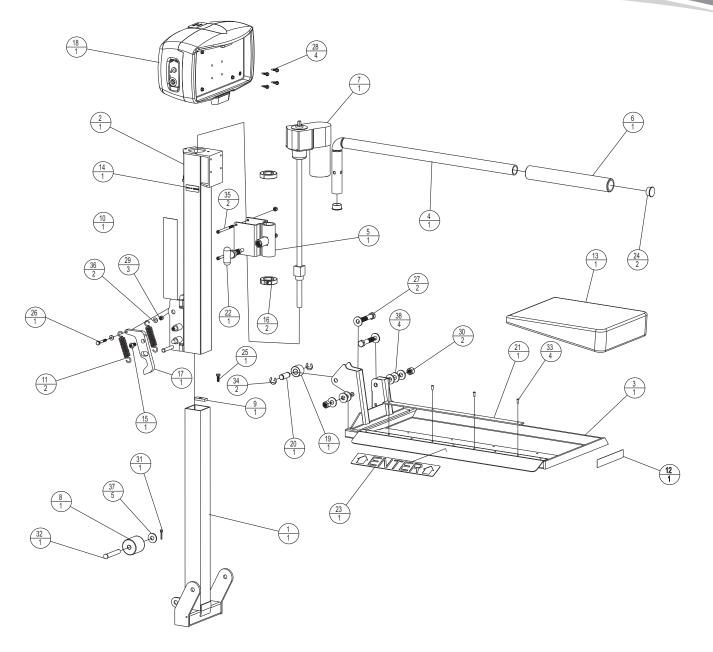


19 15 $\begin{pmatrix} 2\\ 1 \end{pmatrix}$ 29 $\begin{pmatrix} 5\\ 1 \end{pmatrix}$ 25 2 26 16 5000 6 $\begin{pmatrix} 37\\ 4 \end{pmatrix}$ 8 $\begin{pmatrix} 35\\ 4 \end{pmatrix}$ 14 0-----Û $\begin{pmatrix} 24\\ 4 \end{pmatrix}$ (34) (23) (1) 33 00 $\frac{4}{1}$ 27 18 2117 $\begin{pmatrix} 12\\ 3 \end{pmatrix}$ 10 20 $\begin{pmatrix} 3\\ 1 \end{pmatrix}$ 13 1 28 31 $\begin{array}{c} 9 \\ 1 \\ 32 \\ 1 \end{array}$ 36 5 (22) 4 <u>30</u> 2 - O 0-6

		ASSEMBLY	PARTS][ASSEMBLY P	ARTS
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION
1	1	200-1A16-A	PLATFORM ASSEMBLY	19	1	H00-1A16-A	DNL HARDWARE PACK
2	1	200-2A01-A	MOTOR COVER, ASSEMBLY, OUTSIDE LIFTS	20	1	H11010	J CAM
3	1	201-ZA06-C	NARROW INNER TUBE	21	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 3/4"L, ZP
4	1	202-ZA10-C	OUTER TUBE	22	4	HHCS-0_25-200_75-Z	HEX HEAD, 1/4-20 x 0.75, ZP
5	1	240-1A15-A	DOCK AND LOCK ASSEMBLY	23	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75L, ZP
6	2	505-1A16-C	DNL BEAM	24	4	HHCS-0_37-161_50-Z	HEX HEAD, 3/8-16 x 1.50, ZP
7	1	515-1A16-C	CASTER BRACKET	25	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50L, ZP
8		ALA10010REV2	ACUTATOR	26	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 3/4" L, Z
-	1			27	5	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP
9	1	ALA10032	ROLLER 2" DIA UHMW	28	2	NUT-0_25-28-NYLOCK-Z	NUT, NYLOCK, 1/4-28, ZP
10	1	ALA10050	TAB, ACTUATOR	29	4	NUT-0_37-16-NYLOCK-Z	NUT, NYLOCK, 3/8-16 ZP, GRADE 5
11	1	ALA10095	STICKER, OUTSIDER	30	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP STEEL
12	3	ALA11025	EXTENSION SPRING	31	1	PIN-0_12-1_50-CO-SS	COTTER PIN, SS
13	1	ALA14095	RED RELECTIVE STICKER	32	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" X 3.00, ZP
14	1	ALA17095	LABEL, PATENT PENDING	33	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS
15	1	ALA180	HARDWARE PACK	34	2	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS
16	4	ALA99995	LABEL, SERIAL NUMBER	35	4	WASH-0_37-0_620_06-RH-SS	WASHER, FLAT, 3/8", SS
17	2	BHCS-0_25-281_00-SS	BUTTON HEAD, 1/4-28 X 1.00, SS	36	5	WASH-0_50-1_060_08-RH-Z	WASHER, FLAT, 1/2", Z
18	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 0.75 SS	37	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", PLASTIC

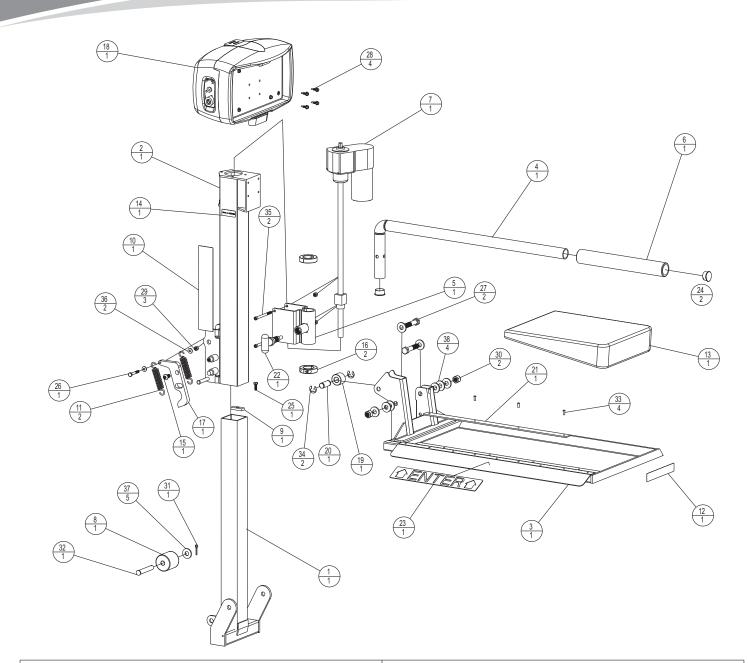
EXPLODED VIEW - AL580





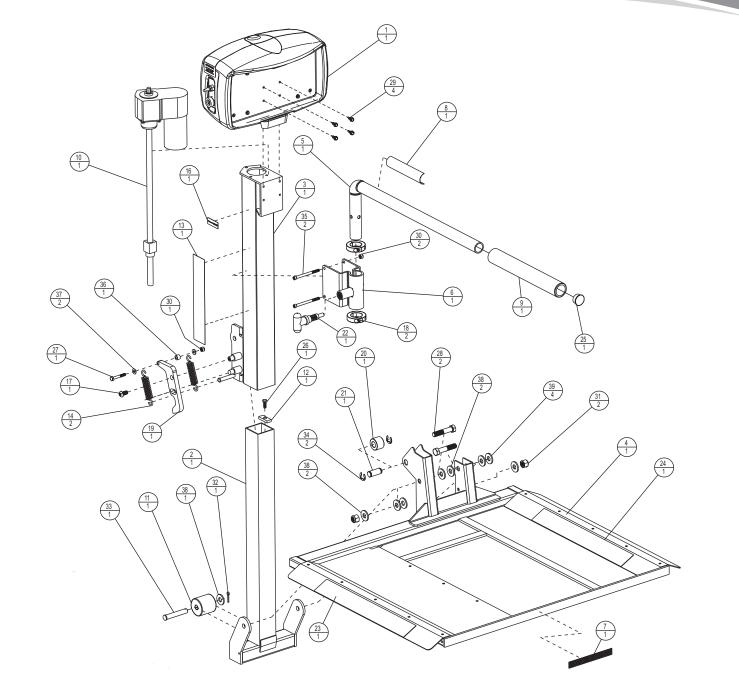
	ASSEMBLY PARTS				ASSEMBLY PARTS				
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION		
1	1	201-ZA06-C	INNER TUBE	20	1	H14045	CLEVIS PIN		
2	1	202-ZA10-C	OUTER TUBE	21	1	H530110	RAMP PAD		
3	1	203-ZG06-C	PLATFORM	22	1	H56069R1	T-HANDLE SPRING PIN ASSY 3/8" PIN, BLUE		
4	1	205-ZA13-C	HOLD DOWN ARM	23	1	H570101	"ENTER" STICKER		
5	1	206-ZA13-C	FORMED HOLD DOWN ARM BRACKET	24	2	H752102	1.25 DIAMETER END CAP		
6	1	ALA03059	FOAM RUBBER GRIP 12in LONG	25	1	HHCS-0_25-200_75-Z	HEX HEAD, 1/4-20 x 0.75, ZP		
7	1	ALA10010REV2	ACUTATOR	26	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP		
8	1	ALA10032	ROLLER 2" DIA UHMW	27	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP		
9	1	ALA10050	TAB, ACTUATOR	28	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP		
10	1	ALA10095	STICKER, OUTSIDE LIFT	29	3	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP		
11	2	ALA11025	EXTENSION SPRING	30	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP		
12	1	ALA14095	RED REFLECTIVE STICKER	31	1	PIN-0_121_50-CO-SS	COTTER PIN		
13	1	ALA180	HARDWARE PACK	32	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP		
14	1	ALA99995	LABEL, SERIAL NUMBER	33	4	RIV-188-SS	RIVET		
15	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	34	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT		
16	2	COLLAR-1_25-SH-OP-Z	SHAFT COLLAR, 1-1/4" BORE	35	2	SHCS-0_25-203_25-Z	SHCS, 1/4-20 x 3-1/4", ZP		
17	1	H11010	J-CAM	36	2	WASH-0_25-0_560_07-RH-SS	WASHER, FLAT, 1/4", SS		
18	1	200-2A01-A	MOTOR COVER ASSEMBLY	37	5	WASH-0_50-1_370_12-RH-SS	WASHER, FLAT, 1/2", SS		
19	1	H14044	ROLLER	38	4	WASH-0_50-1_500_12-RH-P	WASHER, FLAT, 1/2", PLASTIC		

EXPLODED VIEW - AL580XL



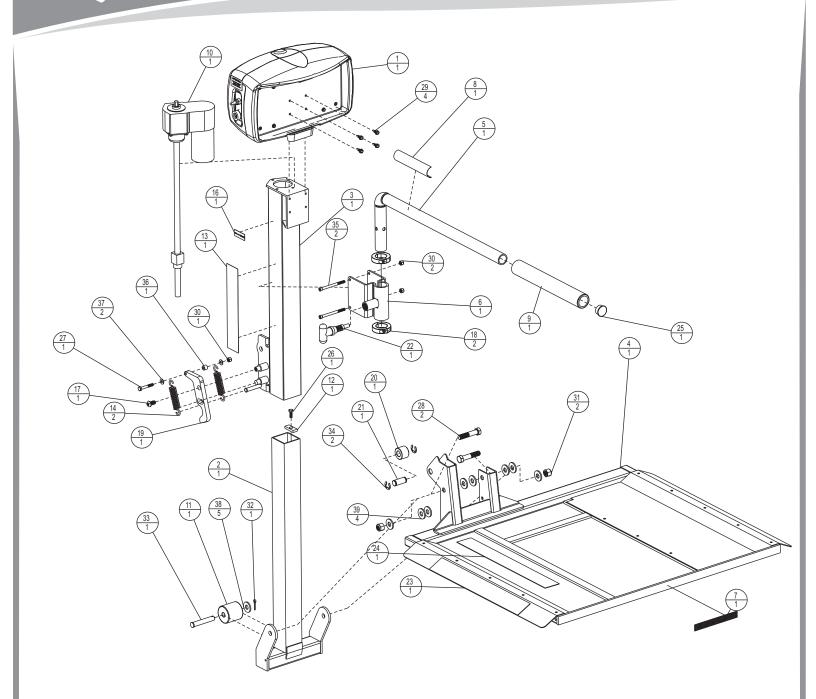
	ASSEMBLY PARTS				ASSEMBLY PARTS				
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION		
1	1	201-ZA06-C	INNER TUBE	20	1	H14045	CLEVIS PIN		
2	1	202-ZA10-C	OUTER TUBE	21	1	H530110	RAMP PAD		
3	1	203-ZG07-C	PLATFORM	22	1	H56069R1	T-HANDLE SPRING PIN ASSY 3/8" PIN, BLUE		
4	1	205-ZA13-C	HOLD DOWN ARM	23	1	H570101	"ENTER" STICKER		
5	1	206-ZA13-C	FORMED HOLD DOWN ARM BRACKET	24	2	H752102	1.25 DIAMETER END CAP		
6	1	ALA03059	FOAM RUBBER GRIP 12in LONG	25	1	HHCS-0_25-200_75-Z	HEX HEAD, 1/4-20 x 0.75, ZP		
7	1	ALA10010REV2	ACUTATOR	26	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP		
8	1	ALA10032	ROLLER 2" DIA UHMW	27	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP		
9	1	ALA10050	TAB, ACTUATOR	28	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP		
10	1	ALA10095	STICKER, OUTSIDE LIFT	29	3	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP		
11	2	ALA11025	EXTENSION SPRING	30	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP		
12	1	ALA14095	RED REFLECTIVE STICKER	31	1	PIN-0_121_50-CO-SS	COTTER PIN		
13	1	ALA180	HARDWARE PACK	32	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP		
14	1	ALA99995	LABEL, SERIAL NUMBER	33	4	RIV-188-SS	RIVET		
15	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	34	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT		
16	2	COLLAR-1_25-SH-OP-Z	SHAFT COLLAR, 1-1/4" BORE	35	2	SHCS-0_25-203_25-Z	SHCS, 1/4-20 x 3-1/4", ZP		
17	1	H11010	J-CAM	36	2	WASH-0_25-0_560_07-RH-SS	WASHER, FLAT, 1/4", SS		
18	1	200-2A01-A	MOTOR COVER ASSEMBLY	37	5	WASH-0_50-1_370_12-RH-SS	WASHER, FLAT, 1/2", SS		
19	1	H14044	ROLLER	38	4	WASH-0_50-1_500_12-RH-P	WASHER, FLAT, 1/2", PLASTIC		





			ASSEMBLY PARTS				ASSEMBLY PARTS
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION
1	1	200-2A01-A	MOTOR COVER, ASSEMBLY, OUTSIDE LIFTS	21	1	H14045	CLEVIS PIN
2	1	201-ZA06-C	INNER TUBE	22	1	H56069R1	T-HANDLE SPRING PIN ASSY 3/8" PIN, BLUE
3	1	202-ZA10-C	OUTER TUBE	23	1	H570101	"ENTER" STICKER
4	1	203-ZG04-C	PLATFORM	24	1	H570102	"PARK" STICKER
5	1	205-ZG04-C	HOLD DOWN ARM - TSS	25	1	H752102	1.25 DIAMETER END CAP
6	1	206-ZA13-C	FORMED HOLD DOWN ARM BRACKET	26	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP
7	1	903-3A03-A	.75" X 6.00" RED REFLECTIVE STICKER	27	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP
8	1	999-1A13-A	POWER CHAIR OFF STICKER	28	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP
9	1	ALA03059	FOAM RUBBER GRIP 12in LONG	29	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP
10	1	ALA10010REV2	ACTUATOR	30	3	NUT-0_25-20-NYLOCK-Z	NUT, NYLOC, 1/4-20, ZP
11	1	ALA10032	ROLLER 2" DIA UHMW	31	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOC, 1/2-13, ZP
12	1	ALA10050	TAB, ACTUATOR	32	1	PIN-0_121_50-CO-SS	COTTER PIN
13	1	ALA10095	STICKER, OUTSIDE LIFT	33	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP
14	2	ALA11025	EXTENSION SPRING	34	2	RR-0_62-EC-Z	E-CLIP, for 5/8" SHAFT
15	1	ALA180	HARDWARE PACK	35	2	SHCS-0_25-203_25-Z	SHCS, 1/4-20 x 3-1/4*, ZP
16	1	ALA99995	LABEL, SERIAL NUMBER	36	1	SPCR-0_25-0_500_31-N	SPACER, 1/4*, for CAM SPRINGS
17	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	37	2	WASH-0_25-0_620_06-RH-SS	WASHER, FLAT, 1/4", SS
18	2	COLLAR-1_25-SH-OP-Z	SHAFT COLLAR, 1-1/4" BORE	38	5	WASH-0_50-1_370_12-RH-SS	WASHER, FLAT, 1/2*, SS
19	1	H11010	J CAM	39	4	WASH-0_50-1_500_12-RH-P	WASHER, FLAT, 1/2", PLASTIC
20	1	H14044	ROLLER				

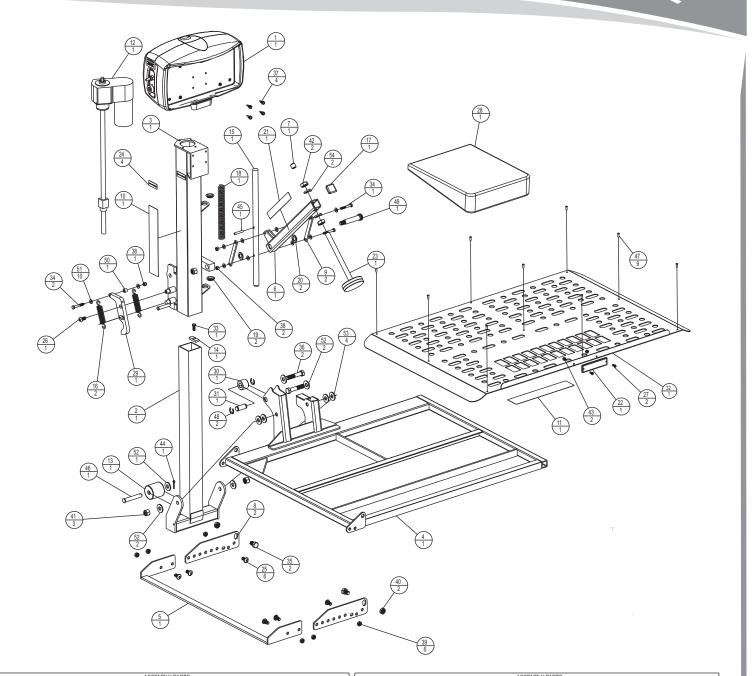
EXPLODED VIEW - AL585-SS



			ASSEMBLY PARTS
ITEM	QTY	PART NO.	DESCRIPTION
1	1	200-2A01-A	MOTOR COVER, ASSEMBLY, OUTSIDE LIFTS
2	1	201-ZA06-C	INNER TUBE
3	1	202-ZA10-C	OUTER TUBE
4	1	203-ZG05-C	PLATFORM
5	1	205-ZG04-C	HOLD DOWN ARM - TSS
6	1	206-ZA13-C	FORMED HOLD DOWN ARM BRACKET
7	1	903-3A03-A	.75" X 6.00" RED REFLECTIVE STICKER
8	1	999-1A13-A	POWER CHAIR OFF STICKER
9	1	ALA03059	FOAM RUBBER GRIP 12in LONG
10	1	ALA10010REV2	ACTUATOR
11	1	ALA10032	ROLLER 2" DIA UHMW
12	1	ALA10050	TAB, ACTUATOR
13	1	ALA10095	STICKER, OUTSIDE LIFT
14	2	ALA11025	EXTENSION SPRING
15	1	ALA180	HARDWARE PACK
16	1	ALA99995	LABEL, SERIAL NUMBER
17	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS
18	2	COLLAR-1_25-SH-OP-Z	SHAFT COLLAR, 1-1/4" BORE
19	1	H11010	J CAM

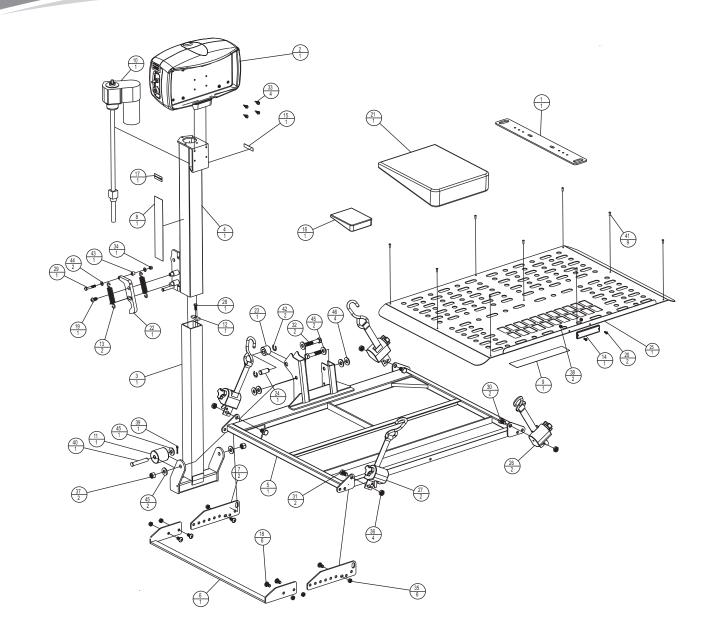
			ASSEMBLY PARTS
ITEM	QTY	PART NO.	DESCRIPTION
20	1	H14044	ROLLER
21	1	H14045	CLEVIS PIN
22	1	H56069R1	T-HANDLE SPRING PIN ASSY 3/8" PIN, BLUE
23	1	H570101	"ENTER" STICKER
24	1	H570102	"PARK" STICKER
25	1	H752102	1.25 DIAMETER END CAP
26	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP
27	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP
28	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP
29	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP
30	3	NUT-0_25-20-NYLOCK-Z	NUT, NYLOC, 1/4-20, ZP
31	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOC, 1/2-13, ZP
32	1	PIN-0_121_50-CO-SS	COTTER PIN
33	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP
34	2	RR-0_62-EC-Z	E-CLIP, for 5/8" SHAFT
35	2	SHCS-0_25-203_25-Z	SHCS, 1/4-20 x 3-1/4", ZP
36	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS
37	2	WASH-0_25-0_620_06-RH-SS	WASHER, FLAT, 1/4", SS
38	5	WASH-0_50-1_370_12-RH-SS	WASHER, FLAT, 1/2", SS
39	4	WASH-0_50-1_500_12-RH-P	WASHER, FLAT, 1/2", PLASTIC

EXPLODED VIEW - AL100 HD



		ASSEM	//BLY PARTS	ASSEMBLY PARTS					
ITEM	OTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION		
1	1	200-2A01-A	MOTOR COVER, ASSEMBLY, OUTSIDE LIFTS	28	1	H03-3A41-A	HD HARDWARE PACK		
2	1	201-ZA06-C	INNER TUBE	29	1	H11010	J-CAM		
3	1	202-ZA06-C	OUTER TUBE	30	1	H14044	ROLLER		
4	1	203-3A43-C	AL100HD PLATFORM	31	1	H14045	CLEVIS PIN		
5	1	204-ZA06-C	EXTENDED CRADLE BAR	32	1	H14407	ALUMINUM PLATE		
6	1	205-3A06-C	HOLD DOWN ARM	33	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP		
7	1	400-2A06-A	VINYL CAP FOR 1/2 OD STUD	34	3	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP		
8	2	501-ZA06-C	SPREADER BAR BRACKET	35	2	HHCS-0_50-130_75-Z	HEX HEAD, 1/2-13 x 0.75, ZP		
9	2	502-ZA06-C	BAR, LINK, 3/16"	36	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP		
10	1	903-3A41-A	HD OUTSIDE LIFT STICKER	37	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP		
11	1	950-2A06-A	STICKER, PLATFORM	38	3	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP		
12	1	ALA10010REV2	ACUTATOR	39	6	NUT-0_37-16-NYLOCK-NTE-Z	NYLOCK NUT, THIN, 3/8-16, ZP		
13	1	ALA10032	ROLLER 2" DIA UHMW	40	2	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP		
14	1	ALA10050	TAB, ACTUATOR	41	3	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP		
15	1	ALA108-PLT	HOLD DOWN ARM ROD	42	2	NUT-0_62-11-JAM-Z	NUT, JAM, 5/8-11, ZP		
16	2	ALA11025	EXTENSION SPRING	43	2	NUT-10-24-NYLOCK-Z	NUT, NYLOCK, #10-24, ZP		
17	1	ALA125SPI	INSERTS, 1 1/4 BLACK PLASTIC	44	1	PIN-0_121_50-CO-SS	COTTER PIN		
18	1	ALA13025	COMPRESSION SPRING	45	1	PIN-0_251_50-RP-Z	ROLL PIN, 1/4 X 1.50, SPLIT, ZP		
19	2	ALA13030	NYLINEAR BEARINGS - 3/4"	46	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP		
20	2	ALA13050P	HOLD DOWN ARM WASHER	47	9	RIV-188-SS	RIVET		
21	1	ALA13095	STICKER, CAUTION, HOLD DOWN ARM	48	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT		
22	1	ALA14096	RED REFLECTOR	49	1	SHSB-0_622_50-Z	SHOULDER BOLT, 5/8 DIA x 2.50, ZP		
23	1	ALA18020	HOLD DOWN FOOT	50	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS		
24	4	ALA99995	LABEL, SERIAL NUMBER	51	10	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS		
25	6	BHCS-0_37-160_75-SS	BUTTON HEAD, 3/8-16 x 0.75, SS	52	5	WASH-0_50-1_060_08-RH-SS	WASHER, FLAT, 1/2", SS		
26	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	53	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON		
27	2	BHCS-10-240_50-SS	BUTTON HEAD, #10-24 X 0.50, SS	54	2	WASH-0_62-1_080_15-SL-Z	WASHER, SPLIT-LOCK, 5/8 , ZP		

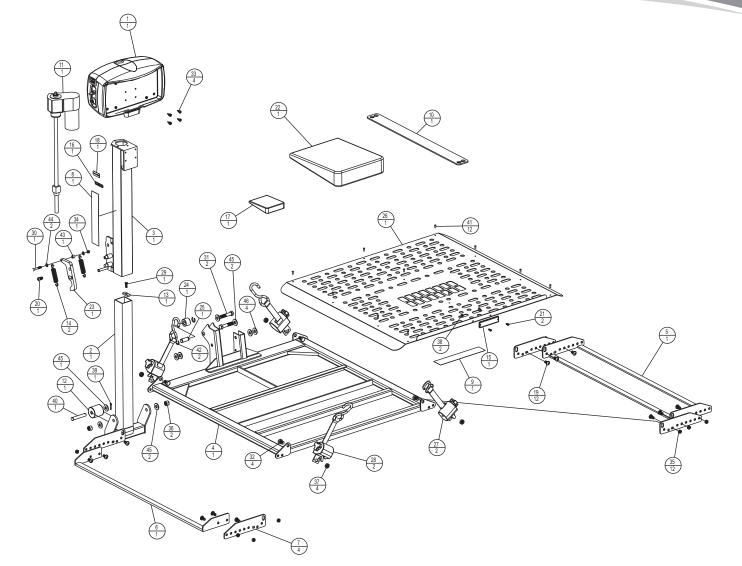
EXPLODED VIEW - AL300HD



		ASSEM	MBLY PARTS			ASSE	MBLY PARTS
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION
1	1	100-2P03-C	20" ANCHOR PLATE	24	1	H14045	CLEVIS PIN
2	1	200-2A01-A	MOTOR COVER, ASSEMBLY, OUTSIDE LIFTS	25	1	H14407	ALUMINUM PLATE
3	1	201-ZA06-C	INNER TUBE	26	2	H50010B	LEFT HAND, Q-STRAINT - BLUE
4	1	202-ZA10-C	OUTER TUBE	27	2	H50011B	RIGHT HAND, Q-STRIANT - BLUE
5	1	203-3A41-C	HD PLATFORM	28	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP
6	1	204-ZA06-C	EXTENDED CRADLE BAR	29	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP
7	2	501-ZA06-C	SPREADER BAR BRACKET	30	2	HHCS-0_50-130_75-Z	HEX HEAD, 1/2-13 x 0.75, ZP
8	1	903-3A41-A	HD OUTSIDE LIFT STICKER	31	2	HHCS-0_50-130_87-Z	HEX HEAD, 1/2-13 X 0.88, ZP
9	1	950-2A06-A	STICKER, PLATFORM	32	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP
10	1	ALA10010REV2	ACUTATOR	33	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP
11	1	ALA10032	ROLLER 2" DIA UHMW	34	1	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP
12	1	ALA10050	TAB, ACTUATOR	35	6	NUT-0_37-16-NYLOCK-NTE-Z	NYLOCK NUT, THIN, 3/8-16, ZP
13	2	ALA11025	EXTENSION SPRING	36	4	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP
14	1	ALA14096	RED REFLECTOR	37	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP
15	1	ALA50099	PATENT STICKER	38	2	NUT-10-24-NYLOCK-Z	NUT, NYLOCK, #10-24, ZP
16	1	ALA580	U-BOLT HARDWARE KIT	39	1	PIN-0_121_50-CO-SS	COTTER PIN
17	1	ALA99995	LABEL, SERIAL NUMBER	40	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP
18	6	BHCS-0_37-160_75-SS	BUTTON HEAD, 3/8-16 x 0.75, SS	41	9	RIV-188-SS	RIVET
19	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	42	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT
20	2	BHCS-10-240_50-SS	BUTTON HEAD, #10-24 X 0.50, SS	43	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS
21	1	H03-3A41-A	HD HARDWARE PACK	44	2	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS
22	1	H11010	J-CAM	45	5	WASH-0_50-1_060_08-RH-SS	WASHER, FLAT, 1/2", SS
23	1	H14044	ROLLER	46	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON
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EXPLODED VIEW - AI301XL HD

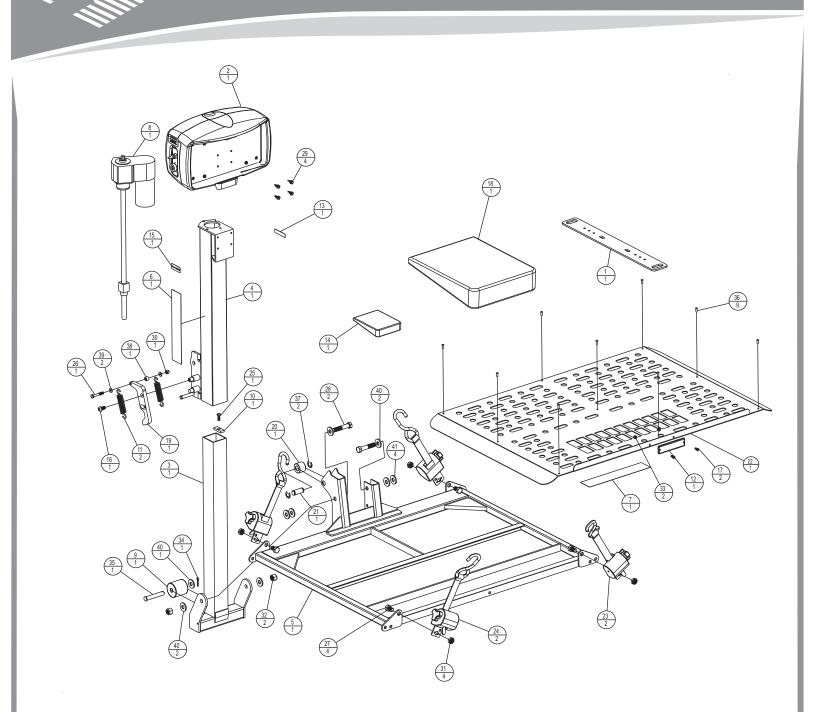




		ASSEMB	LY PARTS
ITEM	QTY	PART NO.	DESCRIPTION
1	1	200-2A01-A	MOTOR COVER, ASSEMBLY, OUTSIDE LIFTS
2	1	201-ZA06-C	INNER TUBE
3	1	202-ZA10-C	OUTER TUBE
4	1	203-3A42-C	XL HD PLATFORM
5	1	204-ZA09-C	AL301XL FRONT WHEEL CRADLE
6	1	205-ZA09-C	AL301XL EXTENDED CRADLE BAR
7	4	501-ZA06-C	SPREADER BAR BRACKET
8	1	903-3A41-A	HD OUTSIDE LIFT STICKER
9	1	950-2A06-A	STICKER, PLATFORM
10	1	AL591	ANCHOR PLATE, 27.00
11	1	ALA10010REV2	ACUTATOR
12	1	ALA10032	ROLLER 2" DIA UHMW
13	1	ALA10050	TAB, ACTUATOR
14	2	ALA11025	EXTENSION SPRING
15	1	ALA14096	RED REFLECTOR
16	1	ALA50099	PATENT STICKER
17	1	ALA580	U-BOLT HARDWARE KIT
18	1	ALA99995	LABEL, SERIAL NUMBER
19	12	BHCS-0_37-160_75-SS	BUTTON HEAD, 3/8-16 x 0.75, SS
20	1	BHCS-0_37-161_00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS
21	2	BHCS-10-24-0_50-SS	BHCS #10-24 X 0.5" LONG SS
22	1	H03-3A41-A	HD HARDWARE PACK
23	1	H11010	J-CAM

			LY PARTS
ITEM	QTY	PART NO.	DESCRIPTION
24	1	H14044	ROLLER
25	1	H14045	CLEVIS PIN
26	1	H30110	ALUMINUM SKIN 301XL
27	2	H50010B	LEFT HAND, Q-STRAINT - BLUE
28	2	H50011B	RIGHT HAND, Q-STRIANT - BLUE
29	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP
30	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP
31	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP
32	4	HHCS-0_50-13-0_75-Z	HHCS, 1/2-13 x 3/4"L,GRADE 5 ZPSTEEL
33	4	HHTS-12-14-0_75-Z	HEX WASHER, #12-14 SELF DRILL, 3/4" L, ZP
34	1	NUT-0_25-20-NYLOC-Z	NUT, NYLOC, 1/4-20, ZP STEEL
35	12	NUT-0_37-16-NYLOCK-NTE-Z	NYLOCK NUT, THIN, 3/8-16, ZP
36	2	NUT-0_50-13-NYLOC-Z	NUT, NYLOC, 1/2-13, ZP STEEL
37	4	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP
38	2	NUT-10-24-NYLOCK-SS	NYLOCK #10-24 SS
39	1	PIN-0_121_50-CO-SS	COTTER PIN
40	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP
41	12	RIV-188-SS	RIVET
42	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT
43	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS
44	2	WASH-0_25-0_62-0_06-RH-SS	WASHER, FLAT, 1/4", SS
45	5	WASH-0_50-1_370_12-RH-SS	WASHER, FLAT, 1/2", SS
46	4	WASH-0 50-1 500 12-RH-P	WASHER, FLAT, 1/2", PLASTIC

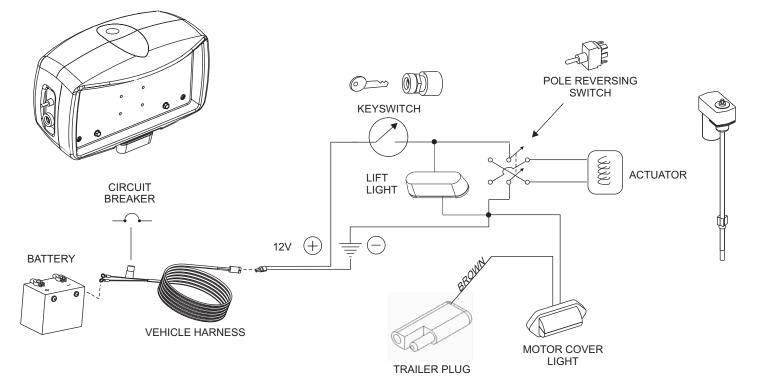
EXPLODED VIEW - AL500HD



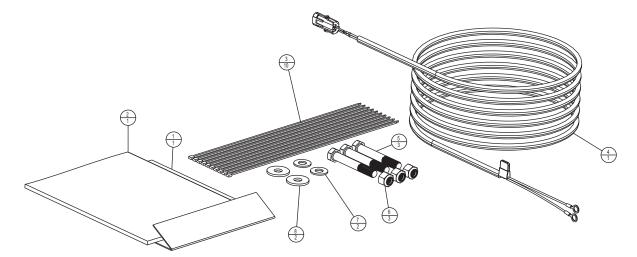
		ASSE	/BLY PARTS	ASSEMBLY PARTS			
ITEM	QTY	PART NO.	DESCRIPTION	ITEM		PART NO.	DESCRIPTION
1	1	100-2P03-C	20" ANCHOR PLATE	21	1	H14045	CLEVIS PIN
2	1	200-2A01-A	MOTOR COVER, ASSEMBLY, OUTSIDE LIFTS	22	1	H14407	ALUMINUM PLATE
3	1	201-ZA06-C	INNER TUBE	23	2	H50010B	LEFT HAND, Q-STRAINT - BLUE
4	1	202-ZA10-C	OUTER TUBE	24	2	H50011B	RIGHT HAND, Q-STRIANT - BLUE
5	1	203-3A41-C	HD PLATFORM	25	1	HHCS-0_25-200_75-NP-Z	HEX HEAD, 1/4-20 x 0.75, ZP
6	1	903-3A41-A	HD OUTSIDE LIFT STICKER	26	1	HHCS-0_25-201_75-Z	HEX HEAD, 1/4-20 x 1.75, ZP
7	1	950-2A06-A	STICKER, PLATFORM	27	4	HHCS-0_50-130_75-Z	HEX HEAD, 1/2-13 x 0.75, ZP
8	1	ALA10010REV2	ACUTATOR	28	2	HHCS-0_50-132_50-Z	HEX HEAD, 1/2-13 x 2.50, ZP
9	1	ALA10032	ROLLER 2" DIA UHMW	29	4	HWTS-140_75-Z	HEX WASHER, #14 SELF DRILL, 0.75, ZP
10	1	ALA10050	TAB. ACTUATOR	30	1	NUT-0_25-20-NYLOCK-Z	NUT, NYLOCK, 1/4-20, ZP
11	2	ALA11025	EXTENSION SPRING	31	4	NUT-0_50-13-NYLOCK-NTE-Z	THIN NUT, NYLOCK, 1/2-13, ZP
12	1	ALA14096	RED REFLECTOR	32	2	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP
13	1	ALA50099	PATENT STICKER	33	2	NUT-10-24-NYLOCK-Z	NUT, NYLOCK, #10-24, ZP
14	1	ALA580	U-BOLT HARDWARE KIT	34	1	PIN-0_121_50-CO-SS	COTTER PIN
15	1	ALA99995	LABEL, SERIAL NUMBER	35	1	PIN-0_503_00-CL-Z	CLEVIS PIN, 1/2" x 3" L, ZP
16	1	BHCS-0 37-161 00-SS-NP	BUTTON HEAD 3/8-16 x 1.00 SS	36	9	RIV-188-SS	RIVET
17	2	BHCS-10-240 50-SS	BUTTON HEAD. #10-24 X 0.50. SS	37	2	RR-0_62-EC-Z	E-CLIP, 5/8" SHAFT
17	4	H03-3A41-A	HD HARDWARE PACK	38	1	SPCR-0_25-0_500_31-N	SPACER, 1/4", for CAM SPRINGS
-	1			39	2	WASH-0_25-0_620_04-RH-SS	WASHER, FLAT, 1/4", SS
19	1	H11010	J-CAM	40	5	WASH-0_50-1_060_08-RH-SS	WASHER, FLAT, 1/2", SS
20	1	H14044	ROLLER	41	4	WASH-0_50-1_500_12-N	WASHER, FLAT, 1/2", NYLON



MOTOR COVER WIRING SCHEMATIC



TYPICAL HARDWARE PACK CONTENTS



	ASSEMBLY PARTS							
ITEM	QTY	PART NO.	DESCRIPTION					
1	1	N/A	WARRANTY FORM					
2	1	N/A	OWNER'S MANUAL					
3	10	CT-14-BLK	CABLE TIE, 14" BLACK					
4	1	H28010	12 GAUGE VEHICLE WIRE HARNESS					
5	3	HHCS-0_50-13-3_50-Z	HEX HEAD CAP SCREW, 1/2-13 x 3.50"L, ZP					
6	3	NUT-0_50-13-NYLOCK-Z	NUT, NYLOCK, 1/2-13, ZP					
7	2	WASH-0_50-1_06-0_08-RH-Z	WASHER, FLAT, 1/2" ID x 1.06 OD x .08"TH, ZP					
8	2	WASH-0_50-1_370_12-RH-Z	WASHER, FLAT, 1/2" ID x 1.37" OD x 0.12TH, ZP					

SERVICE NOTES

Service Description:

Service Date:

Service Performed By:

SERVICE NOTES



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THANK YOU FOR MAKING HARMAR AMERICA'S LEADER IN LIFTS



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