Bed Lift

OEM Assembly and Operation Manual

LIPPERT COMPONENTS®

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Introduction

The Bed Lift distributed by Lippert Components, utilizes a unique nylon strap-based system, adaptable to a broad range of RV and heavy truck applications including cabs, living rooms, slide-out rooms and master bedrooms. The straps retract into the bed base, concealing the lifting system in the retracted position, permitting OEMs more floor plan design freedom. The nearly silent Bed Lift system is operated by a single motor that controls four support mounts to raise and lower the bed at 58.4 mm (2.3 in) per second. The 363 kg (800 lbs) capacity system can be customized in both size and configuration to maximize space in any motorhome, towable RV or truck cab floor plan design. The system can even “bend” to conform to wall curvatures found in some motorhome cabs.

For information on the assembly or individual components of this product, please visit: https://support.lci1.com/beds.

NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

Additional information about this product can be obtained from lci1.com/support or by using the myLCI app. Replacement kits can be ordered from https://store.lci1.com/ or by using the myLCI app.
The myLCI app is available for free on iTunes® for iPhone® and iPad® and also on Google Play™ for Android™ users.
iTunes®, iPhone®, and iPad® are registered trademarks of Apple Inc.
Google Play™ and Android™ are trademarks of Google Inc.

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage.

Important Safety Information

- Safety devices shall **NOT** be tampered with for any reason.
- It is strictly forbidden to be on the bed lifting system while it is being operated.
- Do **NOT** interfere with the bed lifting system while operated, neither with any objects or with hands.
- Before starting the vehicle engine and driving, always make sure the bed lifting system is in its highest position and the safety belts are fastened (excluding garage bed).
- Do **NOT** operate the system improperly (e.g. with people on it).
- The bed lifting system shall only be used by adults and responsible staff.
- It is forbidden to use the bed lifting system while the vehicle is running.
- Do **NOT** move the bed lifting system if people or animals or items are around, under or on it.
- The bed lifting system must never be used while the vehicle is running.
- It is forbidden to start the bed lift system manually with disconnected wires from motor unit to control unit.
- Should the mechanism not work, do **NOT** use the bed and ask for assistance at the next service center.
- Always install the bed lifting system taking into account the system maximum load. The bed unit, as a whole - Including bed lifting system, mattress, pillow, blankets, etc. - **MUST NOT** weigh more than 60 kg (132 lbs).
- The bed lifting system can bear a total maximum weight of 363 kg (800 lbs).

⚠WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.

⚠WARNING

Failure to follow instructions provided in this manual may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.

⚠CAUTION

The “CAUTION” symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.

⚠CAUTION

Always wear eye protection when performing service, maintenance or installation procedures. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the task.

⚠CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution during assembly.

Resources Required

- Cordless or electric drill or screw gun
- Appropriate drive bits
- Appropriate drill bits
- Appropriate cutting tool for metal
- Appropriate fasteners
- Socket wrench (8 mm)
- Wiring per governing codes
- Super Lube® Grease
- Measuring tape
- Pencil
- (2) Relay's

Installation

NOTE: The assembled bed frame should stay bottom facing up throughout the component installation.

Drive Shaft and Motor Installation

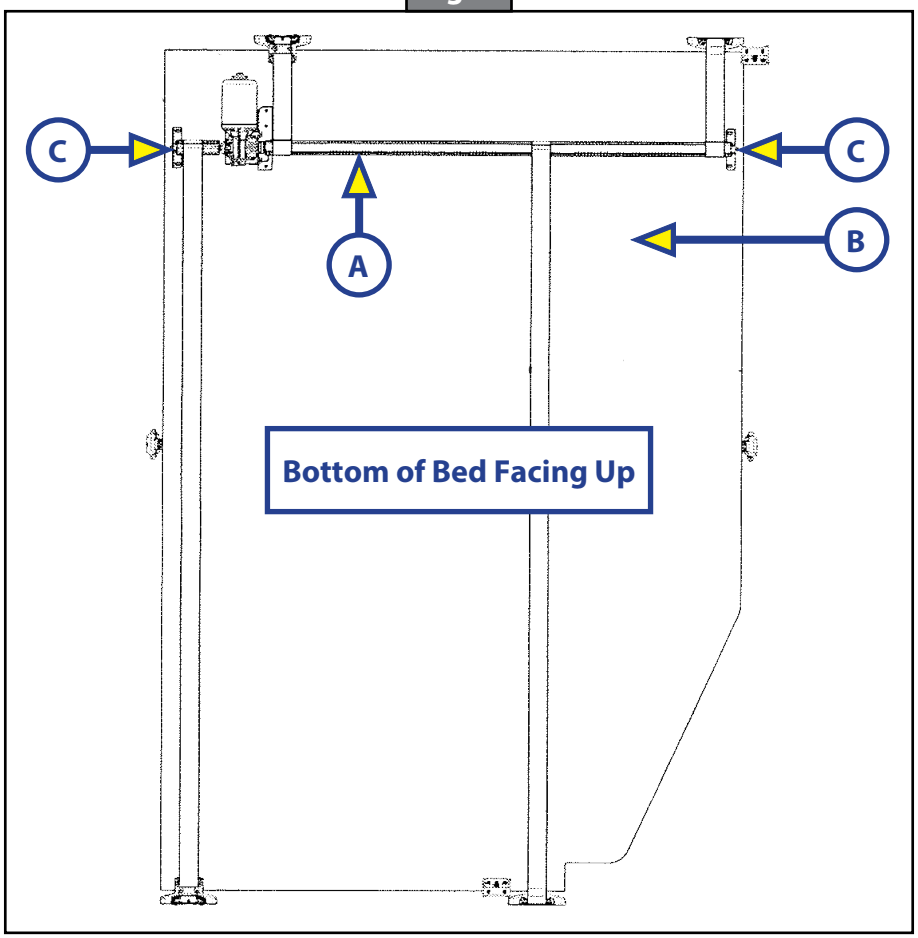
⚠ CAUTION

Always wear eye protection when performing service, maintenance or installation procedures. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the task.

NOTE: For the drive shaft to fit the dimensions of the bed lift and to install the motor, the drive shaft must be cut and material removed for the motor to be installed on the drive shaft.

1. Place the drive shaft (Fig. 1A) on the bed frame (Fig. 1B) with the drive shaft centering brackets (Fig. 1C) on the side rails of the bed. If the drive shaft (Fig. 1A) is too long, and the drive shaft centering brackets (Fig. 1C) are off the bed frame, center one side of the drive shaft centering bracket on the bed rail and measure the excess distance on the opposite side of the drive shaft to make the drive shaft centering bracket centered with the opposite side bed frame rail. Add the measurement of the excess drive shaft to the measurement when cutting the shaft to install the motor.

Fig. 1



2. Cut and remove 120 mm (4.7 in) (Fig. 2, orange lines) from the drive shaft (Fig. 2A) including the excess drive shaft, measurement from step 1, for the drive shaft centering brackets (Fig. 3A) and the motor (Fig. 3B) to be installed on the drive shaft. The motor (Fig. 3B) has to be between the two drive shafts (Fig. 3C) in the preferred position but keeping a minimum length for each shaft of at least 185 mm (7.3 in).

Fig. 2

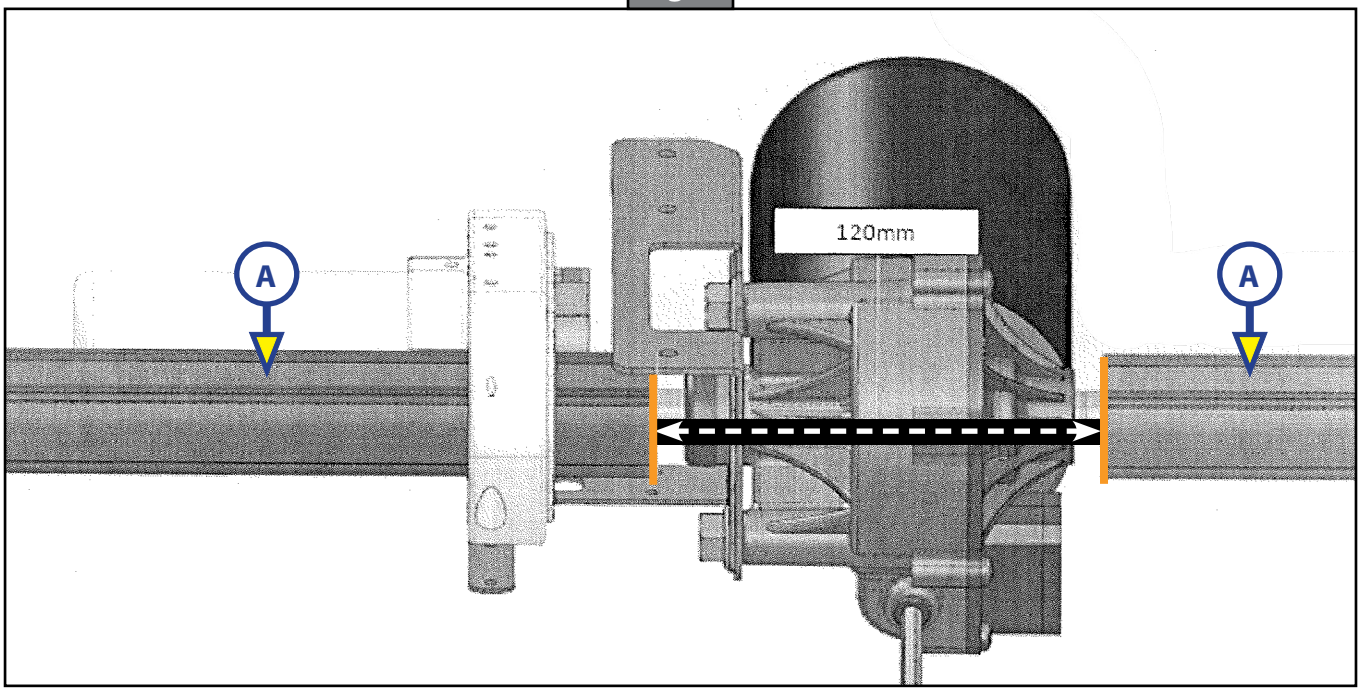
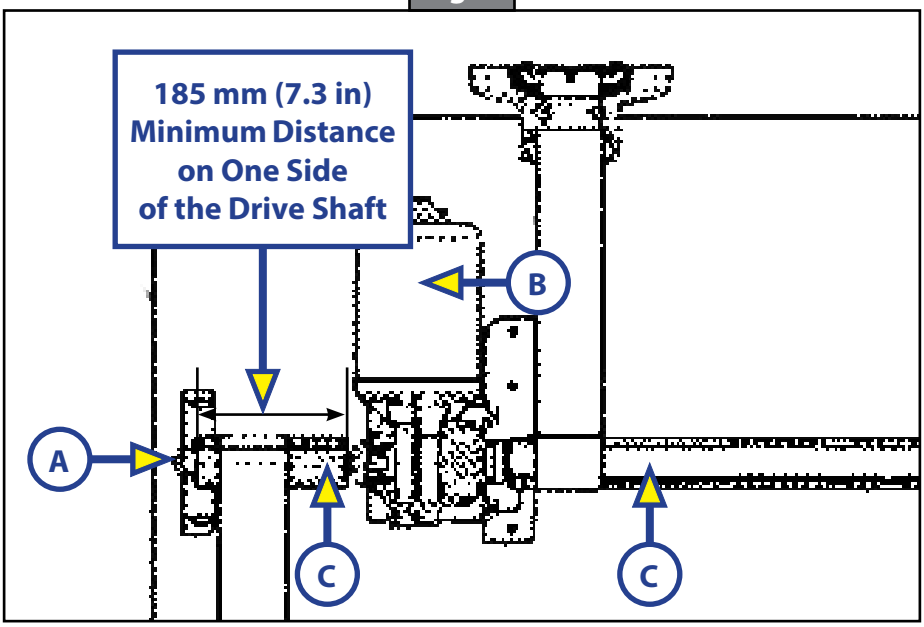
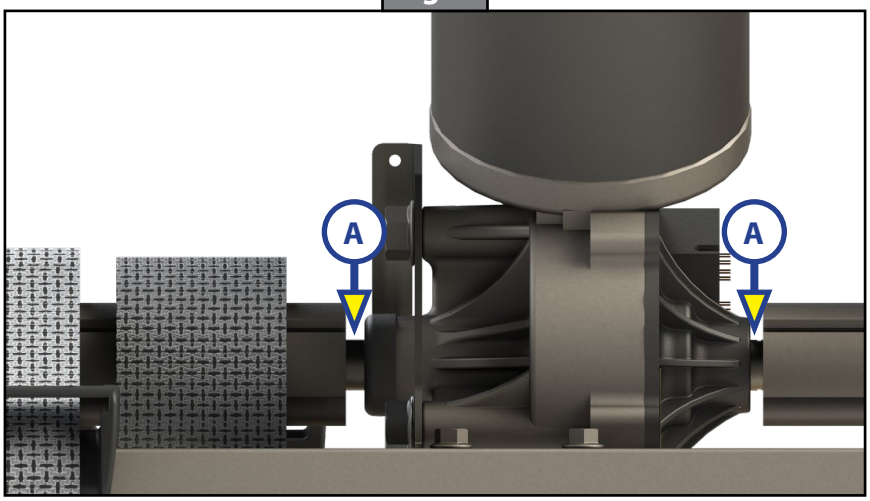


Fig. 3



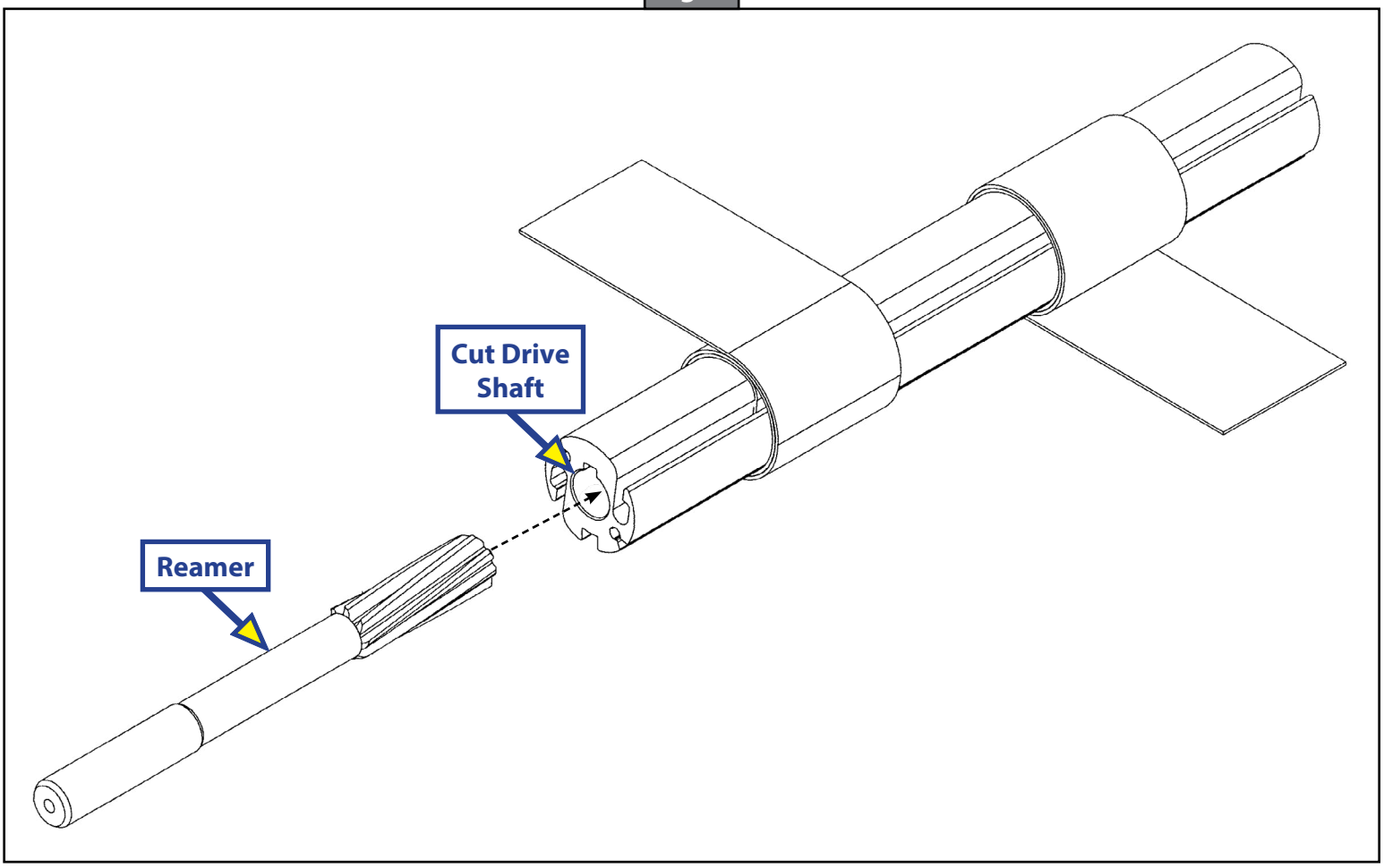
3. When cutting the drive shaft to measure, leave a minimum of 5 mm (0.21 in), maximum 10 mm (0.40 in), distance between each shaft and the motor (Fig. 4A).

Fig. 4



4. After the total measurement has been determined, and making sure at least one side is 185 mm (7.3 in), mark the area the motor will be installed and cut and remove part of the drive shaft.
5. Ream the hole with a drill bit on both sides of the cut drive shaft (Fig. 5) removing any excess metal or burrs.

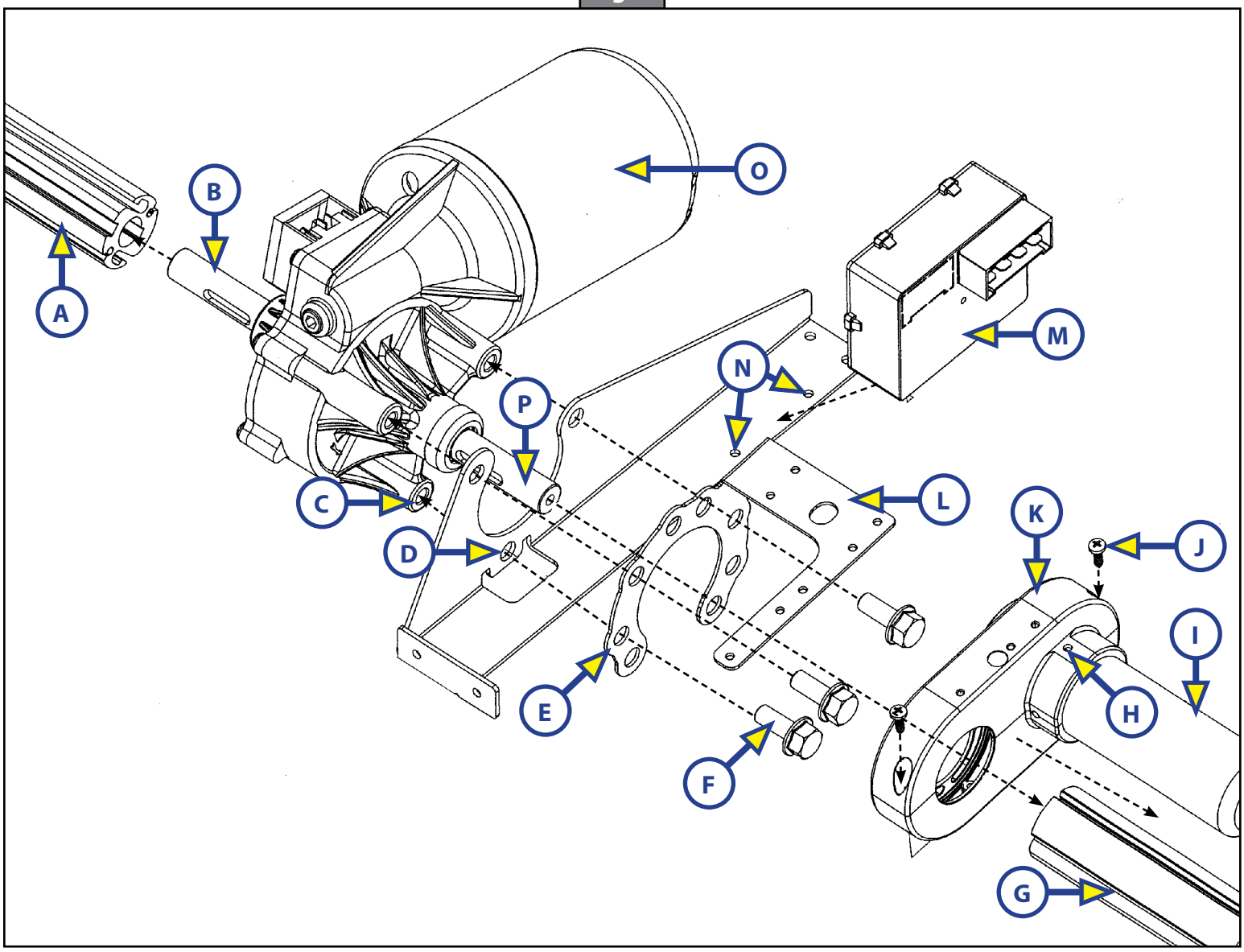
Fig. 5



NOTE: Refer to figure 6 for motor and advanced control system (ACS) parts and assembly orientation.

6. Slide the ACS module holder (Fig. 6K) onto the long drive shaft end (Fig. 6G). Make sure the ACS module housing (Fig. 6I) faces away from the motor (Fig. 6O).
7. Apply Super Lube® Grease to both ends of the motor shafts (Fig. 6B and P).
8. Make sure motor shaft keys (Fig. 6B and P) are in place prior to long or short shaft installation.
9. Align motor key (Fig. 6P) with long drive shaft keyway, then insert the keyed motor shaft into the end of the long drive shaft (Fig. 6G).
10. Align the screw holes to the motor mounting bracket (Fig. 6D) along with the angle bracket holes (Fig. 6E) and the motor holes (Fig. 6C). Install three hex head steel serrated flange bolts (Fig. 6F) through the two brackets and into the motor.
11. Align motor key (Fig. 6B) with short drive shaft keyway (Fig. 6A), then insert the short drive shaft (Fig. 6A) onto the motor shaft (Fig. 6B).
12. Align the power controller (Fig. 6M) screw holes with the motor mounting bracket screw holes (Fig. 6N).
13. Make sure the power controller interface is facing towards the motor, then install two #4 x 1/4" Phillips, Type A, sheet metal screws up through the motor bracket (Fig. 6D) and into the power controller (Fig. 6M).

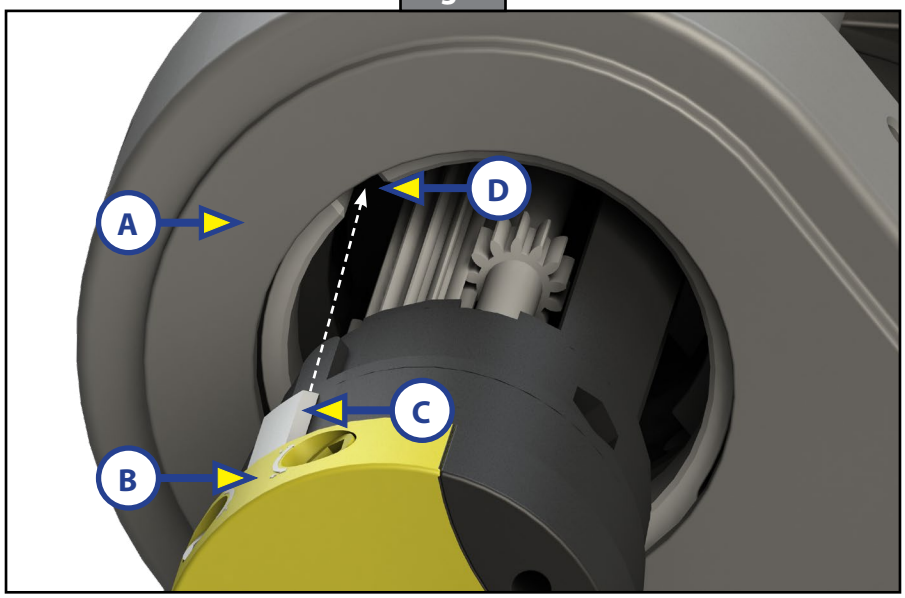
Fig. 6



14. Insert the ACS module (Fig. 7B) into the ACS module holder (Fig. 7A). Make sure the ACS module key (Fig. 7C) is aligned with the ACS module keyway (Fig. 7D) in the ACS module holder. Push and turn the ACS module (Fig. 7B) until ACS module seats into place.

15. To hold the ACS module into the ACS module holder, install one #6 x 1/2", 18-8 SST, pan head screw into the ACS module holder (Fig. 6H).

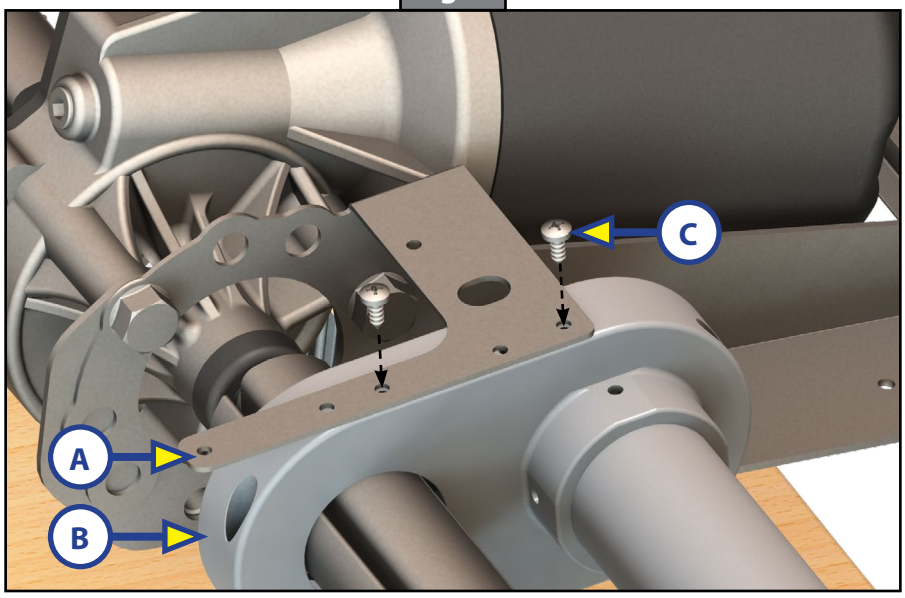
Fig. 7



16. If not already installed, install two 2.9 mm x 9.5 mm screws (Fig. 6J) one on each side of the ACS module holder (Fig. 6K) holding the two halves of the ACS module holder together.

17. Slide the ACS module holder (Fig. 8B) underneath the angle support bracket (Fig. 8A). Align the angle support bracket holes with the ACS module holder. Attach with two screws 2.9 mm x 9.5 mm (Fig. 8C) to hold the ACS module holder to the angle bracket.

Fig. 8

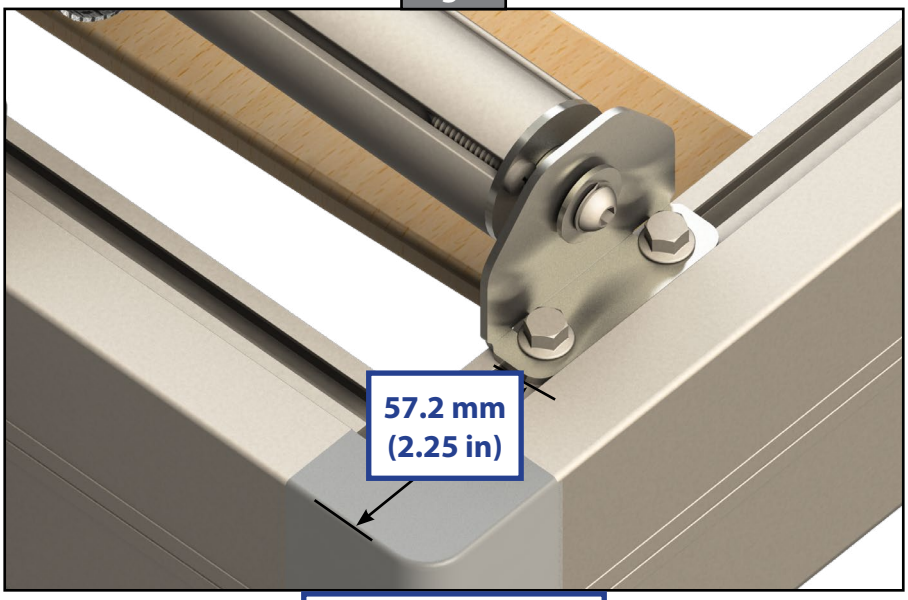


18. Measure from the outside end rail to the end of the drive shaft header center brackets. There should be a 57.2 mm (2 1/4 in) gap (Fig. 9) from the end of the rail to the edge of the drive shaft header center bracket. Move the long and short drive shaft header center brackets into place so that both sides are even.

19. Attach the long drive shaft header assembly centering bracket (Fig. 10C) to the side rail with two M5 - 0.8 x 10 mm screws (Fig. 10B).

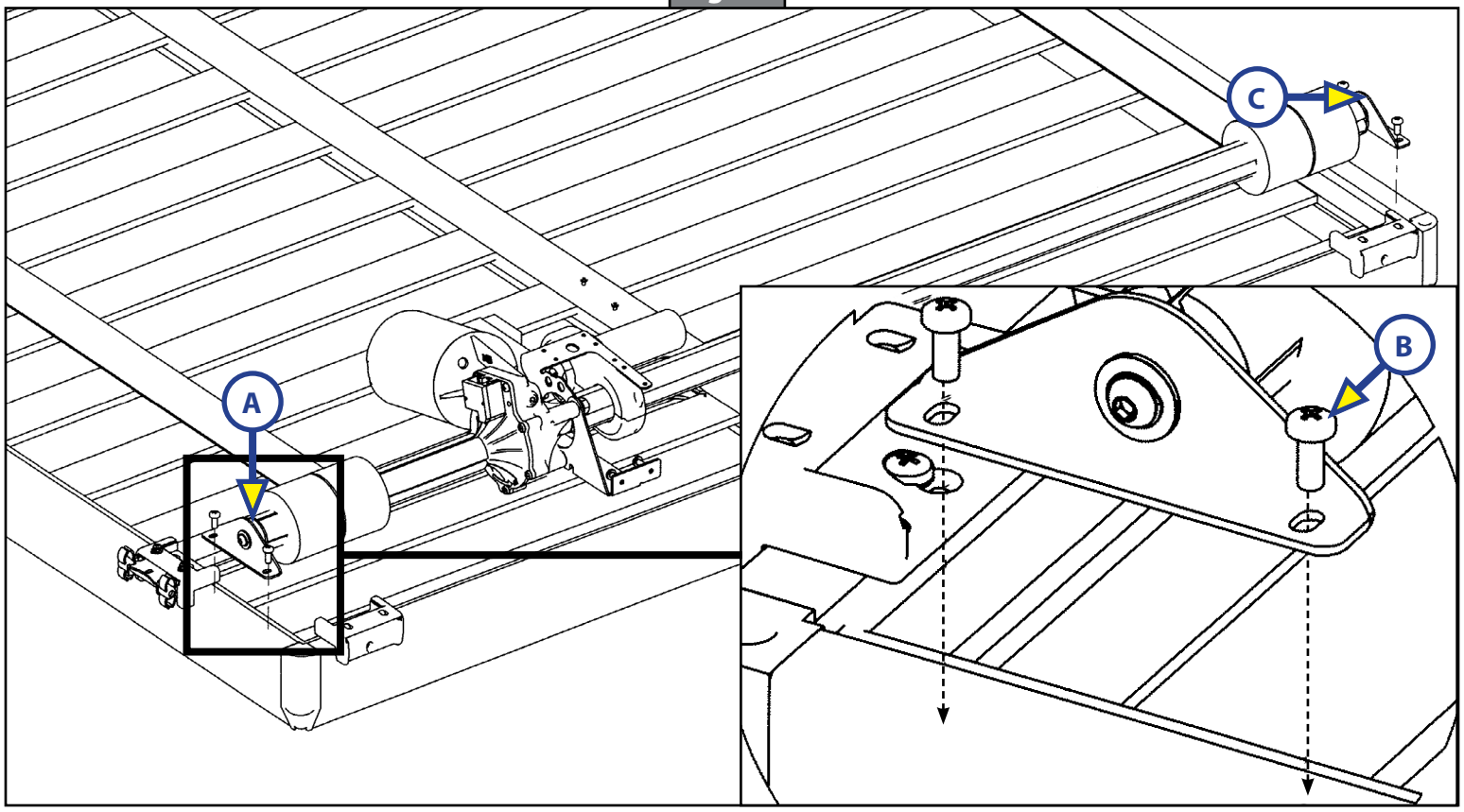
20. Attach the short drive shaft header assembly center bracket (Fig. 10A) to the side rail with two M5 - 0.8 x 10 mm screws (Fig. 10B).

Fig. 9



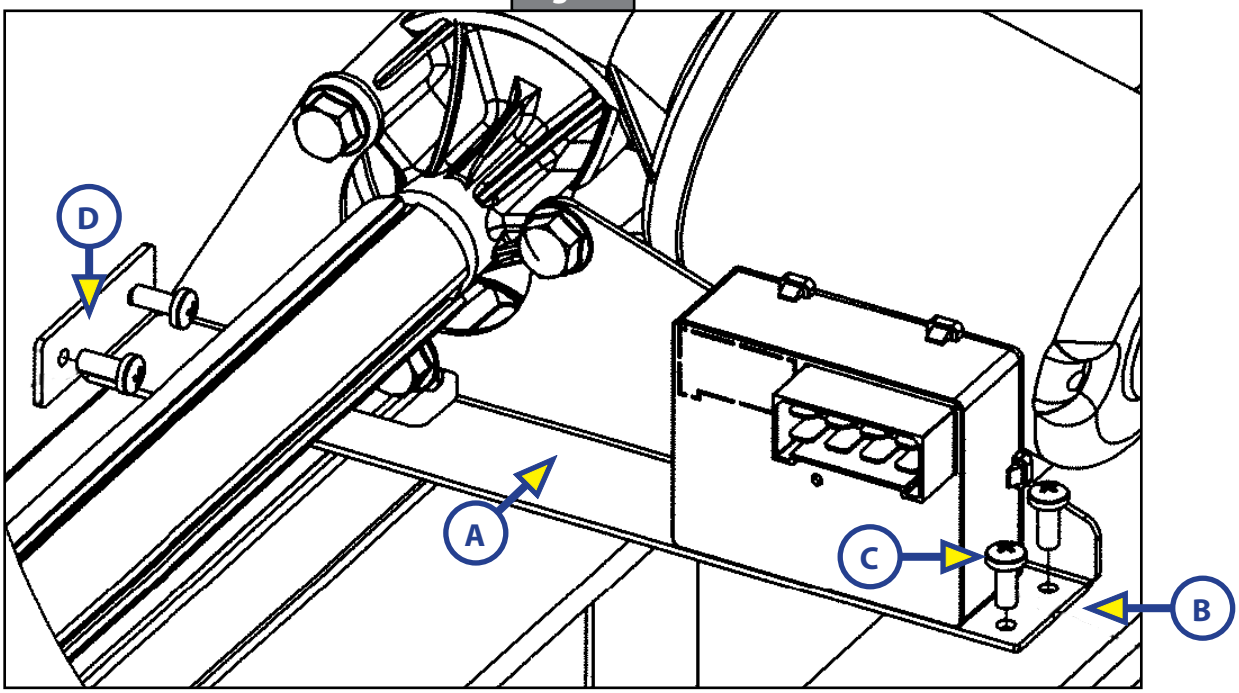
For Reference Only

Fig. 10



21. Fasten the motor mounting bracket (Fig. 11A) to the motor mount support (Fig. 11B) with two 4.2 mm x 13 mm screws (Fig. 11C). On the opposite end of the motor mounting bracket install two 4.2 mm x 13 mm screws through the bracket and into the end rail (Fig. 11D).

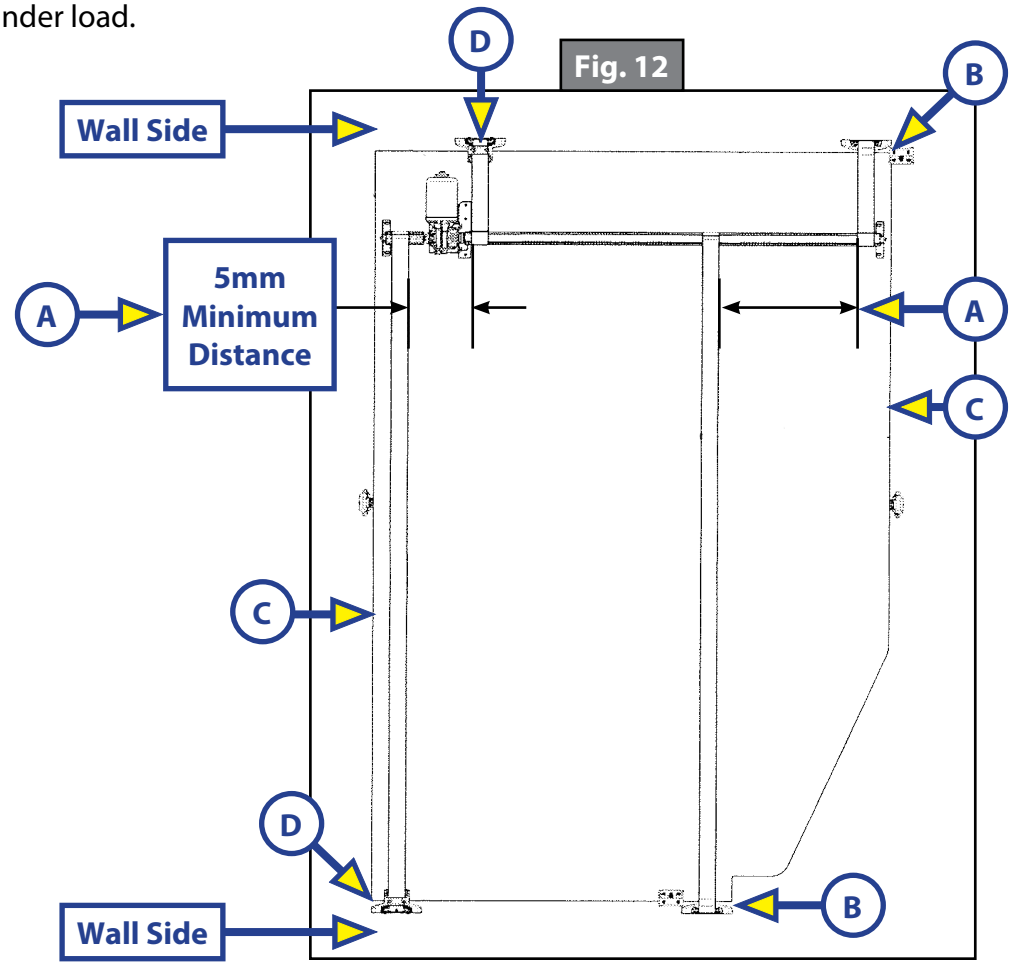
Fig. 11



Belt and Stabilizer Guide Track Brackets

Make sure to keep a minimum 5 mm ($^{13}/_{64}$ in) gap (Fig. 12A) between the two belts on each side of the bed lift. Install the belt brackets (Fig. 12B) as close as possible to the side of the bed (Fig. 12C) to avoid tip-over when under load.

Fig. 12



Belt Brackets

NOTE: The proper belt bracket locations will depend on the type of bed lift configuration and where the motor is installed.

NOTE: Keep a minimum distance from each belt bracket (Fig. 12B) to the side of the bed (Fig. 12C) to avoid tip-over when under load.

1. Determine which rail of the bed frame will be against the wall. The stabilizer guide track bracket (Fig. 12D) locations may vary per bed.
2. Place the belt bracket (Fig. 13A) on the end rail frame, as close as possible to the side of the bed frame.
3. Use a 12 mm (15/32 in) drill bit to pre-drill the side hole (Fig. 13B).
4. Install a 4.2 mm x 13 mm screw (Fig. 14A) in the side hole of the belt bracket.
5. Use a 4 mm (5/32 in) drill bit to pre-drill the top of the end rail hole (Fig. 14D).
6. Install a 4.2 mm x 13 mm screw (Fig. 14B, Fig. 15A) with a #5 washer (Fig. 14C) into the belt bracket top hole (Fig. 14D) and into the end rail (Fig. 15B).
7. Repeat steps 2-6 for the other belt bracket.

Fig. 13

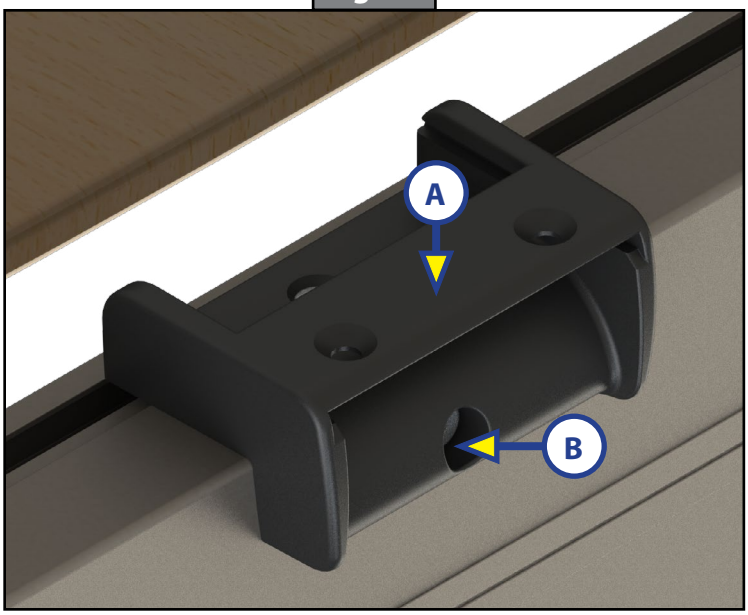


Fig. 14

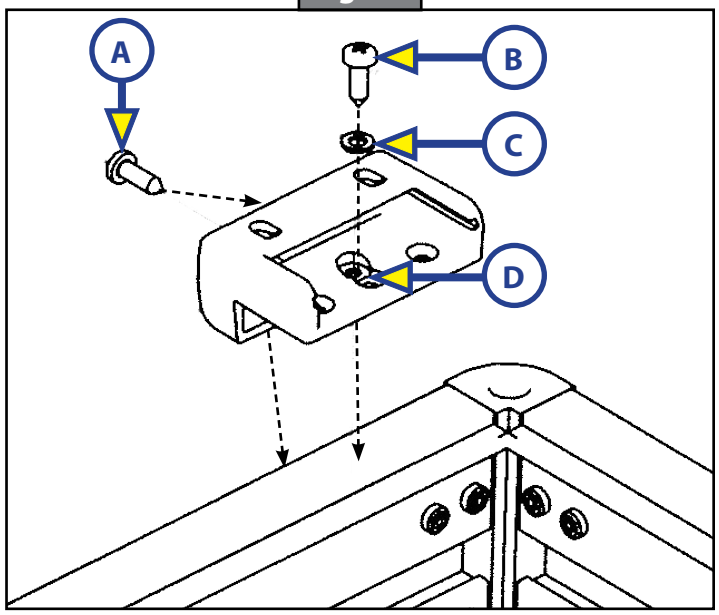
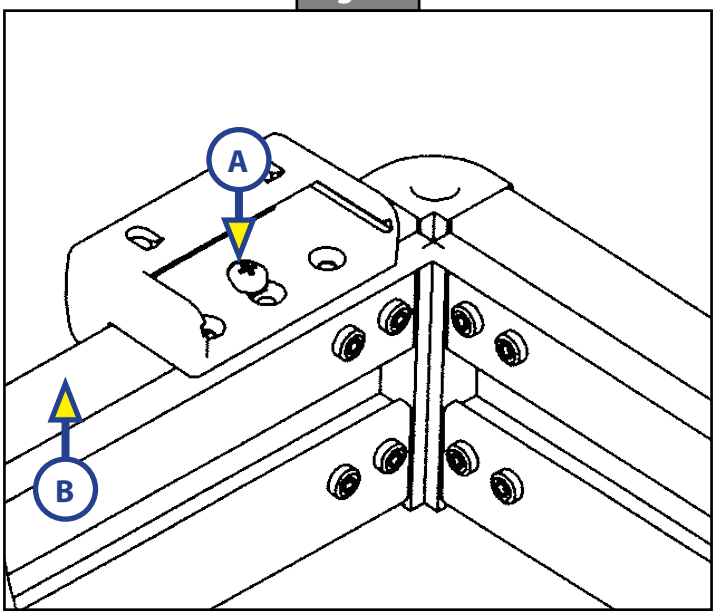


Fig. 15



Stabilizer Guide Track Bracket

Make sure to keep a minimum 5 mm (13/64 in) distance (Fig. 12A) between the two belts on each side of the bed lift. Install the stabilizer guide track brackets (Fig. 12D) as close as possible to the side of the bed (Fig. 12C) to avoid a tip-over when under load.

NOTE: The stabilizer guide track bracket (Fig. 16A) locations may vary per bed.

1. Place the stabilizer guide track bracket (Fig. 16A) on the end rail frame, as close as possible to the side of the bed frame.
2. Use a 4.0 mm (5/32 in) drill bit to pre-drill the side hole (Fig. 16B).
3. Install a 4.2 mm x 13mm screw (Fig. 16C) in the side hole of the stabilizer guide track bracket.
4. Use a 4.0 mm (5/32 in) drill bit to pre-drill the top of the end rail hole (Fig. 16D).
5. Install a 4.2 mm x 13 mm screw (Fig. 16E, Fig. 17B) with a #5 washer (Fig. 16F) into the belt bracket top hole (Fig. 16D) and into the end rail (Fig. 17B).
6. Repeat steps 1-5 for the other stabilizer guide track bracket.

Fig. 16

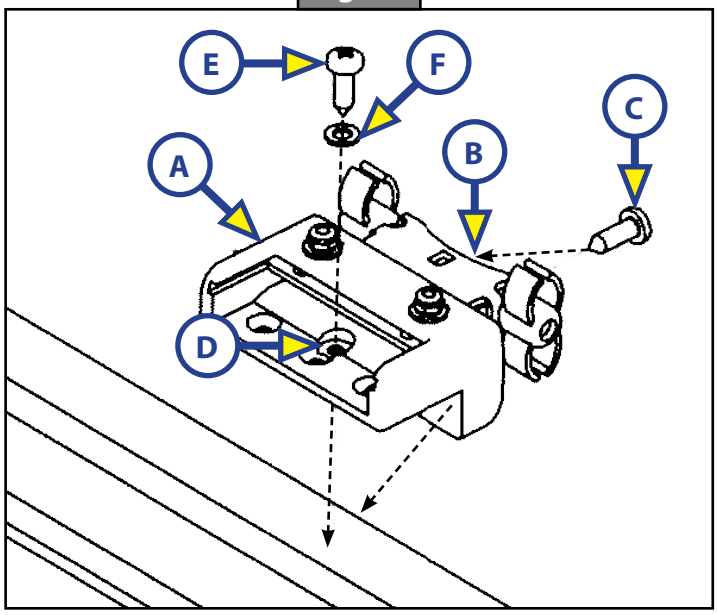
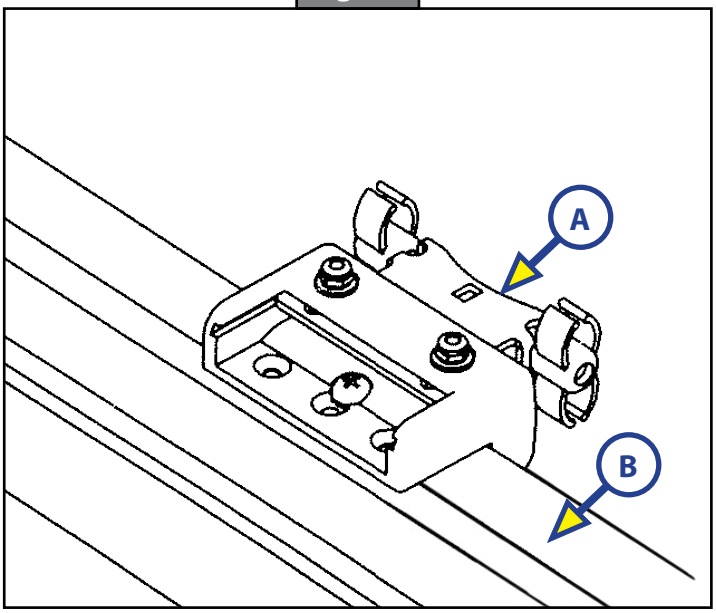


Fig. 17



Belt Mounting Brackets

1. Remove the tape holding the belts in the rolled-up position on the drive shaft.
2. Feed the short belts into the closest end rail belt brackets (Fig. 18A) and feed the long belts into the opposite end rail belt brackets (Fig. 19A).

Fig. 18

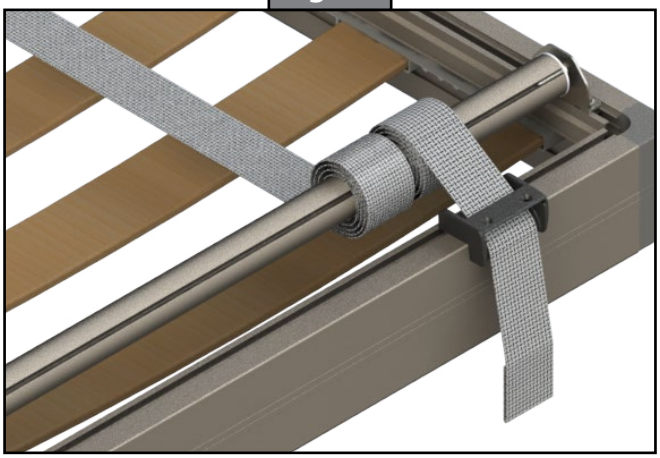
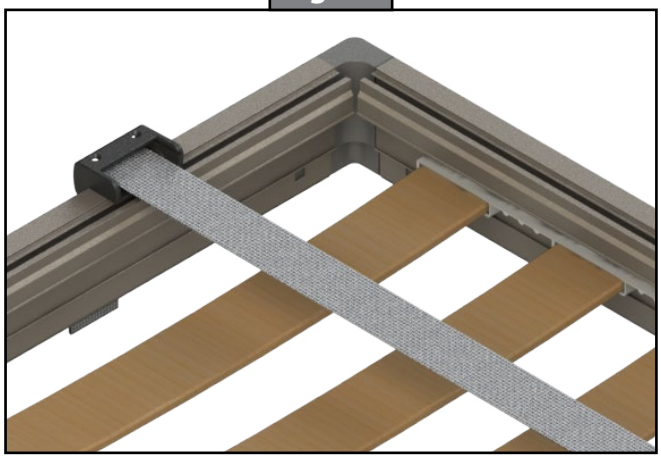


Fig. 19



3. Locate the belt mounting assembly (Fig. 20). Unscrew the nuts (Fig. 21C) and slide the belt plates (Fig. 21B) off the belt bracket (Fig. 21A) and set aside. Do this for all four belt brackets.

Fig. 20

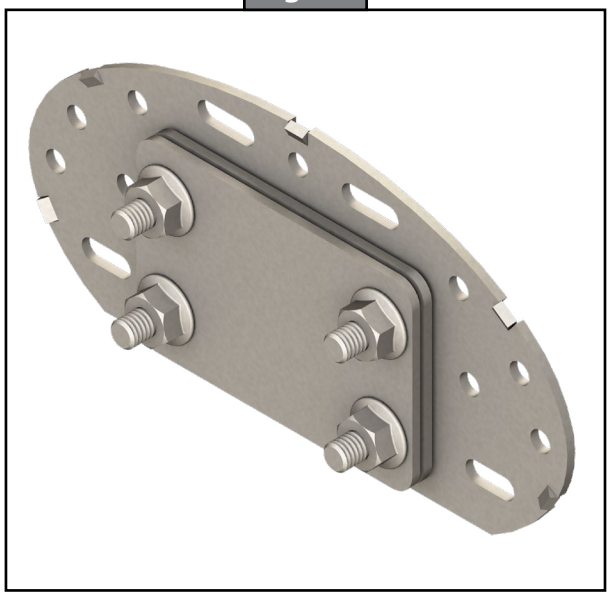
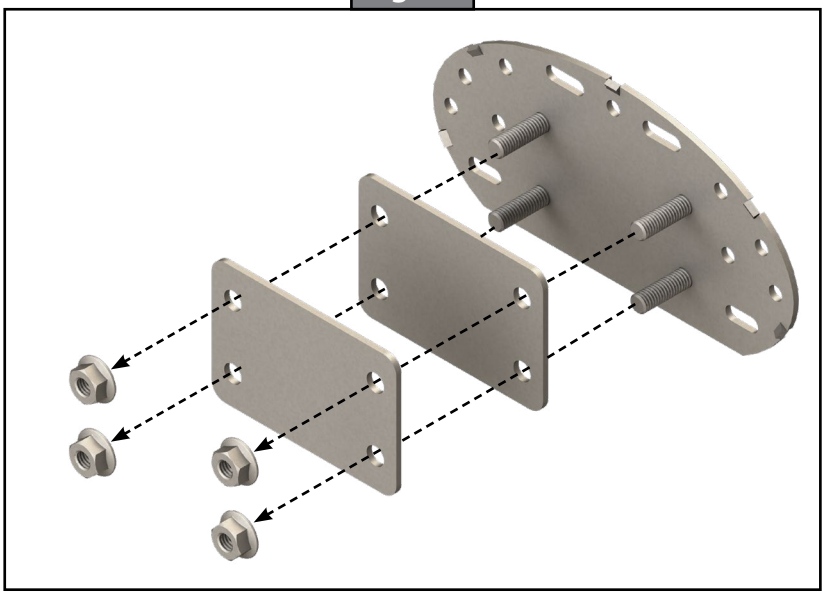


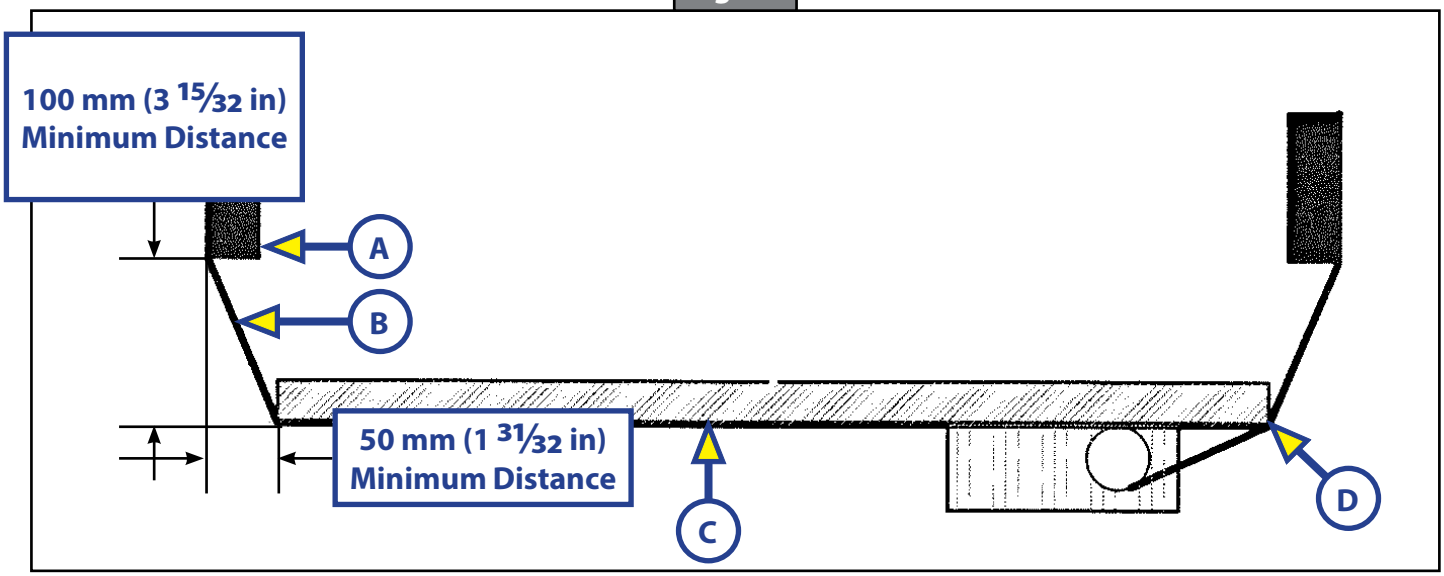
Fig. 21



4. If installing on a unit with aluminum backing in the wall, use a minimum size of #10 x 1" self-drilling screws. If installing on a unit with wood backing in the wall, use a minimum size of #10 x 1" wood screws.
5. Place the bottom side of the bed frame down on level supporting saw horses at the approximate fully retracted position. Make sure the bed frame is level.
6. With the bed frame supported and at the fully retracted position, measure from the desired belt mounting bracket position to the bottom of the bed on both sides. The measurement from the bottom of the belt mounting bracket (Fig. 22A) to the bottom of the bed frame (Fig. 22C) should be at a minimum of 100 mm (3 15/32 in).
   The maximum distance away from the bottom of the belt mounting bracket (Fig. 22A) on the wall to the edge of the rail of the bed frame (Fig. 22D) is 50 mm (1 31/32 in).
7. Mark the measured locations for the brackets.

NOTE: A prefabricated jig may be used for a faster installation of the belt brackets.

Fig. 22



8. Install the belt mounting brackets at the marked locations from step 7, onto wall of the unit with nine #10 x 1" screws.
9. Place the bottom side of the bed frame down on level supporting saw horses at the approximate fully extended position. Make sure the bed frame is level.
10. Extend one belt up from the bed frame, making sure the belt is not twisted and there is no slack in the belt.
11. Wrap the belt (Fig. 23C) over the top of the first belt plate (Fig. 23B). The belt extending up from the bed frame should be in between the belt mounting bracket and the belt plate.
12. Place the belt plate and the belt onto the posts (Fig. 23A) of the belt mounting bracket.
13. Slide the second belt plate (Fig. 24A) onto the posts (Fig. 24B) of the belt mounting plate, against the belt.
14. Install the four previously removed M6 - 1.0 mm hex flange nuts (Fig. 25A) onto the belt mounting bracket posts. Tighten the nuts to 10 ft-lbs.
15. Place a belt mounting bracket cover (Fig. 26A) over the top of the belt mounting bracket (Fig. 26B).
16. Repeat steps 10-15 for the other three belts.

Fig. 23

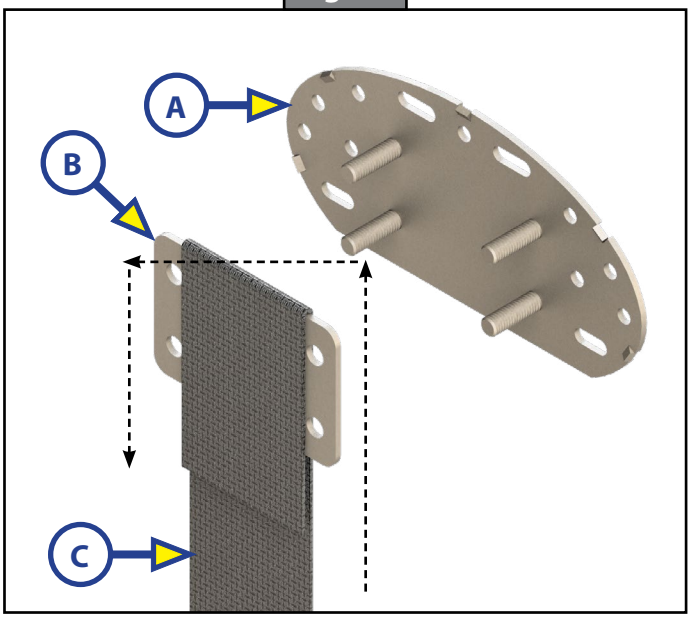


Fig. 24

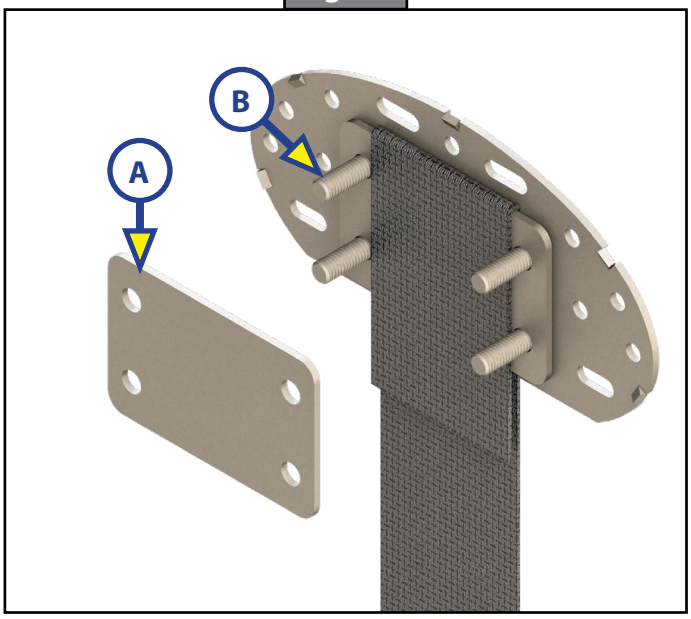


Fig. 25

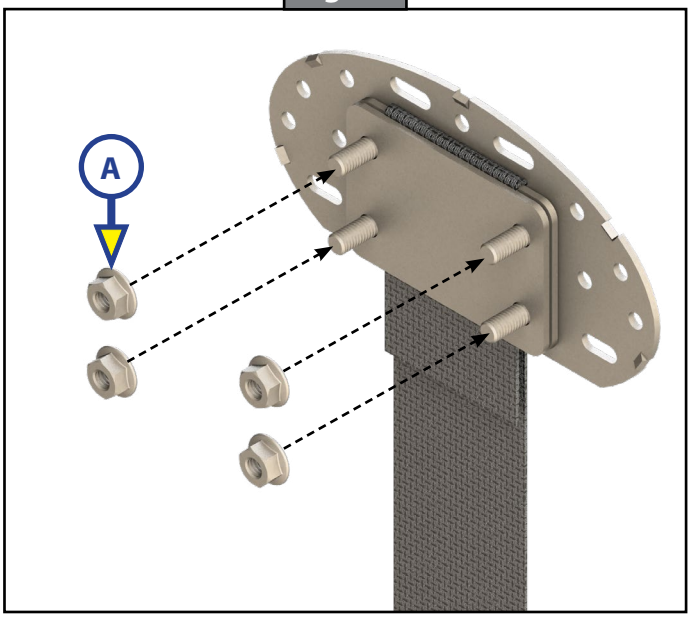
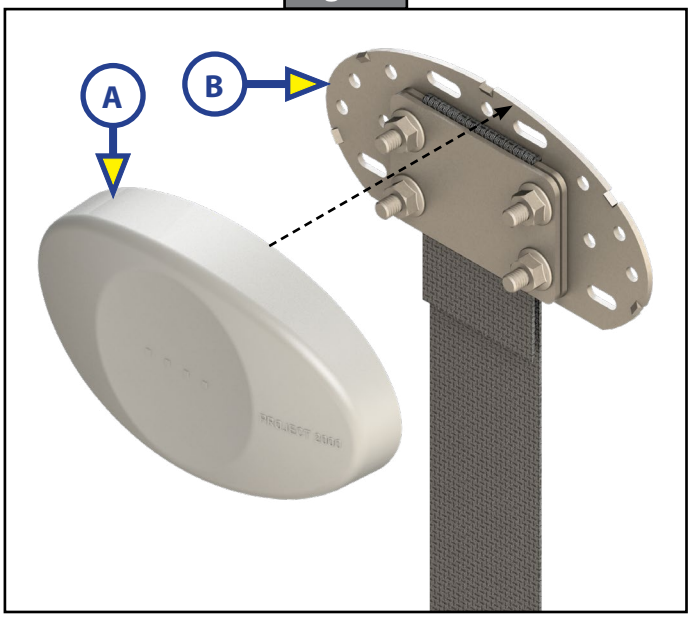


Fig. 26



Stabilizer Channel Guides

Stabilizer Channel Guides have different properties depending on the shape, but generally they should be mounted furthest away from each other, and on the side of the bed facing the front of the vehicle. This is because it's the safest position, since the mass of the bed during braking or crash is at least partially supported by the internal structure and furniture of the vehicle.

NOTE: Prior to installing the stabilizer channel guides, the excess length of the stabilizer channel guides can be removed with a metal cutting tool.

NOTE: Quantity of screws for each stabilizer channel guide depends on the material of the wall and backing of the unit. If installing on a unit with aluminum backing in the wall, use a minimum size of #10 x 1" self-tapping screws. If installing on a unit with wood backing in the wall, use a minimum size of #10 x 1" self-drilling screws.

1. Make sure the bed frame is in the fully extended position.
2. Take the bottom end of the stabilizer channel guide (Fig. 27A) and slide it over the stabilizer guide track bracket roller ends (Fig. 27B).
3. Slide the stabilizer channel guide up to the bottom of the belt mounting bracket.
4. Install three #10 x 1" screws through the stabilizer channel guide; top, middle and bottom, inside the middle of the stabilizer channel guide (Fig. 28A) and into the wall of the unit.
5. Install the decorative top and bottom caps (Fig. 27C) into the top and bottom of the stabilizer channel guide (Fig. 28A).
6. Repeat steps 2-4 for the opposite side.

Fig. 27

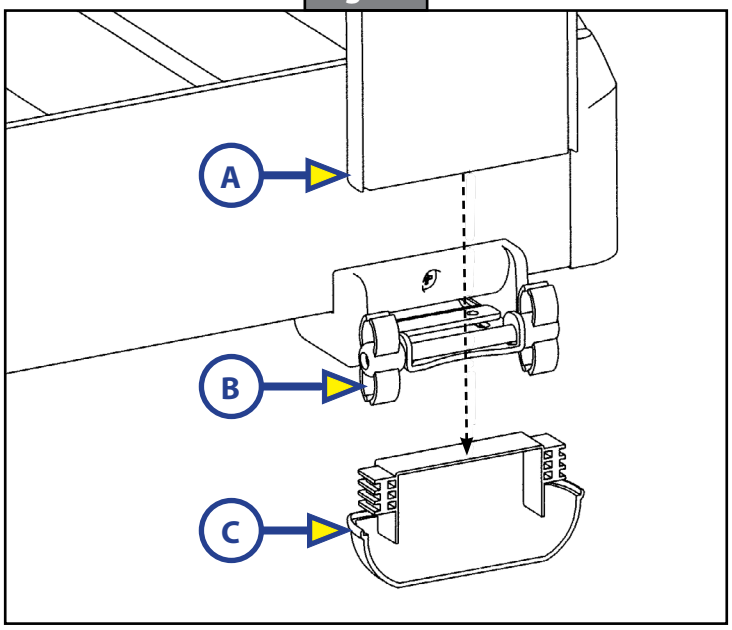
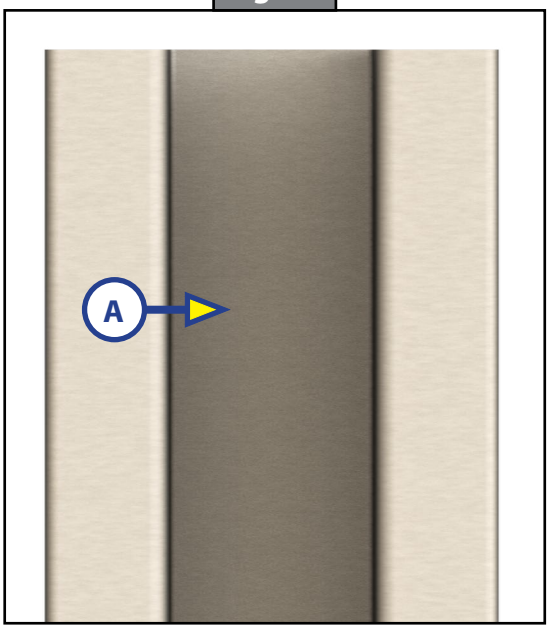


Fig. 28

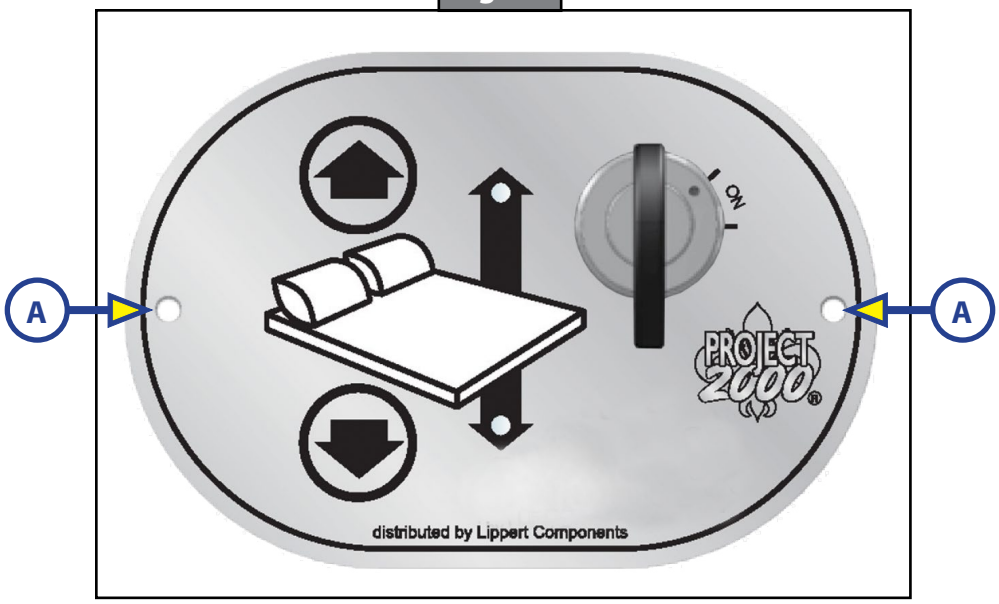


Key Switch

NOTE: If installing on a unit with aluminum backing in the wall, use a minimum size of #10 x 1" self-drilling screws. If installing on a unit with wood backing in the wall, use a minimum size of #10 x 1" wood screws.

1. The Bed Lift switch can be installed in the wall of the unit next to the bed frame or, if installing padded rails to the bed frame, in the padded rails.
2. Cut into the wall or the side panel of the bed an area 3" x 2" x 1" for the switch plate to be installed.
3. Install two #10 x 1/2" screws one screw on each side of the switch plate (Fig. 29A).

Fig. 29



Wiring Harness Connections

To connect the wire harness to components refer to Wiring Diagram (Fig. 30) and do as follows:

1. Install the main wire harness power controller's connector (Fig. 30B) to the power controller's male connector (Fig. 30A).
2. Install the main wire harness ACS (Advanced Control System) connector (Fig. 30E) to the ACS module connector (Fig. 30C). The connecting wire colors are white, yellow, orange and green.

NOTE: The ACS module blue and purple wires (Fig. 30D) are only used to set the ACS module when assembling the components. Disregard these wires for OEM installation.

3. Remove the connector plug (Fig. 30J) from the main wire harness power and directional wires. This plug is only used when testing the system.
4. Splice the yellow and orange wires (Fig. 30H) to the corresponding yellow and orange wires of the switch harness non-connector end (Fig. 30G).
5. Splice the red and black wires (Fig. 30I) to the corresponding red and black wires of the switch harness non-connector end (Fig. 30G). The 20A circuit protection should be wired between the switch and the main power source or battery (Fig. 30L).
6. Install the switch harness connector end (Fig. 30F) to the back of the switch (Fig. 30K).
7. Install the main wire harness motor connector (Fig. 30M) to the motor's female connector (Fig. 30N).

For Reference Only

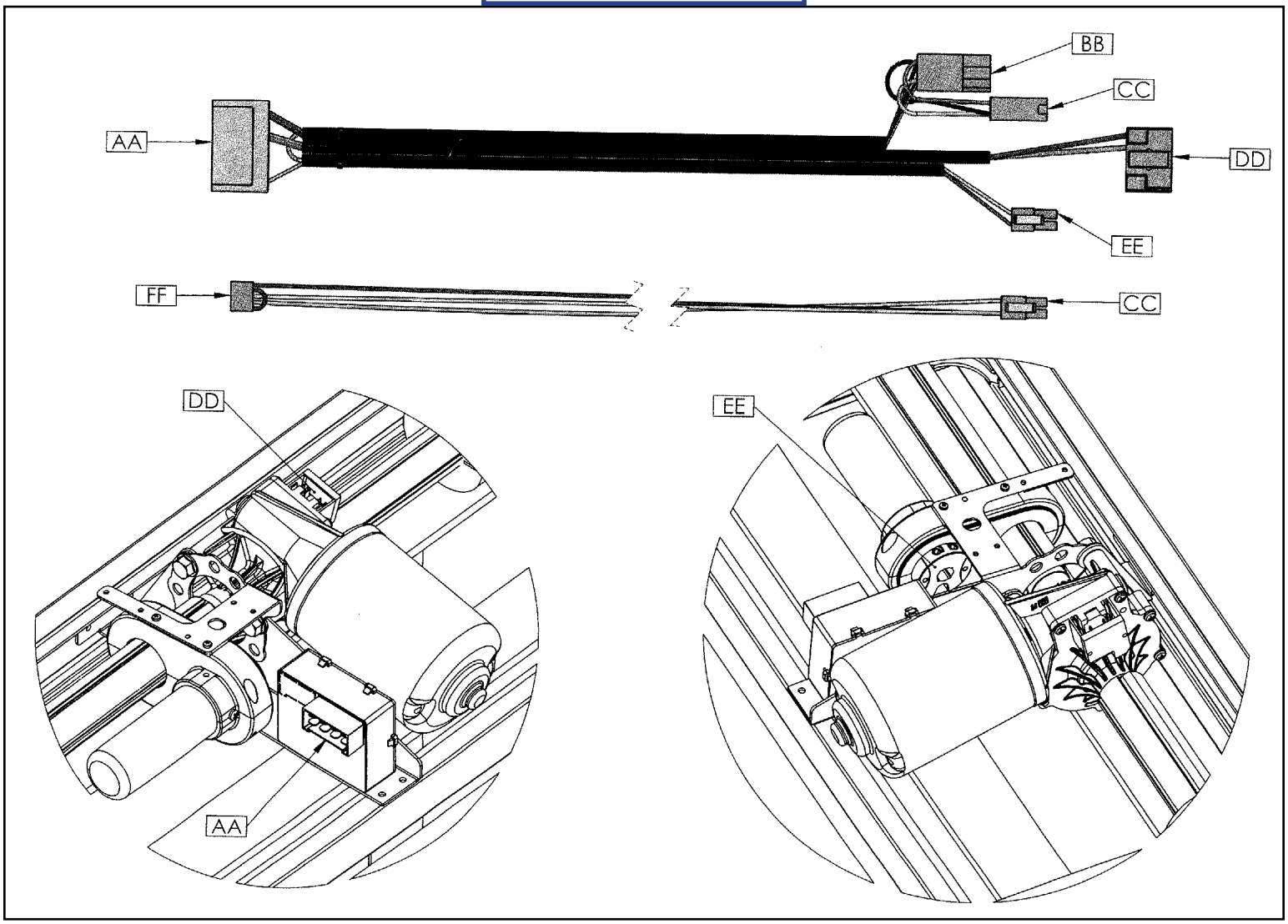
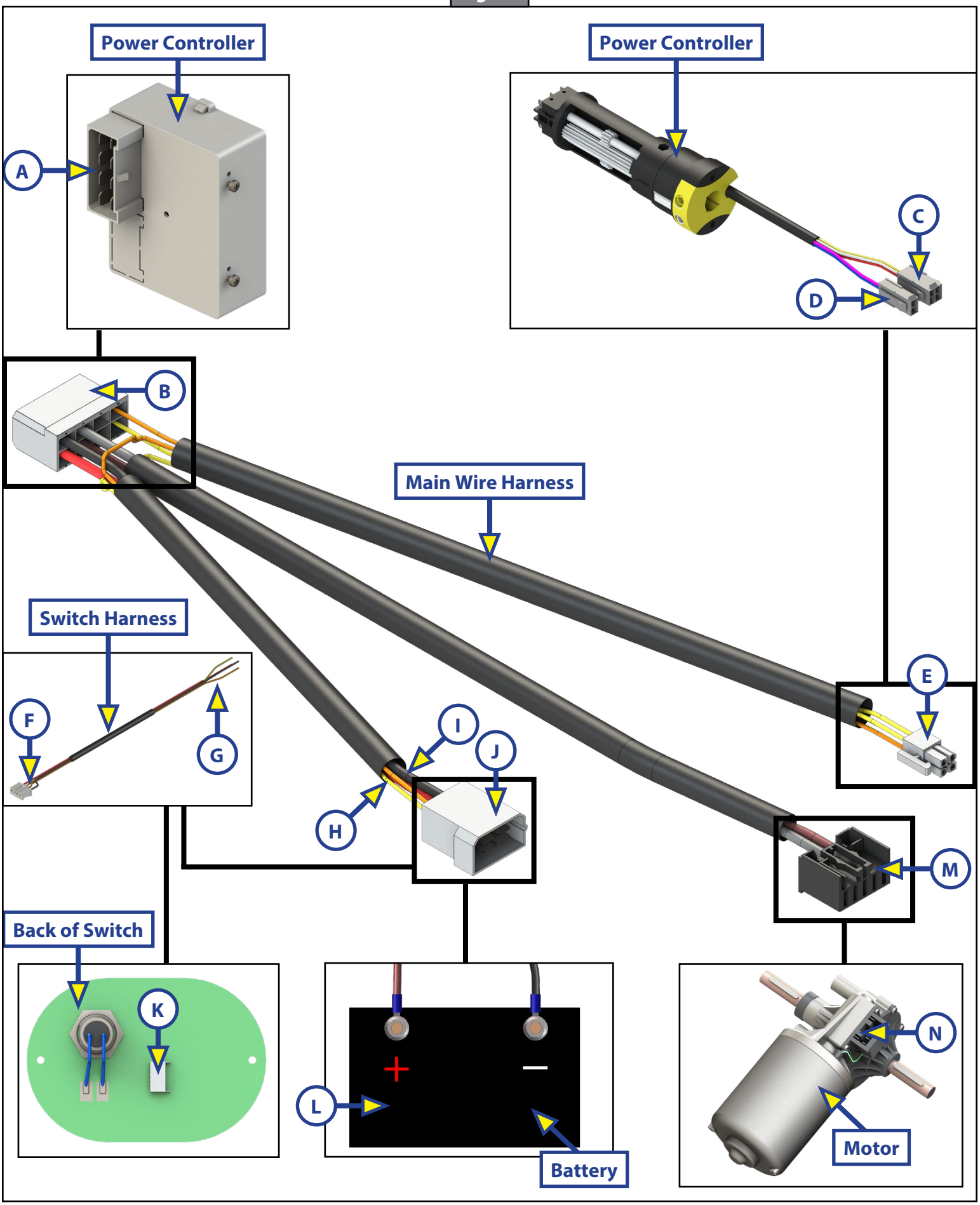


Fig. 30

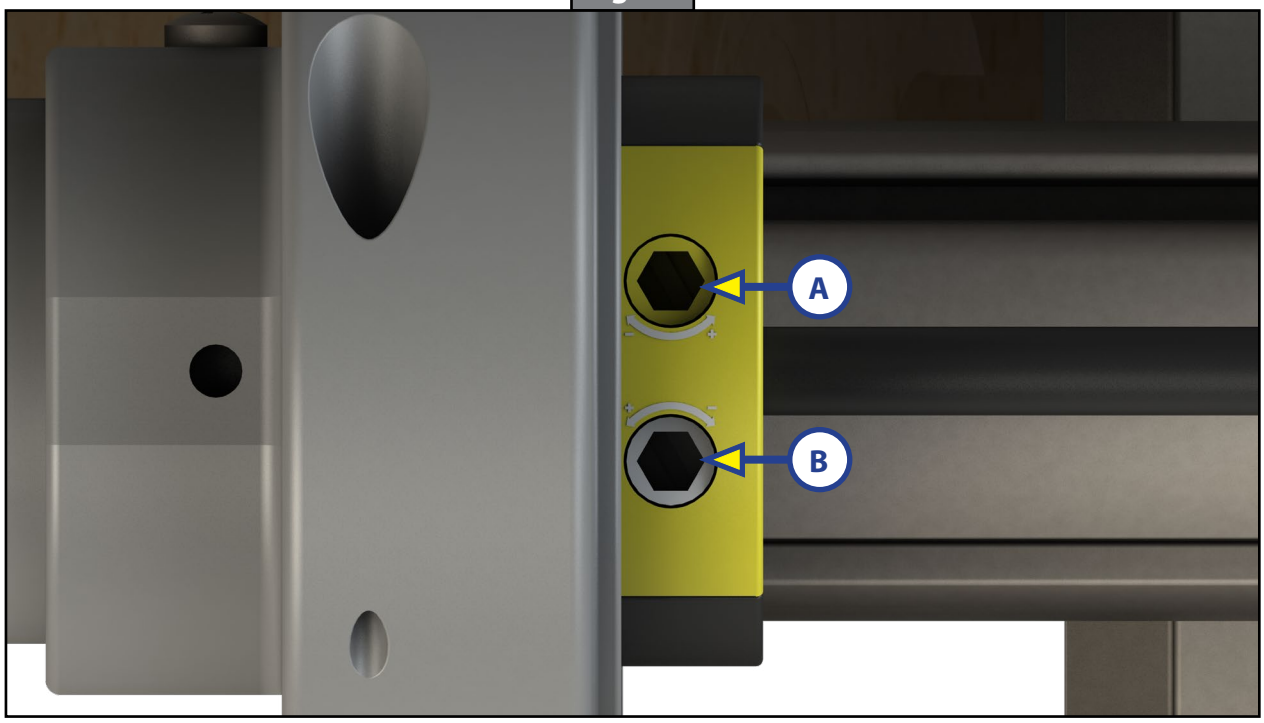

Power Controller
Power Controller
A
B
C
D
Main Wire Harness
Switch Harness
E
F
G
H
I
J
M
Back of Switch
K
L
N
Battery
Motor

Setting the ACS Stop Procedure

Setting the UP Position

1. Make sure the safety belts are unfastened.
2. Turn the key switch to the ON position (Fig. 37D) located on the key pad.
3. Press and hold the UP arrow-shaped button (Fig. 37A) on the key pad. A green LED light (Fig. 37C) on the key pad will turn on in the direction the bed is moving. The bed will keep moving until the pre-set stop position is reached.
4. If the bed lift stops too low, turn the white screw (Fig. 31B) in the ACS module counterclockwise. This will allow the bed lift to move higher. If the bed lift stops too high, turn the white screw (Fig. 31B) clockwise until the bed lift stops lower.
5. One full rotation of the screw is approximately 25.4 mm (1.0 in) of movement up or down.
6. Press the UP arrow (Fig. 37A) and DOWN arrow (Fig. 37B) to run the bed lift system after each adjustment of the screw. If necessary, repeat this procedure until desired stop location is obtained.

Fig. 31



Setting the DOWN Position

1. Make sure the safety belts are unfastened.
2. Turn the key switch to the ON position (Fig. 37D) located on the key pad.
3. Press and hold the DOWN arrow-shaped button (Fig. 37B) on the key pad. A green LED light (Fig. 37C) on the key pad will turn on in the direction the bed is moving. The bed will keep moving until the pre-set stop position is reached.
4. If the bed lift stops too high, turn the yellow screw (Fig. 31A) counterclockwise. This will allow the bed lift to move lower. If the bed lift stops too low, turn the yellow screw (Fig. 31A) clockwise until the bed lift stops higher.
5. One full rotation of the screw is approximately 25.4 mm (1.0 in) of movement up or down.
6. Press the UP arrow (Fig. 37A) and DOWN arrow (Fig. 37B) to run the bed lift system after each adjustment of the screw. If necessary, repeat this procedure until desired stop location is obtained.

Flex Track For Wires

Prior to installing the flex track, make sure the Bed Lift is in its fully extended position.

1. Position the flex track under the bed frame, where the wiring is that needs to be protected.

NOTE: The Flex Track is designed so that it only articulates or bends in one direction. Do not attempt to bend the Flex Track in a direction it does not freely move. Doing so will cause damage to the Flex Track and hinder its operation.

2. Mount the flat end of the Flex Track to the bed frame (Fig. 32A), using the two provided wood lag screws (Fig. 32B) through the channel slots (Fig 32C) on the mounting bracket (Fig. 32D).
3. Position the mounting plate (Fig. 33A) on the unit wall, as close as possible to the entry point for the wiring to be protected.

NOTE: Make sure the protected wiring is not pinched by the mounting plate.

Fig. 32

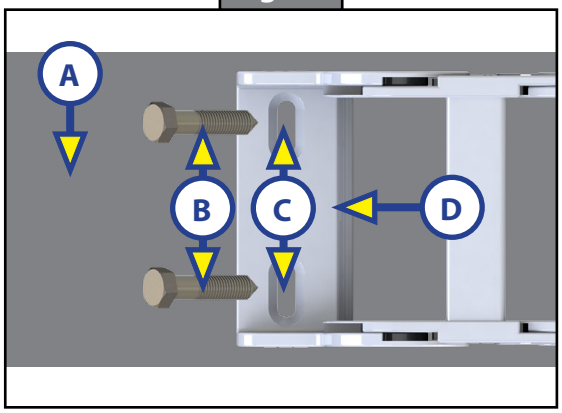
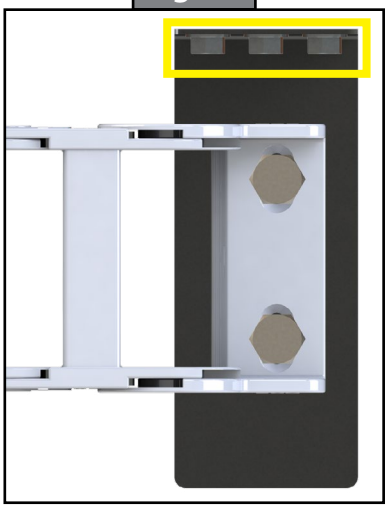


Fig. 33



4. Fasten the mounting plate to the bottom of the bed lift with three provided wood lag screws (Fig. 33B).
5. Attach the remaining loose end of the Flex Track to the mounting plate with two provided wood lag screws (Fig. 33C), through the channel slots (Fig. 33D). The Flex Track must remain as horizontal as possible, and parallel to the bottom of the bed lift. Small adjustments can be made with the channel slots.
6. After the Flex Track has been properly installed, it can now be utilized to protect and guide vital wiring to the Bed Lift. One side of the Flex Track is equipped with the unique retaining tabs (Fig. 34A) that allow wires to run through its interior. If installed properly, the Flex Track retaining tabs will be located on the outer diameter of the Flex Track assembly. To secure the loose wiring, press the item to be secured firmly against the retaining tab (Fig. 34A). The retaining tab will momentarily give way, capturing the loose wiring, before returning to its closed position.
7. Continue securing the length of the wires (Fig. 35).

Fig. 34

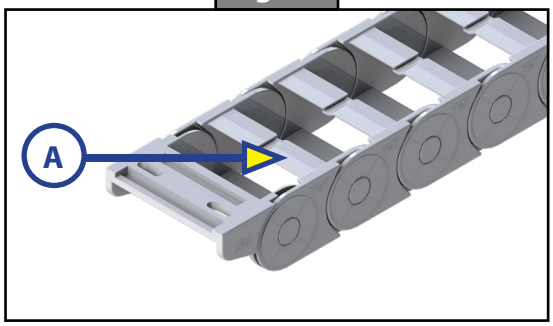
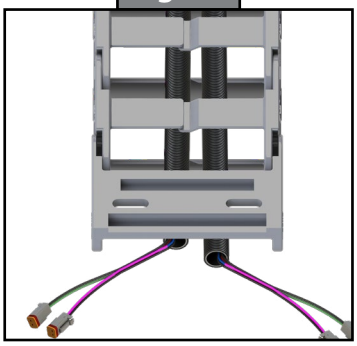


Fig. 35



Safety Belt Harness

The safety belt harness (Fig. 36A and 36B) will need to be fastened one side to the bed frame and the other side to the ceiling of the unit, on both sides of the bed frame. In some cases it's better to have the female plug (Fig. 36B) on the ceiling, in other cases it's better to have it on the bed frame. Actual fastening methods and materials may be dictated by the project plans or applicable local codes.

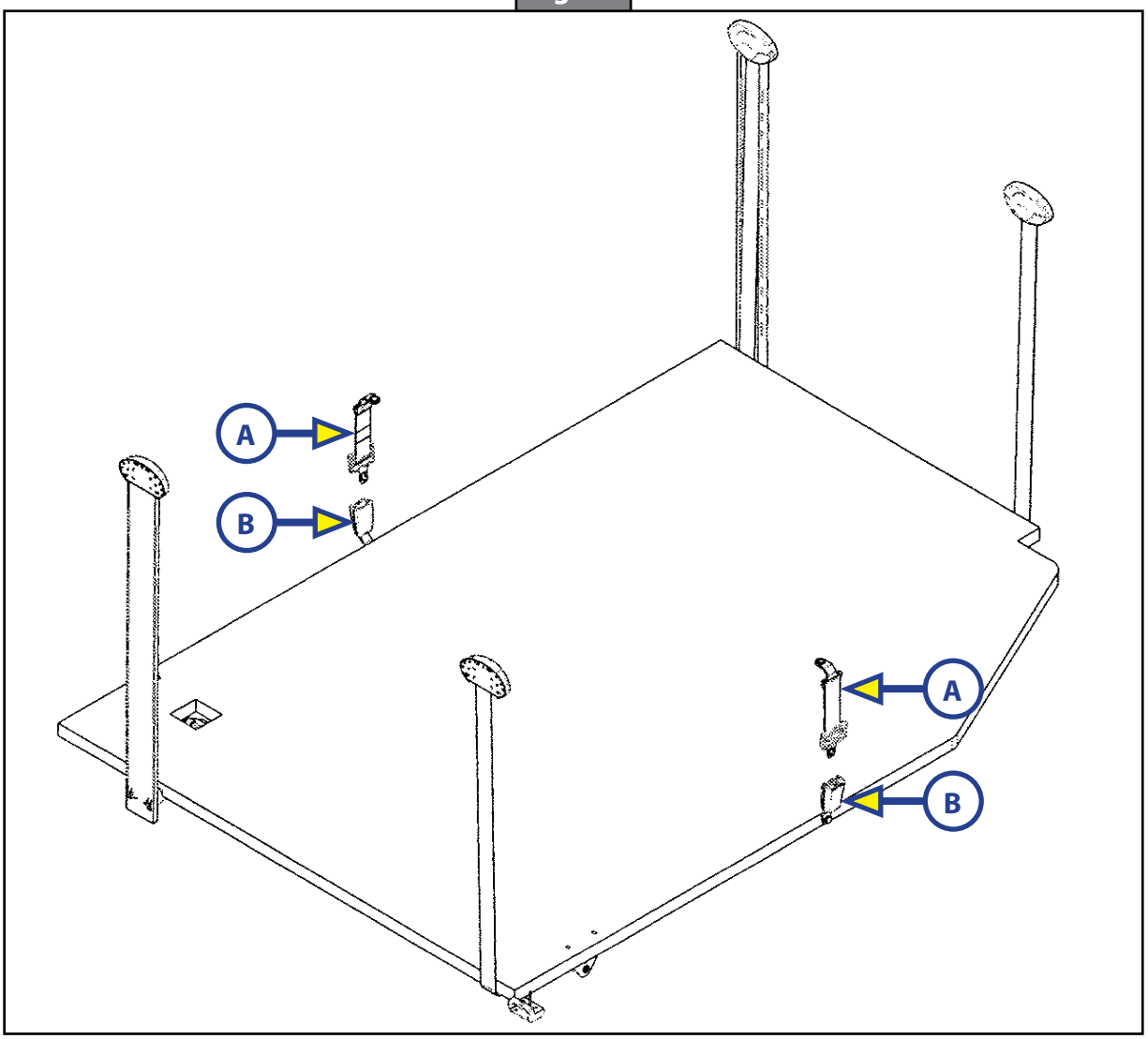
Fastening and wiring methods may also be directed by a professional engineer. Usually a plate is used to fasten the male side (Fig. 36A) to a surface.

An electrical connector on the female plug (Fig. 36B) will need to be wired to a relay positioned between the power supply and the control switch of the bed, so if the safety belt is connected the bed will not move.

1. Make sure the bed lift is in the highest retracted position.
2. Install the safety belt harness to the bed and ceiling on both sides of the bed.
3. Wire the safety belt harness female plug (Fig. 36B) ends into a relay between the power source and the power controller connector on the main wire harness.

NOTE: Wiring and relay must meet all appropriate electrical and installation codes.

Fig. 36



Operation

⚠WARNING

Always make sure that the Bed Lift path is clear of people, pets and objects before and during operation. Always keep away from the slide rails when the bed is being operated. Do not allow people or pets on bed while bed is in motion.

Prior to Operating the Bed Lift System

⚠WARNING

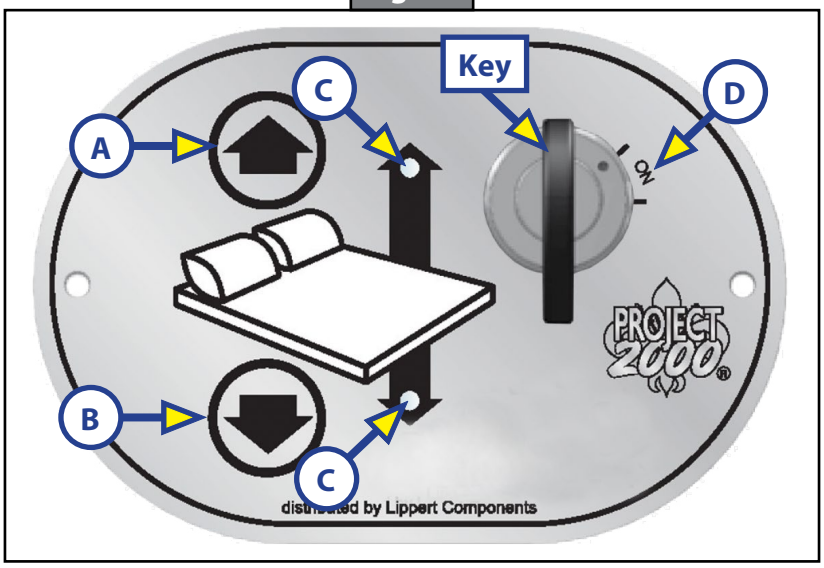
The bed lifting system must never be used while the vehicle is in motion.

1. Make sure the vehicle is parked, secured and stabilized before starting operations.
2. Set the parking brake, if applicable.

Lowering the Bed Lift

1. Unfasten the safety belt harnesses on both sides of the bed lift.
2. Turn the key switch to the ON position (Fig. 37D) located on the keypad.
3. Press and hold the DOWN arrow-shaped button (Fig. 37B) on the keypad. A green LED light (Fig. 37C) on the keypad will turn on in the direction the bed is moving. The bed will keep moving until it reaches the pre-set stop position.
4. The bed will stop moving when the button is released. Continue to press and hold the button until the stop position has been reached.
5. Release the DOWN arrow-shaped button.
6. Turn the key switch to the OFF position.

Fig. 37



Raising the Bed Lift

1. Turn the key switch to the ON position (Fig. 37D) located on the keypad.
2. Press and hold the UP arrow-shaped button (Fig. 37A) on the keypad. A green LED light (Fig. 37C) on the keypad will turn on in the direction the bed is moving. The bed lift will keep moving until it reaches the pre-set stop position.
3. The bed will stop moving when the button is released. Continue to press and hold the button until the stop position has been reached.
4. Release the UP arrow-shaped button.
1. Fasten the safety belt harnesses on both sides of the bed lift.
2. Turn the key switch to the OFF position.

Manual Override

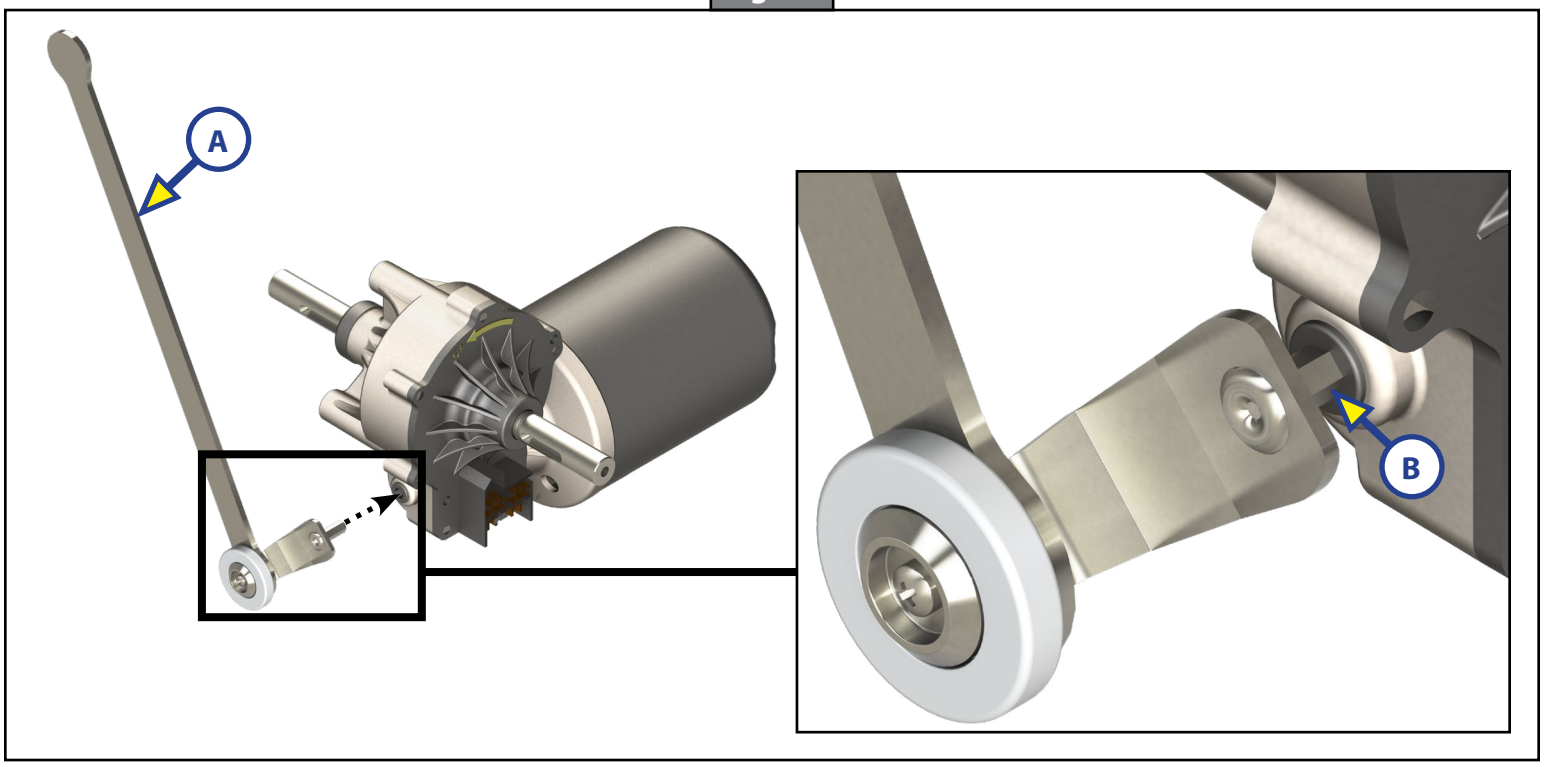
⚠WARNING

Always disconnect from power source before performing any operation on the bed lifting system.

1. To raise or lower the bed lift in case of emergency, it is possible to operate the system manually.
2. Insert the provided crank device (Fig. 38A) into the motor (Fig. 38B).
3. Turn clockwise to raise or counterclockwise to lower the bed.

NOTE: Have the bed lift serviced by an OEM-authorized dealer as soon as possible. Do not operate the bed lift until service is complete, as damage to the bed lift system may result.

Fig. 38



Maintenance

The Bed Lift system has been designed to require very little maintenance. To ensure the long life of the Bed Lift system, read and follow these few simple procedures:

- When the bed is raised, visually inspect the slide rail assemblies.
- Check for excess buildup of dirt or other foreign material.
- Remove any debris that may be present.
- If the system squeaks or makes any noises, blow out any debris from the drive shaft and apply a dry lubricant to prevent and/or stop squeaking.

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