



ICE HOUSE
W/SWITCH OPERATION
OWNER'S MANUAL

L I P P E R T
C O M P O N E N T S ®

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System Information

The Ice House is equipped with pivot axles. The pivot axles offer a smooth operation to lower the ice house without disturbing the ice.

Safety

WARNING

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

WARNING

Lippert Components Inc. recommends that a trained professional be employed to perform inspections, verifications, troubleshooting, and component replacement.

WARNING

Any attempt to perform service while the trailer is supported by the Ground Control 3.0 leveling system could result in death, serious personal injury and/or severe product or property damage.

CAUTION

The "CAUTION" symbol above is a sign that an installation procedure has a safety risk involved and may cause personal injury and/or product or property damage if not performed safely and within the parameters set forth in this manual.

CAUTION

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

Preparation

1. Park the trailer on level and stable ground/ice.

⚠ CAUTION

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

2. Make sure all persons, pets, and property are clear of the trailer before and during operation.
3. Make sure battery(ies) are fully charged and test at 12+V DC under load.

Operation

NOTE: Each jack has an individual extend/retract rocker switch. In addition, there is an all jacks rocker switch, which is mounted roadside on the front jack.

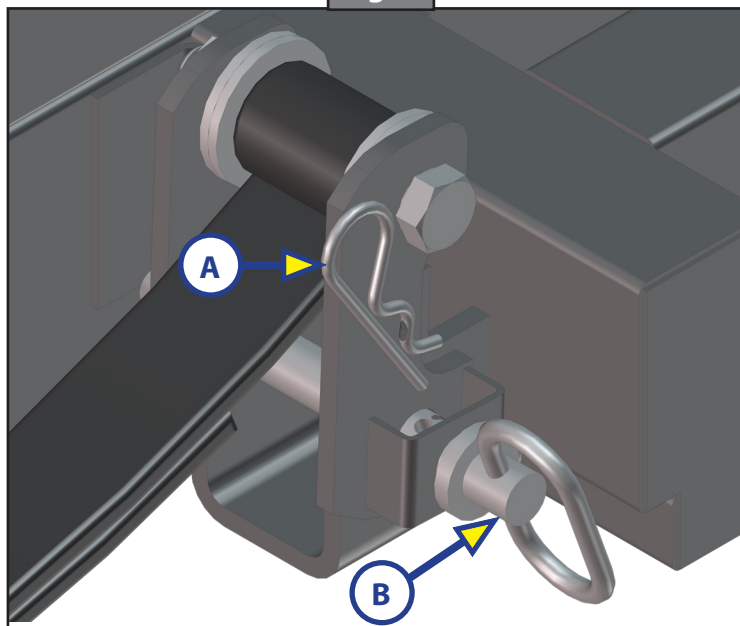
Cabin Mode

1. Extend the front jack by pressing the extend end of the front jack rocker switch, which is mounted curbside on the front jack.
2. Disconnect the trailer coupler from the tow vehicle hitch.
3. Move tow vehicle safely away from the trailer.
4. Extend the rear jacks to make contact with the ice or ground by either:
 - A. Pressing the extend end of the all jacks rocker switch.
 - B. Pressing the extend end of each individual jack rocker switch.
5. Remove the cotter pin (Fig. 1A) from each hitch pin (Fig. 1B).
6. Remove the hitch pins (Fig. 1B) from the axle assemblies to free the axles.
7. Retract all jacks by pressing the retract end of the all jacks rocker switch until the trailer sets flat to the ground or ice.

Travel Mode

1. Extend all jacks by pressing the extend end of the all jacks rocker switch until axle assembly is returned to travel position.
2. Insert hitch pins (Fig. 1B) into each axle assembly and secure the cotter pins (Fig. 1A).
3. Retract rear jacks completely by pressing the retract end of each rear jack rocker switch.
4. Connect the trailer coupler to the tow vehicle hitch.
5. Retract the front jack by pressing the retract end of the front jack rocker switch.

Fig. 1



Maintenance

⚠ CAUTION

Do not mix lithium, calcium, sodium or barium complex greases. Chemical compatibility problems may occur. If you are changing from one chemical grease to another, make sure all old grease is removed prior to applying new grease. If the old grease is not removed completely, chemical compatibility problems may result in component failure or damage.

Grease Specification

LCI recommends a NLGI Grade 2 lithium EP complex grease for all applications contained within this manual. A molybdenum-based grease is preferred.

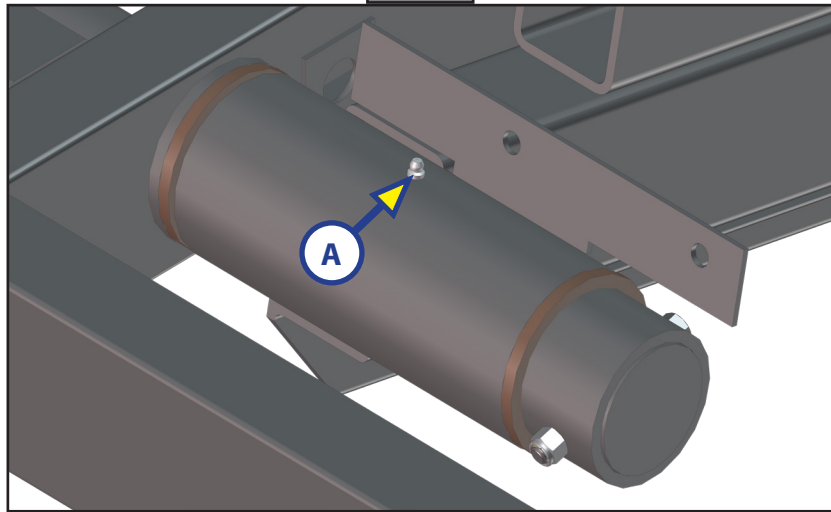
Grease Application

This maintenance must be completed every 3,000 miles or 3 months, which ever comes first.

1. Use a grease gun to grease the zerk (Fig. 2A) located on the front pivot tube.

NOTE: An 80 ml or $\frac{3}{8}$ cup of lithium-based multipurpose grease should be used on each side of the unit.

Fig. 2



Pivot Axle and Brake Maintenance Schedule

Item	Function Required	Weekly	3 Months / 3,000 Miles	6 Months / 6,000 Miles	12 Months / 12,000 Miles
Brakes	Test that they are operational.	At Every Use			
Breakaway System	Check battery charge and switch operation.	At Every Use			
Brake Adjustment	Adjust to proper operating clearance.		◆		
Brake Magnets	Inspect for wear and current draw.			◆	
Brake Linings	Inspect for wear or contamination.				◆
Brake Controller	Check for correct amperage and modulation.			◆	
Trailer Brake Wiring	Inspect wiring for bare spots, fray, etc.				◆
Hub/Drum	Inspect for abnormal wear or scoring.				◆
Wheel Bearing	Inspect for corrosion or wear. Clean and repack.				◆
Seals	Inspect for leakage. Replace if removed.				◆
Springs	Inspect for wear, loss of arch.				◆
Suspension Parts	Inspect for bending, loose fasteners, wear.			◆	
Hangers	Inspect welds.				◆
Wheel Nuts and Bolts	Tighten to specified torque values.		◆		
Wheels	Inspect for cracks, dents, or distortion.			◆	
Tire Inflation Pressure	Inflate tires to manufacturer's specifications.	◆			
Tire Condition	Inspect for cuts, wear, bulging, etc.		◆		
Pivot Shaft	Apply grease through grease zerk (See Grease Specifications section).		◆		

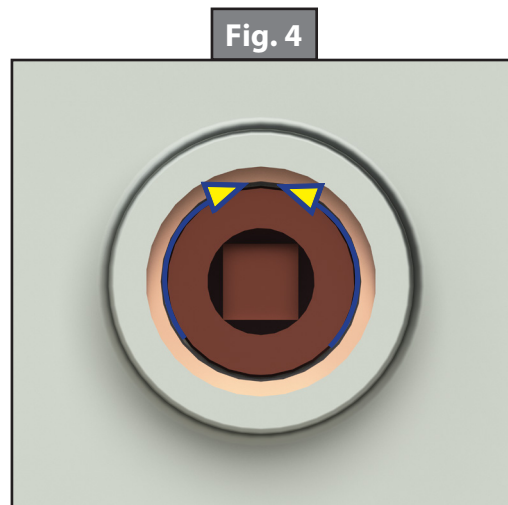
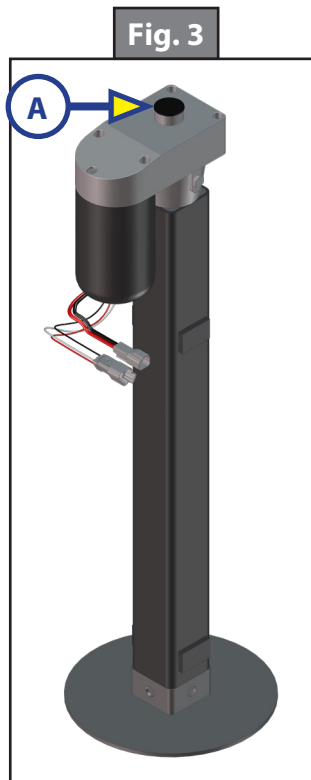
Manual Override - Top of Jack Motor

NOTE: Use of a 12V-18V cordless screw gun or pneumatic screw gun is acceptable to manually override the jacks. Do not use an impact screw gun to perform the override procedure, as this may damage the motor.

If manual override is necessary on any jack in the system, there are two options. The following process will describe how to use the top override.

Tools needed: $\frac{3}{8}$ " drive ratchet and extension (no socket).

1. Find the port on the top of the jack motor (Fig. 3A).
2. Remove the rubber plug.
3. Insert the $\frac{3}{8}$ " drive into the port (Fig. 4).
4. Turn the override either clockwise or counterclockwise until the jack extends or retracts to desired position.

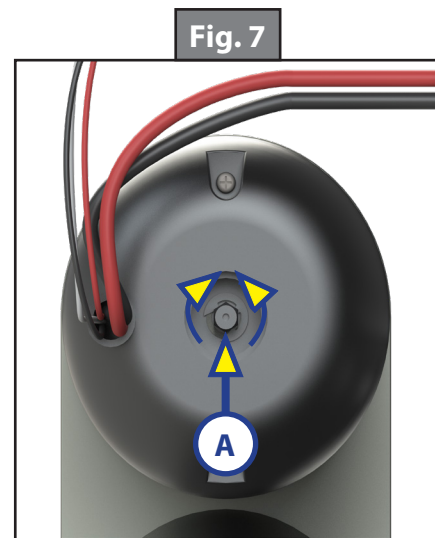
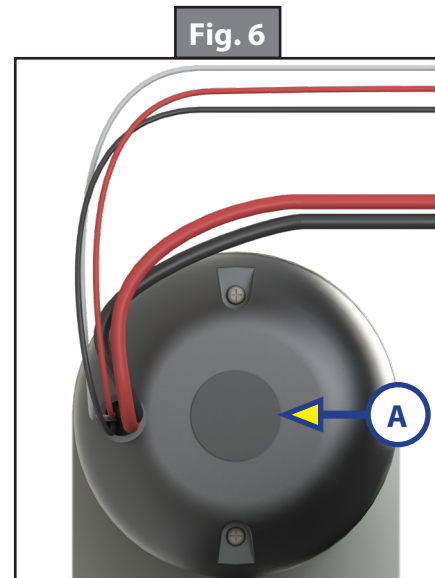
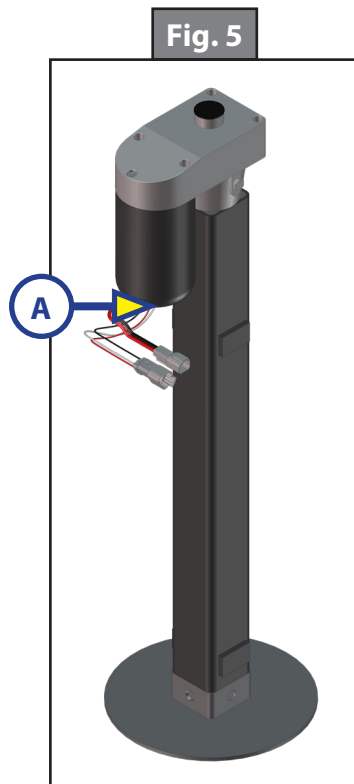


Manual Override - Bottom of Jack Motor

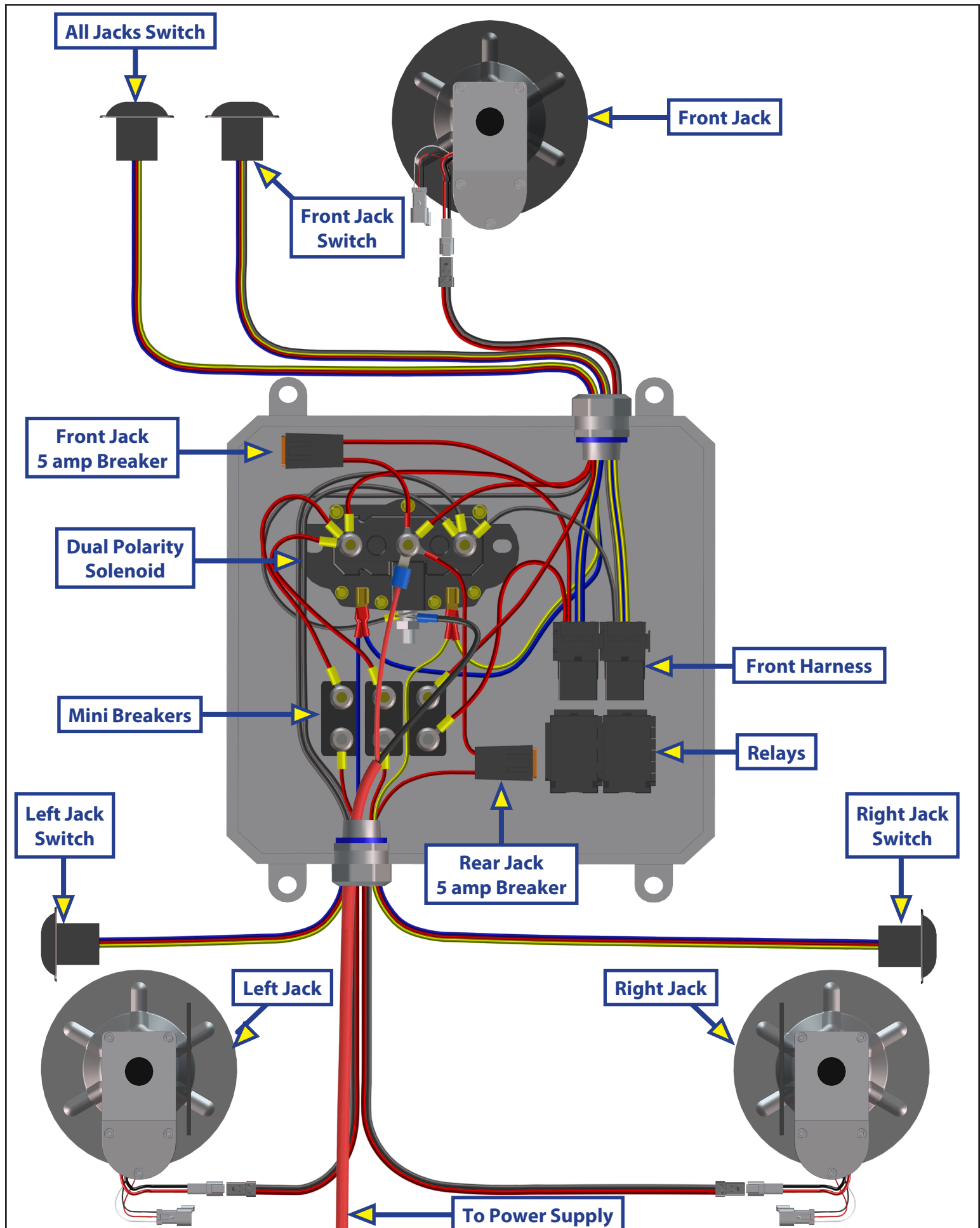
NOTE: Use of a 12V-18V cordless screw gun or pneumatic screw gun is acceptable to manually override the jacks. Do not use an impact screw gun to perform the override procedure, as this may damage the motor.

If manual override is necessary on any jack in the system, there are two options. The following process will describe how to use the bottom override.

1. Find the port on the bottom of the jack motor (Fig. 5A).
2. Remove the rubber plug (Fig. 6A).
3. Insert the $\frac{5}{16}$ " socket into the port (Fig. 7A).
4. Turn the override either clockwise or counterclockwise until the jack extends or retracts to desired position.

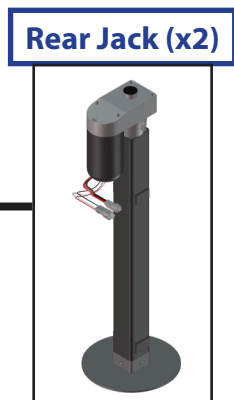
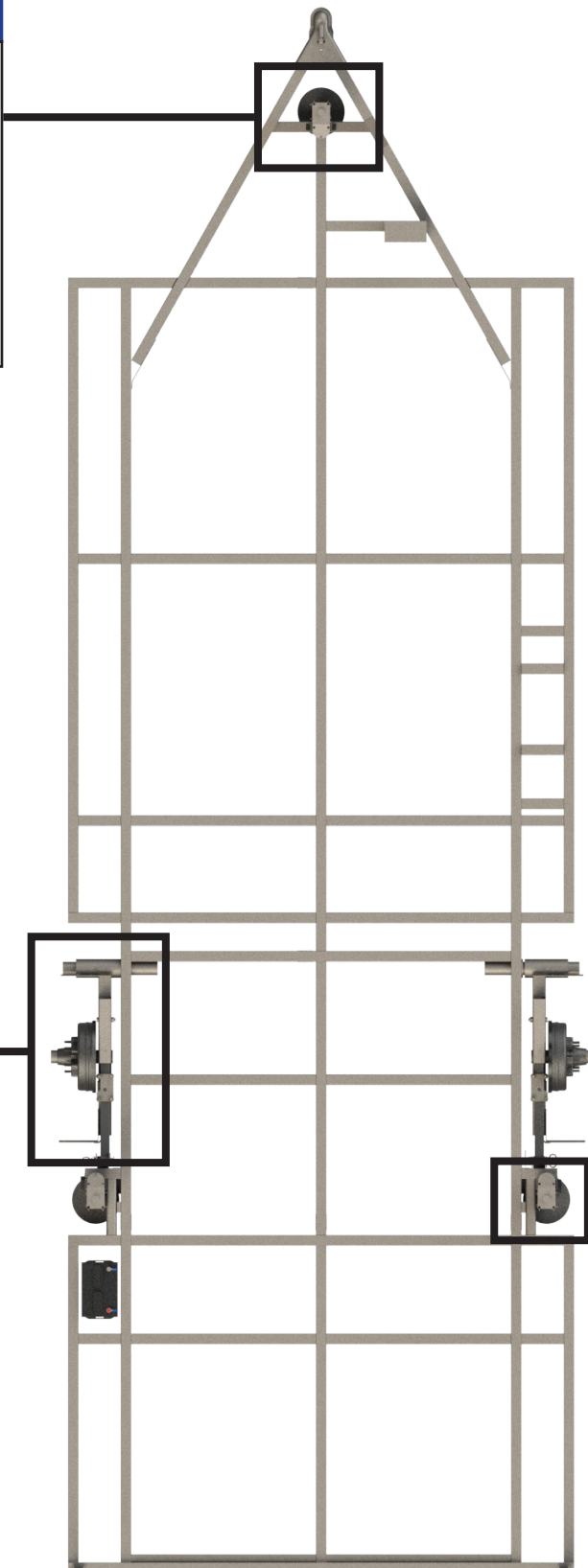
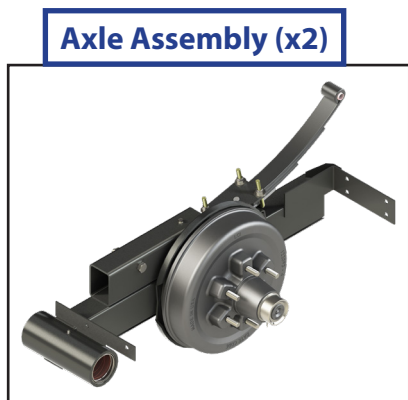
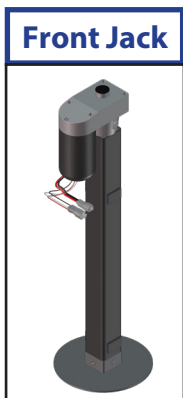


Wiring Diagrams



ICE CABIN (SALEM) ASSEMBLY

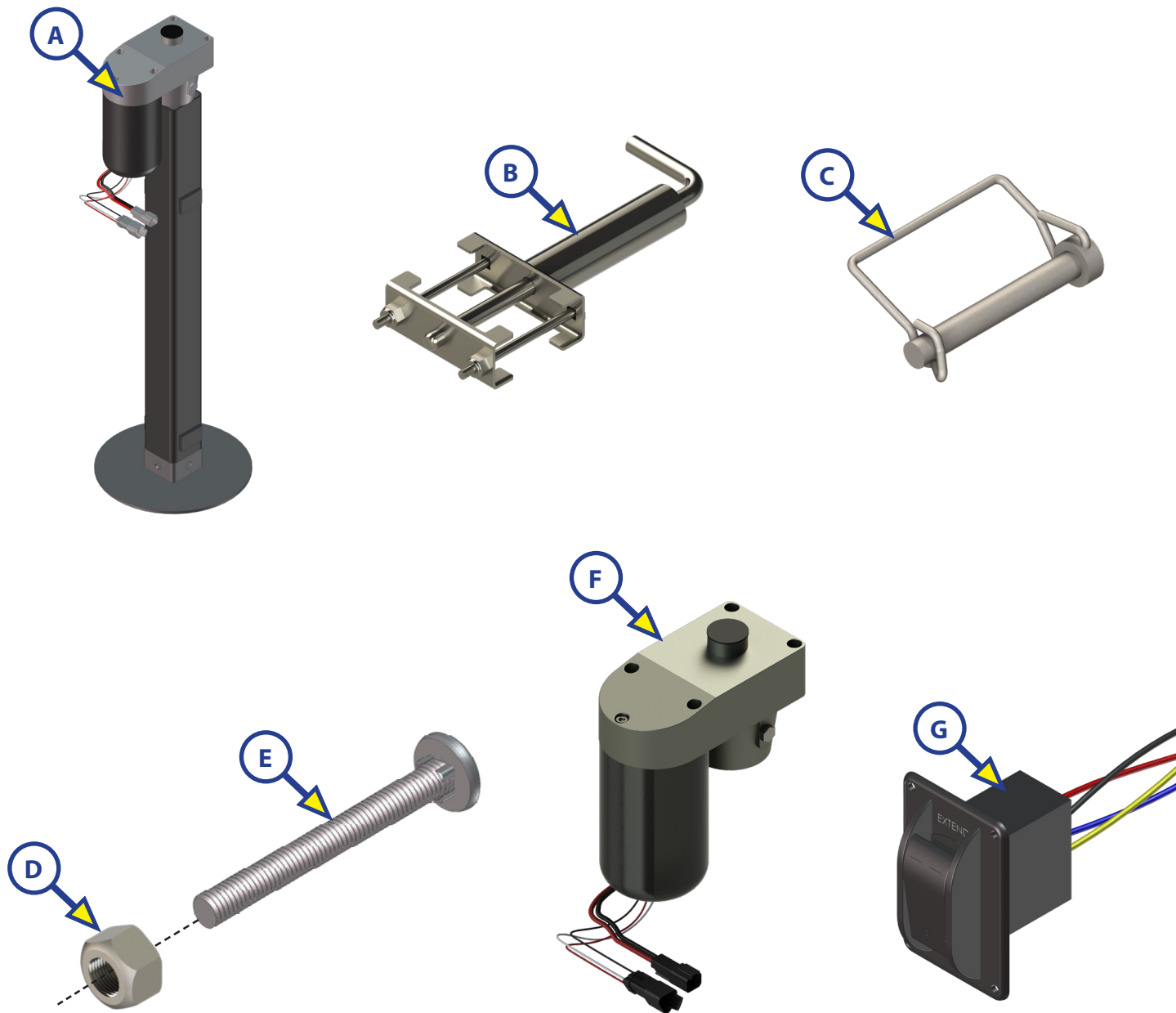
AXLES AND SUSPENSION



ICE CABIN (SALEM) COMPONENTS

AXLES AND SUSPENSION

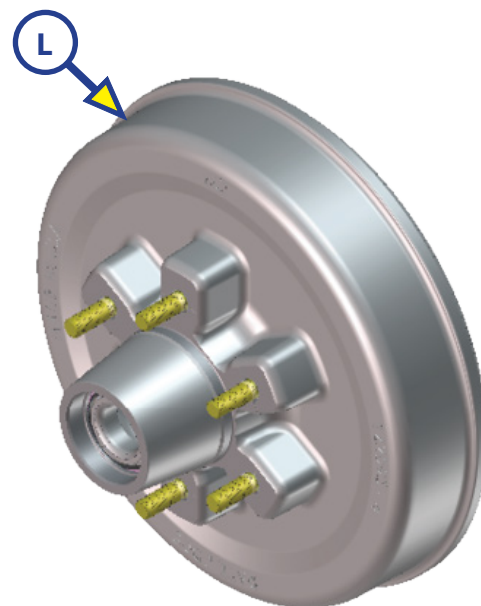
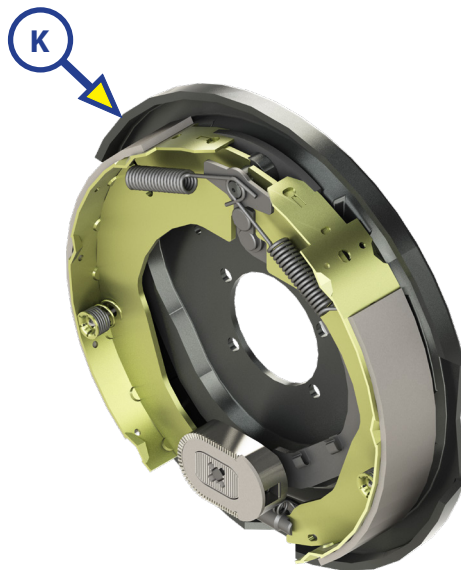
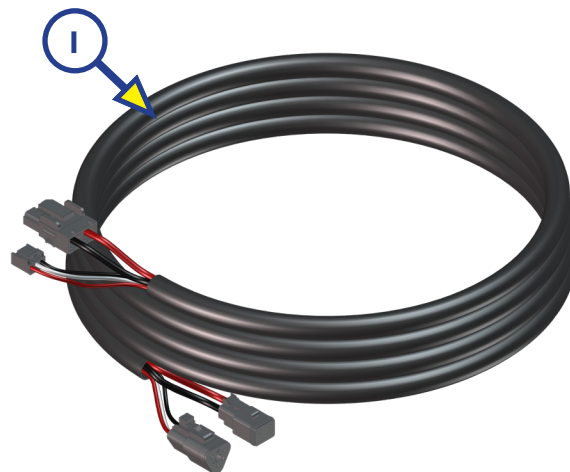
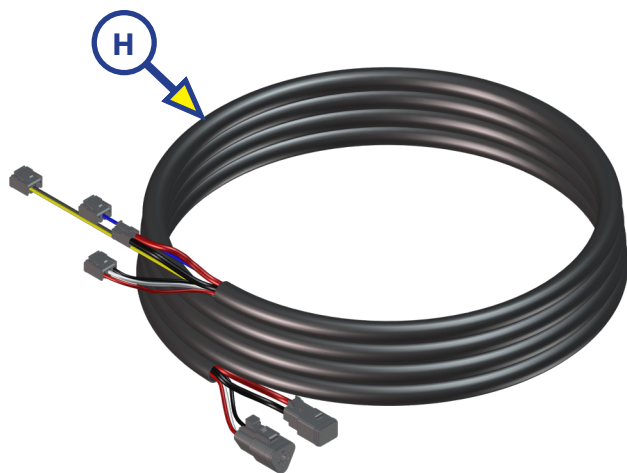
NOTE: Part numbers are shown for identification purposes only. Not all parts are available for individual sale. All parts with a link to the Lippert Store can be purchased.



Callout	Part #	Description
A	354149	Hall Effect Leveling Jack
B	119113	Bolt On Pull Pin
C	225598	Snapper Pin, 3/8 x 3"
D	119073	Nut, 3/8" - 16
E	125878	Bolt, 3/8" - 16 x 3 1/2"
F	343758	Hall Effect Motor
G	344484	Switch

ICE CABIN (SALEM) COMPONENTS

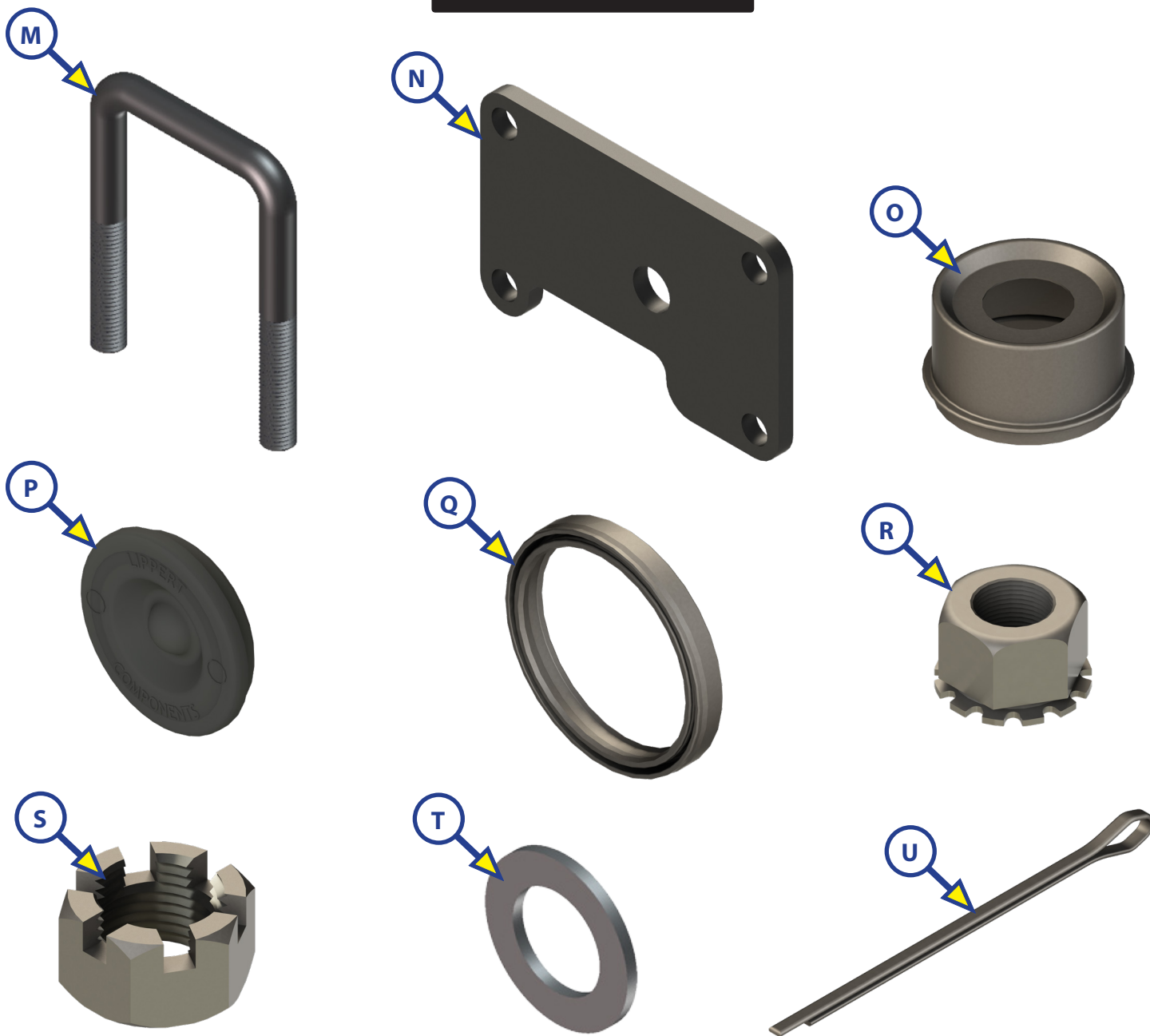
AXLES AND SUSPENSION



Callout	Part #	Description
H	384806	Landing Gear and Switch Harness
I	387498	Leveling Jack Harness, Left
	387499	Leveling Jack Harness, Right
J	298275	LH Brake Assembly
K	298276	RH Brake Assembly
L	122462	Hub Assembly

ICE CABIN (SALEM) ASSEMBLY

AXLES AND SUSPENSION



Callout	Part #	Description
M	257970	U-Bolt
N	257969	Tie Plate
O	122064	Dust Cap
P	122065	Dust Cap Plug
Q	364157	Pivot Axle Grease Seal
R	122077	Locking Nut, 3/8" - 24
S	122081	Castle Nut - 1"
T	119214	Washer - 1" x 1.68"
U	122075	Cotter Pin - 1.75"

Notes

[illegible]



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