P/N 1127298 Rev. E

SHURCO®

DriveMaxx™

OWNER'S MANUAL

Swing Auger Drive Kit

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⚠ SAFETY INSTRUCTIONS

At Shurco®, your safety is our top priority. Please read and thoroughly understand all instructions before operating all equipment. Failure to READ AND FOLLOW INSTRUCTIONS may result in system failure, property damage, or personal injury. Pay close attention to warnings, cautions, and operating instructions. The hazard symbol ⚠ alerts users of potentially hazardous conditions, and is followed by Caution, Warning, or Danger messages to indicate risk:

- **Danger: (Red) Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury.**
- **Warning: (Orange) Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury.**
- **Caution: (Yellow) Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury or damage to the system.**
- **Notice: (Blue) Indicates operational notes or other essential information without addressing safety.**

Regularly inspect equipment to ensure proper performance. Always repair or replace worn or damaged parts immediately to maintain safety. Safety decals are placed at critical locations on the equipment. Keep these decals clean and legible at all times. Replace any decal that is worn, damaged, painted over or otherwise unreadable. Replacement decals can be obtained by your local Shurco dealer.

- **Always wear safety glasses during installation and operation.**
- **Stay clear of moving parts.**
- **No other use of Shurco equipment is authorized, except as designed.**

SHUR-CO, LLC TERMS OF SERVICE

ORDER TERMS AND CONDITIONS

WARRANTY

PATENTS

SERVICE AND DISTRIBUTION CENTERS

SHURCO.com

LOCATIONS

MESSAGE TO OWNERS

Thank you for choosing Shurco® for your tarping system needs. We appreciate your confidence in our products. Please note that while this manual provides comprehensive installation and operation instructions, your trailer may require minor adjustments to these guidelines.

Visit Shurco.com to access the most current version of these instructions and other important product information.

QUESTIONS?

CALL OUR HELP LINE:

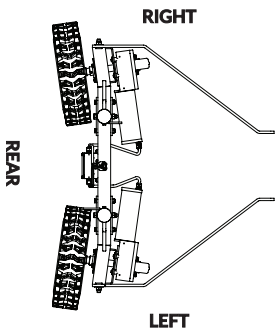
1-866-748-7435

MONDAY-FRIDAY
8 AM-5 PM CENTRAL TIME

MAINTENANCE

- Keep tires inflated
- Ensure electrical connections are clean
- Grease the jacks
- Replace any missing hardware before use

VEHICLE ORIENTATION



REQUIRED TOOLS

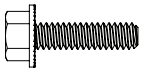
1. #3 Phillips Insert Bit
2. Air or Electric Impact Wrench (3/4" deep socket)
3. 1/2" Deep Socket
4. 3/4" Combination Wrench
5. 1/2” Combination Wrench
6. 1/2" Drill Bit
7. 3/8" Drill
8. Standard/Flathead Screwdriver
9. #2 Phillips Screwdriver
10. Utility Knife
11. Ratchet
12. Pliers
13. Side Cutter
14. Tape Measure
15. 5/16" Nut Driver
16. Aviation Snips
17. Hammer
18. Center Punch or Transfer Punch

PLEASE READ THE COMPLETE MANUAL BEFORE PROCEEDING WITH INSTALLATION OR USE OF THE TARPING SYSTEM.

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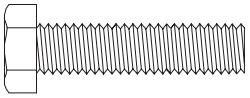
Inspect all parts in your DriveMaxx™ electric kit upon arrival.

A



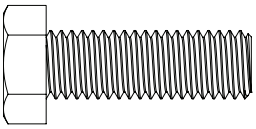
1704308 Flange Cap Screw - #10-24 x 1/2"

B



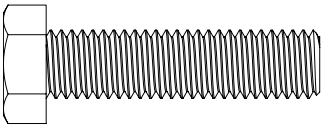
1705719 Hex Head Cap Screw - 3/8" x 1-1/2"

C



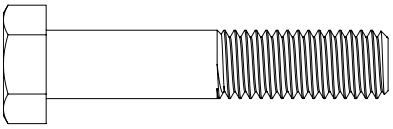
1702075 Hex Head Cap Screw - 1/2" x 1-1/2"

D



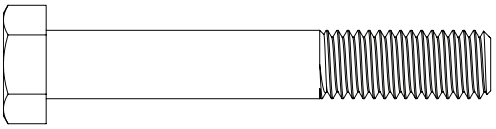
1701042 Hex Head Cap Screw 1/2" x 2"

E



1704041 Hex Head Cap Screw 1/2" x 2-1/2"

F



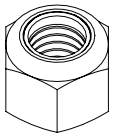
1704808 Hex Head Cap Screw 1/2" x 3-1/4"

G



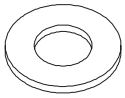
1701580 Nylon Lock Hex Nut - 3/8"

H



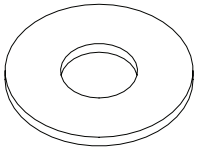
1702115 Nylon Lock Hex Nut - 1/2"

J



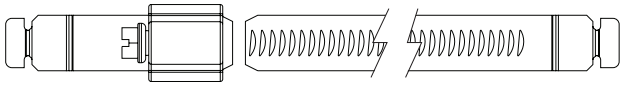
1700429 Flat Washer - 3/8"

K



1702114 Flat Washer - 1/2"

L



1706376 Hose Clamp Fastener Set

M



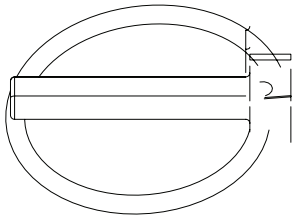
1703231 Cable Tie - 8"

N



1705977 Cable Tie - 60"

P



1701098 Lynch Pin - 5/16" x 1-3/4"

Q



1704751 Harness Lock Pin - 1/4" x 7/8"

Item	Part #	Description
1.	1127464	Drive Brace - 10" to 11"
	1127468	Drive Brace - 11" to 12"
	1127229	Drive Brace - 12" to 13"
	1127424	Drive Brace - 13" to 14"
	1127273	Drive Brace - 14" to 15"
	1127425	Drive Brace - 15" to 16"
	1127274	Drive Brace - 16" to 17"
	1127426	Drive Brace - 17" to 18"
	1127275	Drive Brace - 18" to 19"
	1128621	Drive Brace - 19" to 20"
	1128622	Drive Brace - 20" to 21"
C.	1702075	Hex Head Cap Screw - 1/2" x 1-1/2"
D.	1701042	Hex Head Cap Screw - 1/2" x 2"
E.	1704041	Hex Head Cap Screw - 1/2" x 2-1/2"
H.	1702115	Nylon Lock Hex Nut - 1/2"
K.	1702114	Flat Washer - 1/2"

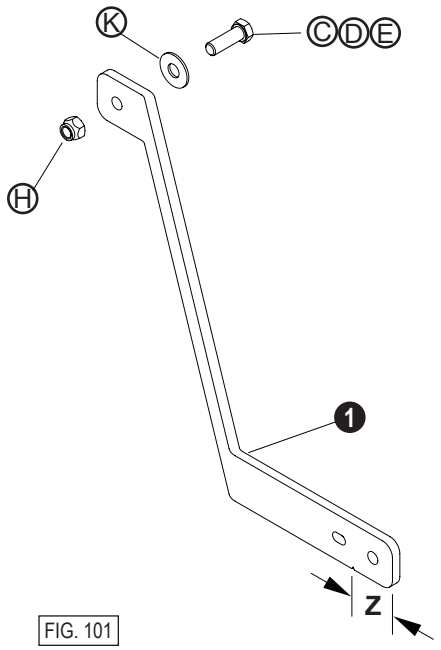


FIG. 101

Z	Part #
2"	1127464
2.25"	1127468
2.5"	1127229
2.75"	1127424
3"	1127273
3.25"	1127425
3.5"	1127274
3.75"	1127426
4"	1127275
4.25"	1128621
4.5"	1128622

STEP 1: Find existing transition box pivot bolt location.

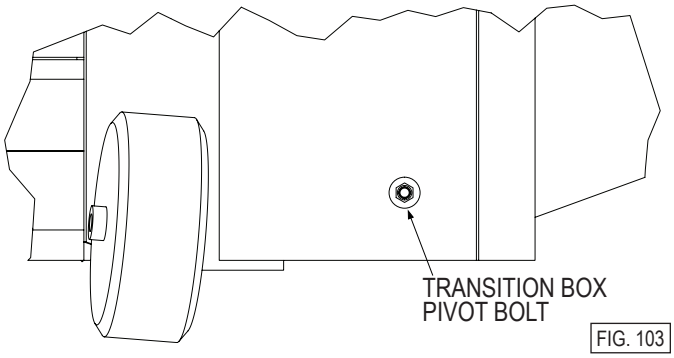


FIG. 103

If transition box does not have pivot bolt, locate and drill a 1/2 inch hole approximately centered front-to-back and 8 inches up from ground.

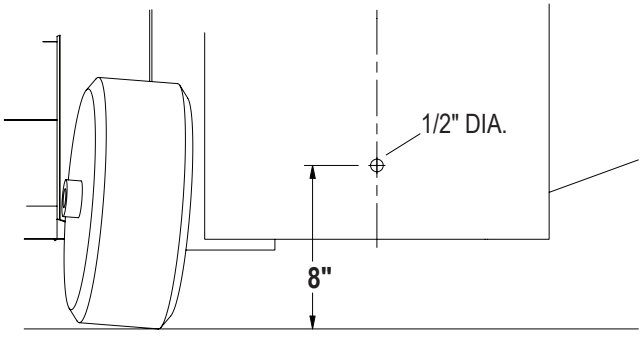


FIG. 105

NOTICE: *Before drilling any holes, verify bolt will not interfere with operation of swing auger.*

STEP 2: If box has flange, measure distance from flange to pivot bolt hole.

- If no flange or if distance *A* is 3-1/2" or greater, continue to STEP 3A.
- If flange is between 2-1/2" and 3-1/2", skip to STEP 3B.
- If flange is less than 2-1/2", skip to STEP 3C.

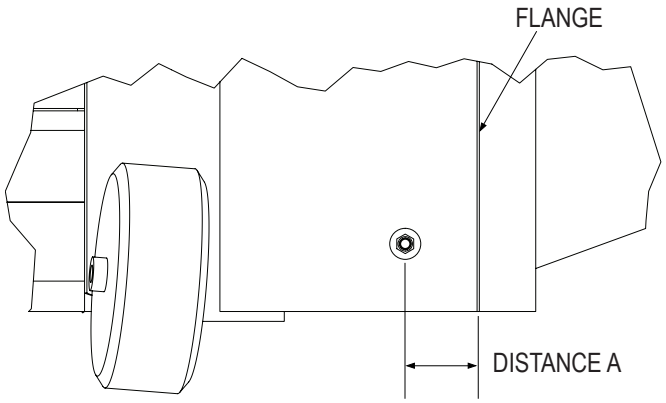


FIG. 107

STEP 3A: If distance A is greater than 3-1/2 inches from flange, or if there is no flange, remove existing hardware. Drill holes to accept 1/2 inch bolt (**C**), if needed. Secure drive brace using bolt (**C**), washer (**K**) and nylon nut (**H**). Hand tighten nut.

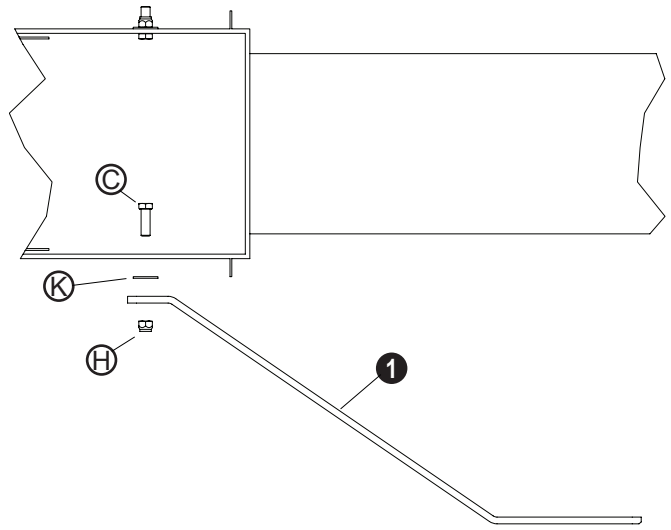


FIG. 109

STEP 3B: If distance *A* is between 2-1/2 and 3-1/2 inches from flange, remove existing hardware. Drill holes in transition box to accept 1/2 inch bolt, if needed. Secure drive brace using bolt (**D**), 1/2 inch stack of flat washer (**K**) and nylon nut (**H**). Hand tighten nut.

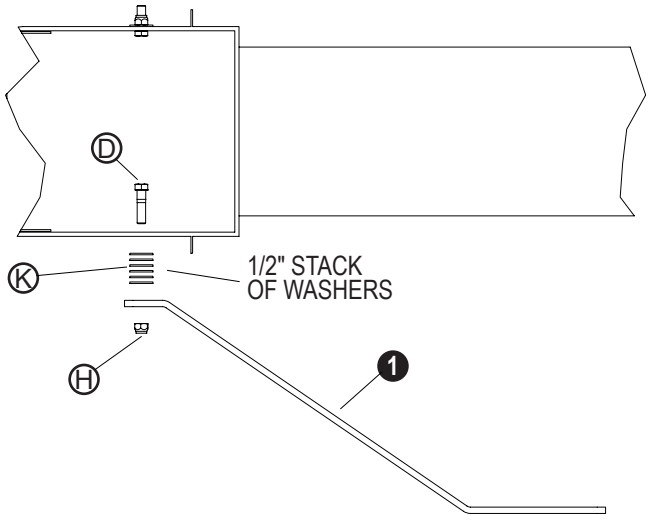


FIG. 111

NOTICE: *Measure stack of washers; thickness can vary.*

STEP 3C: Distance A is less than 2-1/2 inches from flange, remove existing hardware. Drill holes in transition box to accept 1/2 inch bolt, if needed. Secure drive brace using bolt (**E**), 1 inch stack of flat washer (**K**), and nylon nut (**H**). Hand tighten nut.

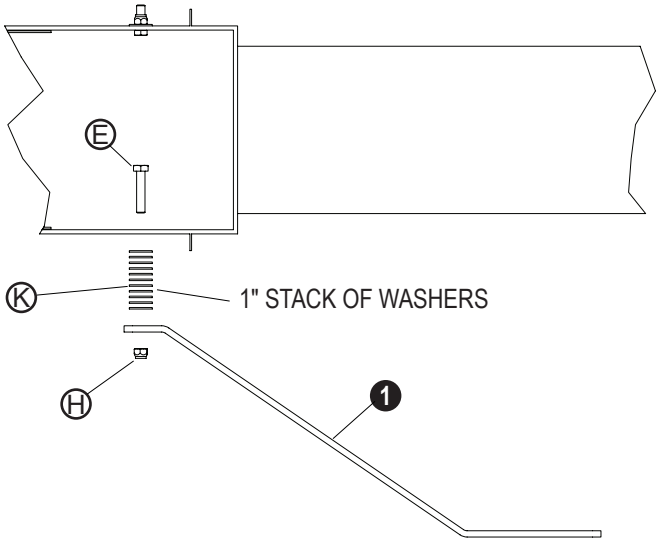


FIG. 113

NOTICE: *Measure stack of washers; thickness can vary.*

STEP 4: Repeat STEP 3 on opposite side.

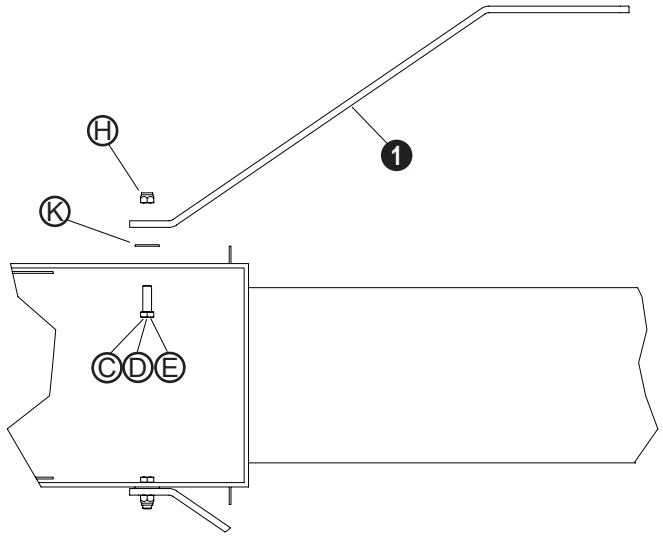


FIG. 115

NOTICE: *Use same bolt and washer stack on both sides.*

Item	Part #	Description
1.	1130023	Main Beam
2.	1127235	Jack 2-Hole
3.	1128578	Jack 2-Hole Dual
F.	1704808	Hex Head Cap Screw - 1/2" x 3-1/4"
H.	1702115	Nylon Lock Hex Nut - 1/2"

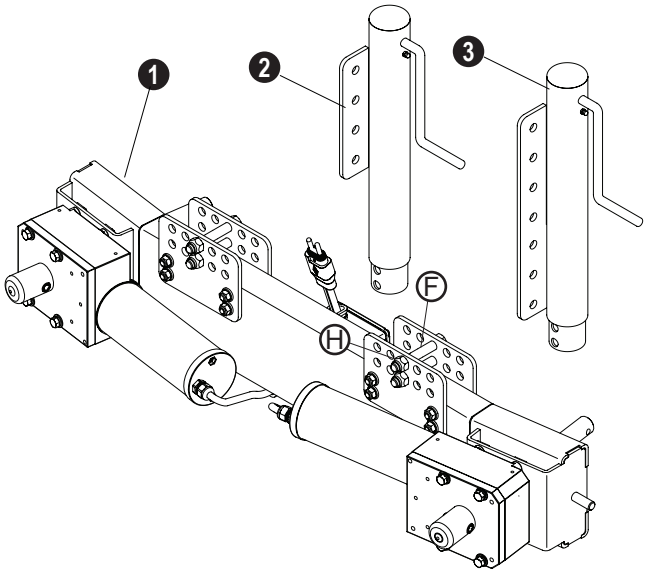


FIG. 117

STEP 1: Remove bolt (F) and nylon nut (H) from main beam.

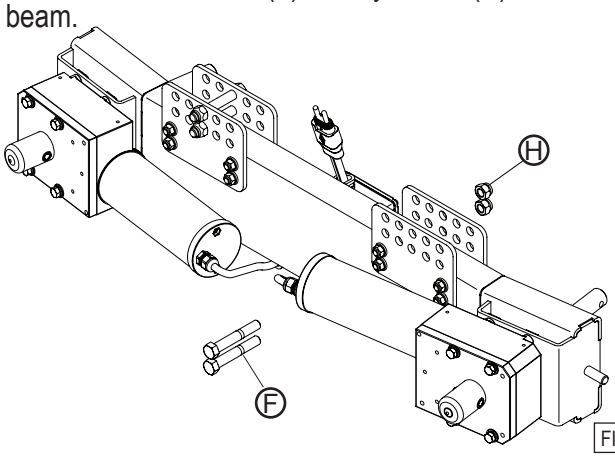


FIG. 119

STEP 2: Locate correct hole in jack bracket for tube size of auger.

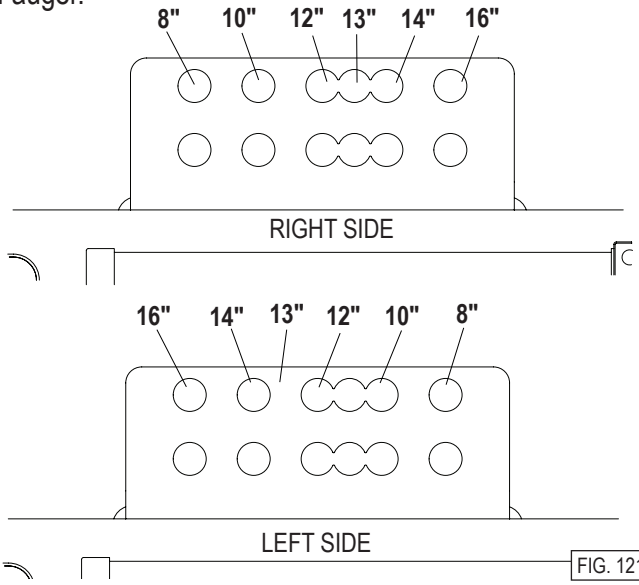


FIG. 121

STEP 3A: While on level ground secure jack (**2**) to main beam with bolt (**F**) and nylon nut (**H**). (For 8 to 12 inches auger tubes.)

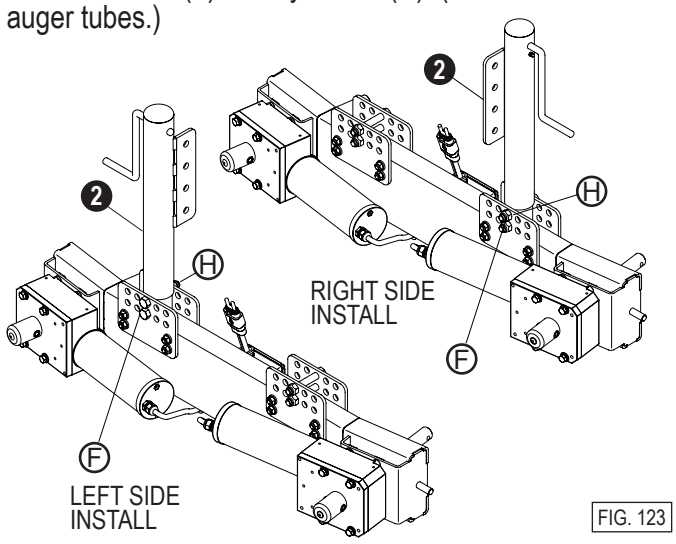


FIG. 123

STEP 3B: While on level ground, secure jack (**3**) to main beam with bolt (**F**) and nylon nut (**H**). (For 12 to 16 inch auger tubes.)

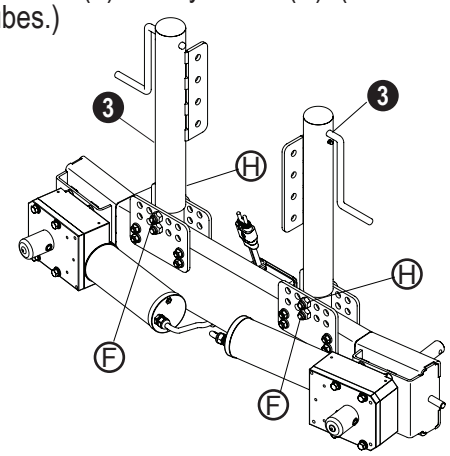


FIG. 125

Item	Part #	Description
1.	1127230	Wheel Counter-Clockwise
2.	1127234	Wheel Clockwise
3.	1127291	Tube Band Jack Mount - 8"
	1127250	Tube Band Jack Mount - 10"
	1127252	Tube Band Jack Mount - 12"
	1127293	Tube Band Jack Mount - 13"
	1127254	Tube Band Jack Mount - 14"
	1127256	Tube Band Jack Mount - 16"
4.	1127282	Tube Band - 8"
5.		For 8" to 12" Auger Tubes
6.		For 13" to 14" Auger Tubes
B.	1705719	Hex Head Cap Screw - 3/8" x 1-1/2"
C.	1702075	Hex Head Cap Screw - 1/2" x 1-1/2"
G.	1701580	Nylon Lock Hex Nut - 3/8"
H.	1702115	Nylon Lock Hex Nut - 1/2"
J.	1700429	Flat Washer - 3/8"
K.	1702114	Flat Washer - 1/2"
P.	1701098	Lynch-Pin - 5/16" x 1-3/4"

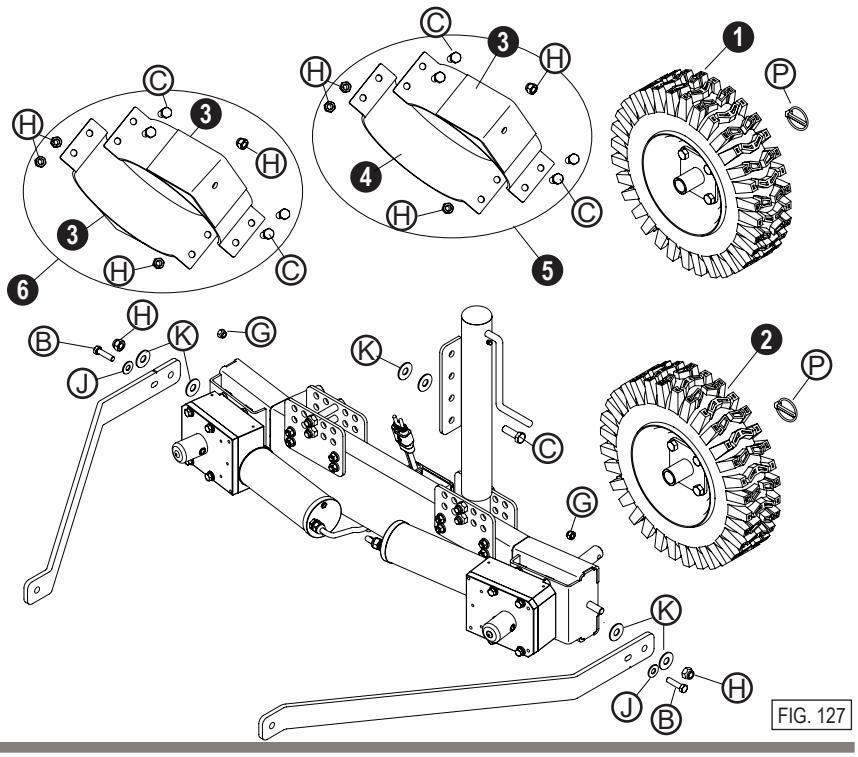


FIG. 127

NOTICE: *8 to 12 inch auger tube with right side jack installation is shown below. Left side installation is same, but jack will be on opposite side of auger tube. For 13 to 14 inch auger tubes, jack will be on each side of auger tube.*

STEP 1: Install wheels on main beam and secure with lynch pin (**P**).

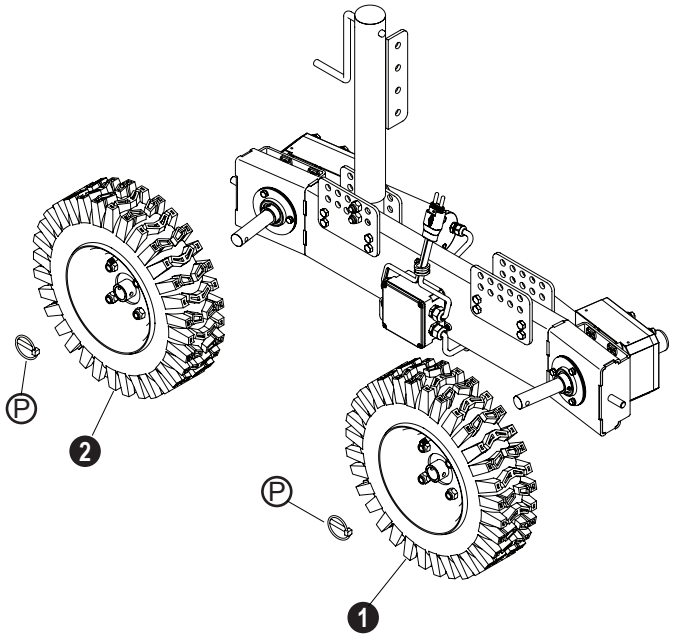


FIG. 129

NOTICE: *Before proceeding to STEP 2, position main auger tube as if filling a bin or silo.*

STEP 2: Align main beam and jack with swing auger tube and drive braces. Secure with flat washers (**K**) and nylon nuts (**H**). Tighten nylon nuts, then back nut off 1/4 turn so main beam can pivot at drive braces.

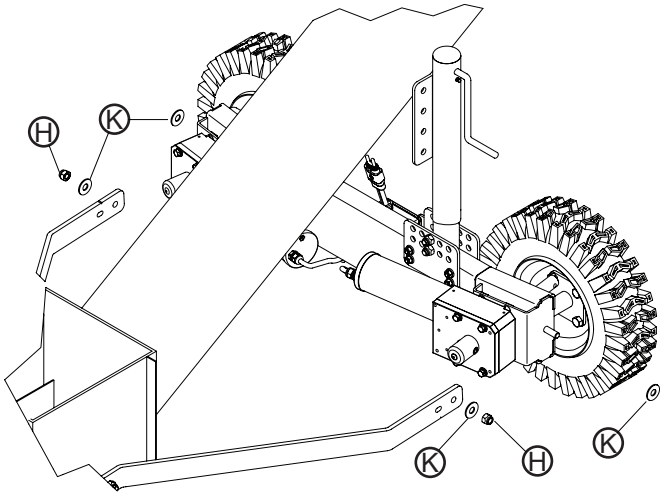


FIG. 131

STEP 3: Tighten nylon nuts (**H**) at transition box. Then back nuts off 1/4 turn so drive brace can rotate on bolt.

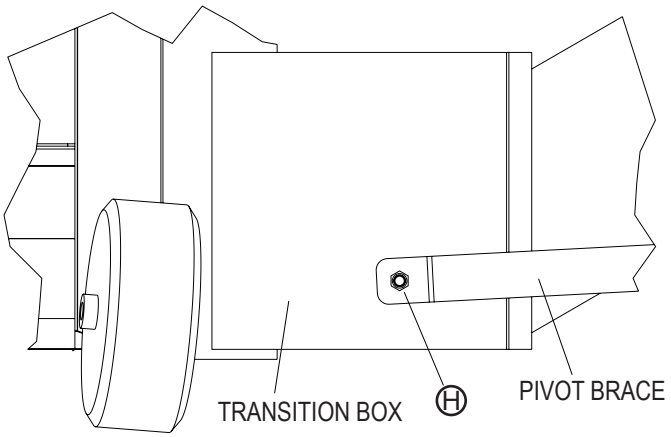


FIG. 133

STEP 4: Repeat STEP 3 on other side of transition box.

STEP 5: With drive wheels resting on ground, square main beam assembly so jack is perpendicular to ground. Placing a 5 inch wooden block under main beam will help determine correct position.

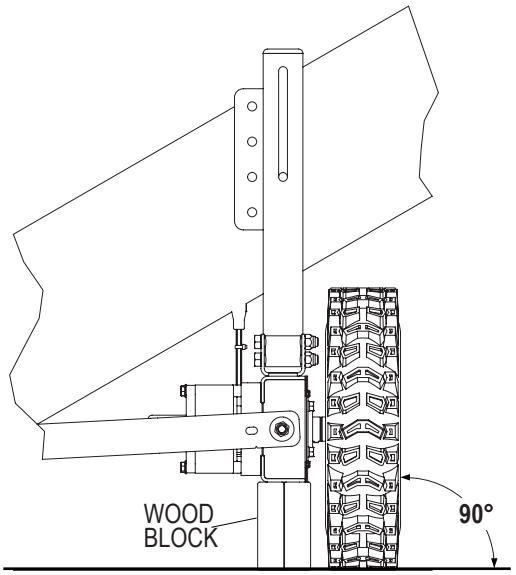


FIG. 135

NOTICE: *The wood block may be constructed by ripping two 12-inch-long 2 × 6 boards to 5 inches wide, then fastening them together using nails or screws.*

STEP 6: Turn jack handle until jack is in fully down position.

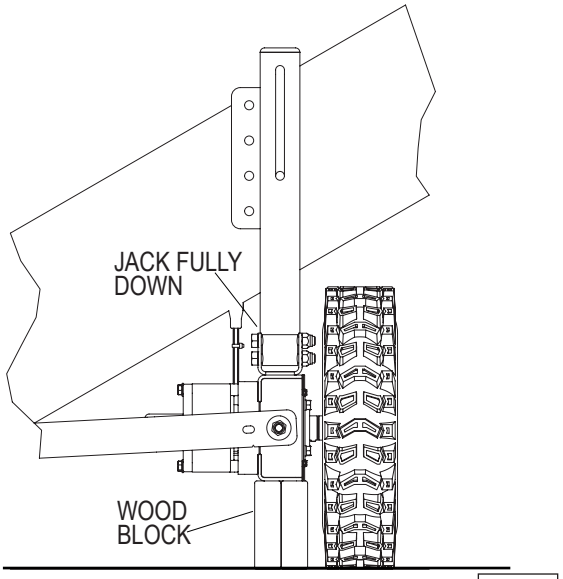


FIG. 137

STEP 7: Place tube band jack mount on swing auger tube and align with plate on jack. Turn handle on jack, raising jack plate until hole in tube band jack mount is aligned with hole in jack plate.

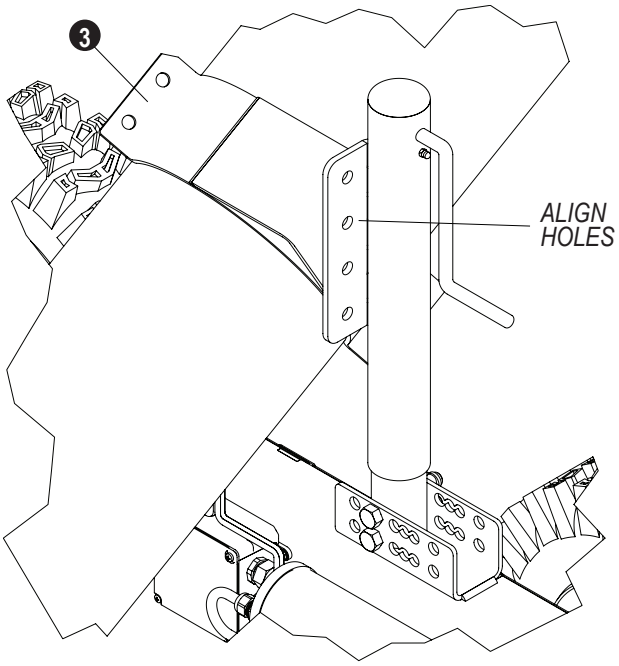


FIG. 139

STEP 8: Secure jack plate to tube band jack mount using hex bolt (**C**), two flat washers (**K**) between tube band jack mount and jack plate and nylon nut (**H**). Tighten nylon nut, then back off 1/4 turn.

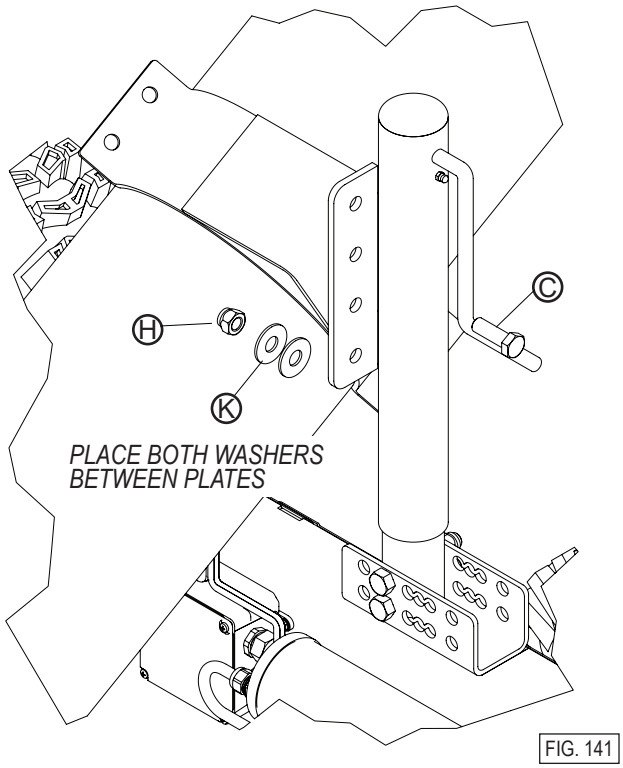


FIG. 141

STEP 9: Position tube band by tube band jack mount. Secure bands together using hex bolts (**C**) and nylon nuts (**H**). Evenly tighten fasteners securing bands to swing auger.

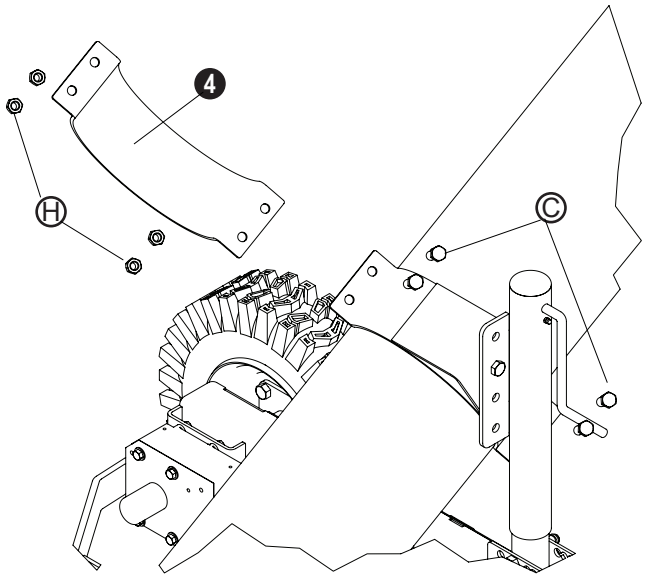


FIG. 143

STEP 10: 13, 14 and 16 inch auger tubes will use two tube band jack mount bands (**3**).

NOTICE: *Second jack not shown for clarity of image.*

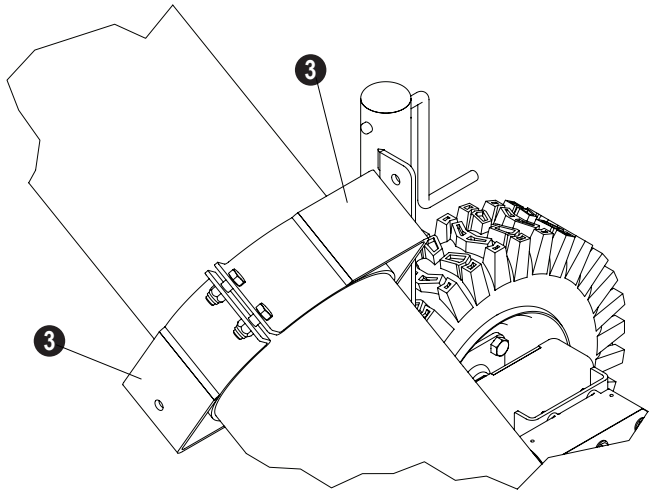


FIG. 145

STEP 11: Turn jack handle to bring main beam to fully up position. Verify both wheels are off ground. If wheels do not come off ground, you will need to move to next lower hole in jack plate.

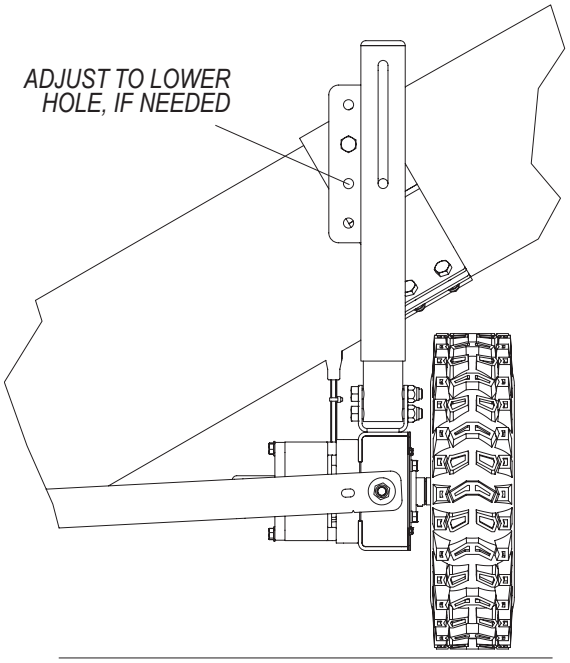


FIG. 147

NOTICE: *The next two steps are for all 13 and 14 inch augers, and 10 and 12 inch augers with additional jacks.*

STEP 12: Lower main beam down to wooden blocks. Adjust left side jack so it is extended to same length as right hand jack.

Adjust jack height until holes in jack plate and tube band jack mount align. If holes will not align, match drill a 1/2 inch hole in tube band jack plate using jack plate as guide.

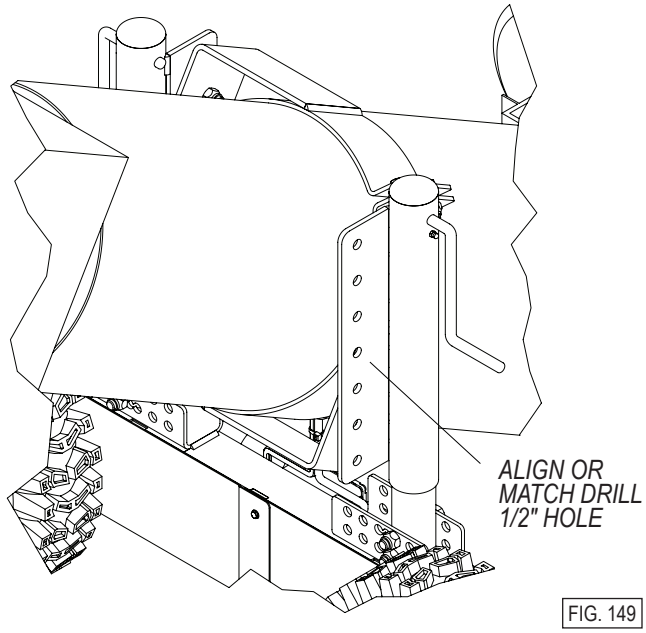


FIG. 149

STEP 13: Secure jack plate to tube band jack mount using hex bolt (**C**), two flat washers (**K**) between tube band jack mount and jack plate and nylon nut (**H**). Tighten nylon nut, then back off 1/4 turn.

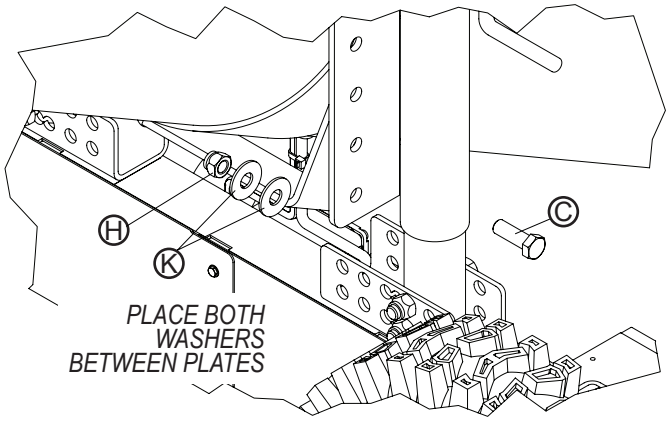


FIG. 151

STEP 14: Remove wood block and lower drive wheels to ground.

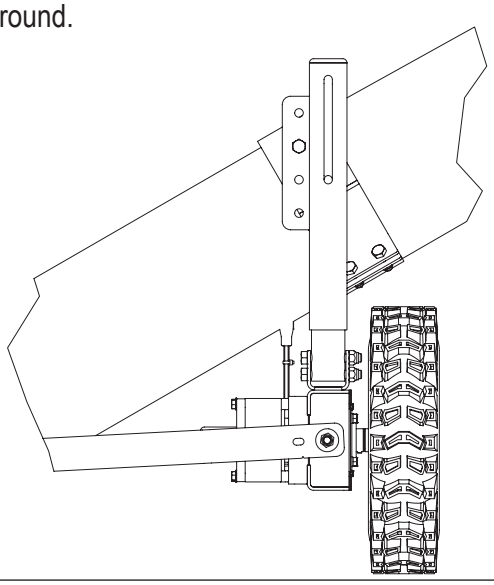


FIG. 153

STEP 15: Drill 3/8 inch thru hole using slot as guide. Hole should be centered on flat side of motor mount bracket.

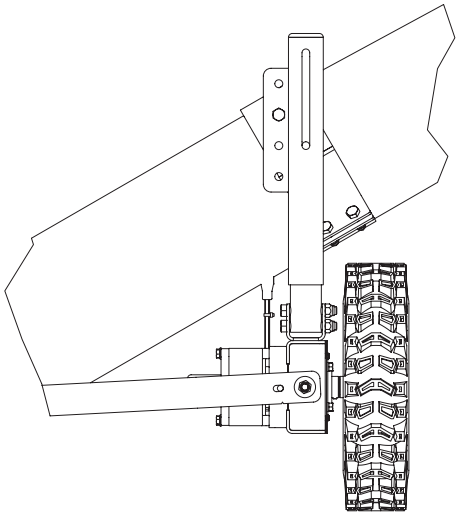


FIG. 155

STEP 16: Secure brace using 3/8 inch bolt (**B**), flat washer (**J**) and nut (**G**). Repeat STEPS 14 and 15 for both sides.

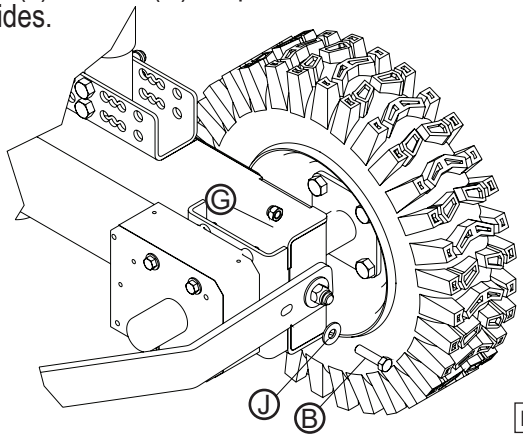


FIG. 157

Item	Part #	Description
1.	1128584	Control Panel Mounting Plate
2.	1131774	Control Assembly ShurLink™ w/ShurLink™ LiteALL™
3.	1128572	LiteALL™ w/Magnetic Mount
4.	1131576	5-Channel ShurLink EZR™ Remote
5.	1706751	ShurLink™ PRO™ Replacement Cradle
6.	1706836	USB Charging Cable Type A to C
7.	1131575	ShurLink PRO™ Remote w/Cradle & Charging Cable
A.	1704308	Flanged Cap Screw - #10-24 x 1/2"
L.	1706376	Hose Clamp Fastener Set
M.	1703231	Cable Tie - 8"
N.	1705977	Cable Tie - 60"
Q.	1704751	Wire Harness Lock Pin - 1/4" x 7/8"

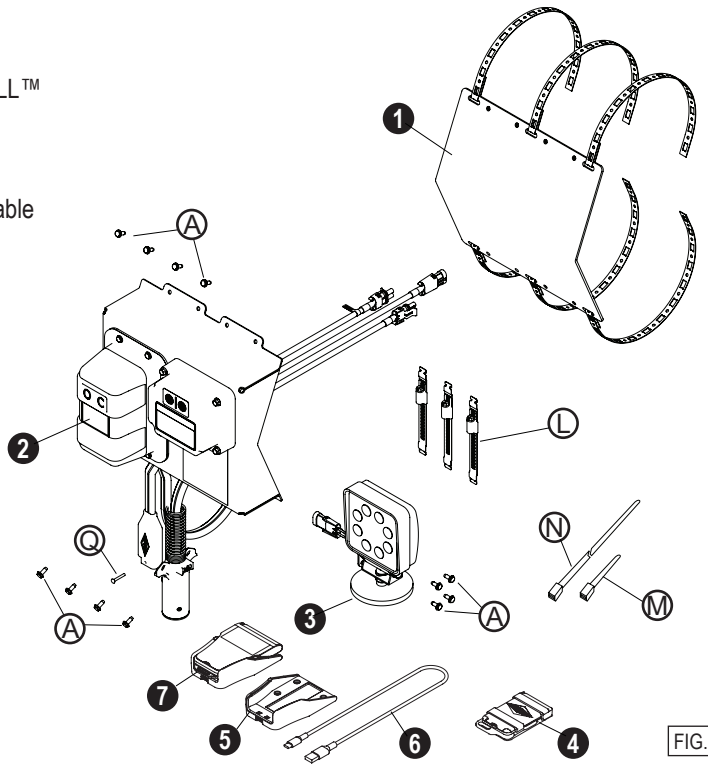


FIG. 159

STEP 1: Place control panel mounting plate on auger tube and wrap bands around tube so they overlap.

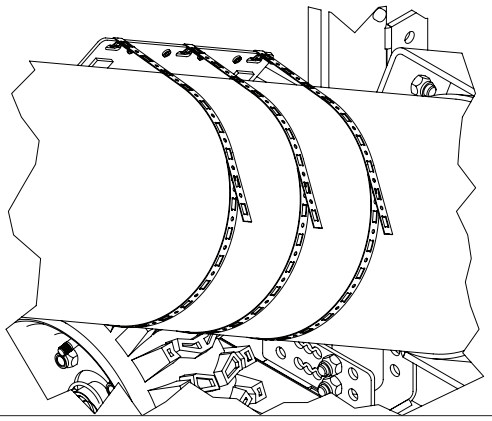


FIG. 161

STEP 2: Trim top bands with an aviation snip at holes so new end is approximately 1-1/2 inches above center line of tube.

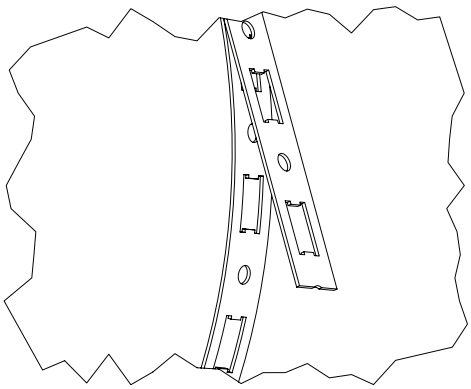


FIG. 163

NOTICE: *Overlap is acceptable, but if bands do not overlap, a max gap of 4-1/2 inches is acceptable between edges of two closest square holes.*

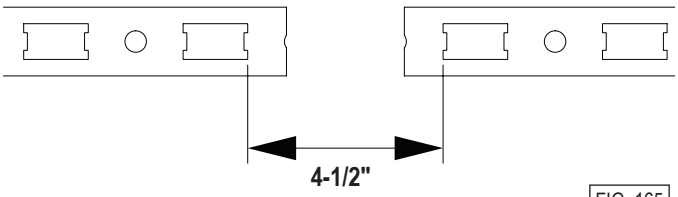


FIG. 165

STEP 3: Insert screw half of hose clamp fastener (**L**) into last square of upper bands.

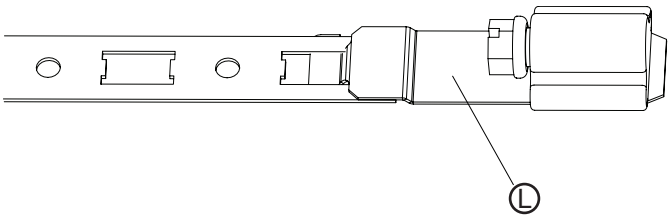


FIG. 167

STEP 4: Insert slotted half of hose clamp fashener (L) into square hole of lower bands, approximately 3-1/4 inches from end of screw half of hose clamp fastener (L).

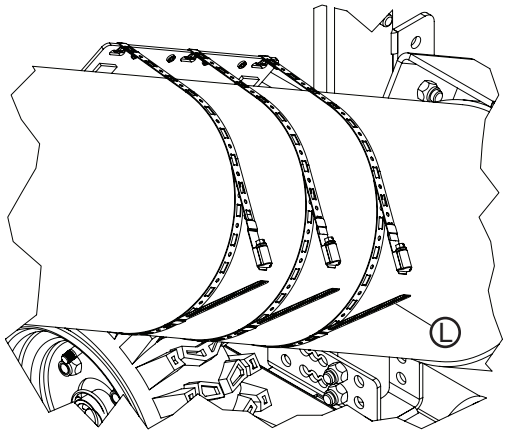


FIG. 169

STEP 5: Insert end of slotted fastener into end of screw fastener and tighten each of three bands.

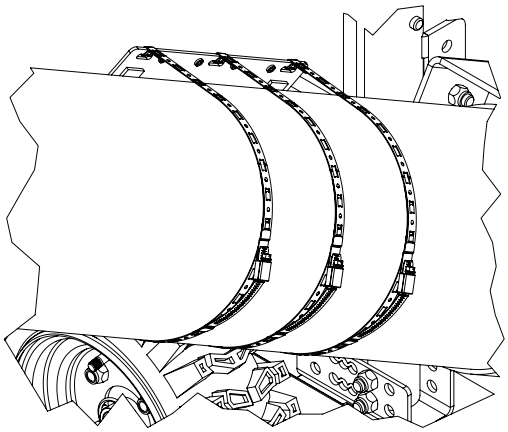


FIG. 171

NOTICE: *Verify location of control pannel will not interfere with storage of swing auger onto side of main auger tube. Adjust accordingly, if necessary.*

STEP 6: Insert WeatherPack™ end of LiteALL™ into open hole of bottom of control panel and secure with flange screws (**A**).

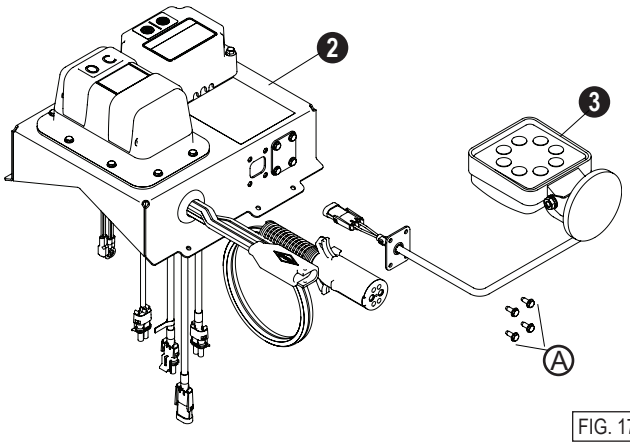


FIG. 173

STEP 7: Plug LiteALL™ into mini-module wire.

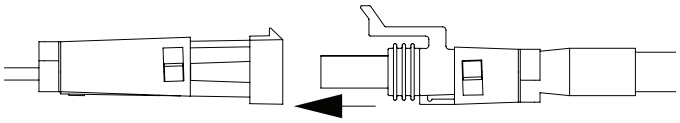


FIG. 175

STEP 8: Mount control panel (**2**) to control panel mounting plate (**1**) with eight flange screws (**A**).

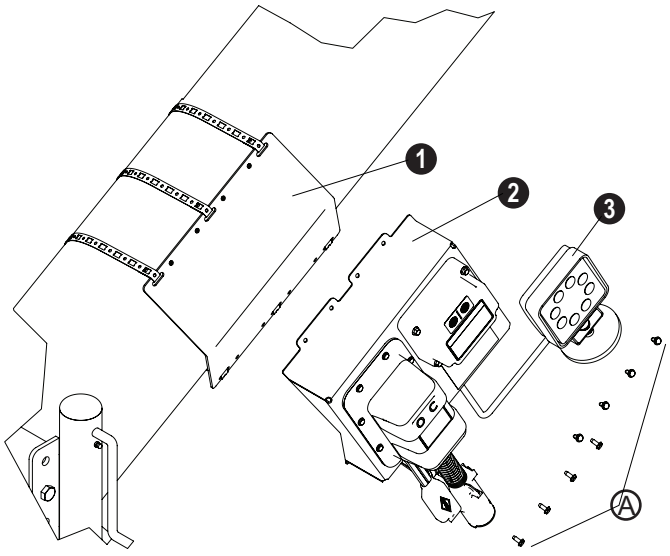


FIG. 177

STEP 9: Run SMARTwire™ from rear of control box under swing auger tube and plug female end into male end.

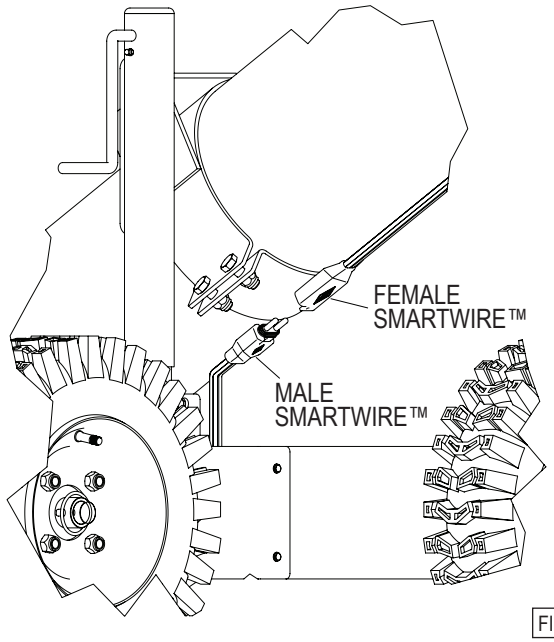


FIG. 179

STEP 10: Secure SMARTwire™ to auger tube using 60 inch cable tie (**N**), leaving enough slack so auger hopper can be raised off ground without putting tension on plug or tie.

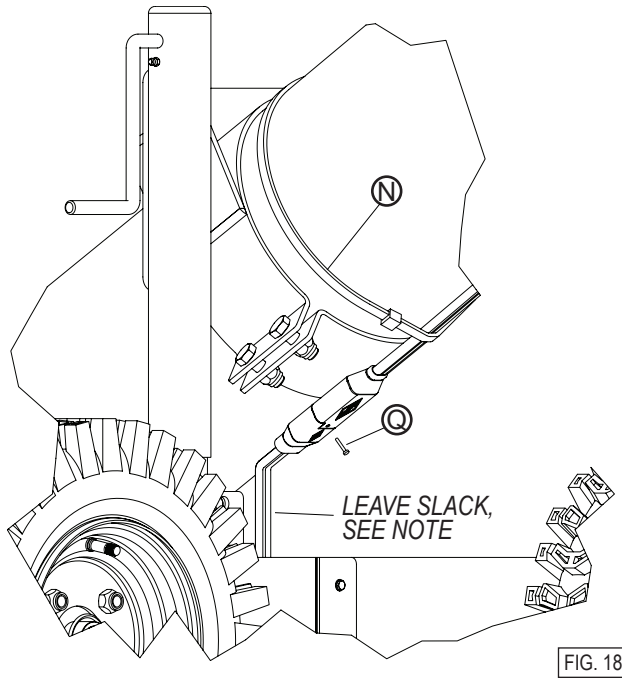


FIG. 181

NOTICE: *Turn handle on jack so it is in fully extended position to ensure enough slack in wire before securing with cable ties.*

STEP 11: Working up swing auger tube, gently pull SMARTwire™ snug (under swing auger tube) and secure with 60 inch cable tie (**N**) at center of tube between first cable tie and discharge box.

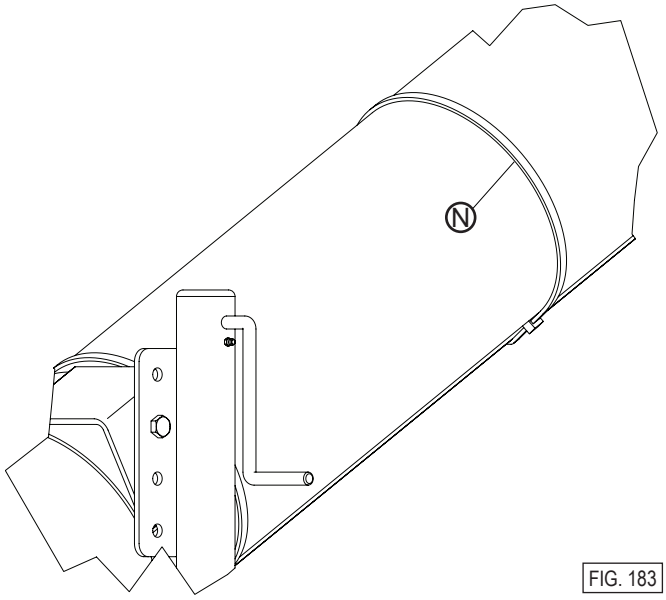
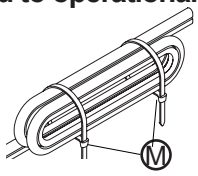


FIG. 183

STEP 12: Bind excess wire with 8-inch cable ties (**M**).

⚠ CAUTION

- **Do not cut SMARTwire™. Wire ends are designed with sealed connections to prevent corrosion; cutting the wire may lead to operational problems.**
- **Bind excess wire with cable ties to prevent loose wire entanglement.**



1 1705998 Danger - Pinch Point



2 1706000 Danger - Automatic Movement



STEP 1: Turn jack handle raising drive wheels off ground and push swing auger so swing auger tube and main auger tube are next to each other.

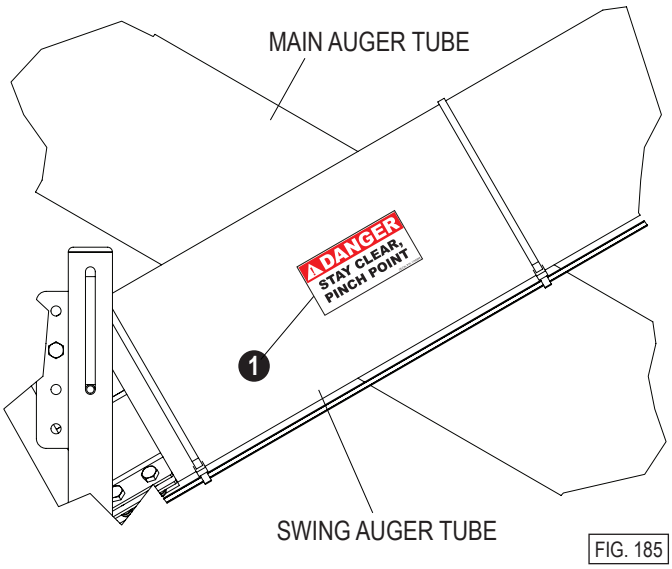


FIG. 185

STEP 2: At location where tubes cross, install four Danger - Pinch Point decals **(1)** on both sides of tubes.

DANGER

A pinch point exists where the swing auger tube contacts the main auger tube. Contact with persons will result in serious injury or death.

STEP 3: Place Danger - Automatic Movement decal **(2)** on outside of end and both sides of swing auger hopper.

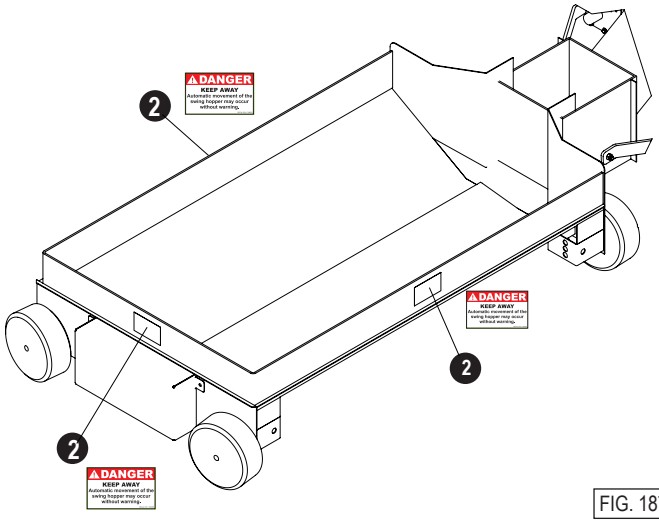


FIG. 187

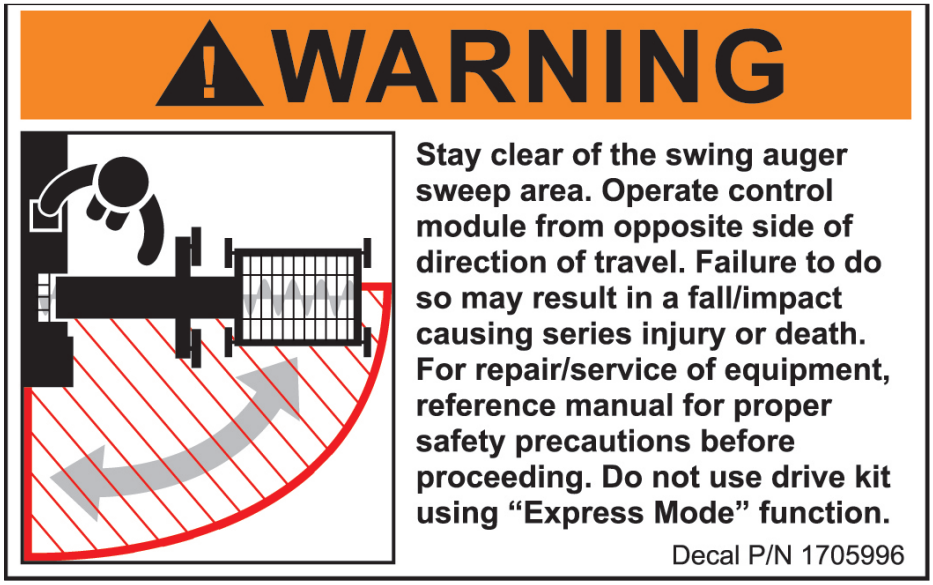
DANGER

Swing hopper may move unexpectedly. Keep away. Movement may occur without warning, leading to serious injury or death.

OPERATION INSTRUCTIONS

1. Plug male 2-pole connector into female 2-pole connector on tractor. Route SMARTwire™ so it will not be driven over.
2. Caution: Always verify path of swing auger is clear of obstacles and people before operation.
3. Stand clear of path of swing auger. Use remote of control box to activate motors and verify direction of travel. If swing auger direction of travel is not correct, remove auger control cover and switch green and yellow wires on solenoid.
4. When direction of travel has been verified, run swing auger in both directions, verifying it moves freely and along intended work path.

NOTICE: *If DriveMaxx wheels spin but do not move swing auger, turn jack handle to lower wheels and increase traction.*



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