



T9 Series Base User-Service Manual

T9HMBL, T9HMBLZ, T9HMBL4Z



To avoid injury, please read user manual before operating.

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Warning: Device not intended for use as a seating surface.

Crank Handle Installation Instructions

Tools Required: 1/2" socket and driver with short extension

1. Assemble the Crank Handle using the 5/16 x 1/2" Hex Head Machine Screw. Tighten securely using a 1/2" socket and driver.

Four Caster EZ Roller Installation Instructions

For use on table with legs not already installed:

Item	Description	Qty
1	Pin	1
2	Four Caster EZ Roller Assembly	1
3	Screw #10 - 24 x 3/8"	2

Tools required: Medium Phillips Head Screwdriver, 1/2" socket, 5/16" nut driver

1. Adjust table to the highest position.
2. Position the table upside down on a flat, hard surface.
3. Locate the corner of the housing with the hole in it (Figure 5, page 4).
4. Place Four Caster EZ Roller assembly (Item 2, Figure 5, page 4) in square hole as shown in Figure 5.
5. Insert pin (Item 1, Figure 5, page 4) through the hole in corner of housing and through slotted holes in Four Caster EZ Roller assembly. The pin must be centered in the column housing.
6. Secure the Four Caster EZ Roller assembly by inserting the two #10 screws (Item 3, Figure 6, page 4) through the mounting plate into the holes in the table base (Figure 6, page 4). Tighten both screws using the 5/16" nut driver.
7. Tip table right-side up. **Note:** To avoid possible wobble of table top, release latch lever and tilt table top near vertical, then return to a horizontal position. This will cause the pivot cams to retighten.
8. Test the Four Caster EZ Roller operation:
 - Lift any side of the table until roller raises completely off of the floor and Four Caster EZ Roller mechanism will release and not engage when table is lowered.
 - Lift table until Four Caster EZ Roller is half extended (listen for an audible "click") and Four Caster EZ Roller mechanism automatically engages when table is lowered. The Four Caster EZ Roller will now bear major weight of the table so Akin® Table Plus can be easily moved by one person.

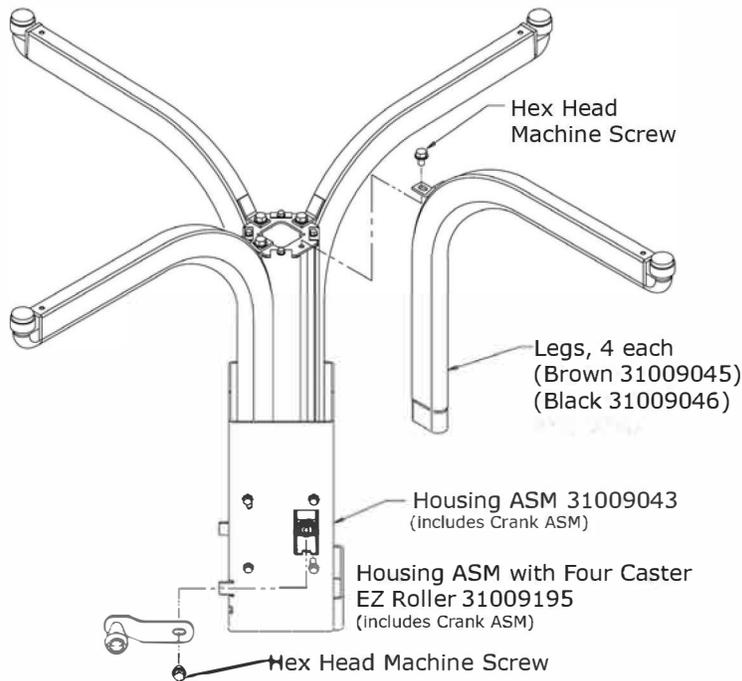


Figure 1

Leg Assembly Installation Instructions

1. The Retaining Pin must be centered (Figure 2) in the column housing.
2. While stabilizing the housing assembly with one hand, grab the leg with your free hand and slide the leg into position as shown.
3. Finger tighten the 5/16 x 1/2" Hex Head Machine Screws that fasten the legs to the housing. Once all screws are in place, tighten all screws securely using the 1/2" socket and driver.
4. After all four legs have been assembled, invert the table to its upright position for use.

⚠Caution: Keep fingers away from table mechanism when tilting table top horizontal.

Table Plus Installation Instructions

INSTALLATION WITH WOOD SCREWS: Akin has a separate kit to mount the T9 to tops without pre-bored holes. Please order T8TAK and refer to instructions contained within that kit.

Tools Required:

Installation with threaded inserts: 1/2" socket wrench

Installation with wood screws: Phillips screwdriver, drill, 3/16" drill bit

1. Place table top carton face up on the floor, cut banding and remove cover. Keep table top in carton to protect it until table base is attached (table top is packed bottom side up).
2. **THREADED INSERT INSTALLATION:** Place table base so that latch lever is adjacent to Table Plus logo on the table top. The four threaded anchors form a special hole pattern that ensures proper orientation of the table top to the table base. Insert all four (4) 5/16 - 18 x 5/8" hex cap screws and then tighten using a 1/2" socket wrench (Figure 3). Tighten all bolts until nut, but do not overtighten. Excessive torque will damage threaded inserts.
3. **INSTALLATION WITH WOOD SCREWS:** Akin has a separate kit to mount the T9 to tops without pre-bored holes. Please order T8TAK and refer to instructions within.
4. Tip the assembled table top right side up. **NOTE:** To eliminate possible wobble of the table top, release latch lever, tilt top to near vertical and return to horizontal. The action of returning to horizontal causes the pivot cams to tighten. In contrast, the action of tilting the top to near vertical causes the pivot cams to unlock and free the pivot.
5. Pivot cams can be restricted from full release by two small screws. These deter unauthorized removal of the top unit (Figure 4).

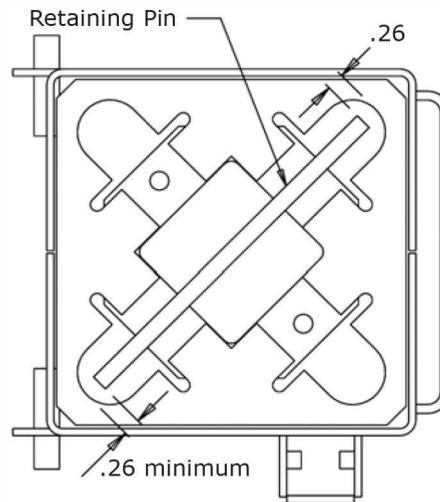


Figure 2

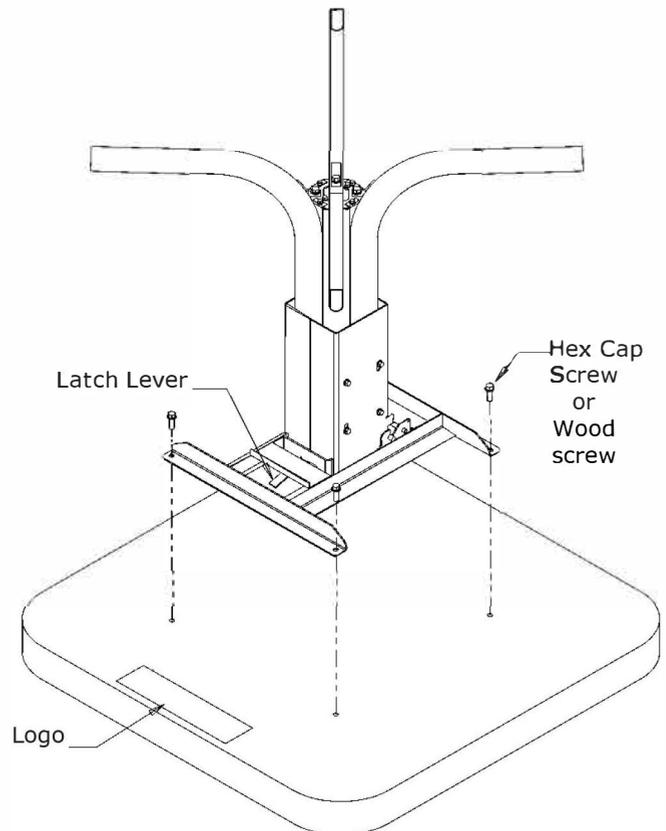


Figure 3

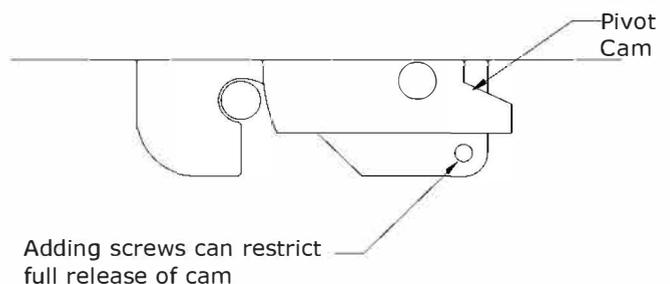


Figure 4

Four Caster EZ Roller Installation Instructions

For use on tables with legs already installed:

Item	Description	Qty
1	Pin	1
2	Four Caster EZ Roller Assembly	1
3	Screw #10 - 24 x 3/8"	2

Tools required: Medium Phillips Head Screwdriver, 1/2" socket, 5/16" nut driver

- Adjust table to the highest position.
- Tip Akin Table Plus top side down on floor using suitable padding to protect table top.
- Locate the corner of the housing with the hole in it (Figure 5). If legs are already assembled to the column, using 1/2" socket and driver, remove the 5/16" screw that holds the leg in place.
- Remove table leg by pulling up.
- Place Four Caster EZ Roller assembly (Item 2) in square hole as shown in Figure 5.
- Insert pin (Item 1) through the hole in corner of housing and through slotted holes in Four Caster EZ Roller assembly. The pin must be centered in the column housing.
- If legs are already assembled to the column, replace the leg that was removed earlier and secure with the 5/16" screw.
- Secure the Four Caster EZ Roller assembly by inserting the two #10 screws (Item 3) through the mounting plate into the holes in the table base (Figure 6). Tighten both screws using the 5/16" nut driver.
- Tip table right-side up. **Note:** To avoid possible wobble of table top, release latch lever and tilt table top near vertical, then return to a horizontal position. This will cause the pivot cams to retighten.
- Test the Four Caster EZ Roller operation:
 - Lift any side of the table until roller raises completely off of the floor and Four Caster EZ Roller mechanism will release and not engage when table is lowered.
 - Lift table until Four Caster EZ Roller is half extended (listen for an audible "click") and Four Caster EZ Roller mechanism automatically engages when table is lowered. Four Caster EZ Roller will now bear major weight of the table so Akin Table Plus can be easily moved by one person.

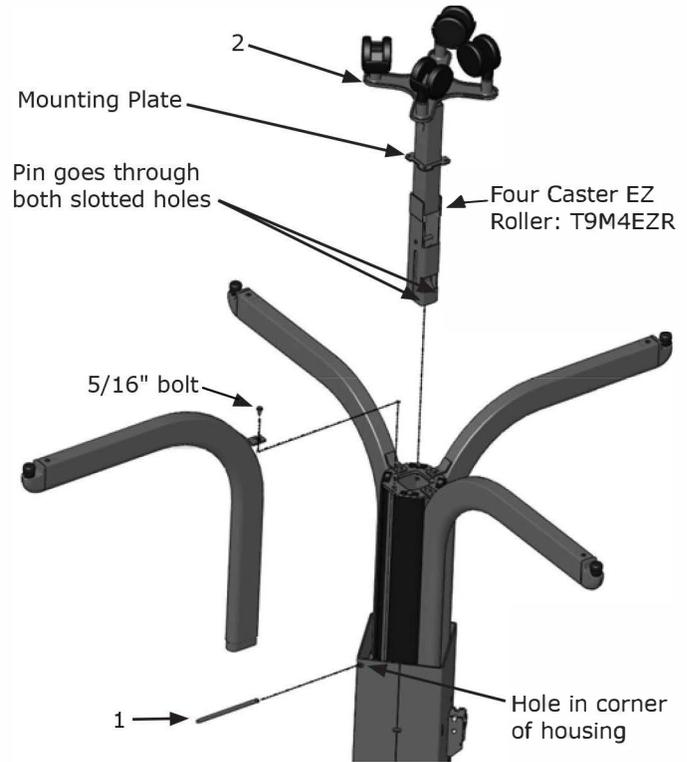


Figure 5

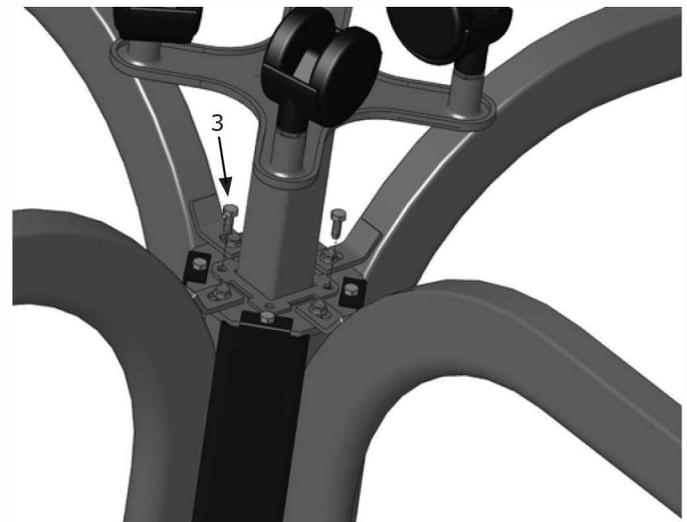


Figure 6

Diagnosis Chart - Table Base

Symptom	Possible Cause	Procedure
Table wobbles	Self-leveling glide does not contact floor	Uneven floor exceeds range of the glide. Move table slightly to change location. Inspect for damaged glide. Replace only with identical item (see parts list).
	Table Top is loose	Inspect for loose or missing cap screws attaching table top. All four (4) screws must be tight.
	Spider is loose on table base because pivot cams are not tight	Release latch lever and tilt table top to near vertical and return to horizontal to cause pivot cams to re-tighten against pivot pin.
	Legs are loose where they are attached to the column of the table base	Invert table and inspect each leg for loose bolts. Tighten as needed.



Diagnosis Chart - Adjustable Height Table Base

Basic Operation of Adjustable Height

Mechanism

The close sliding fit of the Hi-Lo housing of the Hi-Lo column is controlled by the upper and lower diamond shaped guide plates that are lined with nylon glides. This close fit is maintained by tilting the guide plates.

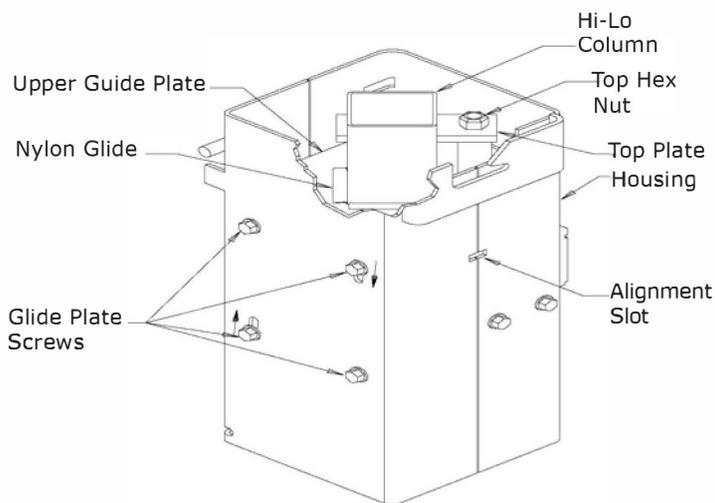


Table Plus Adjustable Height Table Base

The Right Height adjustable base also offers outstanding rigidity. The outer housing, which travels over the large square inner column, is split vertically and contains a pair of guide plates lined with nylon slides to engage and slide the inner column. The zero clearance fit required for table rigidity is maintained by tilting the guide plates. The guide plates have been adjusted to provide maximum table rigidity and minimum operating effort of the Right Height mechanism.

Procedure for Re-adjusting Guide Plates

Tools required: 3/8" wrench and flat head screwdriver

1. Remove table top.
2. Using a 3/8" wrench loosen the guide plate screws (4 each for top and bottom guide plates). Insert the screwdriver into the alignment slot and pry the guide plates until they are snug against the inner column while still allowing the Hi-Lo mechanism to crank relatively freely. Retighten the guide plate screws.
3. Re-attach table top.
4. Adjust Right Height to near mid-travel and check table rigidity by pushing up and down on the edge pedestal. Go back to Step 1 and re-adjust guide plates.

Symptom	Possible Cause	Procedure
Table wobbles	Excessive movement between Hi-Lo housing and center column of table base	<ol style="list-style-type: none"> 1. Remove table top. 2. Check for excessive movement between inner column and housing. Adjust guide plates if needed. 3. Re-attach table top.
Table does not elevate when crank is turned	Hex nut that locks the acme screw to the top plate is too loose	<ol style="list-style-type: none"> 1. Release latch and tilt table top to vertical position. 2. Use 1/2" socket wrench to tighten the top hex nut while holding the crank.

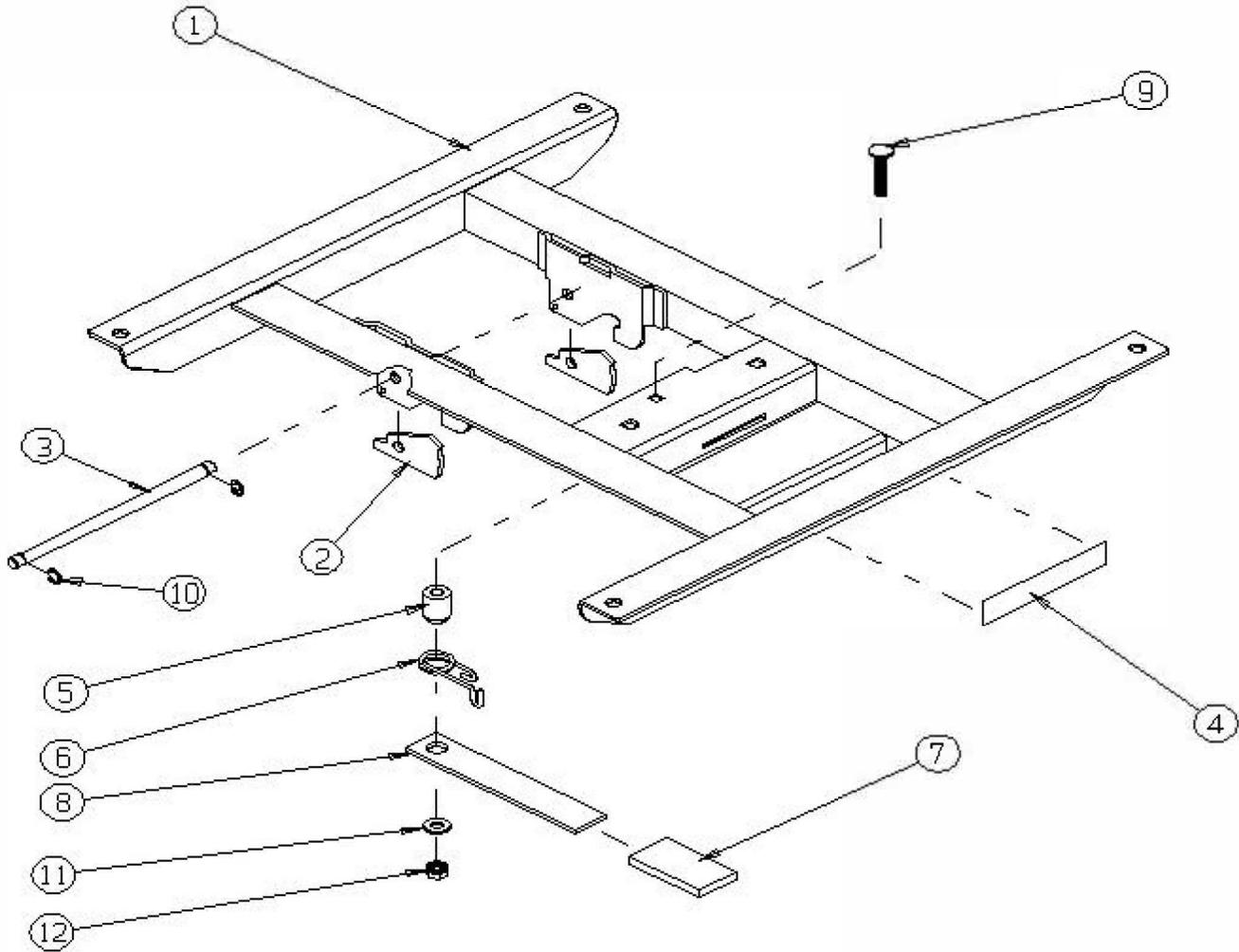
Diagnosis Chart - Four Caster EZ Roller

Symptom	Possible Cause	Procedure
Mechanism does not engage, so Four Caster EZ Roller will not support the table	<p>1. Follow operating instructions. Operating sequence is designed to prevent accidental engagement.</p> <p>2. Four Caster EZ Roller does not drop freely.</p> <p>3. Unit does not engage when operated per instructions (1b).</p>	<p>1a. Lift at any side of the table top, so Four Caster EZ Roller drops completely and clears the floor. Unit fully cycles so Four Caster EZ Roller is idle as the table is lowered.</p> <p>1b. Lift table about half as high as 'a', so unit partly cycles to engage as table is lowered. Four Caster EZ Roller now supports weight so table can be moved easily by one person.</p> <p>2a. Invert the table and check that both screws attaching the square guide are properly installed, so the retainer keeps the Four Caster EZ Roller unit aligned.</p> <p>2b. Invert the table and remove the leg that corresponds to the hole in the housing for the Four Caster EZ Roller pin. Inspect the clevis pin for proper attachment of the Four Caster EZ Roller unit inside the column.</p> <p>2c. Remove the Four Caster EZ Roller unit from the table base and check operation. Repair and replace as required.</p> <p>3. Remove the Four Caster EZ Roller unit from the table base and check operation. Repair and replace as required.</p>



Spider Assembly

Part#: 31009044

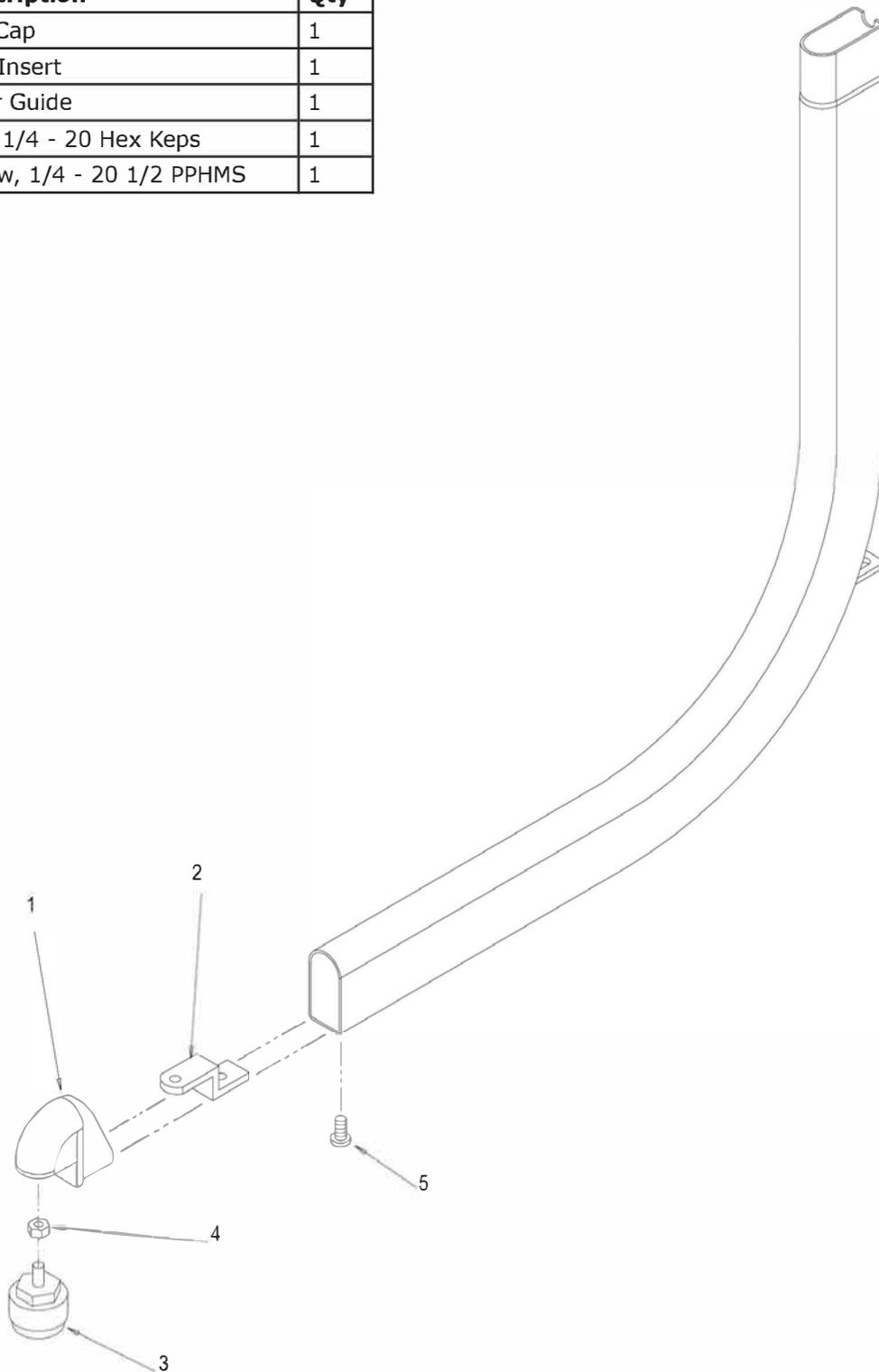


Item	Description	Qty
1	Spider Assembly	1
2	Cam, Pivot	2
3	Pin, Stop	1
4	Label, Caution Table	1
5	Bushing, Shoulder	1
6	Spring, Torsion	1
7	Grip, Latch	1
8	Latch	1
9	Bolt, Carriage 1/4 - 20 x	1
10	E-Ring	2
11	Washer 1/4 SAE	1
12	Nut, 1/4 - 20 KEPS	1

Leg Hardware Kit

Part #: 39000944

Item	Description	Qty
1	Leg Cap	1
2	Cap Insert	1
3	Floor Guide	1
4	Nut, 1/4 - 20 Hex Keys	1
5	Screw, 1/4 - 20 1/2 PPHMS	1



Warranty Information

Thank you for selecting a quality Akin product!

You have made a significant investment and we are proud to support your decision. Akin products are built to precise standards and carefully inspected prior to shipment.

This full one (1) year warranty (ten years for structural components and welds) is an expression of our confidence in the materials and workmanship of our products.

Parts

Akin warrants that its products are free of defects in materials and workmanship under normal use and service as follows:

Steel structural components and welds are warranted for ten (10) years from the date of delivery.

All other components are warranted for one (1) year from the date of delivery.

This warranty does not cover failure due to misuse, accident or negligence, or failure caused by unauthorized alteration, repair, maintenance, assembly or installation.

Akin warranty liability shall not exceed the original purchase price. The making of repairs under this warranty shall not extend the duration of the warranty.

Service

In the event of a defect covered by this warranty we will, after inspection and at our option, repair or replace the product or defective parts. For prompt warranty inspection and service contact your local authorized representative or an Akin Customer Service Representative.

This warranty is extended to the original purchaser of the equipment.

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