

TKO Strength 711SM Signature Squat Machine



# TKO Strength 711SM Signature Squat Machine Owner's Manual

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TKO Strength 711SM Signature Squat Machine



- [www.tkostrength.com](http://www.tkostrength.com)

## Safety

Read this owner's manual carefully before assembling or using TKO equipment.

**WARNING:** Serious injury could occur if these safety precautions are not observed Safety Precautions.

- Before beginning any exercise program, consult your physician. Evaluate appropriate for your particular age and condition.
- If you experience any pain or tightness in your chest, irregular heartbeats, shortness or breath, faintness or other unusual discomfort while exercising, stop and consult your physician before continuing.
- Make sure that the equipment(s) are set up and operated on a solid-level surface. DO NOT install or use the equipment on an uneven surface.
- Exercise equipment has moving parts. In the interest of safety, keep others, especially children, at a safe distance while exercising.
- Make sure there are enough room for access and operate the equipment(s) safely. inspect and maintain the equipment(s) regularly.
- Replace the worn or damaged parts/components immediately to ensure safety. Use a spotter.
- The back support cushion may drop when the knob is pulled. Hold the back support cushion when adjusting it.
- Make sure the pull pin is fully engaged before use.
- Lower the back support cushion to the lowest position when not in use.
- Warm-up 5 to 10 minutes before each workout and cool down 5 to 10 minutes afterward. Never hold your breath while exercising.
- Remove all jewelry, including rings, chains, and pins before commencing the exercise. Always wear suitable clothing and footwear during exercise. DO NOT wear loose machine.
- Rest adequately between workouts. Muscles tone and develop during these rest periods.
- Most exercise equipment is not recommended for small children. Children should not use the machine unless they are under adult supervision.

If you have any questions or need assistance please contact us at,

- **Customer Service:** 866-856-3488 or 713-895-9270 e-mail: [sales@tkostrength.com](mailto:sales@tkostrength.com)
- **Hours:** Monday-Friday 8:30 am to 4:30 pm CT

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## Product Diagram



Maximum Weight Limit: 200 KG / 440 lbs.

## Instructions

Before beginning assembly please take the time to read instructions thoroughly. Please use the various lists in this manual to make sure that all parts have been included in your shipment. When ordering, use part number and descriptions from the lists. Use only our replacement part when servicing. Failure to do so will void your warranty and could result in personal injury. The equipment is designed to provide the smoothest, most effective exercise motion possible. After assembly, you should check all functions to ensure correct operation. If you experience problems, first recheck the assembly instructions to locate any possible errors made during assembly. If you are unable to correct the problem, call your authorized dealer. Be sure to have your serial number and this manual when calling. When all parts have been accounted for, continue on.

## Tools Required



Ratchet Wrench and Socket



Adjustable Wrench



Rubber Mallet

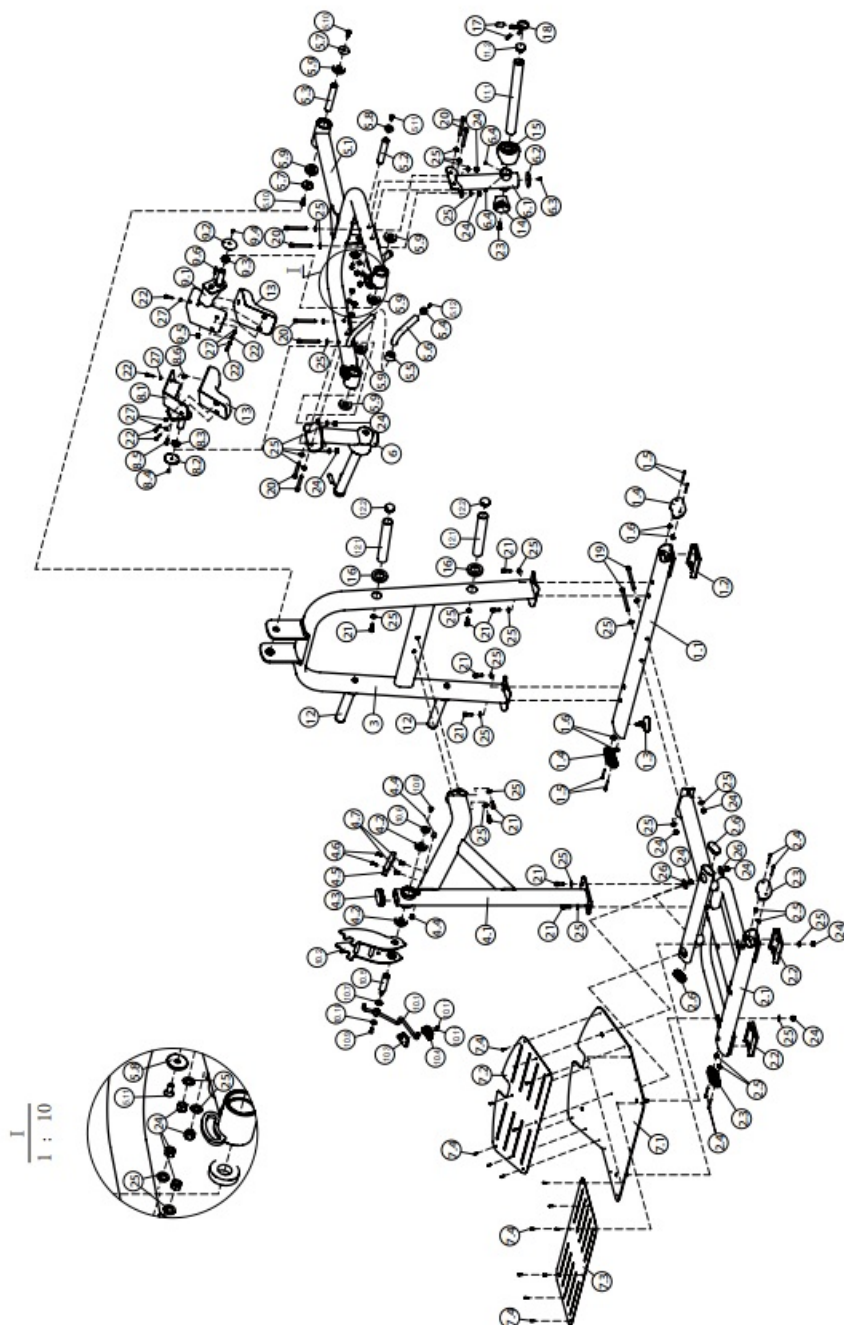


Hex Key Wrench Set



Phillips Screwdriver

## Exploded Diagram



## Parts List

**NOTE:** SOME OF THESE PARTS MAY COME PRE-INSTALLED

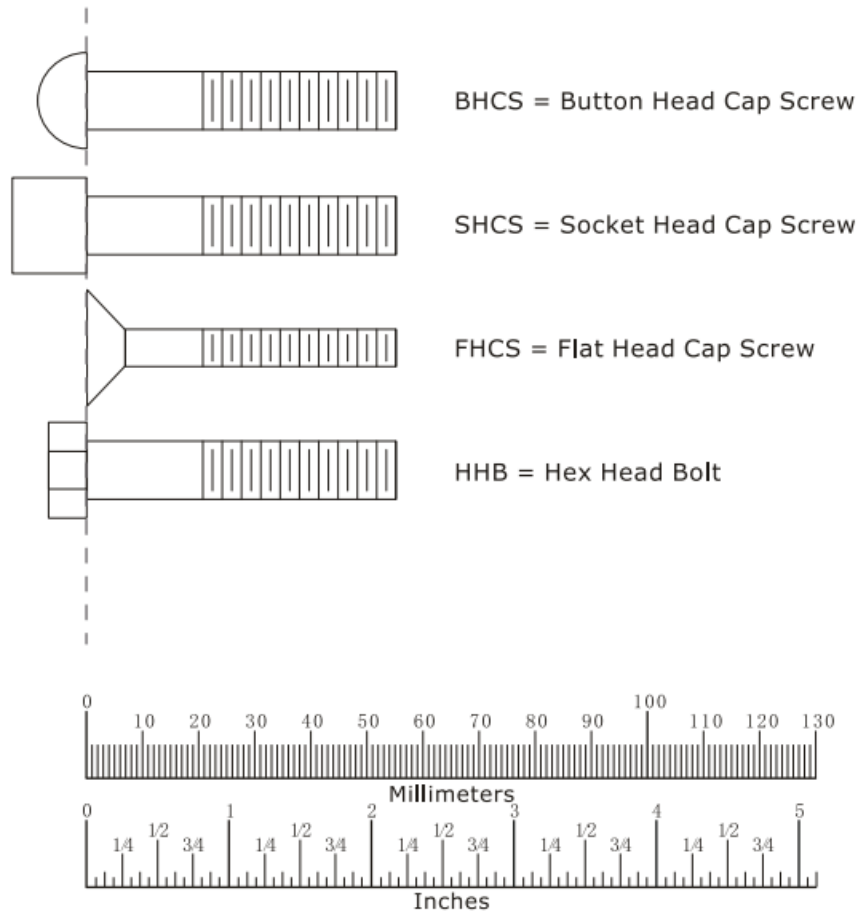
Item No.	Description	Qty	Item No.	Description	Qty
1	Bottom Cross Frame Assembly	1	8.1	Shoulder Pad Frame Left	1
1.1	Bottom Cross frame	1	8.2	End Cap $\phi 76$	1
1.2	Rubber Foot	1	8.3	Spacer	1

1.3	Adjustable Stopper	1	8.4	Flat Head Cap Screw M6×16	1
1.4	End Cap	2	8.5	Socket Head Cap Screw M10×25	1
1.5	Cross Recess Head Screw M5×60	4	8.6	Nylon Lock Nut M10	1
1.6	Reed Nut M5	4	9	Shoulder Pad Frame Assembly Right	1
2	Base Frame Assembly	1	9.1	Shoulder Pad Frame Right	1
2.1	Base Frame	1	9.2	End Cap φ76	1
2.2	Rubber Foot	2	9.3	Spacer	1
2.3	End Cap	2	9.4	Flat Head Cap Screw M6×16	1
2.4	Cross Recess Head Screw M5×60	4	9.5	Nylon Lock Nut M10	1
2.5	Reed Nut M5	4	9.6	Socket Head Cap Screw M10×25	1
2.6	Plug RT40×80	2	10	Limit Frame Assembly	1
3	Main Frame	1	10.1	Adjusting Handle	1
4	Limit Support Frame Assembly	1	10.2	Limit Frame	1
4.1	Limit Support Frame	1	10.3	Handle Top	1
4.2	Bearing 6206	2	10.4	Handle Bottom	1
4.3	Plug RT50×100	1	10.5	Shaft φ30×133.5	1
4.4	Plastic Sleeve	2	10.6	End Cap φ43	1
4.5	Stop Bumper	1	10.7	Flat Washer φ20×φ34×3	1

4.6	Flat Head Cap Screw M8×25	2	10.8	Flat Head Cap Screw M10×25	1
4.7	Rivet Nut M8 ×16.5	2	10.9	Socket Head Cap Screw M8×20	1
5	Arm Frame Assembly	1	10.10	Flat Washer φ9×φ28×2	1
5.1	Arm Frame	1	10.11	Cross Recess Head Screw M4×10	2
5.2	Shaft φ30×162	1	11	Long Weight Horn Assembly	2
5.3	Shaft φ30×180	1	11.1	Counterweight Pole Frame	1
5.4	Aluminium Cap φ25	2	11.2	Plug φ48	1
5.5	Transition Cover	2	12	Weight Horn Assembly	4
5.6	Grip φ30×φ22×220	2	12.1	Weight Horn	1
5.7	End Cap φ54	2	12.2	Plug φ48	1
5.8	End Cap φ43	2	13	Shoulder Pad	2
5.9	Bearing 6206	6	14	Weight Horn End Cover	2
5.10	Flat Head Cap Screw M12×35	2	15	Weight Horn Bumper	2
5.11	Flat Head Cap Screw M10×25	2	16	Bumper	4
5.12	Flat Head Cap Screw M6×16	2	17	Rubber Sleeve	4
6	Weight Horn Support Frame Assembly	2	18	Snap Spring	2
6.1	Weight Horn Support Frame	1	19	Socket Head Cap Screw M12×145	2
6.2	End Cap φ76	1	20	Socket Head Cap Screw M12×100	8

6.3	Flat Head Cap Screw M6×16	1	21	Socket Head Cap Screw M12×30	12
6.4	Socket Set Screw M8×6	2	22	Socket Head Cap Screw M8×30	6
7	Foot Plate Assembly	1	23	Flat Head Cap Screw M12×35	2
7.1	Foot Plate Frame	1	24	Nylon Lock Nut M12	14
7.2	Upper Foot Plate Cover	1	25	Flat Washer $\phi 13 \times \phi 24 \times 1.5$	34
7.3	Lower Foot Plate Cover	1	26	Flat Washer $\phi 13 \times \phi 44 \times 2$	2
7.4	Rivet $\phi 5 \times 13$	16	27	Flat Washer $\phi 9 \times \phi 16 \times 1.6$	6
8	Shoulder Pad Frame Assembly Left	1			

## Measurement Guide





## Assembly Instruction

Assembly of the equipment takes professional installers about 2 hours. If this is the first time you have assembled this type of equipment, plan to spend more time. It is strongly recommended to assemble the equipment by professional installers. You may find it quicker, safer, easier to assemble this equipment with the help of a friend, as some of components may be large, heavy or awkward to handle alone. You must assemble your product in a clean, clear, uncluttered area. This will enable you to move around the product while you are fitting components and reduce the possibility of injury during assembly.

### NOTE

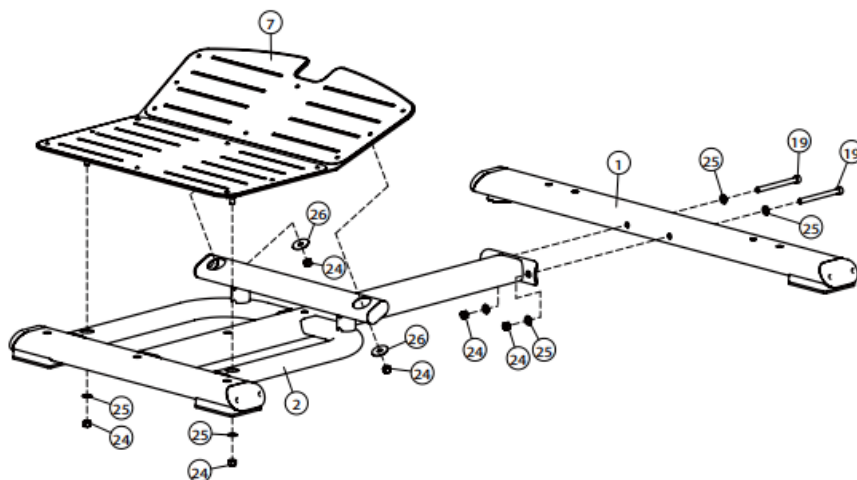
As with any assembled part, proper alignment and adjustment is critical. While tightening the fasteners, be sure to leave room for adjustments. Do not fully tighten the fasteners until instructed to do so. Be careful to assemble the components in the sequence presented in this guide.

## Assembly

### STEP 1

Item No.	Description	Qty	Item No.	Description	Qty
1	Bottom Cross Frame Assembly	1	24	Nylon Lock Nut M12	6
2	Base Frame Assembly	1	25	Flat Washer $\phi 13 \times \phi 24 \times 1.5$	6
7	Foot Plate Assembly	1	26	Flat Washer $\phi 13 \times \phi 44 \times 2$	2
19	Socket Head Cap Screw M12 $\times 145$	2			

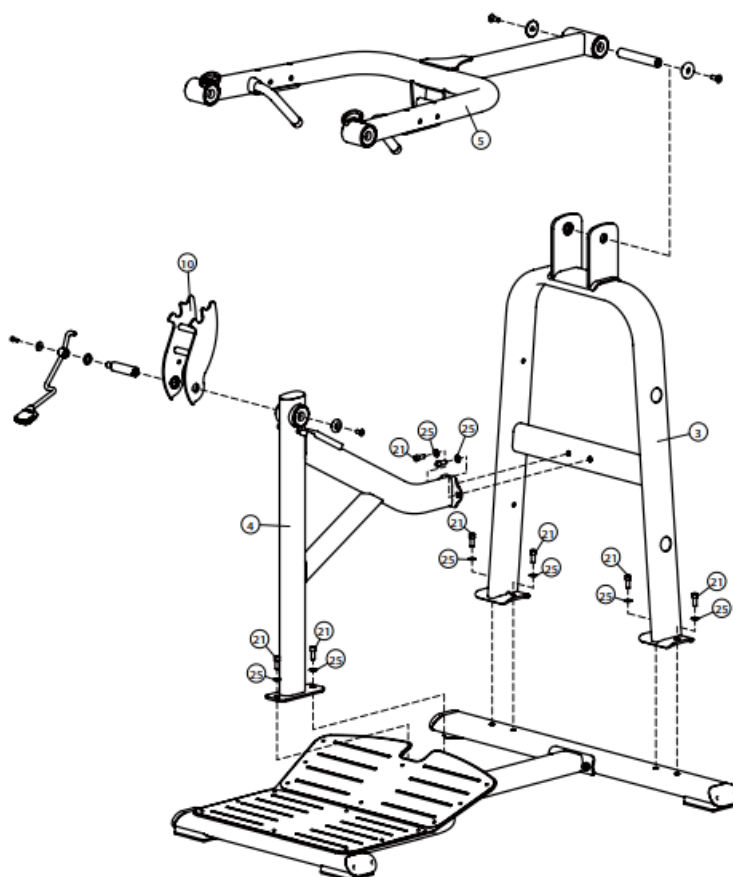
**Note:** Hand Tighten Bolts and Nylon Lock Nuts.



### STEP 2

Item No.	Description	Qty	Item No.	Description	Qty
3	Main Frame	1	10	Limit Frame Assembly	1
4	Limit Support Frame Assembly	1	21	Socket Head Cap Screw M12 ×30	8
5	Arm Frame Assembly	1	25	Flat Washer $\phi 13 \times \phi 24 \times 1.5$	8

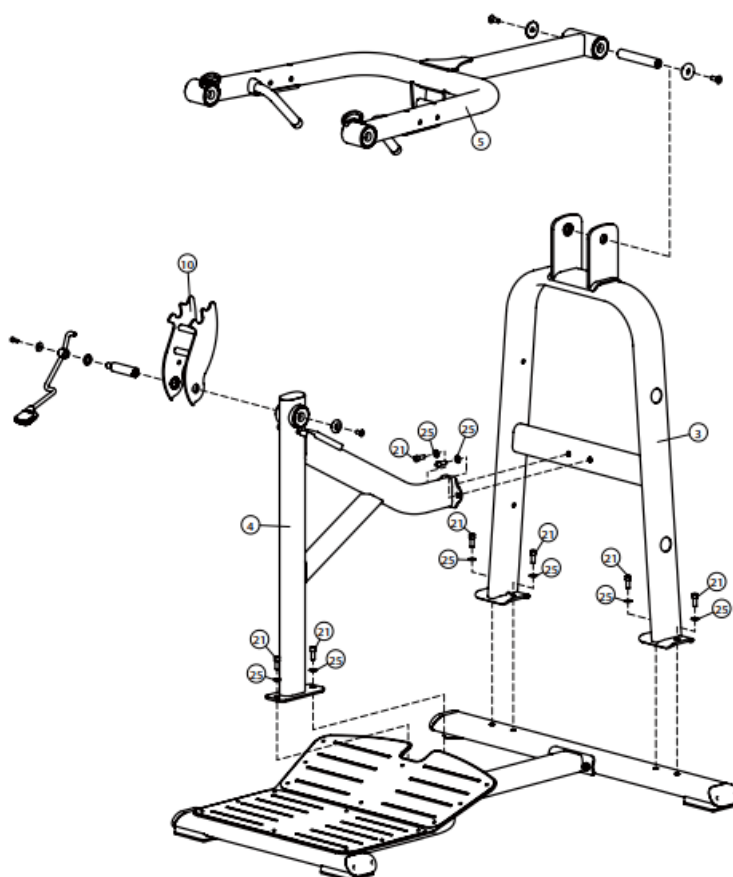
**Note Hand** Tighten Bolts and Nylon Lock Nuts.



### STEP 3

Item No.	Description	Qty	Item No.	Description	Qty
6	Weight Horn Support Frame Assembly	2	17	Rubber Sleeve	4
8	Shoulder Pad Frame Assembly Left	1	18	Snap Spring	2
9	Shoulder Pad Frame Assembly Right	1	20	Socket Head Cap Screw M12×100	8
11	Long Weight Horn Assembly	2	21	Socket Head Cap Screw M12×30	4
12	Weight Horn Assembly	4	23	Flat Head Cap Screw M12×35	2
14	Weight Horn End Cover	2	24	Nylon Lock Nut M12	8
15	Weight Horn Bumper	2	25	Flat Washer $\phi 13 \times \phi 24 \times 1.5$	20
16	Bumper	4			

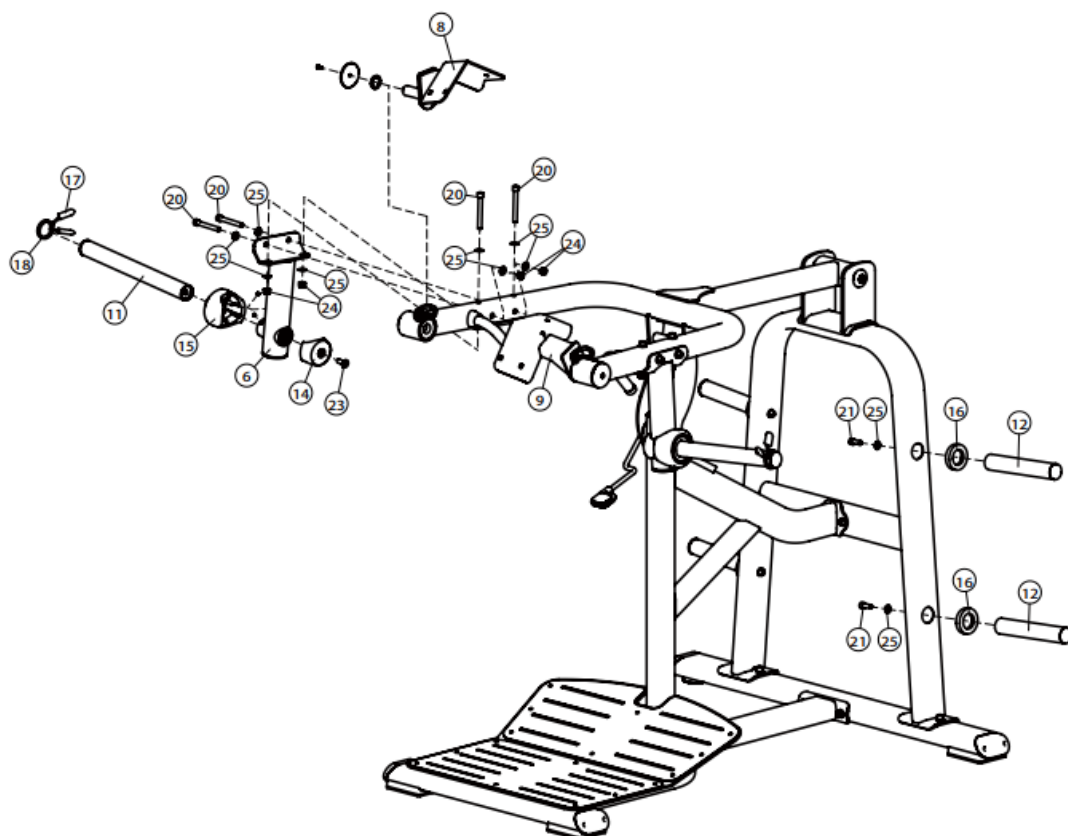
**Note Hand** Tighten Bolts and Nylon Lock Nuts.



#### STEP 4

Item No.	Description	Qty	Item No.	Description	Qty
13	Shoulder Pad	2	27	Flat Washer $\phi 9 \times \phi 16 \times 1.6$	6
22	Soket Head Cap Screw M8×30	6			

**Note:** Hand Tighten Bolts and Nylon Lock Nuts.



## Maintenance Schedule

ROUTINE	COMMERCIAL MAINTENANCE	HOME MAINTENANCE	LATEST DATE ENTRY						
Inspect; Links, Pull Pins, Snap Locks, Swivels, Weight Stack Pins	DAILY	WEEKLY							
Clean; Upholstery	DAILY	WEEKLY							

Inspect; Cables or Belts and their tension	DAILY	WEEKLY							
Inspect; Accessory Bars, and Handles	WEEKLY	3 MONTHS							
Inspect; All Decals	WEEKLY	3 MONTHS							
Inspect; All Nuts and Bolts, Tighten if needed	WEEKLY	3 MONTHS							
Inspect; Anti-Skid Surface	WEEKLY	3 MONTHS							
Clean & Lubricate; Guide Rods with a Teflon (PT FE) based lubricant (Superlub e)	MONTHLY	3 MONTHS							
Lubricate; Seat Sleeves, Turcite Bushings, Linear Bearing	MONTHLY	3 MONTHS							
Clean and Wax; All Glossy Finishes	6 MONTHS	YEARLY							
Repack with Grease; Linear Bearings	6 MONTHS	YEARLY							
Replace; Cables, Belts and Connecting Parts	YEARLY	3 YEARS							

Your equipment comes with a commercial maintenance decal. For personal, in home use, please follow the home

maintenance schedule listed above.

## **General Maintenance Information**

### **Links, Pull-Pins, Snap Hooks, Swivels, Weight Stack Pins:**

- Check all pieces for signs of visible wear or damage.
- Check springs in snap hooks and pull-pins for proper tension and alignment.
- If the spring sticks or has lost its rigidity, replace it immediately.

### **Upholstery:**

- To ensure prolonged upholstery life and proper hygiene, all upholstered pads should be wiped down with a damp cloth after every workout.
- Periodically take the time to use a mild soap or an approved vinyl upholstery cleaner to deter the onset of cracking or drying. Avoid using any abrasive cleaners or cleaners not intended for use on vinyl.
- Replace ripped or worn upholstery immediately.
- Keep sharp or pointed objects clear of all upholstery.

### **Decals:**

- Inspect and familiarize yourself with any safety warnings or other user information posted on each decal.

### **Nuts and Bolts:**

- Inspect all nuts and bolts for any loosening and tighten if needed.
- Go through a re-tightening sequence periodically to ensure that all hardware is tensioned properly.

### **Anti-Skid Surfaces:**

- These surfaces are designed to supply secure footing and need to be replaced if they appear worn or become slippery.

### **Belts and Cables:**

- We use only high-quality belts and mil-spec cables.
- Visually inspect the belts and cables for fraying, cracking, peeling, or discoloration.
- While the machine is not in use, carefully run your fingers along the belt or cable to feel for thinning or bulging areas.
- Replace belts and cables immediately at the first signs of damage or wear. Do not use equipment until belts or cables have been replaced.

### **Belt and Cable Tension:**

- Referring to the Owners Manual, when belts or cables are used check all bolt attachments to be sure they are

properly attached.

- Check slack in cables and re-adjust cable tension if needed.

### Seat Sleeves and guide Rods:

- Wipe down adjusting tubes with a dust-free rag before applying lubricant.
- Lubricate seat sleeves and Guide Rods with a Silicon or Teflon-based lubricant spray.


### Linear Bearings:

- Referring to the Owners Manual carefully disassemble the bearing from its housing and place a finger full of light grease (lithium, super lube, etc.) into the inside of the bearing. Using your finger, press the grease into the ball-bearings and their tracks. repeat until the ball-bearing tracks are full of grease. Insert the shaft back into the bearing and wipe off excess grease.

PLEASE KEEP THIS FOR YOUR RECORDS

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## Documents / Resources

	<p><a href="#">TKO Strength 711SM Signature Squat Machine</a> [pdf] Owner's Manual 711SM Signature Squat Machine, 711SM, Signature Squat Machine, Squat Machine, Machine</p>
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## References

- [TKO Strength & Performance](#)
- [User Manual](#)

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