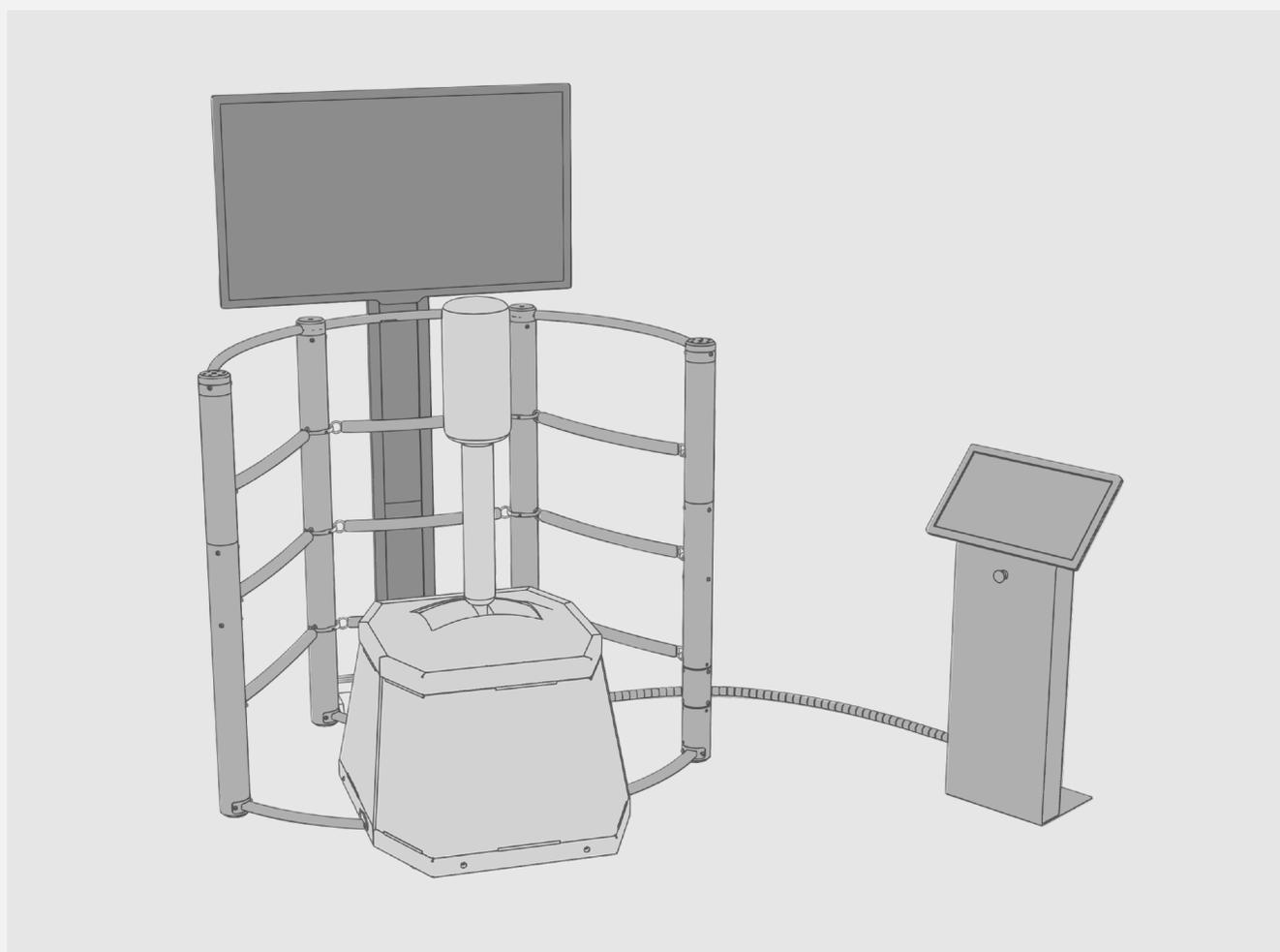


# BotBoxer Simulator Maintenance Guide



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## I. Warranty Exclusion Policy

The warranty of your BotBoxer simulator covers **only factory defects detected** within the warranty period.

The manufacturer's warranty of you BotBoxer does not cover any malfunctions arising from the following circumstances:

- Unqualified or improper installation of the equipment
- Installation and operation under unacceptable conditions, including but not limited to:
  - Renovation or repair works in the premises
  - Excessive humidity levels
  - Low or high temperatures
  - Other extreme conditions
- Untimely maintenance of the equipment
- Maintenance performed by unqualified personnel

All such malfunctions will be rectified on a paid basis.



Technical maintenance of the BotBoxer simulator should be provided by the specialist, trained and certified by the equipment supplier during the simulator assembly process. If the buyer's personnel are not present during the simulator assembly, such training should be conducted separately and will incur an additional fee.



## II. General Recommendations

### A. Where to Place Your BotBoxer

- Set up a BotBoxer simulator on a **flat, non-slip surface**.
- If needed, place a rubber mat underneath the simulator.
- Avoid placing the simulator in direct sunlight, especially on the front screen.

### B. Keep It Clean

- Every other day, wipe down the exterior with a soft cloth.
- Do not use cleaning products that can damage plastic or screens.

### C. Daily Startup Checklist

Each day when turning on the simulator:

1. **Inspect the exterior and power cables** for any signs of damage.
2. Switch to **Training Mode** and check for normal operation.  
There should be **no unusual sounds** like rattling, clanking, or buzzing.
3. If you hear something unusual, **do not use the simulator**.  
Contact your trained technician to inspect and tighten all fasteners.

### D. Important Precautions

#### Do not use the simulator if:



- There are issues with the frame or wiring
- Any fasteners are loose

**Continuing to use the simulator in these conditions may cause additional damage that is not covered by the warranty.**



### III. Regular Maintenance Schedule

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#### A. Safety First



- Always turn off and unplug the simulator before performing any service.
- Maintenance should only be done by trained personnel.

Technical maintenance training for personnel is provided during the simulator assembly process. If the buyer's personnel are not present during the simulator assembly, such training should be conducted separately and will incur an additional fee.

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## B. Routine Maintenance Every 50 Hours of Use (or at least once every 10 days)



Before starting the maintenance:

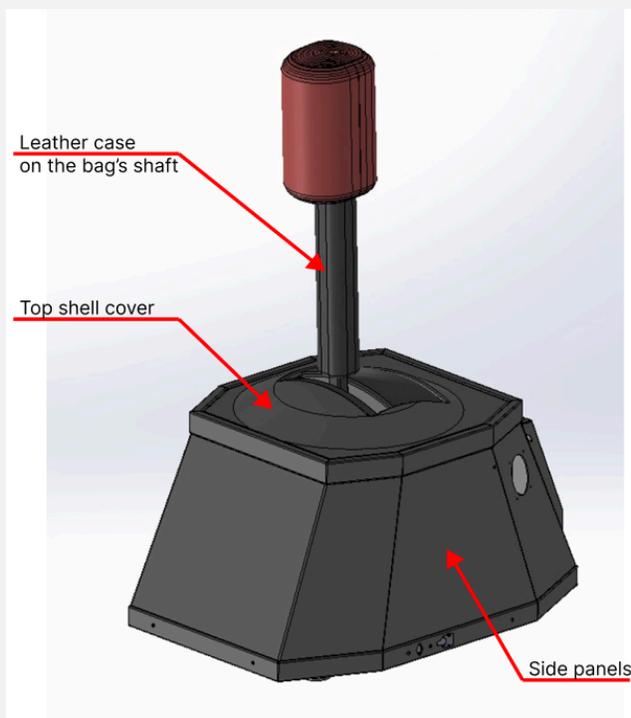
- Test the simulator in all available modes.
- Make sure BotBoxer performs properly.
- Listen for any unusual noise, clanging, rattling.

After that switch the BotBoxer off and unplug it from the power supply.

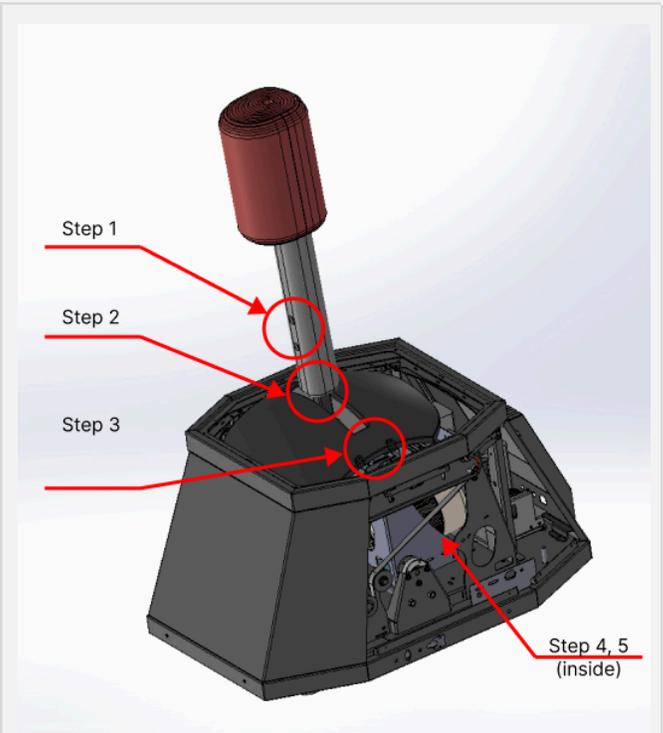
To perform this maintenance procedure, minimal disassembly of the simulator is required. The following components need to be removed (see Pict.1):

- Leather case from the punching bag's shaft
- Top shell cover (magnetic fasteners)
- Side panels (magnetic fasteners)

**Important note:** The top shell cover and side panels are secured with **magnetic fasteners**. To remove them, gently pull them toward one edge until the magnetic connection is released.

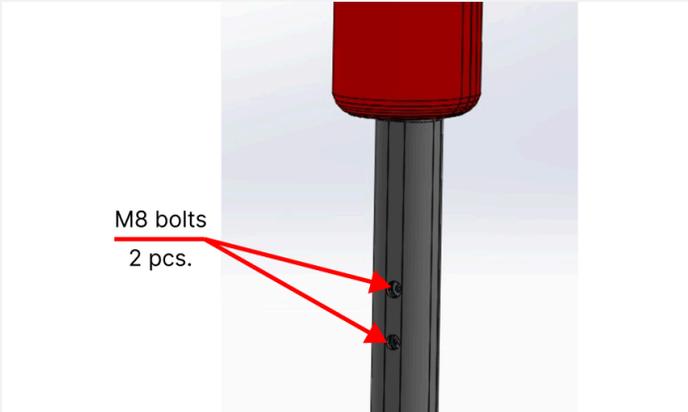
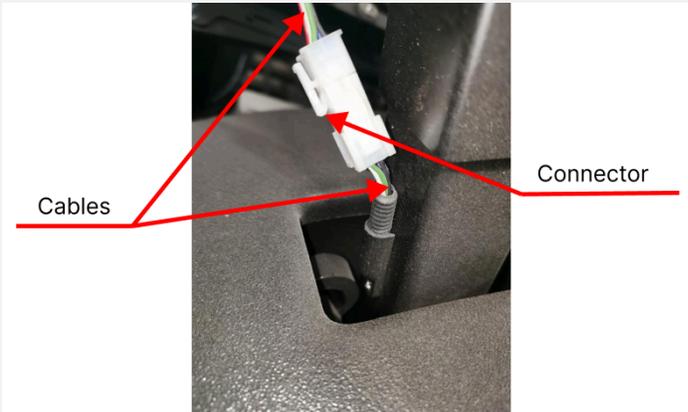
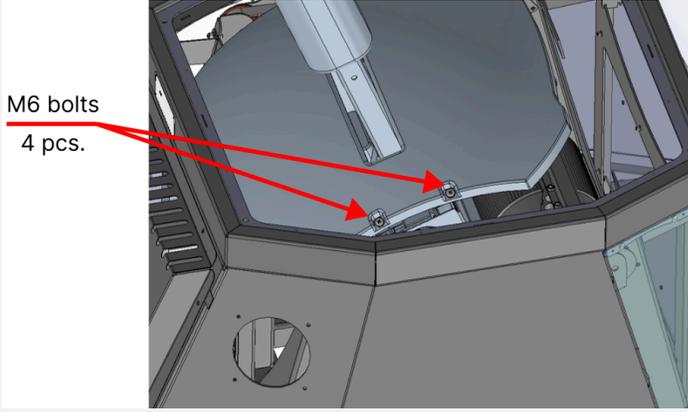


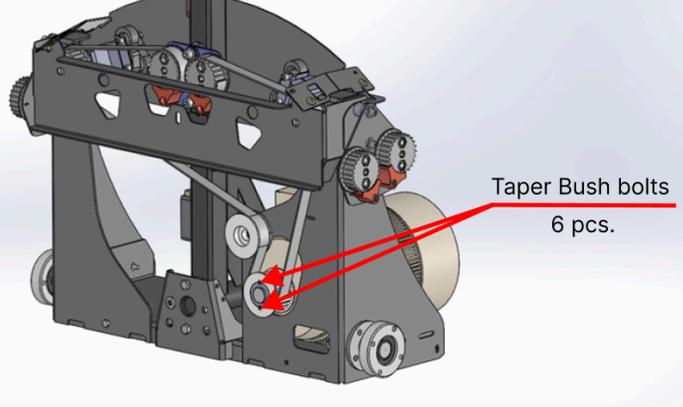
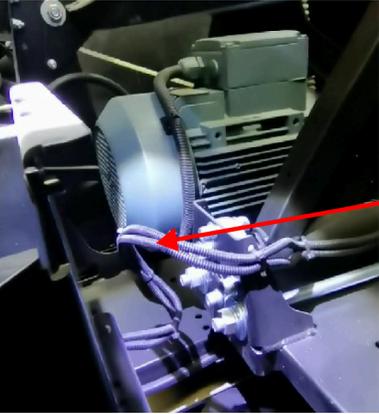
Pict. 1  
Assembled BotBoxer



Pict. 2  
Disassembling for Routine Maintenance



STEP	DESCRIPTION AND PICTURE	
1	Inspect and tighten if needed <b>M8 bolts</b> securing the punching bag - <b>2 pcs.</b>	 <p>M8 bolts 2 pcs.</p> <p><i>See position in Pict.2</i></p>
2	Conduct an inspection <b>of the cables and connectors</b> originating from the sensors and located on the punching bag's shaft assembly.  If the connector is loose, unplug and plug it back.  If any visible damage is detected, such as compromised insulation or connector damage, replace the affected components.	 <p>Cables</p> <p>Connector</p> <p><i>See position in Pict.2</i></p>
3	Inspect and tighten if needed <b>M6 bolts</b> on the inside shell cover both sides- <b>4 pcs.</b>	 <p>M6 bolts 4 pcs.</p> <p><i>See position in Pict.2</i></p>

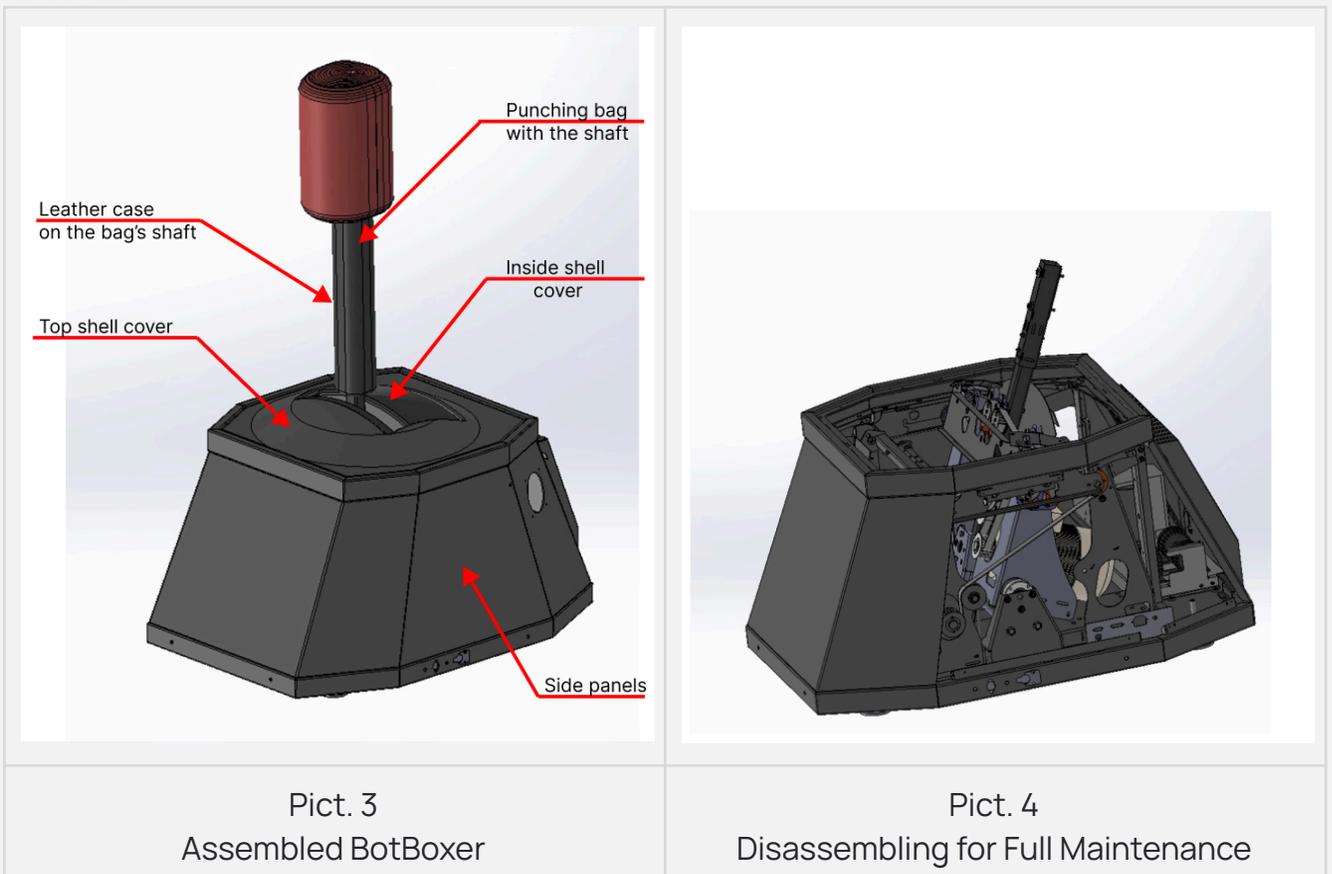
4	<p>Inspect and tighten if needed <b>TaperBush bolts</b>, fixing the gear pulleys on the shafts of the motors – <b>6 pcs.</b></p> <p>Use a 3mm hex key.</p>	 <p>Taper Bush bolts 6 pcs.</p>
5	<p>Inspect the integrity of the motor and sensor cable loops.</p> <p>Verify that there are no signs of damage or impairment to the cables.</p>	 <p>Motor and sensor cables</p>

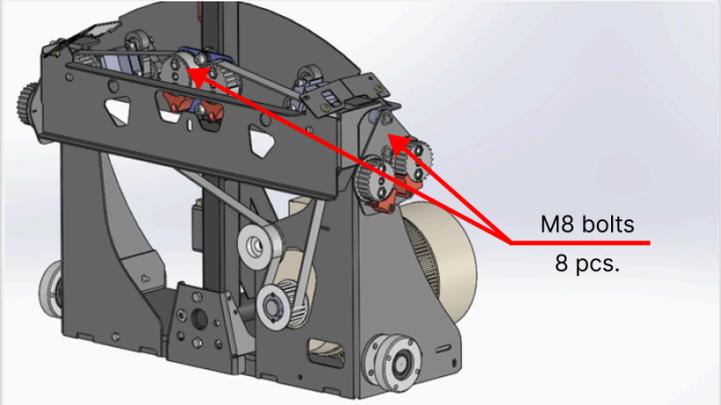
### C. Full Maintenance Every 200 Hours (or at least once every 2 months)

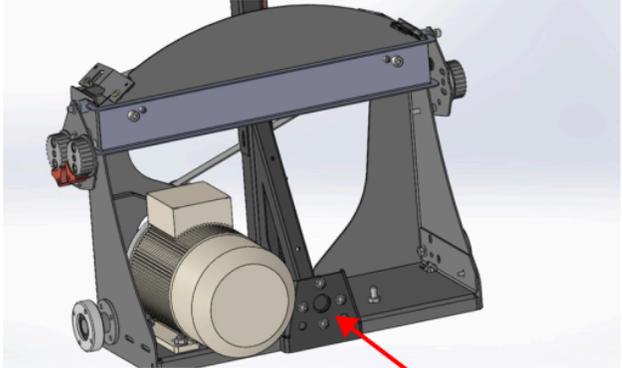
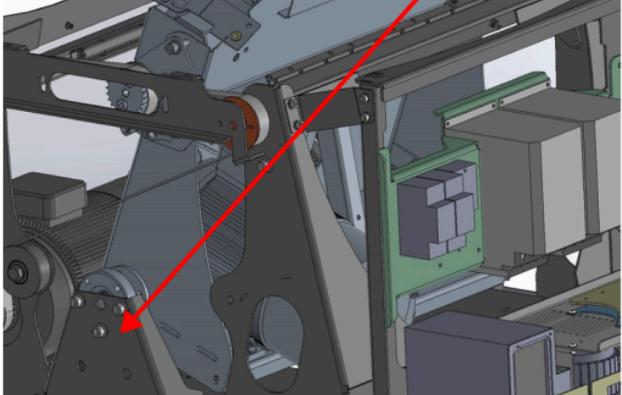
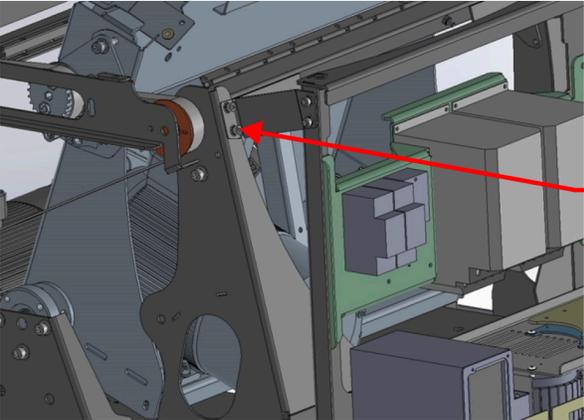
To perform this maintenance procedure, the following components need to be removed (see Pict.3):

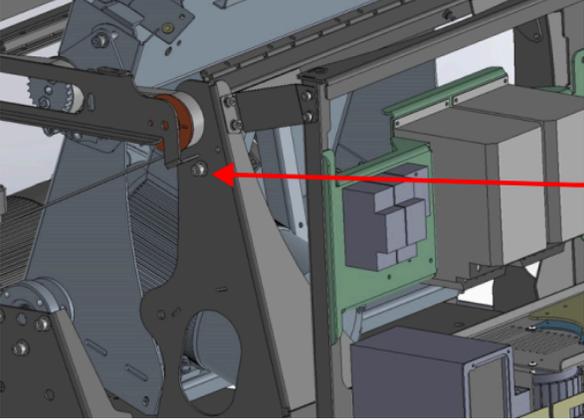
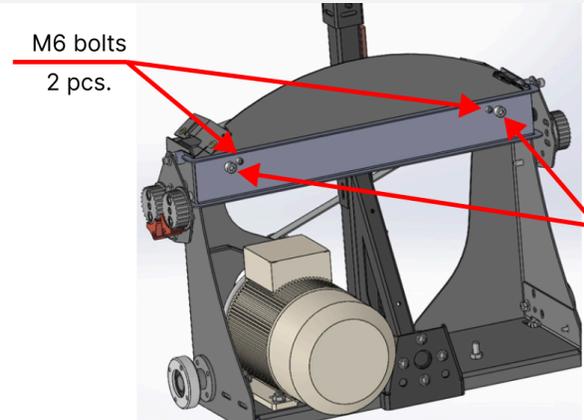
- Leather case from the punching bag's shaft
- The punching bag together with the shaft. To do this:
  - Carefully unplug the **connector** (see Step 2 Section B)
  - Unscrew the M8 bolts on the punching bag's shaft (see Step 1 Section B)
  - Gently pull the bag and shaft up together.
- Top shell cover (magnetic fasteners)
- Inside shell cover (unscrew M6 bolts, see Step 3 Section B)
- Side panels (magnetic fasteners)

**Important note:** The top shell cover and side panels are secured with **magnetic fasteners**. To remove them, gently pull them toward one edge until the magnetic connection is released.



STEP	DESCRIPTION AND PICTURE
1	<b>Provide Section B Routine Maintenance Every 50 Hours of Use.</b>
2	<p>Perform a comprehensive tension check of <b>all timing belts</b>, utilizing both visual and tactile methods.</p> <p>Following the inspection, <b>lubricate the gears</b> using silicone grease containing PTFE.</p>
3	<p>Perform a tactile assessment of the tightness of the attachment of all electric motors to their bases using manual check.</p> <p>If necessary, <b>tighten the fasteners</b> to ensure proper securement.</p>
4	<p>Inspect and tighten if needed <b>M8 bolts</b> on belt tensioning units – <b>8 pcs.</b></p> 

<p>5</p>	<p>Inspect and tighten if needed <b>M8 bolts</b> on bearing covers - <b>14 pcs.</b></p>	 <p>M8 bolts 14 pcs.</p> 
<p>6</p>	<p>Inspect and tighten if needed <b>M6 bolts</b> on metal corner brackets - <b>16 pcs.</b></p>	 <p>M6 bolts 16 pcs.</p>

<p>7</p>	<p>Inspect and tighten if needed <b>M8 bolts</b> on the rear shock absorber mount – <b>2 pcs.</b></p>	 <p>M8 bolts 2 pcs.</p>
<p>8</p>	<p>Inspect and tighten if needed <b>M8 - 4 pcs. and M6 - 2 pcs.</b> on side shock absorbers</p>	 <p>M6 bolts 2 pcs.</p> <p>M8 bolts 4 pcs.</p>

### D. If You Hear Unusual Noises

If you hear clanking or other metallic sounds during use:



- Perform Full Maintenance (Section B & C) checks immediately.
- Also inspect the fasteners securing the safety cage to the simulator frame.



## IV. Inspection Report (Template)

After completing any maintenance, please fill out the **Inspection Report** and send a copy to your equipment supplier by the next business day.

Simulator Model: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Date: \_\_\_\_\_ Location: \_\_\_\_\_

- Section B Routine Maintenance Every 50 Hours of Use (or at least once every 10 days) has been performed.

Remarks and Resolved Issues:

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- Section B & C Full Maintenance 200 Hours of Use (or at least once every 3 months) has been performed.

Remarks and Resolved Issues:

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Maintenance provided by

Full Name and Signature:

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