

Title: **Gaskets for steel frame brackets**

Models: **SC1.19, SB20, SMU-23**

**TSB Update Notice:**

Initial release

**Introduction:**

Gaskets have been prepared for 2018-2019 steel frames to prevent squeaking caused by friction between the frame brackets and stabilizers. These are available from Stages Indoor Cycling as warranty parts.

**Model Applications:**

SC1.19 are the primary consideration. SC1.20 and all steel frames produced after 2020/08 will not be affected.

Consumer/home units based on SC1.19 are eligible on an as-needed basis: SB20, SMU-23.

**Service Condition:**

Commercial facilities using SC1.19 frames are likely to experience squeaking after extended use.

Typically, the bolts, nuts, and washers used to secure the stabilizer to the frame are at fault for squeaking. Unique to this frame model, the tolerance stack of manufacturing causes the curve of the frame brackets to contact the curve of the stabilizers at up most 2 points. Normal vibration from use leads to friction between these components which eventually wears through the stabilizer coat. When bare metal is exposed, squeaking results from this friction, in addition to continued damage.

**Service Tools & Materials:**

Materials

- 001-0511 SC1.19 frame bracket rear decal (1 per bike)
- 001-0512 SC1.19 frame bracket front decal (1 per bike)

Tools

- 6mm hex key
- adjustable wrench
- 180 or 220 grit sandpaper/scouring pad
- shop towel or cleaning wipe

**Service Procedure for SC1.19 and SC1.20:**

1. Tip bike onto nose.
2. Using 6mm hex key and adjustable wrench, remove 2x stabilizer fasteners (2 each x M10 bolt, nut, and 2 flat washers).



3. Remove the rear stabilizer.



- Using cleaning wipe to remove debris, hair, and any visible liquid from frame bracket and stabilizer.



- Using sandpaper, lightly sand both frame bracket and stabilizer near any existing damage and ½" in all directions around that damage until flat.
- Remove backing paper from gasket and apply gasket to frame bracket. Ensure bolt holes are not obstructed by gasket!



7. Assemble rear stabilizer to frame with 2x stabilizer fasteners.
8. Tighten fasteners until flush with frame bracket and stabilizer dimples lightly.
9. Tip bike onto tail.
10. Repeat steps 2 - 8 for the front stabilizer.



**Service Procedure for SMU-23/Soul Cycle At Home Bike and SB20:**

1. Unplug bike at plug just above rear stabilizer but keep the wire threaded through the strain relief bracket on the bottom of the stabilizer if possible.
2. Remove two stabilizer hardware screws (6mm, no wrench required as there are no nuts on other side)



3. Remove stabilizer from the frame and gently let the frame rest on a soft surface.



4. Thoroughly clean the stabilizer attachment area as to remove all potential contaminants.



5. Apply gasket decal on the stabilizer itself. Take care to line up the decal with the hardware holes and ensure it matches the orientation of the frame attachment. For the rear decal the chamfered edge will be toward the rear of the bike.



6. Reinstall the stabilizer using the same hardware. Tighten fasteners firmly.



7. Repeat steps 2-6 for the front stabilizer.





8. Plug in bike and ensure proper functionality.