

## SB, Anti-vibration kit, Soff-Cut 150/150D, 2020-05

### SYMPTOM/DESCRIPTION

Some machines can have excessive vibrations due to the new Kohler engine. Excessive vibration could affect the ability to follow a marked line or to restart in an existing cut. Some machines can also start jumping on the ground at idle and/or high speed.

### AFFECTED UNITS

Model	SKU
Soff-Cut 150 D	966844810
Soff-Cut 150	966844811
Soff-Cut 150	966844812
Soff-Cut 150	966844816

### CORRECTIVE ACTION

If your machine has an old style handle arm (figure 1) and there are vibration issues occurring; use the kit P/N 599377201 to update the machine according to Appendix A.

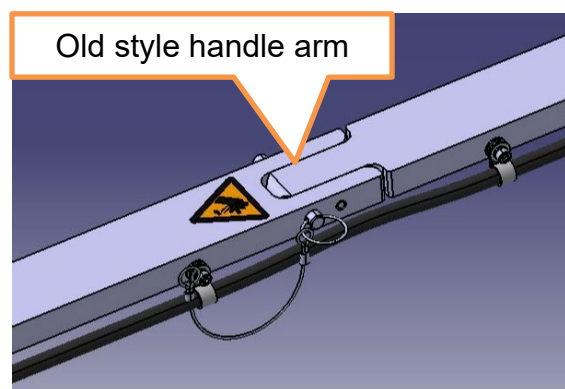


Figure 1:

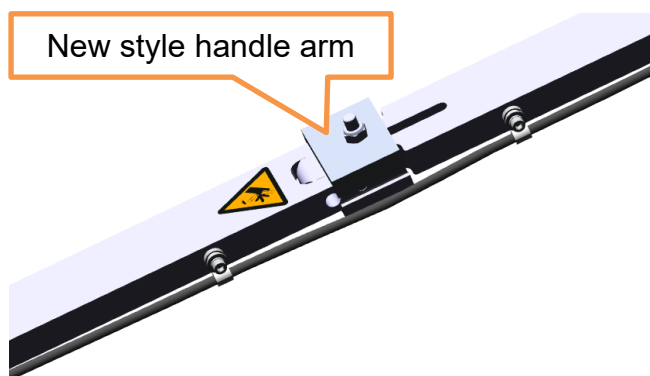


Figure 2:

If your machine has a new style handle arm (figure 2) and there still are vibration issues occurring; please call for technical assistance.

Adjust the low (idle) and high (working) RPM of the engine according to Appendix B.

### PROCEDURE

Refer to:

- Appendix A - Procedure for installing kit P/N 599377201.
- Appendix B - Procedure for adjusting idle and working RPM of Kohler engine.

**PARTS INFORMATION**

Kit P/N 599377201 should be ordered for updating the machine.

Unused parts and parts remaining after update should be scrapped locally.

Products in local stock and products going in for a regular service should be updated.

**WARRANTY INFORMATION**

The normal warranty policy applies.

***Revision History***

<b><i>Rev.</i></b>	<b><i>Date</i></b>	<b><i>Order id.</i></b>	<b><i>Description</i></b>
<b><i>A</i></b>	<b><i>2020-05</i></b>	<b><i>SB-5622</i></b>	<b><i>Created</i></b>

#### Appendix A: Procedure for installing kit P/N 599377201

1. Unscrew the bolts and remove the throttle wire from the handle arm together with the clamps (figure 3).
2. Unscrew the bolts and remove the handle bar (figure 3).

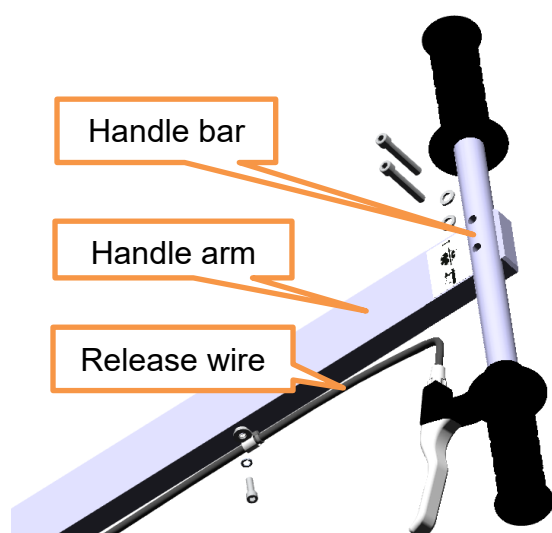


Figure 3:

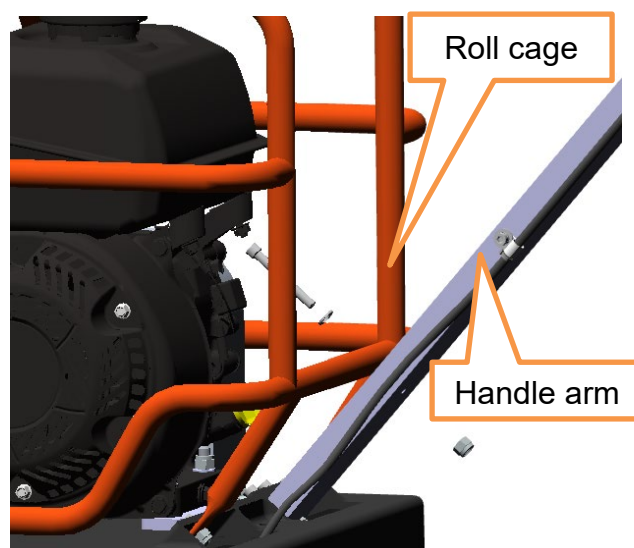


Figure 4:

3. Unscrew the nut and remove the bolt holding the handle arm to the roll cage (figure 4).
4. Unscrew the bolts holding the handle arm to the base plate and remove the handle arm (figure 5).

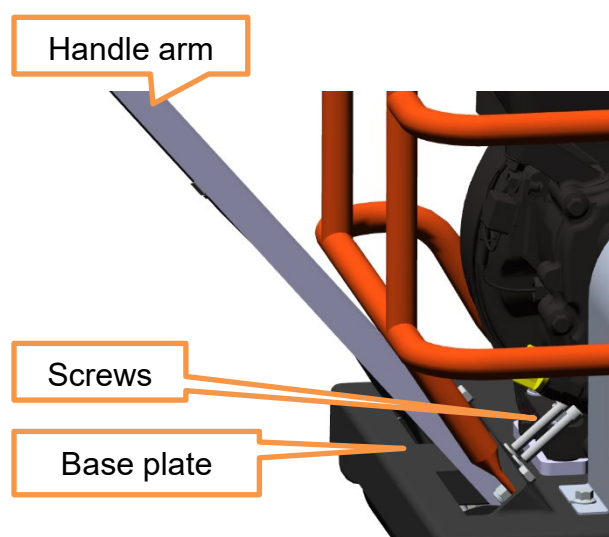


Figure 5:

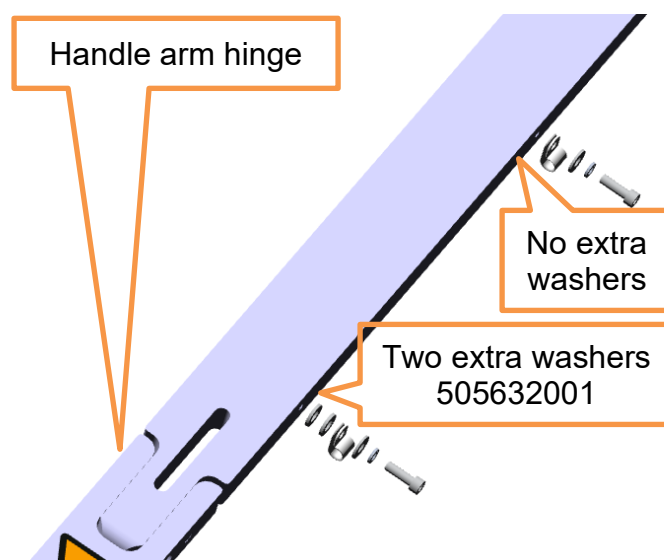


Figure 6:

5. Mount the new handle assembly 599223501 in the reverse sequence (figure 6). At two positions, closest to handle arm hinge, there should be two extra washers 505632001. These extra washers should be placed between the handle arm and cable clamp.

6. Put the upper half 599223801 and the lower half 599223901 of the clamp onto the handle arm and tighten them with screw M8x60 725246351, knob 504569301 and Nyloc nut 732251801 (figure 7). Place the Nordlock washer 599283901 between the knob and the lower part of the clamp. The head of the bolt needs to be pressed into correct position in the knob. Only use low to moderate force.

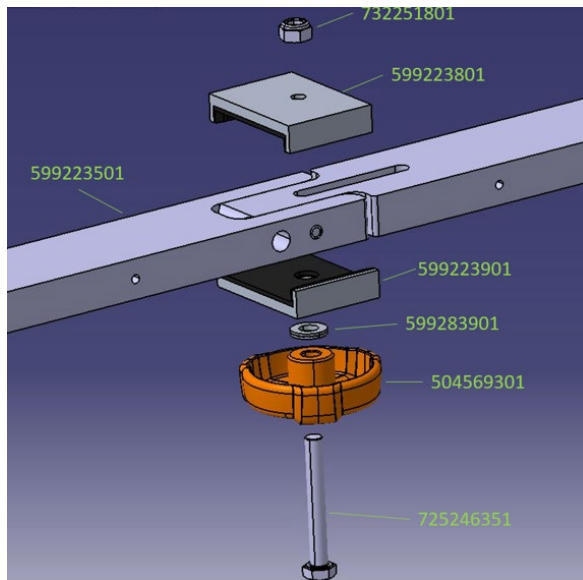


Figure 7:

7. Attach one decal 582185401 according to figure 8 and two decals 595084101 according to figure 9.

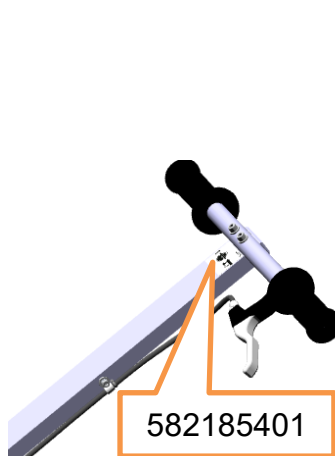


Figure 8:

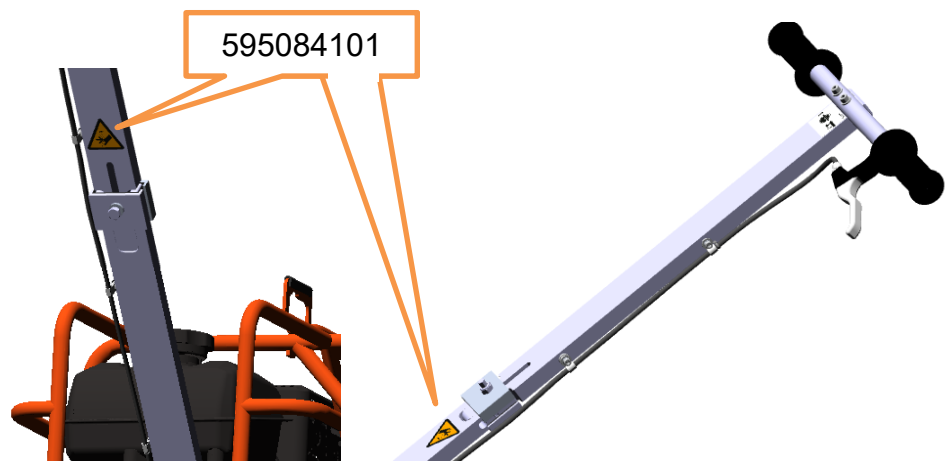


Figure 9:

**Note:** The kit contains extra screws and nut for holding the handle bar to the handle arm and handle arm to the base plate and roll cage. Use them in case original ones are damaged during disassembly.

## Appendix B: Procedure for adjusting idle and working RPM of Kohler engine

1. After proper installation and tightening of all parts, the engine idle RPM needs to be adjusted to  $1900 \pm 100$  (figure 10). Ensure that the engine has reached normal running temperature prior to adjustment. Setting the idle to 1900 will ensure that the machine will have a stable behavior at idle.



Figure 10:

2. Set the working RPM to  $3750 \pm 100$  (figure 11).

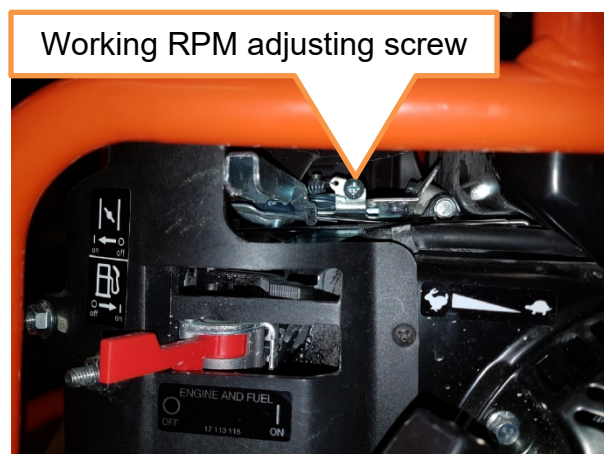


Figure 11: