# 06 HANDLEBARS & CONTROLS

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HANDLEBARS & CONTROLS

All ONYX models come with a standard set of low rise bars to suit a variety of different riding styles and terrains. The handlebar controls include the rear brake lever, front brake lever and master cylinder, high beam switch, turn signal switches, horn, on/off button, dashboard, and 1/2 throttle. ONYX bikes built after July 2020 also include a 5V USB charging port on the left side controls.

Handlebar Specifications

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<td>Standard ONYX Handlebars</td>
<td>7/8” x 24”</td>
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FRONT BRAKE CALIPER ASSEMBLY

HANDLEBAR REPLACEMENT

TOOLS

- PHILIPS SCREW DRIVER
- 8MM SOCKET
- 10 MM SOCKET
- 5MM ALLEN
- 2.5 MM ALLEN
- 3MM ALLEN
- 7MM WRENCH
- 10MM WRENCH
1. Starting with leftside control, remove the two front-facing exterior screws that hold the switch-side of the control onto the lever half.

2. Remove the leftside control handlebar clamp.

3. With an 8mm socket, remove the handlebar clamp for the master cylinder.

4. With a 3mm allen, loosen the handlebar clamp of the throttle.

5. Slide throttle inwards.
6. With a flathead screwdriver, pry up the inside of the grip and spray Windex or any other spray cleaner and twist the handlebar grip off. Or use razor blade and sacrifice your grips.

7. Repeat procedure for right grip.

8. Loosen handlebar clamp bolts 5mm allen.


10. With 10mm socket, loosen and remove nuts holding dash onto the dash mount.
11. Remove horn and dash from dash mount.

Removing the handlebar clamp bolts with your hand underneath will ensure that they don’t drop and roll into that black hole under your toolbox.

12. With 2.5mm allen and 7mm wrench, remove the dash mount clamp bolts.

13. Remove handlebar clamp bolts while holding the nuts underneath.

14. Lift handlebar and slide off throttle

15. Lightly pry apart dashboard clamps and slide off bars.

LEFT CONTROLS (2018—2020)

- HIGH BEAM SWITCH
- REAR BRAKE LEVER
- TURN SIGNAL SWITCH
- HORN

RIGHT CONTROLS

- MASTER CYLINDER
- HANDLEBAR CLAMP
- RIGHT SIDE LEVER
- THROTTLE
- POWER BUTTON
- MODE SWITCH
LEVER REPLACEMENT

Accidents happen and usually the pedals and levers are the first to hit the ground when you drop your bike. The following section explains how to replace the levers on your handlebars.

TOOLS

- 8MM SOCKET
- 10 MM SOCKET OR WRENCH
- 5MM ALLEN

While the following steps do not directly involve the electrical system, it is always good practice to turn off and/or unplug the battery before disassembling any components attached to the wiring harness.

FRONT BRAKE LEVER ASSEMBLY
1. Use a 10mm wrench to loosen lock nut on the actuator pin.

2. Use a 10mm socket or wrench and remove the lock nut of the lever pivot bolt.

3. Loosen and remove lever pivot bolt.
4. Then remove the lever.

5. Use 3mm allen to remove actuator.

6. Swap actuator over to new lever and leave loose.

7. Install new lever on master cylinder by reversing steps 1—3.

8. Install pivot bolt. Tighten pivot bolt to 12 nm.

9. Install pivot bolt nut and torque to 12 nm.

10. Tighten actuator bolt until the lever pressure feels snug and fits your riding position.

11. Snug lock nut down.
While the following steps do not directly involve the electrical system, it is always good practice to turn off and/or unplug the battery before disassembling any components attached to the wiring harness.

**TOOLS**

- 8MM SOCKET
- 10 MM SOCKET OR WRENCH
- 5MM ALLEN
1. Loosen the rear brake cable clamp with a 5mm allen.

2. Loosen and remove rear brake lever pivot lock nut with an 8mm socket.

3. With Philips screw driver. Remove rear brake lever pivot bolt while holding lever in place.

   Hold the lever in place while loosening the pivot bolt. This is to keep the return spring underneath in place while you carefully remove the pivot bolt and then the lever.

4. Remove pivot bolt slowly, holding the return spring and the lever together.
5. Remove lever and spring.


7. Replace by following steps 1—5 in reverse.

8. Adjust rear brake cable as per CHAPTER 02.
If your rear brake lever does not return back fully, you can adjust it:

With 2 sets of needlenose pliers, grip tightly in between the coil 2nd set on the long end and bend clockwise or open (about 2mm).