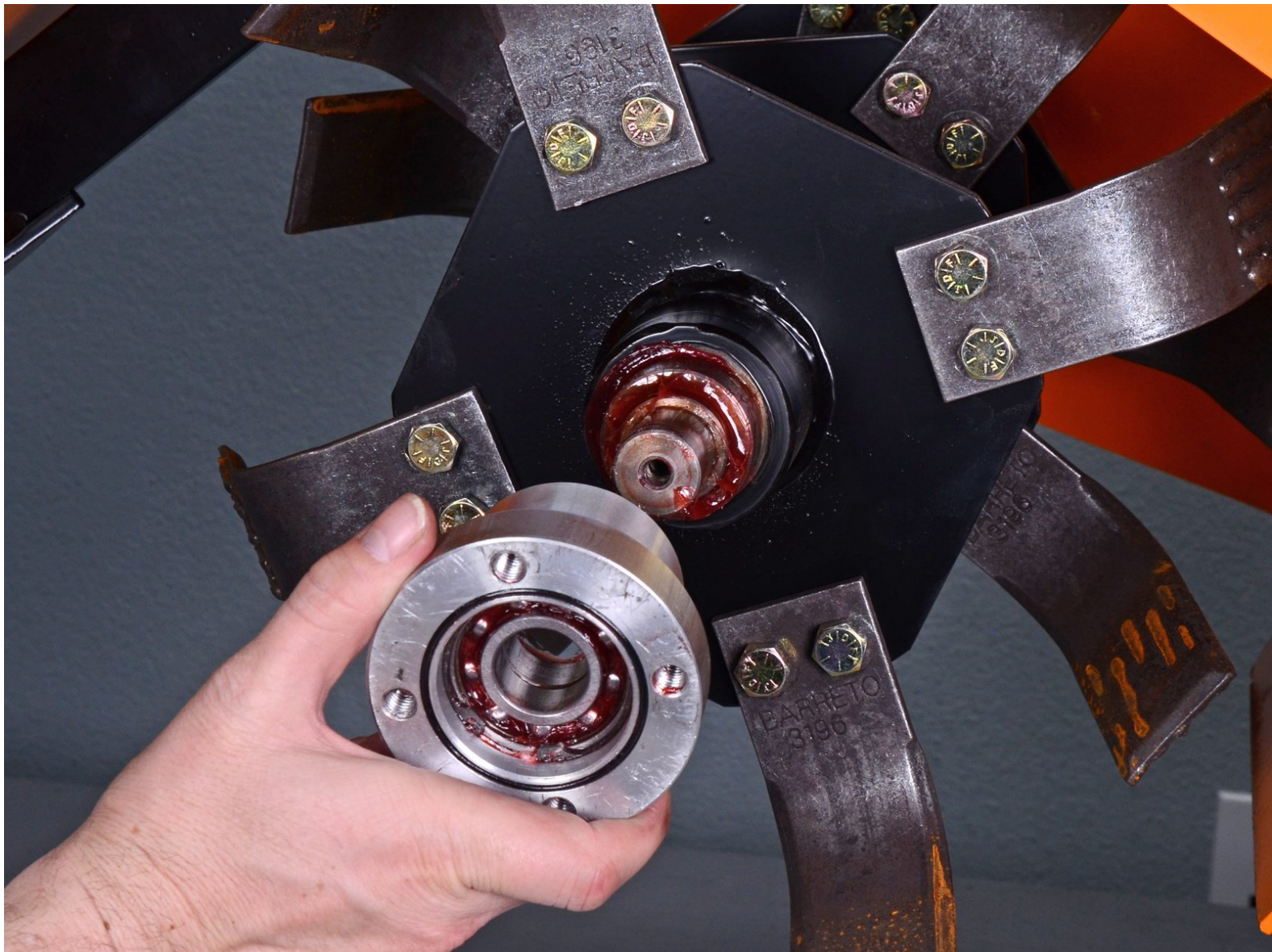




# Barreto Tillers E1320HTRLR 2016 Outboard Bearing Assembly Replacement

Guide to remove and replace the complete outboard bearing assembly on the Barreto Tiller E1320 2016.

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# INTRODUCTION

This guide shows how to remove and replace the complete outboard bearing assembly on the Barreto Tiller E1320 2016.

If only the internal ball bearings need to be replaced, use [this guide](#).



## TOOLS:

- [8 mm socket](#) (1)
- [3/8" Drive Ratchet](#) (1)
- [9/16" socket](#) (1)
- [9/16" Wrench](#) (1)
- [1/2" Socket](#) (1)
- [1/2" Wrench](#) (1)
- [Paper Towels](#) (1)
- [Shop Towels or Rags](#) (1)

*Optional*

- [3/8-Inch Drive Extension Bar](#) (1)

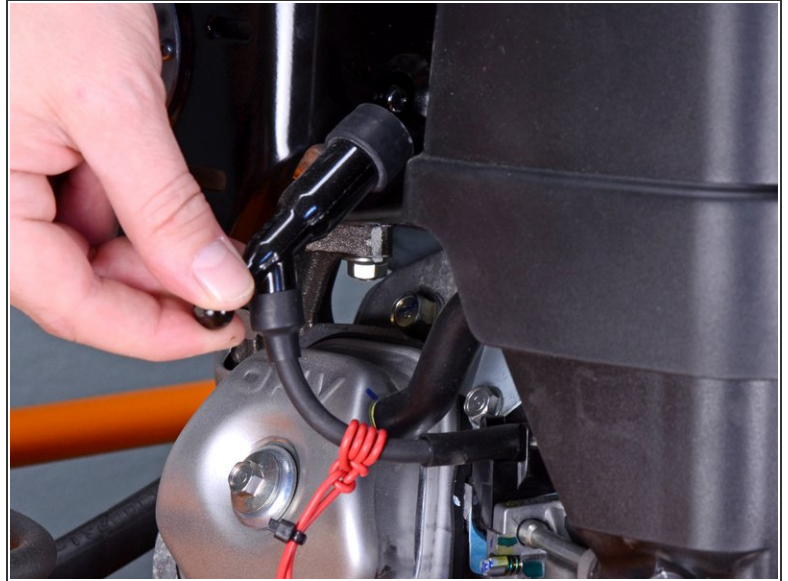



## PARTS:

- [Barreto Outboard Bearing Assembly 10144](#) (1)



## Step 1 — Disconnect the spark plug wire



 Before you begin, ensure that the engine is powered down and cool to the touch.

- Grab the plastic housing at the end of the spark plug wire and pull firmly to disconnect it.

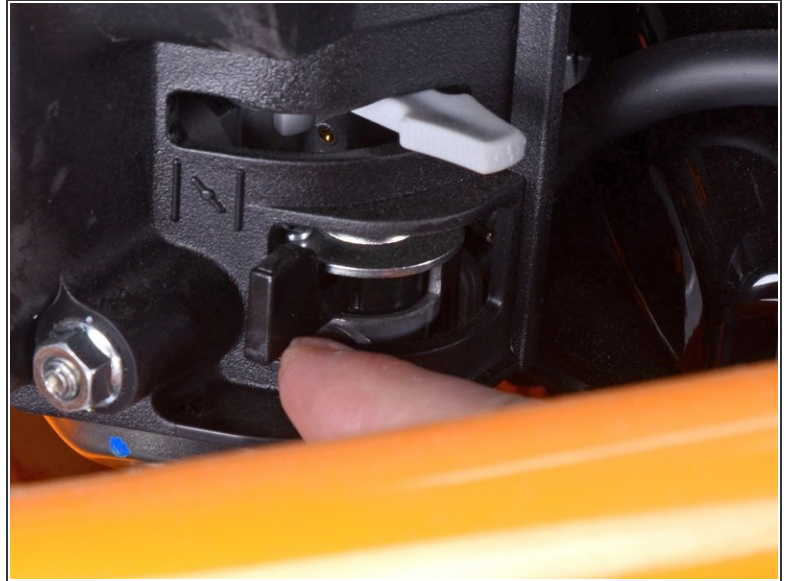
## Step 2 — Flip the engine switch to the off position



- Flip the red engine ON/OFF switch to the **OFF** position.



### Step 3 — Close the fuel valve



- Flip the fuel valve lever to the **OFF** position.

### Step 4 — Turn off the ignition



- Flip the ignition switch to the **OFF** position.
- Ensure the wheel drive control lever is set to the **neutral** position.

## Step 5 — Allow the wheels to freewheel



- Pull the locking pin out and rotate it 90° to unlock the right wheel from the hub.
- Repeat for the left wheel.

## Step 6 — Add wheel chocks



- Insert wheel chocks underneath each wheel to keep the device stationary during disassembly.

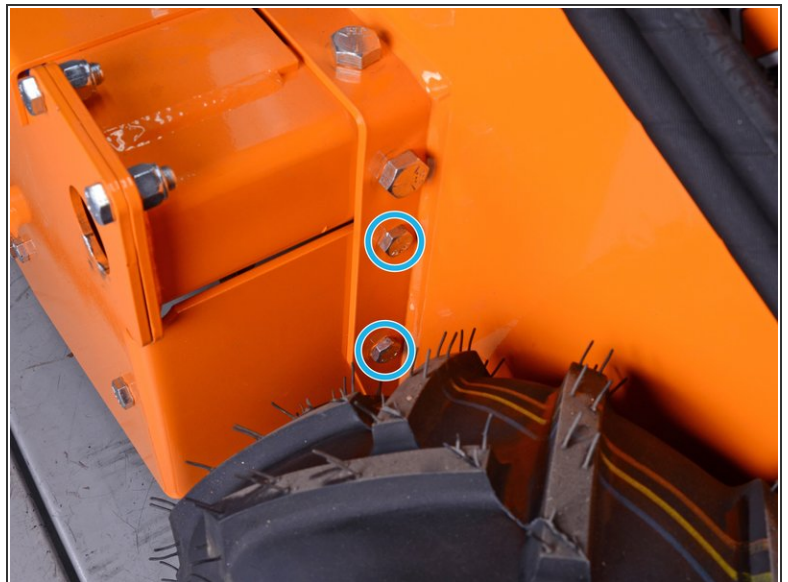


## Step 7 — Remove the grease fitting



- Use an 8 mm socket to remove the outboard bearing grease fitting.

## Step 8 — Remove the side plate bolts



- Use a 9/16 inch socket to remove the four bolts securing the tine shaft to the side plate.
- Use a 9/16 socket and wrench to remove the five bolts and accompanying nuts securing the side plate to the frame, three on the outside and two in the wheel well.

## Step 9 — Tilt the tiller



- Tilt the tiller up so the motor side is resting on the work surface with the tines raised.

## Step 10 — Remove the tine cover bolts



- Use a 1/2 inch socket and wrench to remove the four bolts and accompanying nuts securing the side plate to the tine cover.

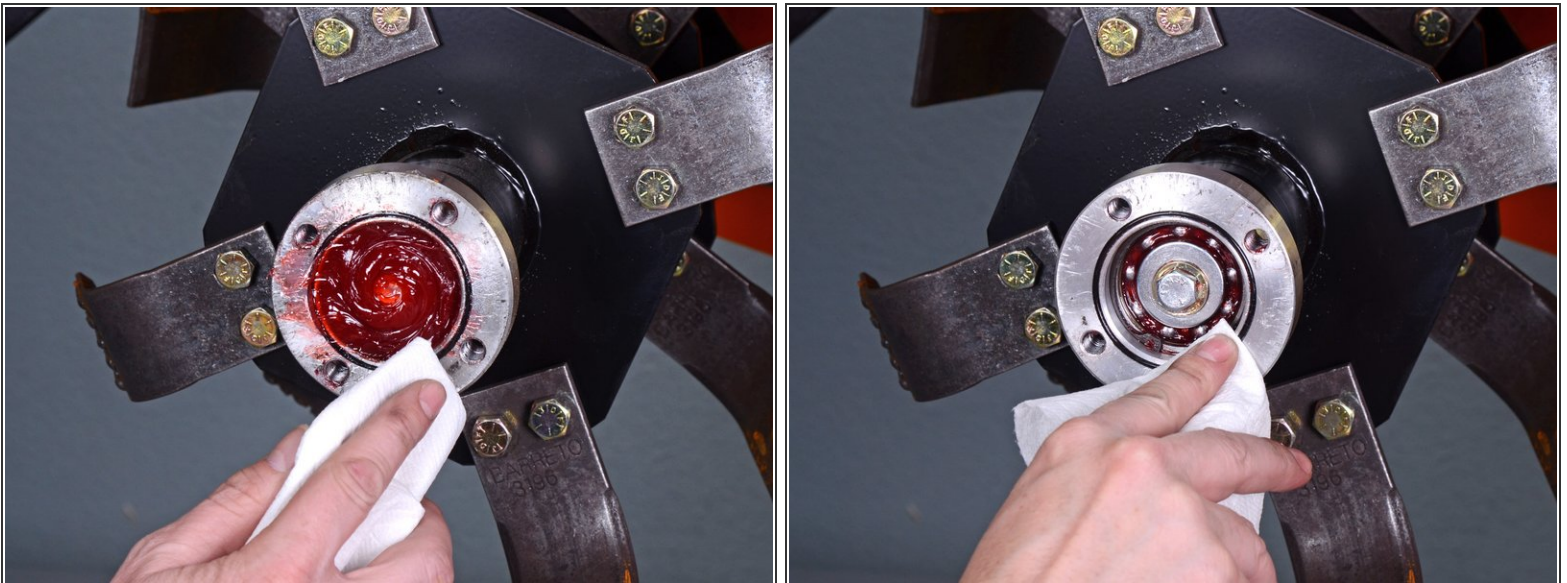


## Step 11 — Remove the side plate



- Slide the side plate down and away from the device to remove it.

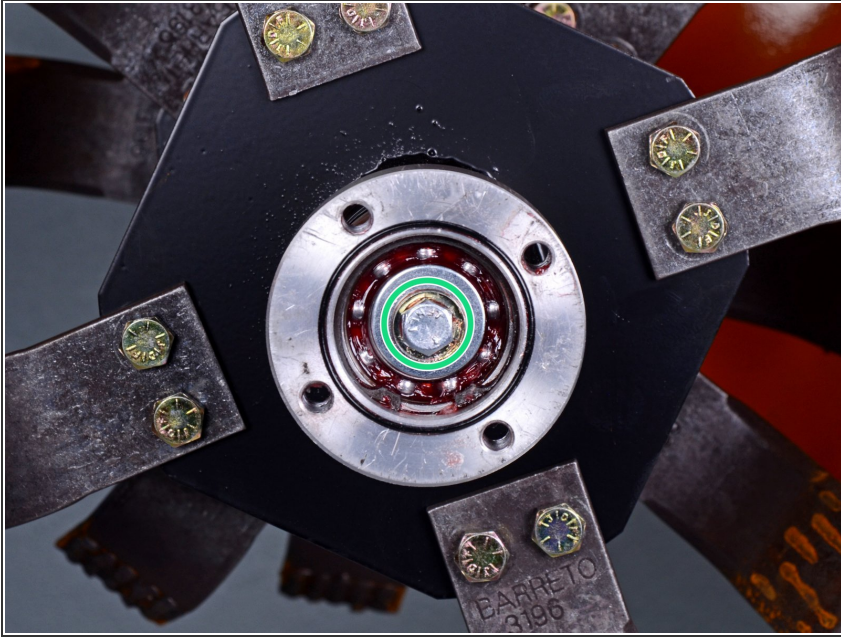
## Step 12 — Clean the assembly



- Use a clean paper towel or shop rag to remove the grease from the outboard bearing assembly.



### Step 13 — Remove the outboard bearing assembly bolt



- Use a 9/16 inch socket to remove the bolt securing the outboard bearing assembly to the tine shaft.

### Step 14 — Remove the washers



- Remove the three washers, held in place by the bolt, from the outboard bearing assembly.

## Step 15 — Remove the outboard bearing assembly



- Pull the assembly off of the tine shaft to remove it.

To reassemble your device, follow these instructions in reverse order.