



# 4-Stroke Small Gas Engine Spark Plug Replacement

This guide will outline the removal and installation of a new Spark Plug.

Written By: Jack Linchey



## INTRODUCTION

In a gasoline engine, a Spark Plug provides an electrical spark to ignite to fuel inside, generating horsepower. Over time, a Spark Plug's ability to ignite will reduce from wear and eventually not work. Replacing Spark Plugs ensures your engine will run at optimal efficiency.



### TOOLS:

- [1/4" Socket](#) (1)
- [Adjustable Wrench](#) (1)
- [3/8" Drive Ratchet](#) (1)



### PARTS:

- [Champion RC12YC](#) (1)


## Step 1 — Spark Plug



- Tug the Spark Plug Cap from the top of the Spark Plug (between the OHV housing and the exhaust manifold) with your hands to remove it.

## Step 2



 Make sure the engine is turned off and cool to the touch before completing this step.

- Using a 1/4 " socket and Handheld Ratchet, loosen the three screws holding the Exhaust Manifold Heat Shield on.



## Step 3



- Once the Heat Shield is removed, grip the Spark Plug's threaded diameter with an Adjustable wrench and rotate counterclockwise.
- ⓘ Alternatively, you may use a 5/8" wrench or 5/8" deep socket along with a handheld ratchet.
- Remove the Champion RC12YC Spark Plug from the device.

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