



# How to Clean Mikuni Snowmobile Carburetor

Cleaning carburetors from a snowmobile for preseason maintenance.

Written By: Zack Reuter



## INTRODUCTION

Taking a snowmobile carburetor out of a snowmobile to partially disassemble to clean for preseason maintenance.

### TOOLS:

- 1/2" Socket (1)
- 3/8" Drive Ratchet (1)
- 1/4" Socket (1)
- Phillips #2 Screwdriver (1)
- Large Needle Nose Pliers (1)
- 3/8" Socket (1)
- 10mm Wrench (1)
- Secondary Tool (1)

### PARTS:

- Throttle Body and Air-Intake Cleaner (Carb) (1)

## Step 1 — How to Clean Mikuni Snowmobile Carburetor



- Remove the side panel.
- Pull the 2 rubber straps off.
- Pull the panel up and out.

## Step 2



- Remove the belt cover by removing the pin.

## Step 3



- Use the secondary tool to expand the clutch. Turn clockwise.
- After this is done, roll the belt over the clutch to remove belt. Rolling the belt towards the back end of the machine.

## Step 4



- Remove the bolt on secondary clutch with a 1/2"(12.7 mm) open ended box wrench.
- Pull the bolt and washers out.
- Slide the secondary clutch off of the shaft.

## Step 5



- Using a 3/8"(9.525 mm) socket on the 3/8" ratchet, remove the air horn bolts, and pull the air horn out.

## Step 6



- Pull the rubber strap off of the air box.
- Remove the airbox by pulling the box up and out towards yourself.

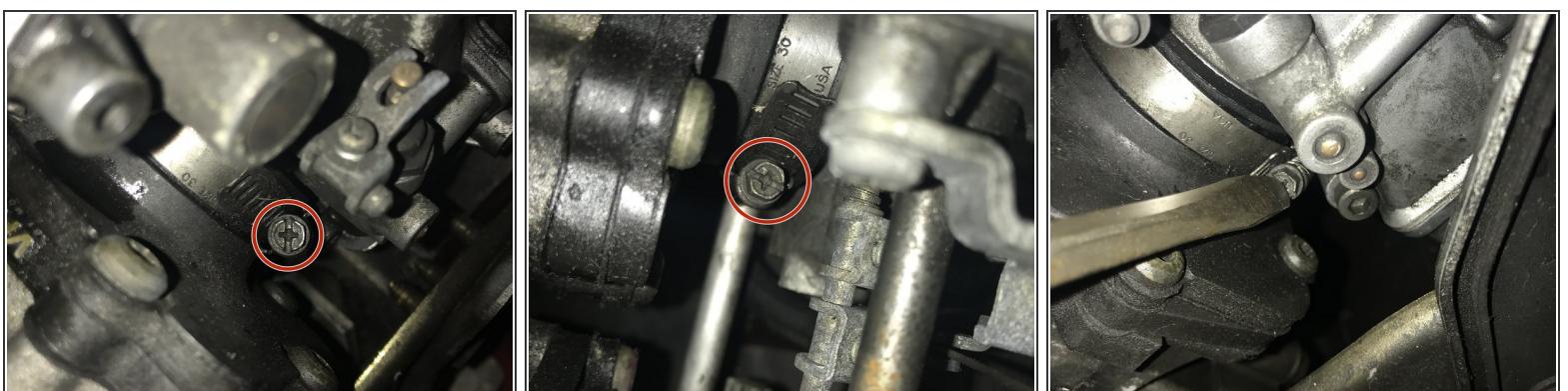
**⚠ Caution:** Be careful of pulling wires and cables.

## Step 7



- Turn the fuel off by turning the red fuel knob to the off position so that it is perpendicular to the hose.
- Note: straight piece on knob that is in line with hose means open. Perpendicular to the fuel hose means it is closed. (i.e. picture 2)

## Step 8



- Using a flat head screw driver, loosen the hose clamps on the carburetor boots so that it can be removed later.

## Step 9



- Using a 10 mm open ended box wrench, loosen the top and bottom nuts on the choke and throttle cable that are attached to the carburetor.

## Step 10



- Pull the carburetor off so that it can be rotated to the side.
- Pull the choke and throttle cables off by sliding cable through slots.

## Step 11



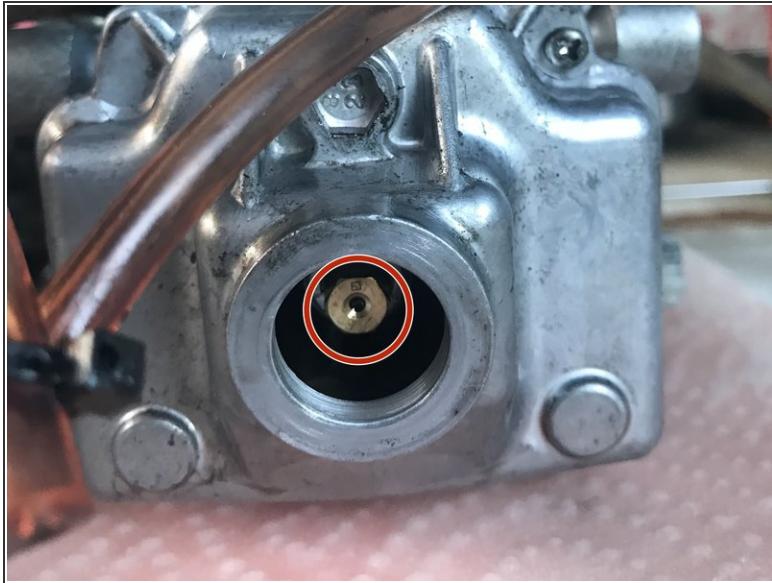
- Using a needle nose pliers, remove the hose clamp from the fuel hose that leads to the fuel rail.
- ⚠ Pull the fuel line off of the fuel rail connector. Be careful to not break the hose and/or connector.
- ⚠ Set a rag underneath the carb and fuel line to catch the fuel that pours out.

## Step 12



- Set the carb rack on paper towels in case fuel leaks out.
- On bottom side, take a 11/16" socket on a 3/8" ratchet to remove the bowls.

## Step 13



- Remove the main jet with a 1/4" deep socket on a 1/4" ratchet.

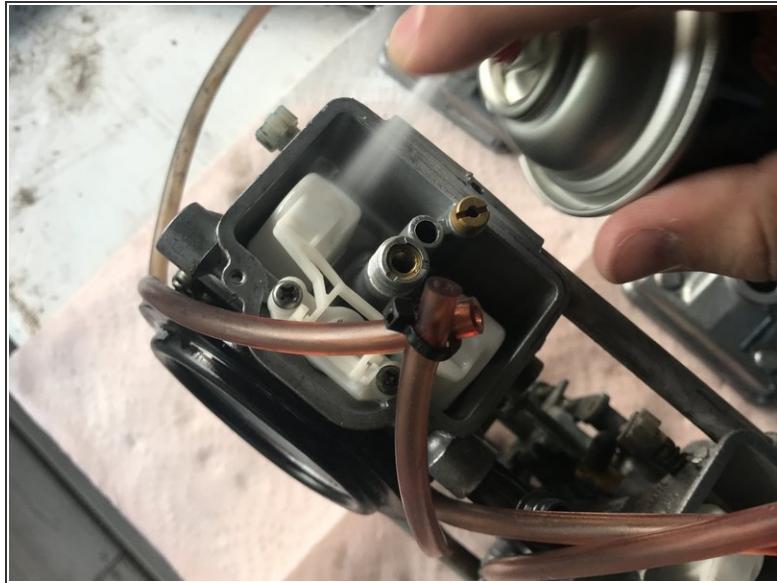
## Step 14



- Using a #2 Phillips head screw driver, remove the screw holding the bottom cover on.

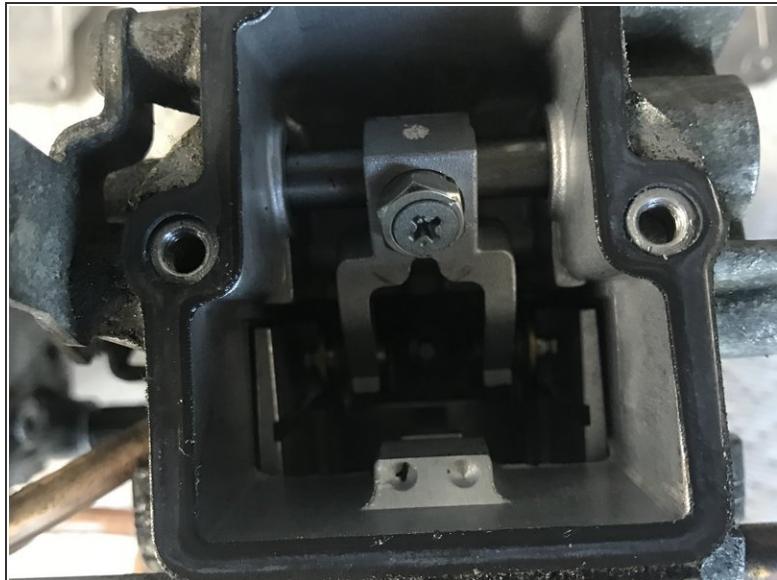
 Be cautious of the gasket falling out of slot on the cover.

## Step 15



- Use the carburetor cleaner to spray the floats and pilot air jet.

## Step 16



- Remove the 4 screws using a #2 Phillips screw driver that connect the top plate to carbs.

 Caution: the gasket can be removed with top cover plate.

## Step 17



- Spray the carb cleaner on the top part of the carb. Ensure clean mechanical action of needle guide.

## Step 18



- Spray carb cleaner on the bowls.

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