

# SMALL ENGINE

## HOW TO FIX AN OLD ENGINE!

**Before**

Changed the Oil

Replaced the Throttle Cable

Changed the Gas

Cleaned the Fuel filter

Changed Spark Plug

Sharpen the Mower Blade

**After**

**Trouble Shooting**  
I constantly was looking for solutions to the reoccurring problem of the engine not starting. After a lot of trouble shooting and a lot of failures, I had finally solved the problem. After that it was simply just a pull of the crankshaft pull cord and then engine roars to life.

The reason I chose this project  
I chose this project because of the constant reoccurring problem of the engine not starting. After a lot of trouble shooting and a lot of failures, I had finally solved the problem. After that it was simply just a pull of the crankshaft pull cord and then engine roars to life.

**WELD COUNTY FAIR**  
**GRAND CHAMPION**  
SMALL ENGINES

Name: Nikolai Kravna  
Club: Angels Robotics R.C. Club  
Product: Small Engines Mechanical Systems  
Teacher: Mr. [unclear]

**BLUE AWARDS**  
**GRAND CHAMPION**

# SMALL ENGINE

GRAND CHAMPION

NIKOLAI KRAYNA

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**After**

**Before**

**After**

**Grand Champion**

**WELD COUNTY FAIR**

**GRAND CHAMPION SMALL ENGINES**

NAME: Nikolai Krayna  
CLUB: Range Racers 4 H Club  
DIVISION: Small Engines, Mechanical Sciences

**BLUE AWARDS**

**GRAND CHAMPION**

**PROBLEMS**

**Trouble Shooting**  
I constantly was looking for solutions to the reoccurring problem of the engine not starting. After a lot of trouble shooting and a lot of failures, I had finally solved the problem. After that it was simply just a pull of the crankshaft pull cord and then engine roars to life.

**The reason I chose this project**  
I chose this project because of the constant problem of having to change the gas. I decided to take this challenge upon myself to see if an old gas engine was hard to change. Many of the problems were solved and I could change the gas.