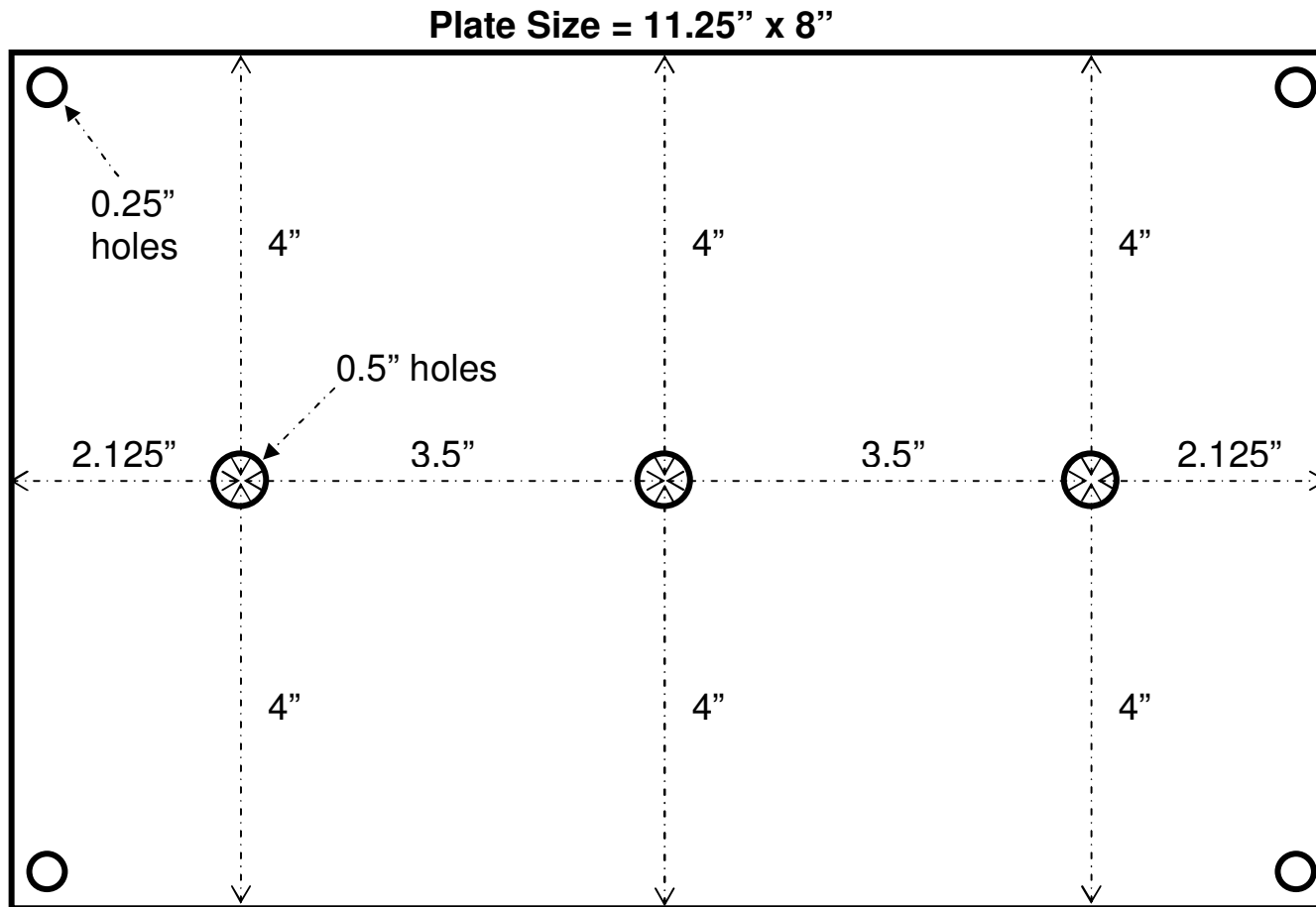


Pinewood Derby – Race Car Starter Solenoid Valve Mounting.

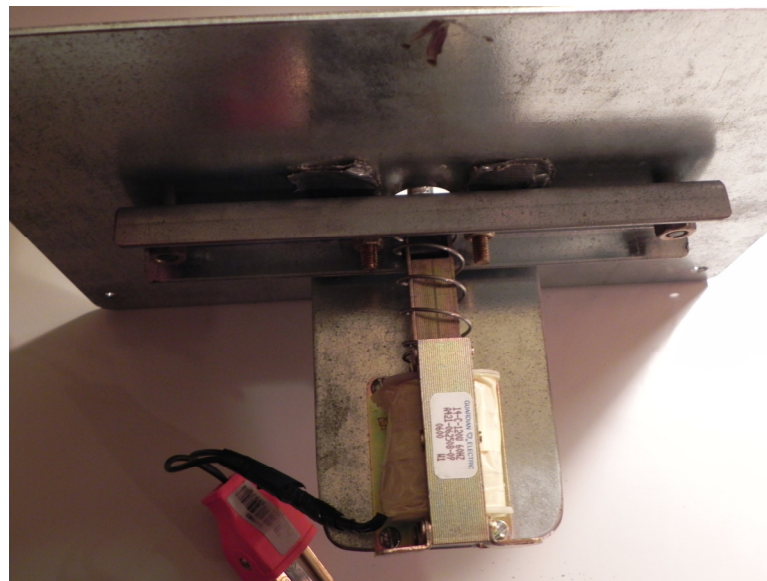
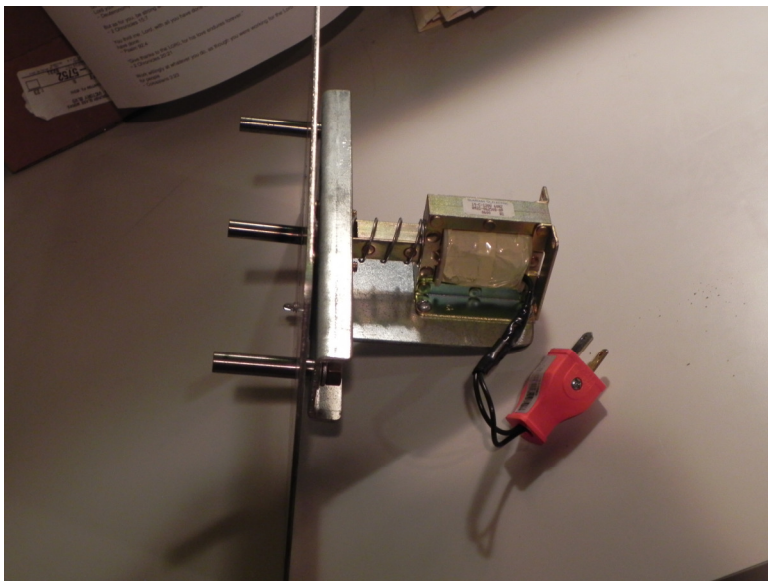
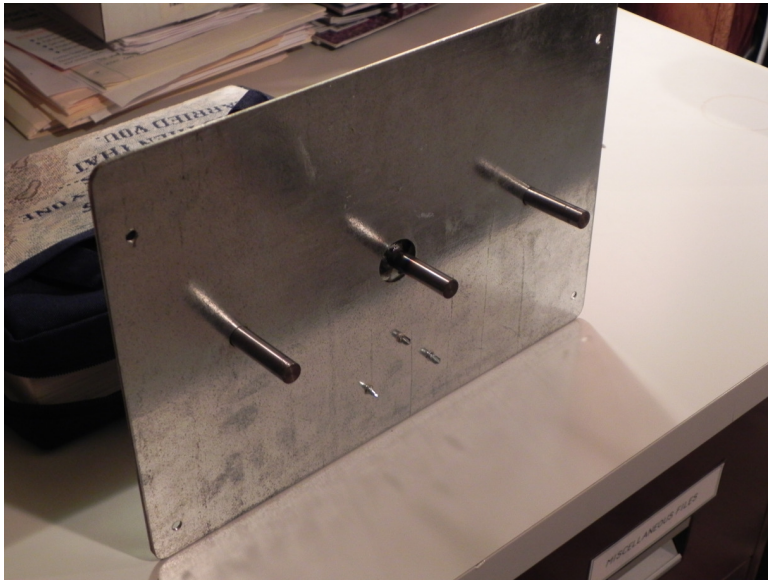
Parts to Fabricate: Main Mounting Plate, Solenoid Valve Angle Mounting Plate, Hold/Release Pins, Mounting Plate for Pins.

A. Main Mounting Plate:

1. Cutout mounting plate: 11.25" W x 8" H x 0.125" D.
2. Drill 4 ea 0.25" holes at each corner. (mount holes)
3. Drill 3 ea about 0.5" holes in the center of the plate. (holes for pins to hold/release race cars)

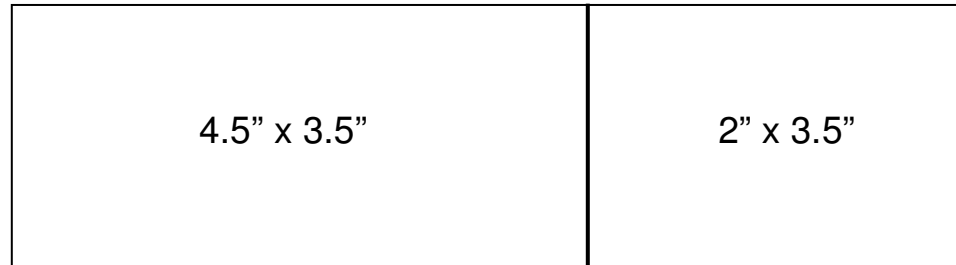


A. Main Mounting Plate:

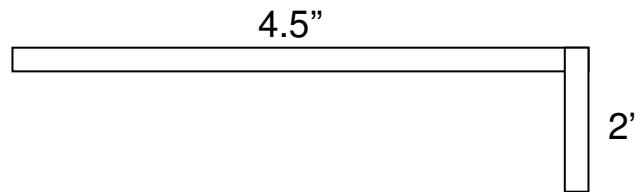


B. Solenoid Valve Angle Mounting Plate.

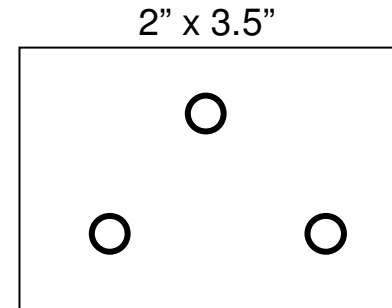
1. Cutout mounting plate: 3.5" W x 6.5" H x 0.125" D.



2. Measure 4.5" and bend into a right angle.

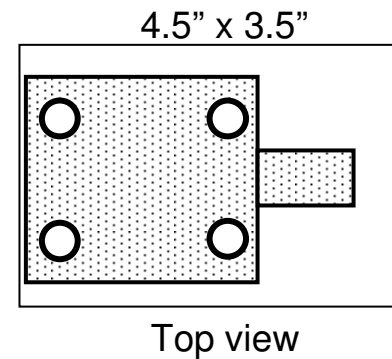
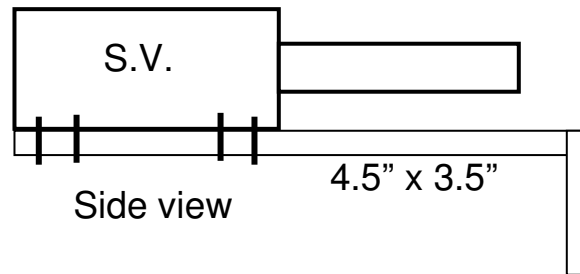


3. Drill 3 ea holes in 2" plate to be used to mount assembly to main mounting plate.



4. Drill 4 ea holes in 4.5" plate to be used to mount solenoid valve.

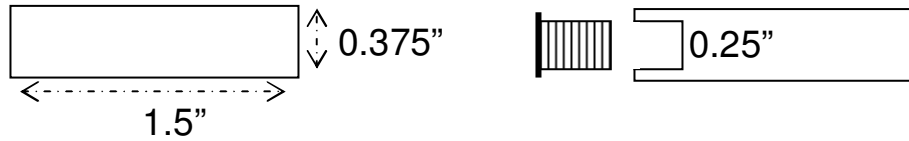
Solenoid Valve Info:
Guardian Electric
14-C-120V 60HZ
A421-062508-09



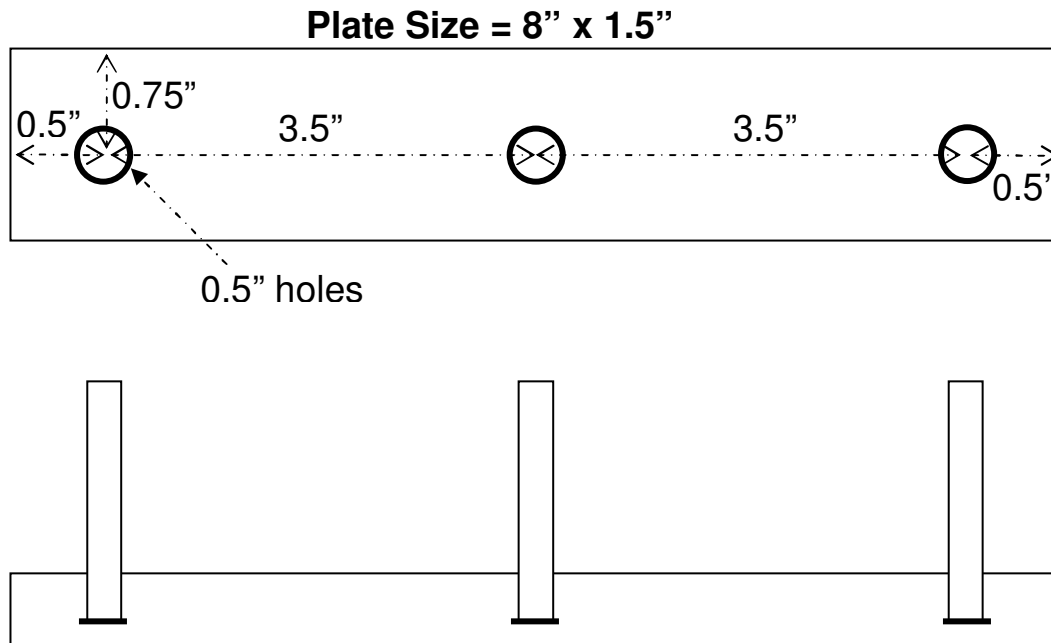
B. Solenoid Valve Angle Mounting Plate.

Race Starter Pins:

1. Cut 3 ea pins that measure 0.375" in diameter and 1.5" long.



2. Cut a pin mounting plate channel: 8" x 1.5" W.
3. Drill 3 ea about 0.5" pin holes.
4. Drill and tap one end of pin and use 0.25" bolt, nut and lock washer to secure each pin to mounting plate.



B. Solenoid Valve Angle Mounting Plate.

