

INSTRUCTION MANUAL

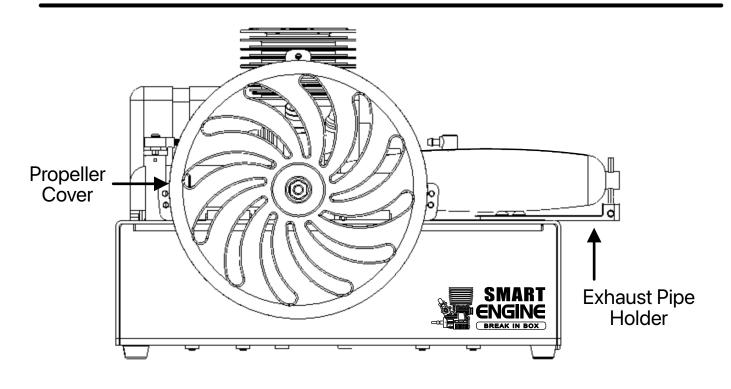
Menu

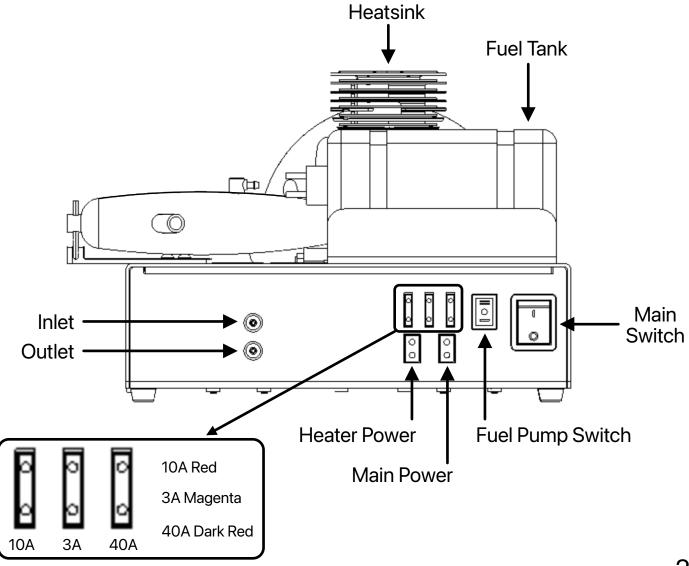
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Item List

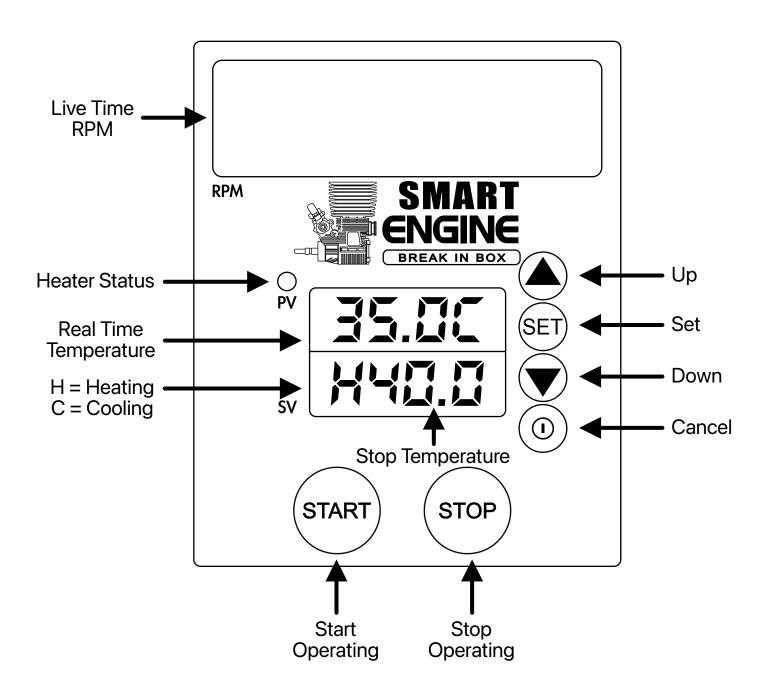
SMART Engine Break In Box	X1
Heatsink	X 1
Propeller	X1
Propeller Safety Cover	X1
Fuel Tank	X 1
Fuel Tank Holder	X 1
Exhaust Pipe Holder	X 1
Flywheel	X 1
Fuel Line with stopper	X 1
Anti Vibration Leg	X 4
Power Cord	X 1
Fuses 40A	X 1
Fuses 10A	X 1
Fuses 3A	X 1

Product Guide

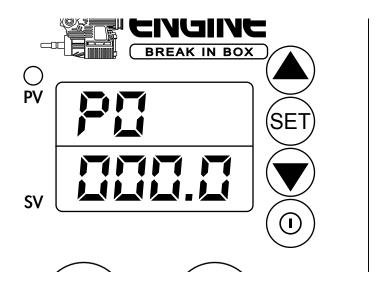




Control Panel Description



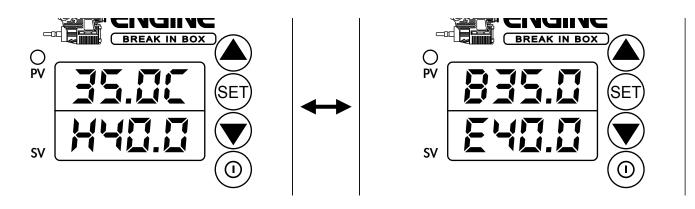
Parameter Description



Hold the SET button for 2 seconds to enter parameter page

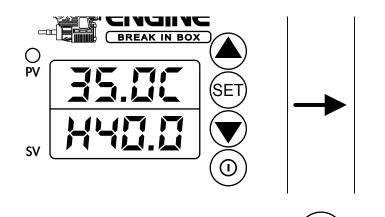
PO	Heater On Temperature
P1	Heater Off Temperature
P2	Upper Temperature Limit
P3	Lower Temperature Limit
P4	Temp-Correction
P5	Delayed Start
P6	High Temperature Warning
P7	Low Temperature Warning
P8	Temperature Unit C/F
P9	Data Lock

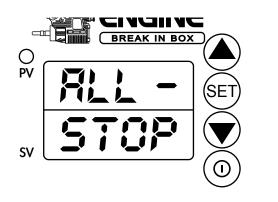
Control Panel Page Guide

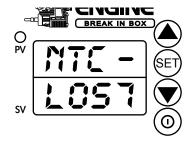




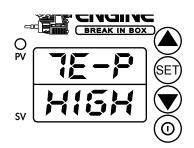
B = Start Temperature E = Stop Temperature



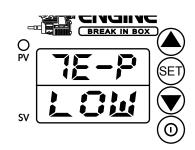






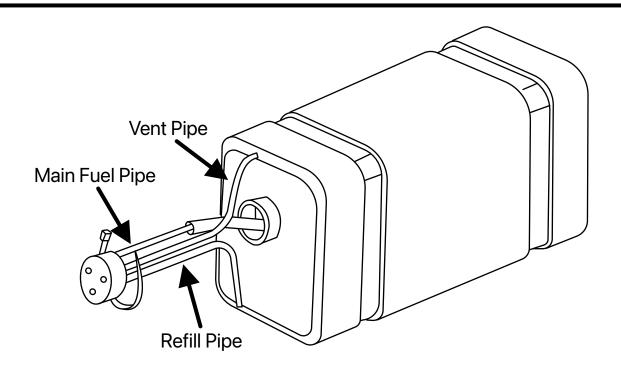


High temperature alarm



Low temperature alarm

1. Fuel Tank Installation

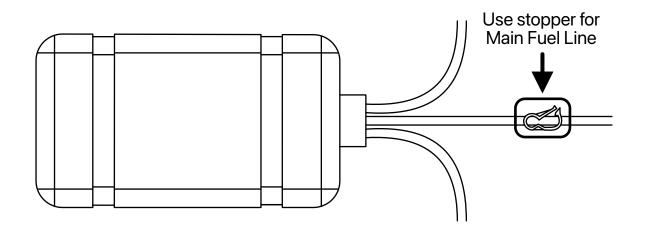


- Assemble the pipes in the correct direction as the above diagram
- Use the provided cable tie to tighten up the rubber cover

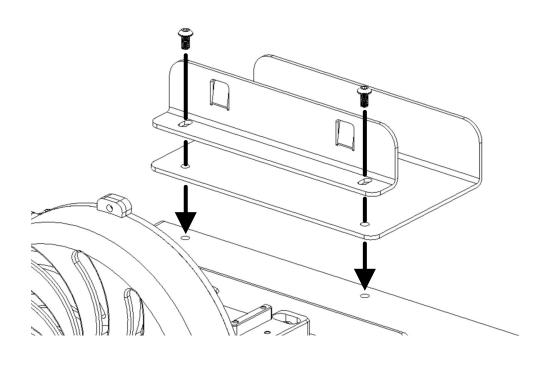
Main Fuel Pipe - Connect to enigne carburetor

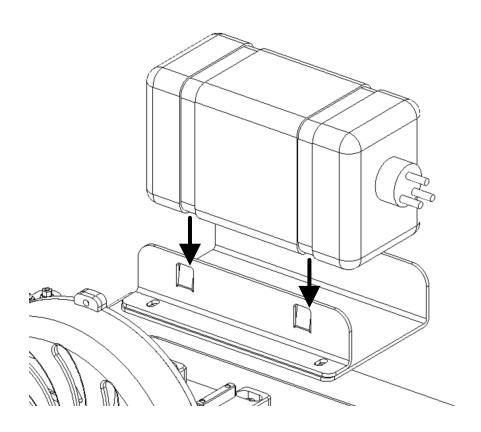
Vent Pipe - Connect to exhaust pipe

Refill Pipe - Connect to Outlet

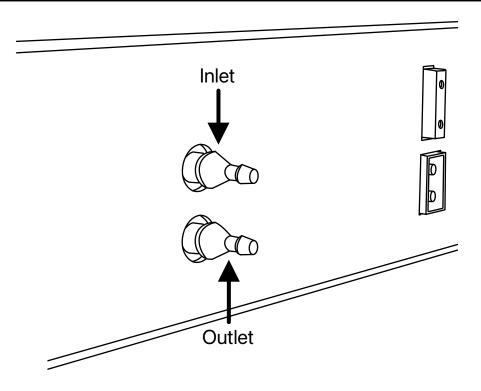


1. Fuel Tank Installation



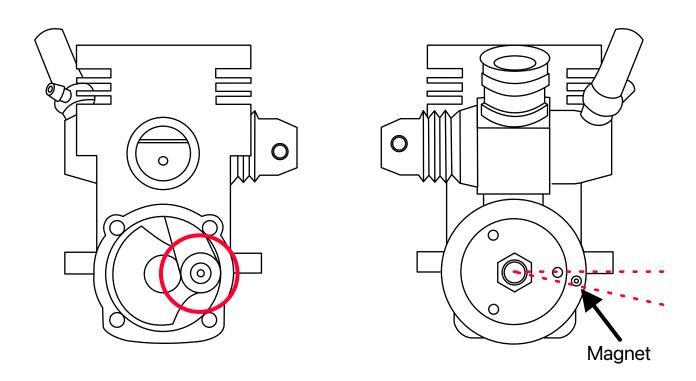


1. Fuel Tank Installation



- The Outlet should connect to Refill Pipe on the fuel tank
- The Inlet is for external fuel line to the Fuel Bottle
- Use the Fuel Pump Switch to Refill/Drain the fuel

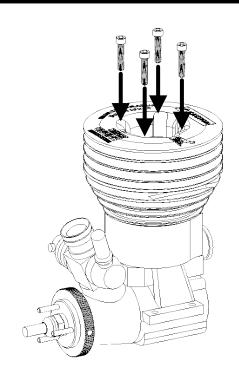
2. Flywheel Installation



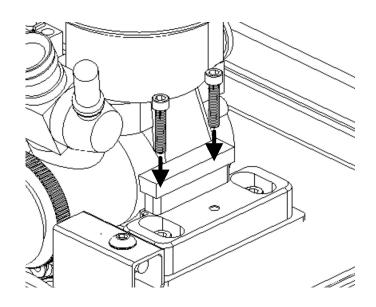
- Turn the piston to top position as the above diagram
- Attach the flywheel in to the crankshaft and make sure the magnet is located at the horizontal right position

Important: Please ensure the flywheel magnet position is correct after tighten up the flywheel

3. Engine Installation

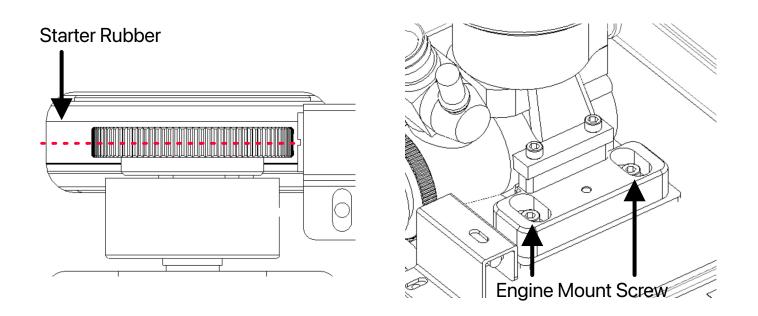


- Install the heatsink which come with the system
- Connect to Heater and Temperature Sensor connector on the left side

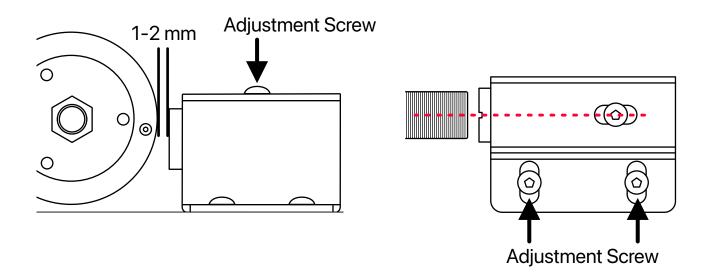


- Screw the engine on the engine mount

3. Engine Installation

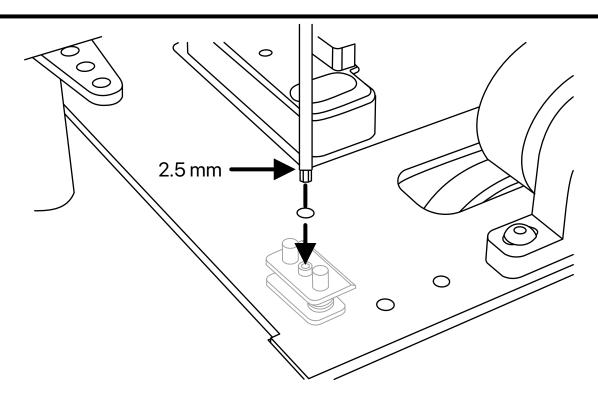


- Please ensure the Flywheel is horizontal with the Starter Rubber, the engine mount can be adjust with the 4 x Screws



- Please make sure there is a 1-2mm gap and horizontal with the flywheel and RPM sensors
- After adjust the RPM Sensors, ensure the RPM sensors is working by rotate the flywheel manually

4. Starter Rubber Height Adjustment

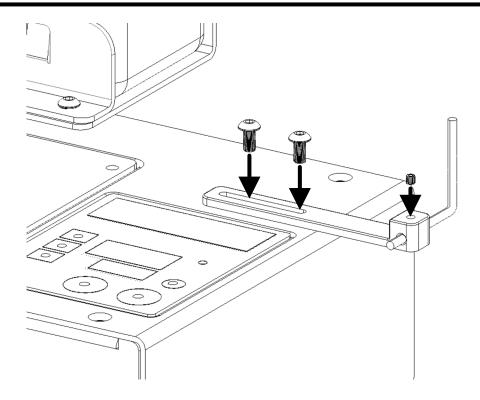


- Press STOP button while the system not operating, the starter will rise up automatically
- Check the flywheel and starter rubber gap by rotate the flywheel manually
- Use a 2.5mm screw driver to adjust the height of Starter Rubber

Anticlockwise = Increase the starter rubber height Clockwise = Decrease the starter rubber height

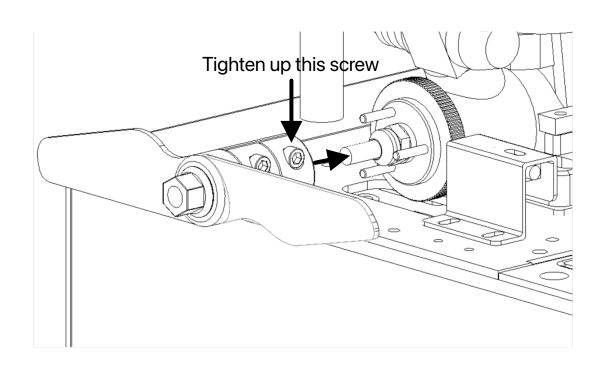
Important: Please adjust this before first time operate the system or after switched to a different engine

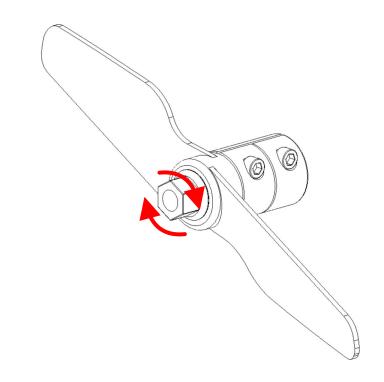
5. Exhaust Pipe Holder Installation



- Mount the Exhaust Pipe Holder on the system
- You may only tighten up the mount after attach exhaust pipe

6. Propeller Adapter Installation

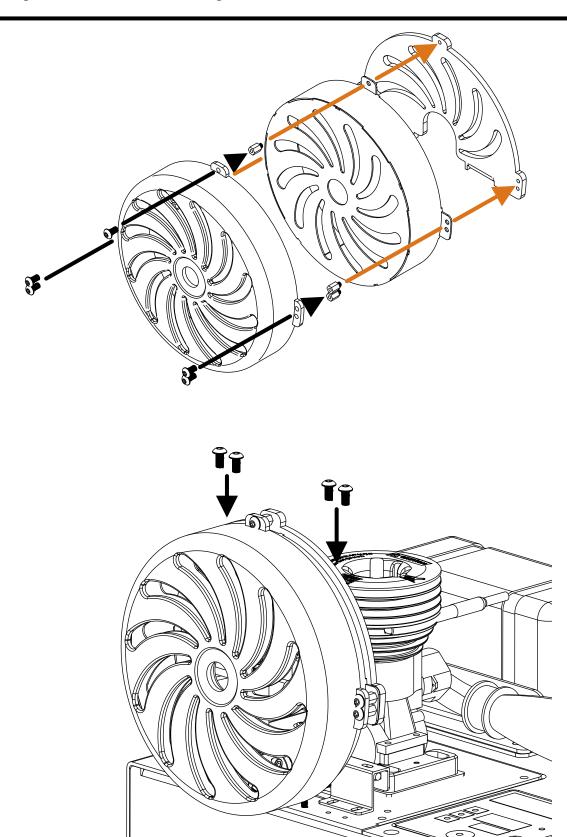




Please ensure the propeller nut is fully tighten before operate

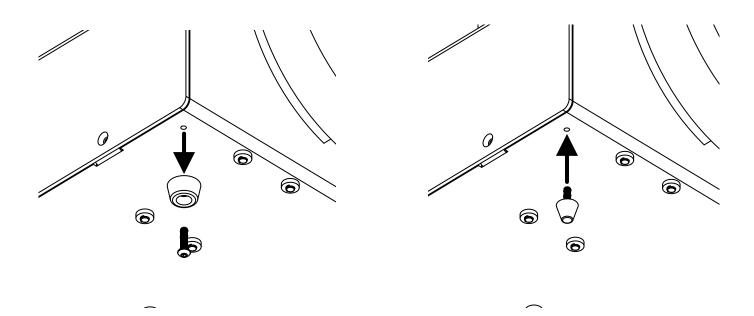
Important: The shaft may broke if not fully tighten

7. Propeller Safety Cover Installation



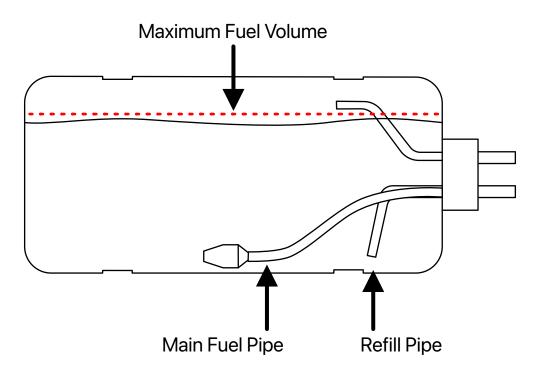
- Attach the Propeller Safety Cover on the system

8. Anti Vibration Leg Installation



- Remove the included leg on the bottom, replace it with the Anti-Vibration leg.

9. How to Refill / Drain Fuel Tank



Refill Fuel Tank

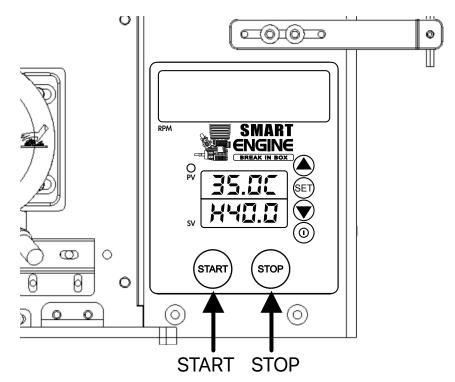
- Lock the Main Fuel Line Stopper
- Switch the Fuel Pump Switch to In
- The fuel pump will start to pump the fuel into fuel tank

Drain Fuel Tank

- Connect the Main Fuel Line to Outlet
- Unlock the Main Fuel Line Stopper
- Switch the Fuel Pump Switch to Out
- The fuel pump will start to drain the fuel tank

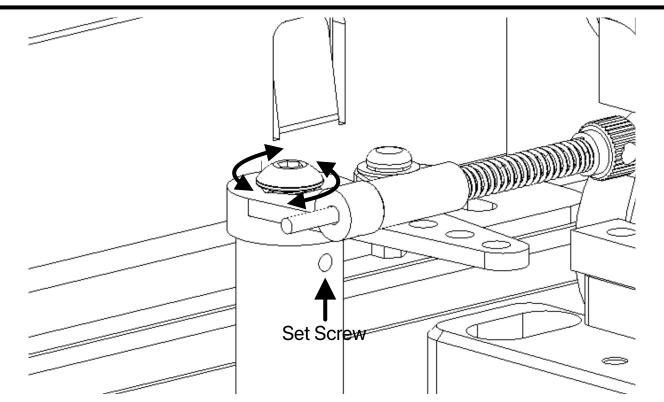
Important: Please refill / drain the tank when engine stop operating

10. Start Operating



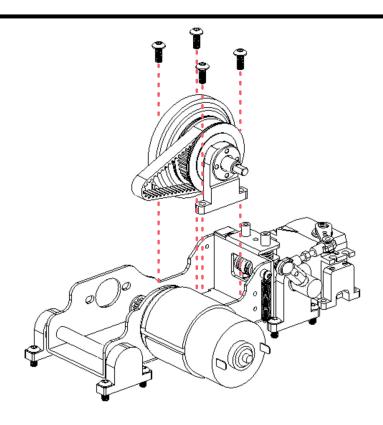
- Using the START button to start your engine
- Using the STOP button to stop the system operating

Throttle Horn Adjustment

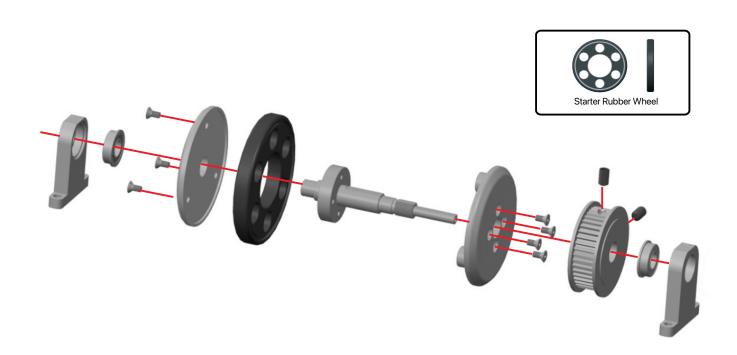


- Please unscrew the Set Screw before adjusting the throttle tension
- Tighten up the set screw after finished the throttle tension adjustment

Changing Starter Rubber



- Remove the Starter Block



- Assemble or Dissemble the starter block as the diagram





Design and Manufacturer by SMART-Workshop www.smart-workshop.net VER: 1.3