

# 1. SPECIFICATIONS

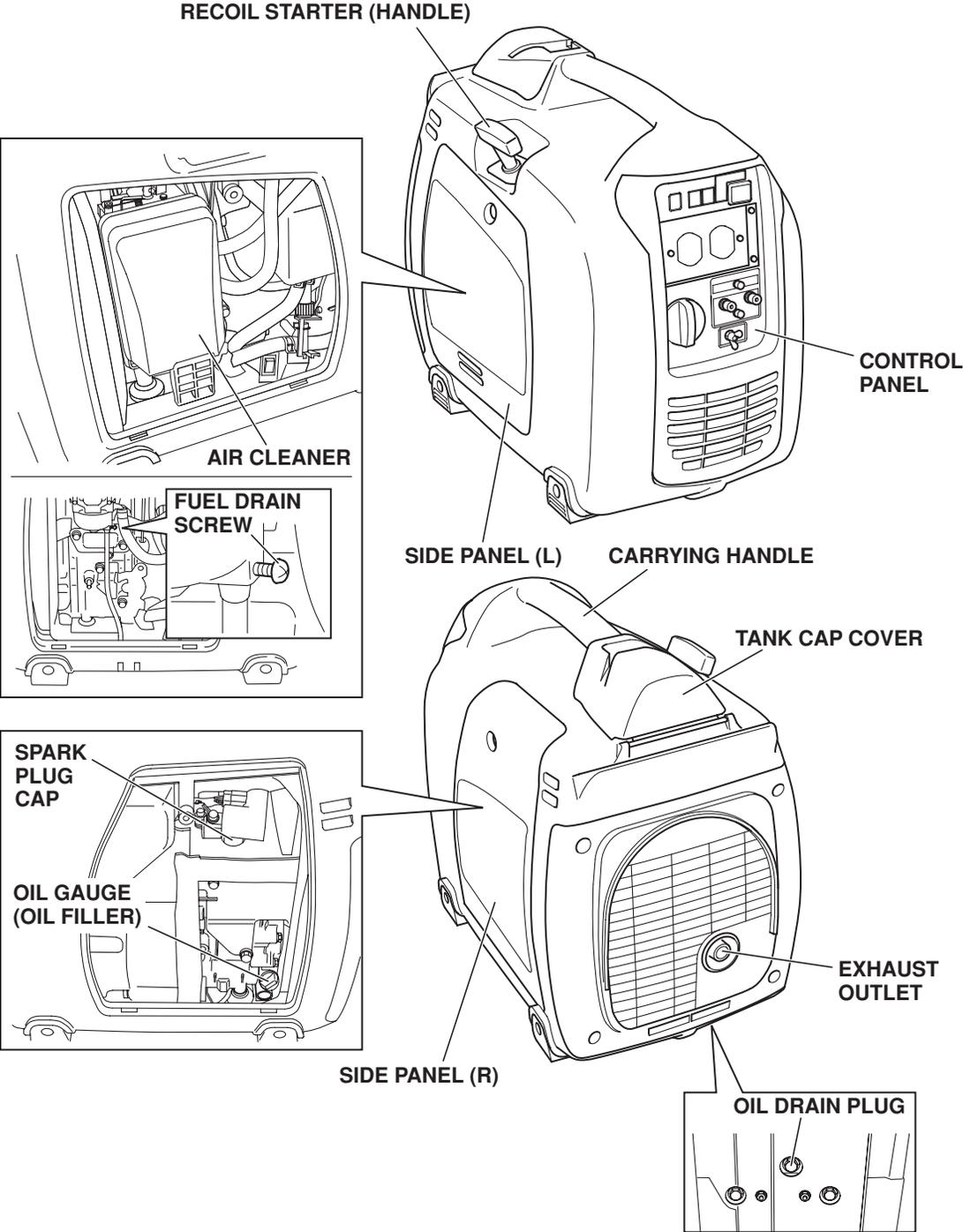
MODEL		R1700i			
Alternator	Type	Inverter			
	Frequency	Hz	50	50	60
	Alternating electric current (AC)				
	Maximum output	kVA	1.65		
	Rated output	kVA	1.35		
	Rated voltage	V	230	240	120
	Rated amperage	A	13.5		
	Rated power factor		1.0		
	Direct Current (DC)				
	Output	W	100		
Voltage	V	12			
Power Current	A	8.3			
Engine	Model	EH09-2D			
	Type	Forced air-cooled, 4-cycle, OHV Gasoline Engine			
	Displacement	mL(cc)	85.8		
	Fuel	Automotive Unleaded Gasoline			
	Fuel tank capacity	L	3.5		
	Rated continuous operation [Approx.] (at Rated output)	hours	3.5		
	Oil pan capacity	L	0.36		
	Ignition System	Digital ignition			
	Spark plug	NGK BMR4A - NO SUBSTITUTIONS-WILL EFFECT PERFORMANCE			
	Starting system	Recoil starter			
Equipment	Alternating electric current output	Receptacle (15A x 2)	Receptacle (15A x 2)	GFCI Receptacle (20A x 2)	
	Direct Current Output	Terminal			
	Over current protector				
	Alternating electric current (AC) output	Electronics Breaker			
	Direct Current (DC) output	Circuit Breaker			
	Oil Sensor	Yes			
	Frequency Switch	Yes			
	Auto Power Save Switch	Yes			
	Output Lamp	Yes			
	Overload Lamp	Yes			
Oil Warning Lamp	Yes				
Dimension					
Length x Width x High	mm	490 x 295 x 445			
Dry weight	kg	20.5			

Specifications are subject to change without notice.

# 2. GENERAL DESCRIPTION

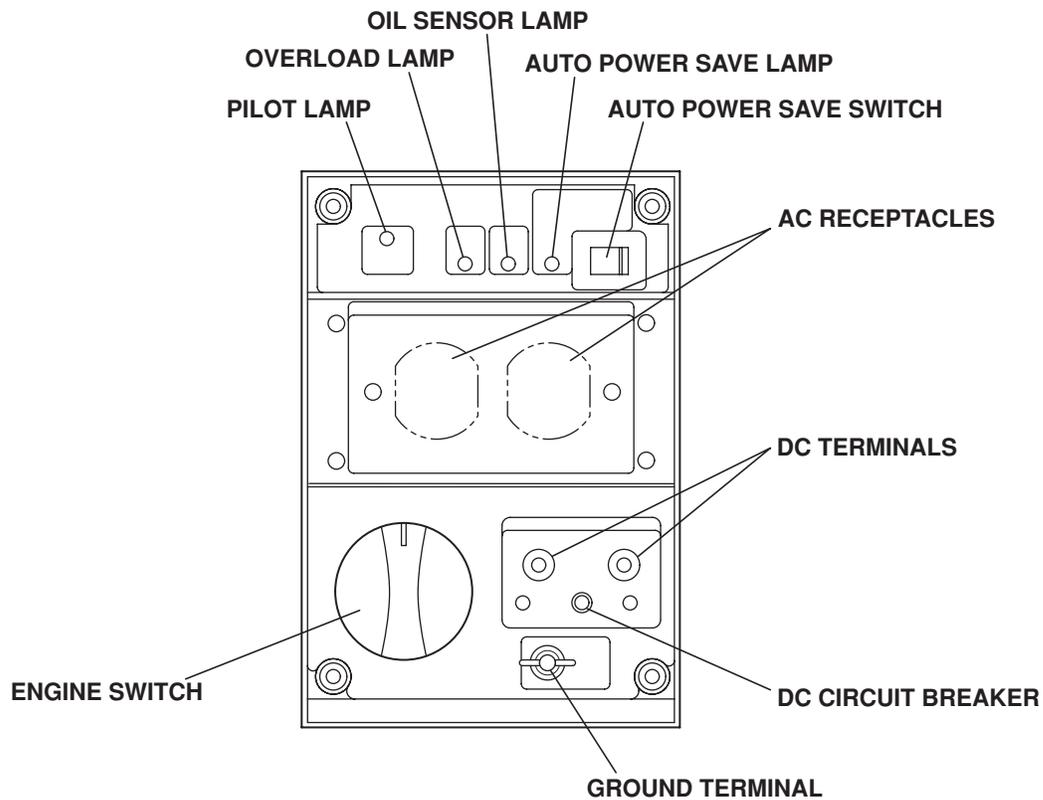
## 2-1) EXTERNAL VIEW

R1700i



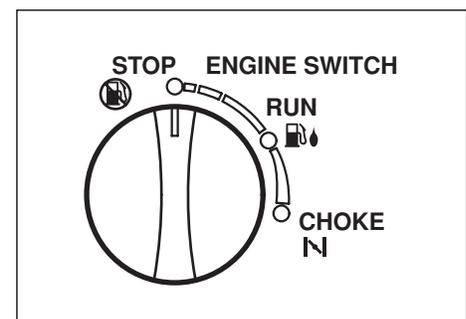
## 2-2) CONTROL PANEL

### R1700i



#### (1) ENGINE SWITCH

The engine switch is designed for easy operation with the interlocking mechanism between the fuel cock and the choke furnished.



 <b>(CHOKE)</b>	To start the engine, turn the knob to the position. (Choke valve is closed.)
 <b>"   " (RUN)</b>	Keep the knob in this position after the engine starts. (The engine can be started with the knob at this position when the engine is warm.)
 <b>" O " (STOP)</b>	To stop the engine, return the knob to the position. (The fuel cock is closed as well.)

## (2) PILOT LAMP and OVERLOAD LAMP

### ① Output lamp

Green light . . . . . Indicates that the generator is generating.

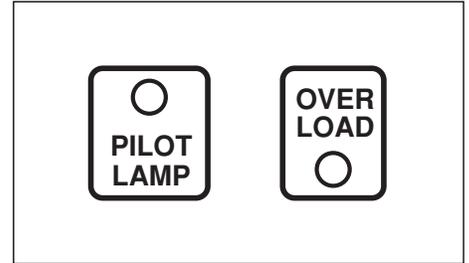
Unlit . . . . . The generator is not generating.

### ② Overload Lamp

Red light . . . . . Indicates when an overload occurs, or output is abnormal, generating will stop when the red lamp is displayed.

(The electronics breaker is activated)

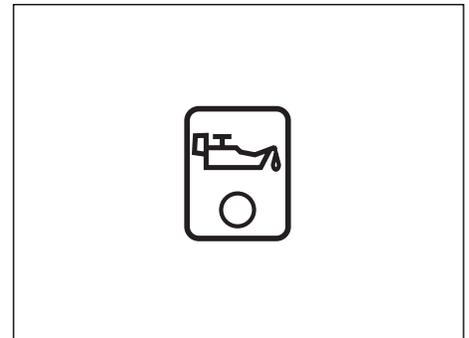
*NOTE : When the overload lamp is lit, please consult the Troubleshooting section and disconnect any electrical devices.  
To reset, turn the engine off and restart it.*



## (3) OIL SENSOR LAMP

When the level of the engine oil falls below the prescribed value, the alarm lamp lights up and the engine stops automatically.

When the engine stops due to oil shortage, it can not be started anymore even by pulling the start knob (just the alarm lamp flickers). In such a case, replenish engine oil up to the mouth of the oil filling port.



## (4) AUTO POWER SAVE SWITCH

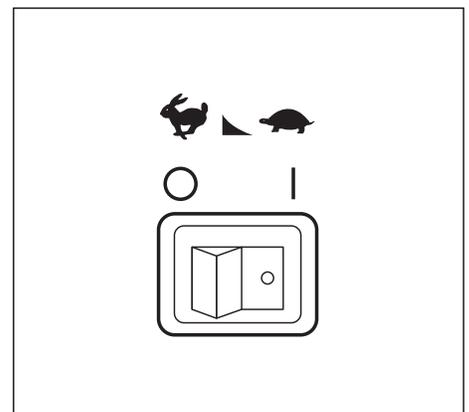
● When the switch is in the " | " ( 🐢 ) position, the engine speed will be automatically decreased when an electrical device is not in use.

Also, when the switch from the electrical device is on, the electrical load is automatically detected, and the engine speed will be adjusted according to this load.

● When a large electrical wattage is in use, set the switch to "○" ( 🐇 ) to lower the voltage fluctuation.

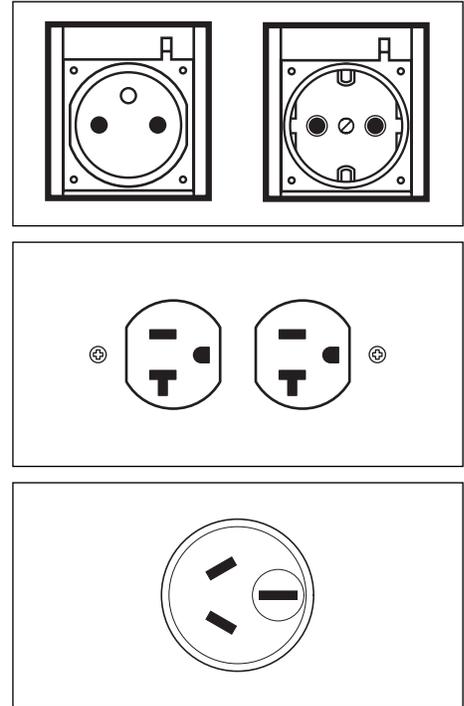
● When using a direct current (DC) output to charge a battery, turn the switch to "○" ( 🐇 ).

● When starting the engine with the switch in the " | " ( 🐢 ) position in the cold weather condition, engine speed will not be at a low speed for the first several minutes during warm up.



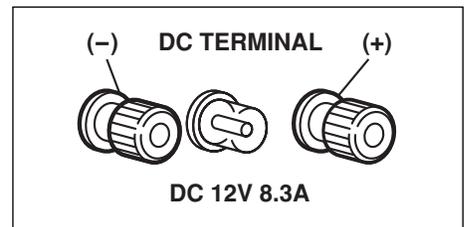
### (5) AC RECEPTACLES

AC electric power is available through this receptacle.  
Use a ground type, three-leg plug.



### (6) DC TERMINALS

DC electric power for battery charge is available.  
- Red is positive (+) terminal.  
- Black is negative (-) terminal.



### (7) DC CIRCUIT BREAKER

DC circuit breakers shut off electric current when the current exceeds its limit.  
Check for excessive current consumption. After making sure everything is in order, push the button to the " ON " position.  
Fully discharged battery of large capacity may cause over-current in DC output circuit.

