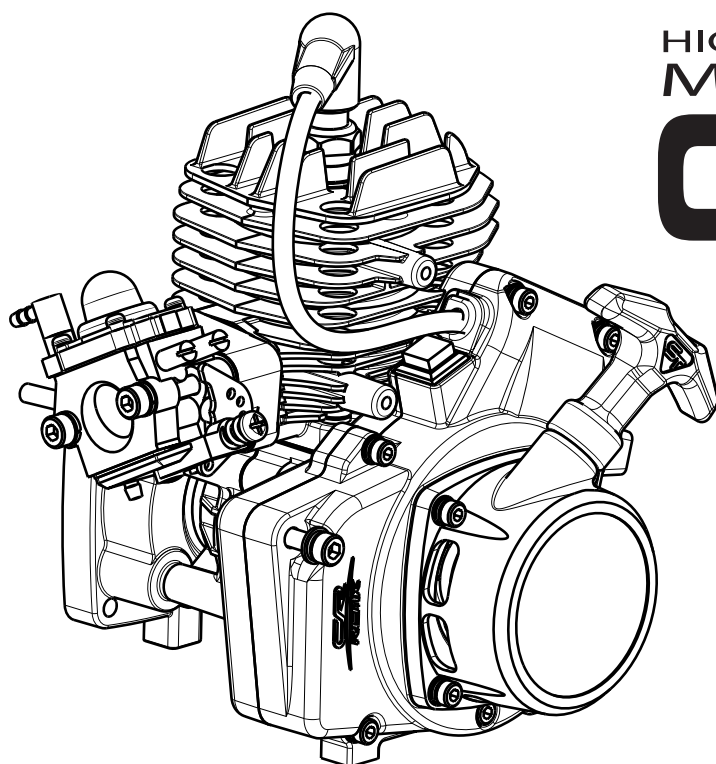




HIGH PERFORMANCE Model Gas Engine **CR300B**

Engine Features

- 4 bearings crank case
- 6001 standard bearing for crankshaft
- Stronger crankshaft and connecting rod
- Walbro WT-1052 carburetor
- Natural air-cooling system
- Hand pull start system

WARNING



- Before use engine, read description necessarily.
- This engine is designed and made for use on radio controlled car. So we recommend to use on model boat
- Use genuine parts for replacement.
- Check the bolts fixation condition of engine every time. If the bolts are loosed, fix the loosed bolt, and after check once again.

Specifications

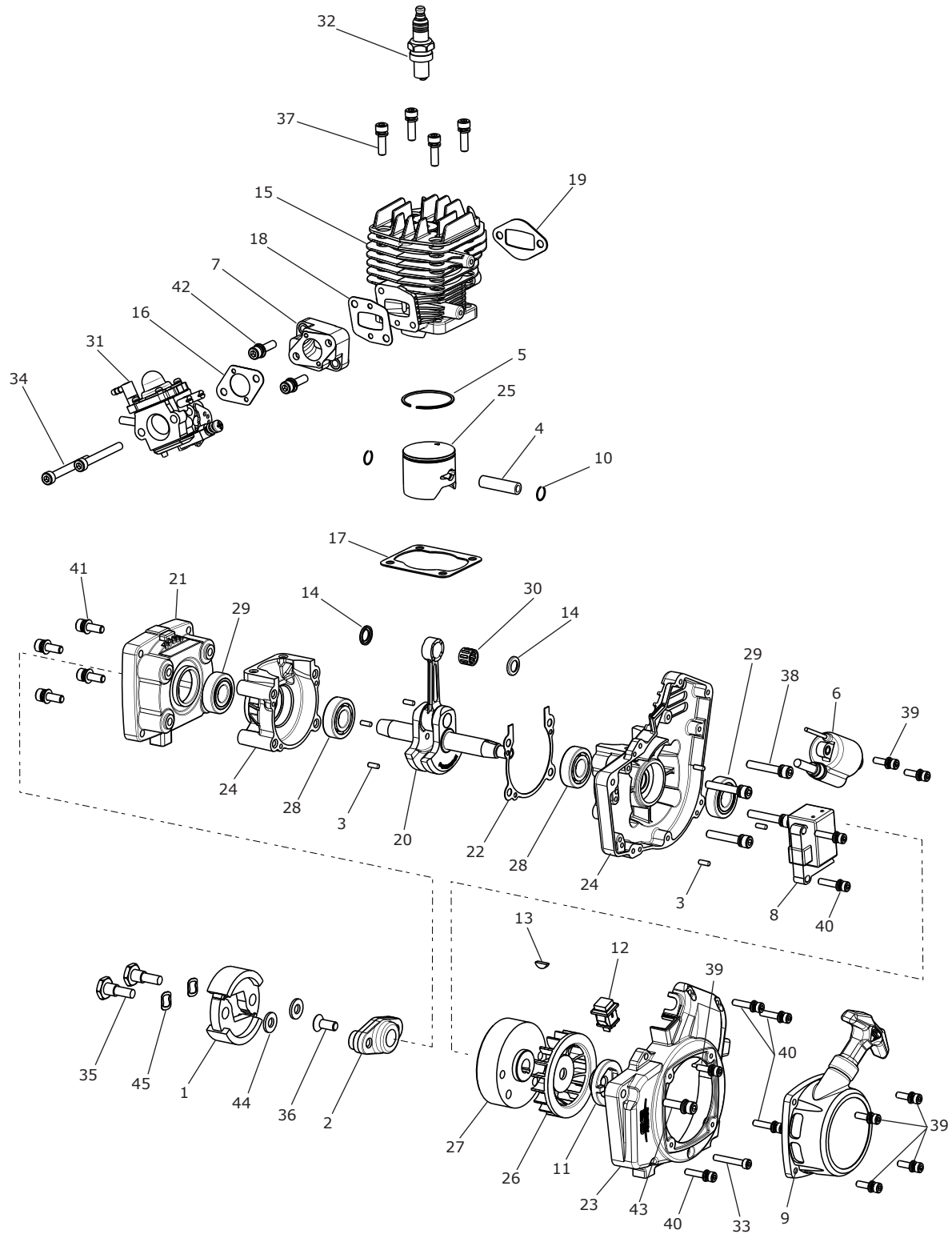


Type	Two stroke gasoline engine
Cooling System	Natural Air Cooled
The direction of the exhaust	Side exhaust
Displacement	29.5 cc
Bore	36.0 mm
Stroke	29.0 mm
Dry weight	1.90 Kg
Overall Dimension	157 mm x 74 mm x 93 mm

Rotation Direction	CCR (CounterClockwise Rotation)
Fuel	Pre-mixen Fuel, 25(gasoline) : 1 (oil)
Lubrication Oil	High grade two cycle engine oil
Carburater	WT-1052
Ignition	non-contact electronic ignition
Spark Plug	CMR7H
Starting	Recoil starter

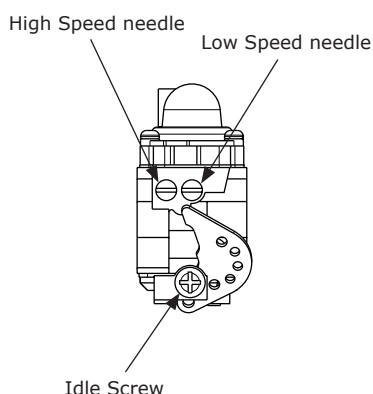
Parts list

Model Gas Engine **CR300B**
www.rcmk.com



Key	Part Number	Description	Q'TY	Key	Part Number	Description	Q'TY
1	RE0C9-2E	Clutch shoe set (for air cooling)	1	24	RE1F5-01	CR300B Crankcase	1
2	RE0C9-28	Clutch Shoe Holder (18mm)	1	25	RE1F7-05	CR300B Piston	1
3	RE0C9-02	Pin 3P x 8	6	26	RE1F7-06	CR300B Rotor Fan	1
4	RE0C9-25	Piston pin for K30S	1	27	RE1F7-02	CR300B Rotor	1
5	RE0C9-21	Piston Ring 36mm	1	28	RO065-01	Bearing 6001C3	2
6	RE0C9-0B	R254 Ignition Coil	1	29	RO065-03	Bearing 6001JRLLU	2
7	RE0C9-0E	R254 Insulator block	1	30	RO067-01	Needle Roller Bearing KT 8 11 10	1
8	RE0C9-11	R2154 Source Coil	1	31	RO071-04	Carburator WT-1052	1
9	RE0C9-12	Recoil Starter	1	32	RO073-03	Spark Plug - CMR7H	1
10	RE0C9-2F	Snap-ring - G type	2	33		Bolt M4 x 25	1
11	RE0C9-1A	Starter Pulley Nut2	1	34		Bolt M5 x 45	2
12	RE0C9-2B	Switch for CR300B	1	35		Special Bolt M6 x 13	2
13	RE0C9-1C	Woodruff Key	1	36		Bolt M6 x 15	1
14	RE0C9-1D	Wrist Pin Bearing Spacer	2	37		SEMS Bolt 1, M5 x 17	4
15	RE0CB-0B	CR Cylinder	1	38		SEMS Bolt 1, M5 x 30	4
16	RE0CD-01	Gasket for Carburator	1	39		SEMS Bolt 2, M4 x 15	7
17	RE0CD-0D	Gasket for Cylinder (K30,CR)(0.5)	1	40		SEMS Bolt 2, M4 x 20	6
18	RE0CD-06	Gasket for Insulator	1	41		SEMS Bolt 2, M5 x 15	4
19	RE0CD-10	Gasket for Muffler (CR)	1	42		SEMS Bolt 2, M5 x 20	2
20	RE0CF-03	Crank assembly (Long stroke)(+1mm)	1	43		SEMS Bolt 2, M5 x 25	1
21	RE1F5-05	Clutch Case	1	44		Washer P6 x 1.6	2
22	RE1F5-06	CR290F Gasket for Crankcase	1	45		Wavewasher BWV624	2
23	RE1F7-04	CR300B Crankcase Cover	1				

Carburator Setting



High Speed Needle	1 3/4 ± 1/4
Low Speed Needle	1 1/4 ± 1/8

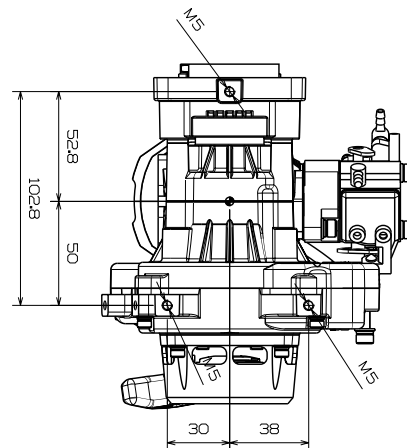
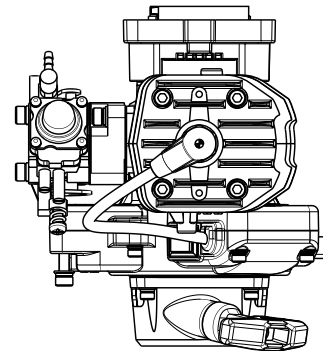
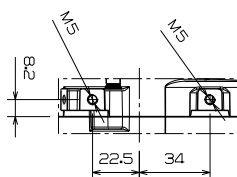
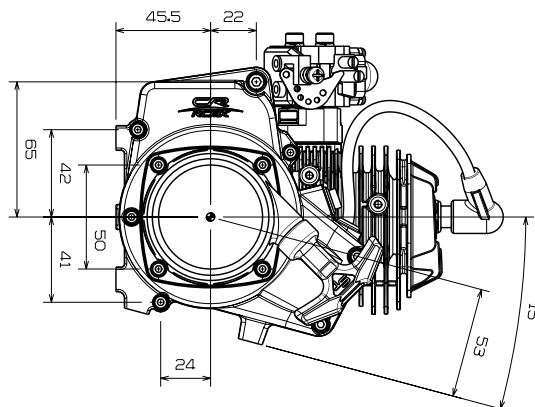
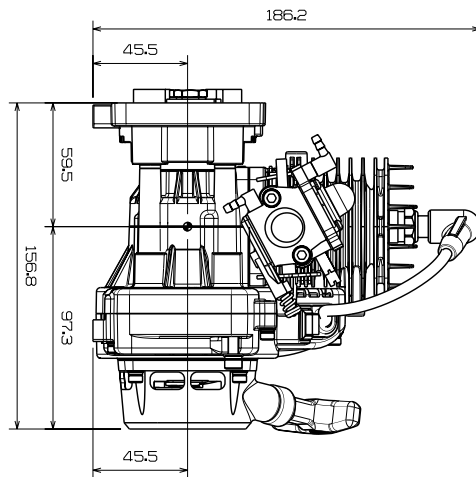
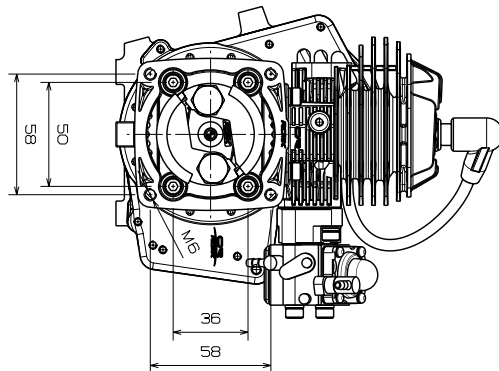
When the needle valve clockwise rotation will increase the RPM.
 And if you rotate counter-clockwise to decrease RPM.

1. Do not tighten the High and Low Speed needles too firmly.
2. When the unit has just started and the engine is not warm enough, there may be insufficient acceleration and the engine may be stopped. Be sure to perform idling before operation.

Outside view



CR300B Engine



Update - 2012/06/05