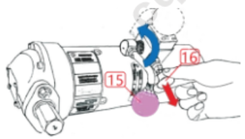
6、Energizing and starting

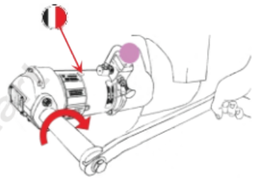
Power system and engine pretreatment： Gear box is in the neutral position Fuel supply system has no any restriction.

Ⅰ. Pull reset knob 16, the trip lever 15 will immediately spring to "RESET" position;

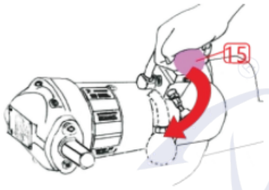


Ⅱ. Put the winding handle 14 on the input adaptor 2, crank the winding handle 14 slowly until 1-2 red springs can be viewed from the view window 19;

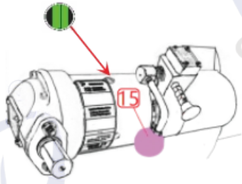
Stop winding once 1-2 red springs occurs at the view window 19. Over-torque will cause parts damage!



Ⅲ. Remove the winding handle 14 and then push trip lever 15 quckly toward the 'TRIP/Standby' position to start the engine;



Hold the lever trip 15 at 'TRIP/Standby' position, until use the spring starter next time!



Cqstart

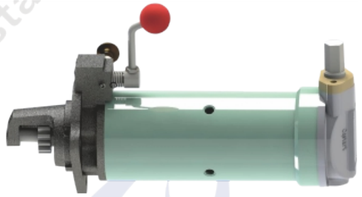
PN:230599E-03

More information,refer to:

- 《Cqstart Spring Starter Operation Manual》
- Web: www.cqstart.com



www.cqstart.com



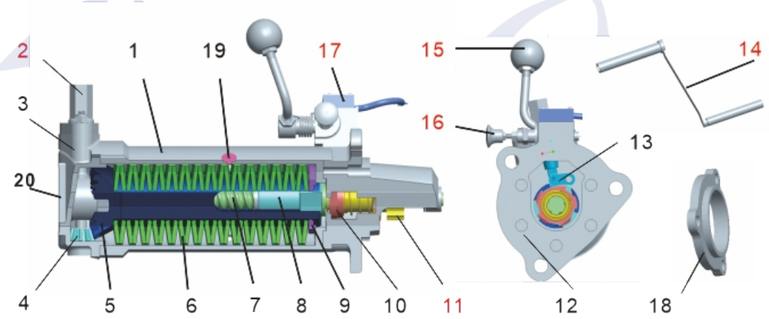
CHONGQING STARTING POWER UNIT CO., LTD

Cqstart

Must read

Cqstart spring starter 《Installation & Operation》

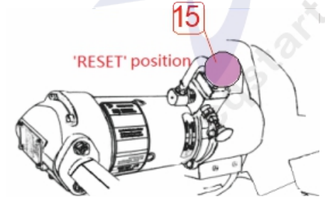
1、 starter basic structure



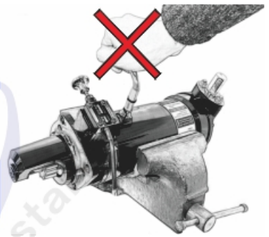
sn.	Description	sn.	Description	sn.	Description	sn.	Description
1	Body	6	Spring bundle	11	Drive pinion	16	Reset knob
2	Input adaptor	7	Main shaft	12	Rear cover	17	Micro-lock switch
3	Front cover	8	Screw sleeve	13	Lock	18	Spacer (if need)
4	Drive gear	9	Drive ring	14	Winding handle	19	View window
5	Driven gear	10	Ratchet	15	Trip lever	20	Data plate

www.cqstart.com

2、 Caution



⚠ When trip lever 15 is at ‘RESET’ position, don`t use other ways to turn engine!



⚠ Before winding handle 14 is removed out, tripping starter is not allowed!

⚠ Prohibit no-load energizing and releasing! (before proper installation don`t energizing)

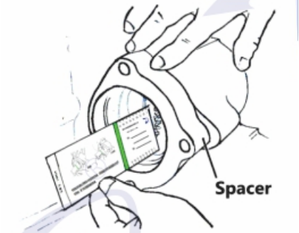
3、Pre-check

Ⅰ. Please make sure the starter model (PN) is correct;

Ⅱ. Please check the depth from starter mounting surface to the ring gear front face through starter installation hole using cardboard gauge ,the green line should be at the starter mounting surface. If there is spacer, must check with the spacer.

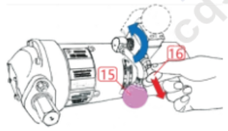


There is no interference between starter and engine!

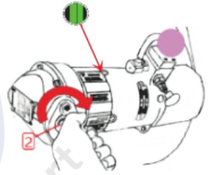


4、Slowly crank and check

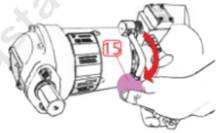
⚠ In first time installation, must use the starter to **slowly crank engine and check** gear engagement!



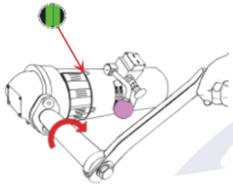
Ⅰ. Pull reset knob 16, the trip lever 15 will immediately spring to “RESET” position;



Ⅱ. Crank input adaptor 2 about two turns with hand or with winding handle14 clockwise, until feel obvious resistance (pinion 11 and ring gear is now engaged);

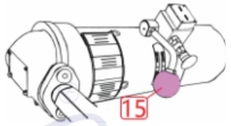


Ⅲ. Push trip lever 15 to the ‘TRIP/Standby’ position;



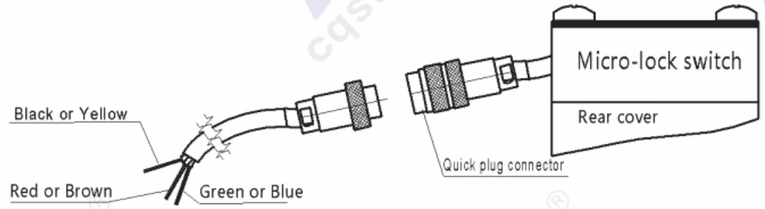
Ⅳ. Continue to slowly crank winding handle 14 clockwise to wind engine about one turn without clamping stagnation;

If starter can`t crank the engine smoothly , Pls contact us

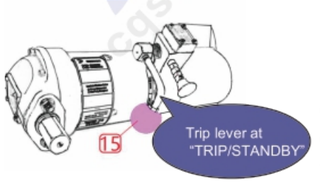


⚠ Always keep trip lever 15 at ‘TRIP/Standby’ position, so that the pinion 11 can disengage smoothly!

5.Micro-lock switch (dual starters application)

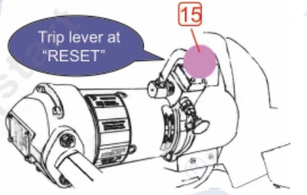


⚠ Please make sure you have correctly connected the cable with engine and verify its function.



When trip lever 15 is at “TRIP/STANDBY” position,

- **The electric motor could work**
- There is no source signal output. Red (or brown) cable is disconnected with black (or yellow) cable COM end. Green (or blue) cable is connected with black (or yellow) cable COM end.



When trip lever 15 is at “RESET” position,

- **The electric motor couldn`t work**
- There is no source signal output. Red (or brown) cable is connected with black (or yellow) cable COM end. Green (or blue) cable is disconnected with black (or yellow) cable COM end.