

Megatron

Heavy Duty Engine Starter

- 12 or 24V
- For engines up to 1.6 ci
- Includes 3 inch Cone and Silicone Insert

Instructions

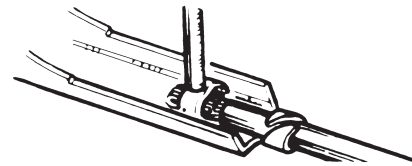
- 1) Attach the battery clips as shown below (proper attachment is important for minimized resistance) or, if you plan to use a power panel, attach Sullivan S645 Heavy Duty Banana Plugs. Note: This starter draws substantial current, and the wiring must be adequate size and condition for safe and proper operation. All wiring extensions should be 10 AWG or larger, and all connections should be soldered.
- 2) Use one or two 12V batteries (the larger the better) or use or two Sullivan Powerpac (S640). Due to the large current draw, we do not recommend gel cells or small sealed lead acid batteries. Instructions for 24V wiring are shown below. Large motorcycles batteries, automobile batteries or NiCads packs are best.
- 3) Prime engine if needed. Hold starter firmly with both hands against spinner or bare prop. Press the strip switch with fingers. Release when engine starts.

Battery Clip Attachment Instructions

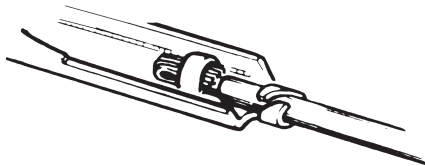
- 1) Touch the bared starter wires to the battery to determine rotation. Most normal engines run counterclockwise as viewed from the front. The starter will reverse rotation if the leads are reversed.



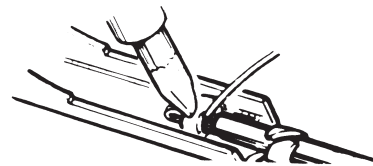
Note: Incorrectly assembled battery clips can significantly reduce starter output or overheat joints!



- 2) Remove a sleeve from each clip and slide the red sleeve onto the wire that should be attached to the + for proper direction; slide the black sleeve onto the other wire. Fold the bare wires back as shown.



- 4) Use a punch or nail to flatten the bridge onto the folded wire.



- 3) Insert the folded wires under the bridge in the battery clip. Squeeze the strain relief around the insulation.

- 5) Solder the joint together with rosin core solder, or good electrical flux and solder (do not acid flux). Slide the sleeves back over the battery clip ends.

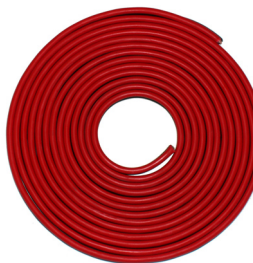
Safety

- 1) This starter will spin at high RPM. If any parts come loose or break they can cause personal injury. Always wear safety glasses when starting any engine, and always wear hand protection when in the vicinity of the engine.
 - 2) Do not allow starter to overheat, it can damage the windings. Do not operate the starter for more than 15 seconds, and allow 1 minute to cool between starts. Continuous operation can overheat and damage the motor, and will void the warranty.
 - 3) Never stand directly in the path of a propeller or flywheel, and do not use the starter if any attachment or insert is loose or out of balance.
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Accessories for your S651 Megatron Starter

Heavy Duty Starter Cord.

15 feet of stranded copper 10 gauge 24V power cord. Suitable for the Megatron and all larger starters. No. S653

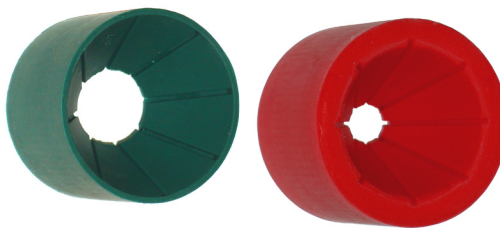


3 Inch Silicone Inserts

Soft, high grip silicone reversible rubber inserts for the Megatron Starter.

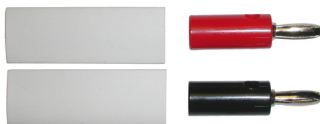
No. S636 (Red): For 1-3/4" to 3-1/2" Spinners

No. S637 (Green): For 2-1/4" to 6" Spinners



Heavy Duty Banana Plugs

Heavy Duty M/F plugs for Sullivan Starters cords. Can be soldered or attached with set screws. Fits wires to 12 gauge. Complete with heat shrink insulation. No. S645



PowerPac Battery Case

Holds 12 Sub-C NiCad batteries for as much starting power as a motorcycle battery. Fits all Sullivan starters as well as most other brands. Features glass reinforced construction and universal steel brackets. No soldering required. Charger included. No. S640

(Batteries not included)

