

Electric Start - Battery Installation

Battery Recommendations

Brand	Model	Horsepower	Minimum Size
Honda	GX200	6.5hp	18 Amp Hr
B&S / Honda	Vanguard/GX270&390	9hp / 13hp	30 Amp Hr
Yanmar	L60AE / L70AE	6hp / 7hp	24 to 36 Amp Hr
Yanmar	L100AE	10hp	36 to 45 Amp Hr



For ambient temperature of less than -5°C a larger size battery may be required.
All units are connected with negative battery terminal (⊖) to earth (⊥).
Earth is usually an engine mounting bolt or frame bolt.



Batteries produce explosive gases. Keep sparks, flames and cigarettes away.
Always shield your eyes when working near batteries.



DO NOT connect the battery in reverse polarity, as this will short circuit the battery charging system. This may cause damage to your engine, or trip circuit breakers/blow fuses according to engine type etc.

BATTERY CABLES should be of ample size to accommodate the starting current of the engine and discharge rates of the battery. Both cables should be of the same cross-section size.

BATTERY CABLES should be of sufficient length to ensure engine vibrations are not transferred to the battery terminals.

Installation

1. **Honda and B&S Vanguard:** These engines come with a starter switch installed.
Yanmar: The switch is not connected, but only requires to be plugged into the 4 pin coupler located below the starter on the engine.
The eye connector should be connected to earth (⊥). The bullet end connector is a special purpose connector, and should not be attached to any terminal.
The key switch should be mounted on a firm point, free from engine vibration.
2. Place the battery in a holder with a flat base. Ensure the battery cannot tip or fall over.



DO NOT CONNECT LEADS TO BATTERY UNTIL STEP 5

3. Connect the positive lead to the positive terminal on the starter solenoid.
4. Connect the negative lead to an engine mounting bolt, frame bolt or other good engine ground connection.
5. When connecting the leads to the battery, connect the positive lead to the positive post FIRST.
Tighten the connector firmly. Grease smeared over the battery terminals will help prevent corrosion.
6. Connect the negative lead to the negative battery post.

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