

**V-Twin Mfg.**  
**Hitachi Electric Start Conversion Kit**  
**Fits 1967-1978 XLH, 1970-1978 XLCH**  
**VT No. 32-0003 (Black) VT No. 32-0011 (Chrome)**

This is a custom application and rider safety depends on proper installation. This product should only be installed by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper installation.

**Note:** Can also be used 1967-70 models but engine cases must be electric start type as kits can be used for replacement only for these years.

**Instructions:**

1. Route wire between starter relay mounting and starter stud. Secure with nuts.
2. Assemble feed wire from starter button to small terminal on starter relay.
3. Position solenoid boot over ends of wires. Assemble both wires to starter solenoid terminals.
4. Route wire from short solenoid terminal to starter terminal.
5. Route wire from long solenoid terminal to battery positive terminal. Do not connect.
6. Route wire between starter relay and battery positive terminal location.
7. Route wire between starter relay and starter solenoid small terminal.
8. Solder the jumper wire to the terminal on the "Run-off" switch. With the wire attached, solder the other end of the jumper wire to the start switch.
9. Remove the tape from the loose wire in the handlebar housing and solder it to the other terminal of the start switch. If there is no wire see service manual.
10. Install battery in carrier with positive terminal toward front of motorcycle.
11. Remove screw from battery positive terminal and discard. Use longer screw included in kit to connect 4 wires to battery negative terminal and motorcycle around bracket welded to the frame using bolt and lock washer.
12. Assemble battery cover to battery using scrap.
13. Reassemble seat to motorcycle.

**ELECTRIC START CONVERSION KIT WIRING DIAGRAM**

