INSTALLATION INSTRUCTION

This kit is specially designed for Mopeds and contains four directional blinkers, rechargeable battery, control switch, wires and universal mounting brackets. The Nickel Cadmium battery assembled in the battery case is rechargeable and easily charged to contact with moped's magneto.

As shown in Fig. 1, Fig. 2 attach the front lamp assembly on the handlebar of moped with the universal mounting brackets. Fasten securely with bolt and nut for permanent fit.

Attach turn signal switch to left handlebar as close to grip as possible.

SPECIFICATIONS

- Battery Capacity: 6V – 8W
- Discharging Capacity: 1.2 Ah
- Charging Current: Max. 1.2A
- Blub: 6V – 8W (BAY 15s)
- Flasher unit: 6V – 8W
- Fuse: 5A
- Lens: Plastic, 2-11/16'' diam., Amber

WIRING DIAGRAMS

G : Generator
Re : Silicon Diode
C : Capacitor
Ca : Nickel Cadmium Battery
Fu : Fuse
Un : Flasher unit
SW : Toggle Switch
Refer to illustration of Fig. 2 to Fig. 4, attach the rear lamp assembly to desired location of moped's mudguard or rear carrier with the provided mounting brackets. Choose the best location for your particular model. Fasten securely with bolt and nut for permanent fit.

**Fig. 2**

**Fig. 3**

**Fig. 4**

**WIRING**

Connect the input line wire (a) of the battery case to the output terminal of moped magneto. Refer to the wiring diagram of moped and connect the wire to one of its output terminals which supplies the most powerful current. With the included extension wire (b), connect the output wire (c) of battery case. Then connect the rear lamp wires (d). Take care to push the connectors completely together so that they click into place and the vinyl insulator tubing completely covers the metal connector parts. Be sure that wires do not come near the chain or exhaust system.

**CHECKING**

After installation, the following check is “must” before operation.

1. Check the installation and wiring if they are properly done as instructed.

2. Run the moped engine and keep it idling at least 10 minutes or more without using turn signals or lights. The battery will then have reached a satisfactory state of charge.

3. Test the system by moving the handlebar turn signal switch to “R” for right turn. Both right hand lamps should blink together. Reverse the wire connections if a left lamp works instead of right lamp. Switch to “L” for left hand turn. Both left hand lamps should operate correctly. If one of the lamps does not light, check its individual connector and bulb. Also check for proper grounding.

   In case the mudguard is made of non-conductive material such as plastic, the unit should be earthed somewhere to the metal part of moped.

**CAUTIONS**

1. Do not operate the device without running the engine. This may force the battery flat.

2. The battery contained in the battery case is a rechargeable Nickel Cadmium battery. The battery will be charged when engine is running. When headlamp and tail lamp are lighting, the battery might not be charged due to shortage of electrical supply from the magneto.

3. By the operation of built in self charging circuit of BL-700, the battery is charged by the moped magneto. Care should be exercised to ensure that the charge current does not exceed the overcharge capability of the battery. If the overcharge capability of the battery is exceeded, excess gas will develop and the pressure relief safety vent will relieve the excess pressure and reseal. If the excess charge current is not terminated, the vent will continue to open the reseal until the battery is nonfunctional. Be sure not to install on such motorcycles equipped with high-power magneto and engine. Otherwise, it may cause a serious damage to the power unit function.