FORM NO. 3310-795

TORO®

MODELS AFFECTED:
GUARDIAN MODEL 21711-600001 & UP
GRASSMASTER MODEL 20673-600001 & UP

BATTERY ADDENDUM

MANUALS AFFECTED

(GUARDIAN 3310-742 AND GRASSMASTER 3310-740)

IMPORTANT: This battery addendum affects pages 6, 19, and 20 in the Guardian Owner's Manual, and pages 7, 22, and 23 in the Grassmaster Owner's Manual. The reason for the addendum is to explain the installation of the Gates battery and its maintenance. Therefore, when installing the Gates battery or charging it, use the following instructions, not the instructions in the owner's manual.

INSTALL GATES BATERY (KEY-LECTRIC MODEL)

1. Charge the battery using the charging instructions in this addendum.

2. Insert battery fully into mounting bracket.

3. Slide mounting bracket w/battery between slots on back of control panel (Fig. 1, Guardian or Fig, 2, Grassmaster).

4. Push ignition connector onto ignition switch (Fig. 1 or Fig. 2). Also push wiring harness connector onto battery connector (Fig. 1 or Fig. 2).

Note: Key for ignition switch is in loose parts bag. Do not install key into switch, however, until engine is ready to be started.

CHARGING BATTERY

Tools Required: TORO Electro Charger

A new battery is not charged. When the battery is first purchased — new — from 72-96 hours of continuous charging are required to charge the battery to maximum capacity. However, if the mower must be used immediately, 24 hours of charge may provide enough energy to start the engine several times. But remember, 72-96 hours of continuous charging are required for full charge. The 72-96 hour charge is recommended for the initial charge, for the off-season storage charge, and for the spring charge (when mower is first used after off-season storage). During the mowing season, charge the battery for 24 hours after each use.

IMPORTANT: If significant loss of output from the battery is ever noticed, which can be caused by starting problems, check the spark plug and replace it if defective; then charge battery for 72-96 hours. If starting problems still persist, have mower checked by an Authorized TORO Service Dealer. Charging the battery for more than 96 hours can damage the battery, and extra charging time wastes electricity. Use only the TORO Electro Charger supplied because it is specially designed for the battery. Using a different charger will likely damage the battery and charger. Remember to use the charger indoors, not outdoors where it can be affected adversely by rain. Charge battery at room temperature — +70°F — whenever possible.

Note: The battery can be charged while it is on or off the mower. To charge battery while it is off mower, use steps 1-6. To charge battery on the mower, use steps 1, 3, 4, and 6.

1. Pull wire harness connector off battery connector.

2. To remove battery, slide battery and bracket out of mounting slots on back of control panel (Fig. 1 or Fig. 2).

3. Push Electro Charger connector onto battery connector (Fig. 1 or Fig. 2). Next, insert charger into power outlet.

4. When battery has charged for specified time, pull charger out of power outlet; then separate charger connector from battery connector.

5. Slide mounting bracket w/battery between slots on back of control panel (Fig. 1 or Fig. 2).

6. Push wiring harness connector and battery connector together.

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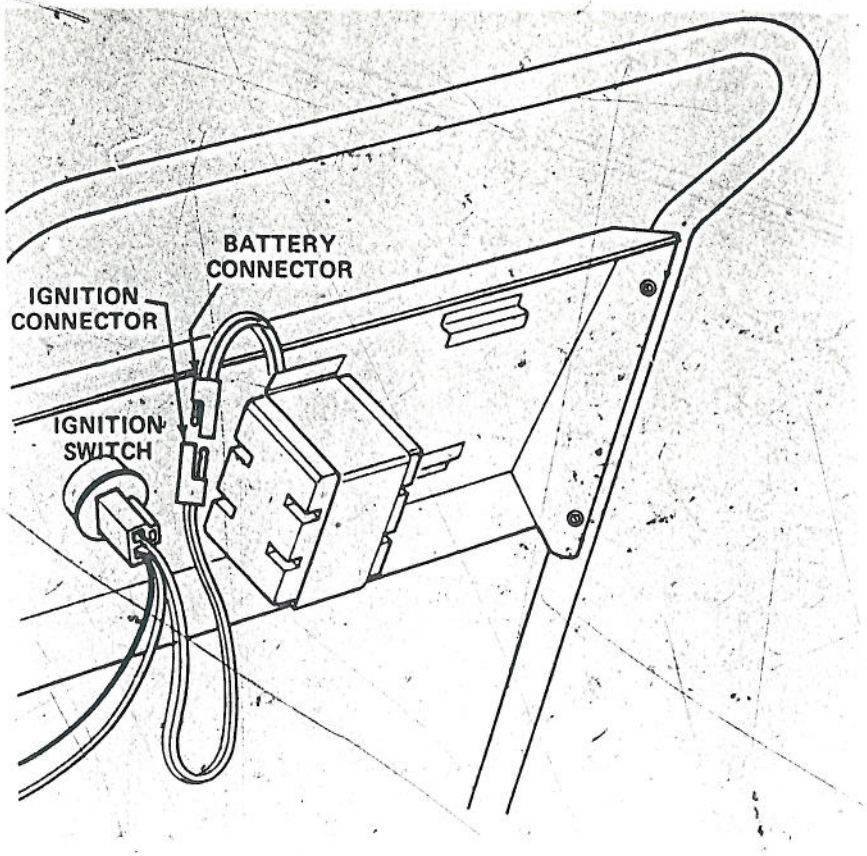

Figure 1

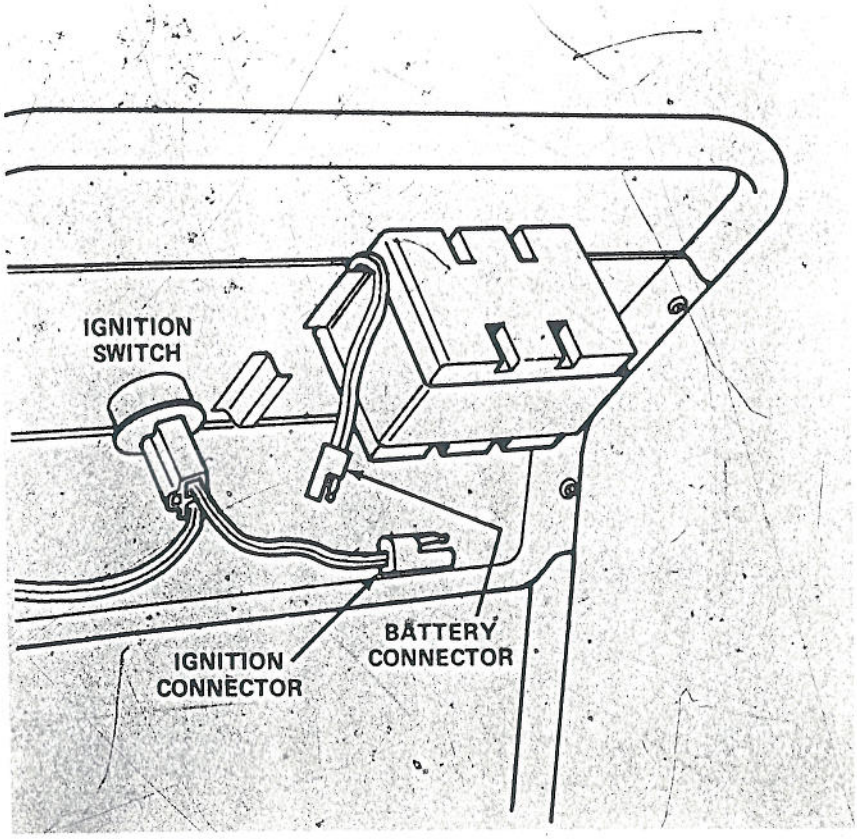

Figure 2