



# Installation Manual

As of 1/7/03

## For RediPulse 6-12 & 36-48 Models

Congratulations, you've just purchased one of the most effective products available for ensuring battery performance.

RediPulse is a proven electronic device that uses our [ReNew-IT Pulse Technology](#) to make lead-acid batteries work hard and last longer than ever by preventing the main cause of battery problems and failure: sulfation buildup on the battery plates. In most cases it will also help remove existing buildup.

By "cleaning" the plates, RediPulse helps every type of lead-acid battery work harder and last longer than ever before.

Installing RediPulse is easy, just follow the simple instructions to the right. Once installed, it works 24 hours a day when plugged in.



### **WARNING:**

Because of the possibility of personal injury, always use extreme caution when working with batteries.

## Battery Precautions

ALWAYS use the following precautions when working around batteries:

- Shield eyes. Explosive gasses can cause blindness or injury.
- No sparks, flames or smoking.
- Sulfuric acid can cause blindness or severe burns.

## Mounting The Circuit Box

NOTE: The RediPulse 6-12 model (735X260) can be used with the circuit box mounted or unmounted on your vehicle because it comes with a quick-disconnect. If you leave it unmounted, MAKE SURE to separate the quick-disconnect on the wires BEFORE using the vehicle. Then reconnect the wires after storing your vehicle again.

To mount the circuit box, use the following steps. When mounting the circuit box, make sure the box is installed upright so the the receptacle (hole) on the bottom of the box is pointing down. This will keep water, grease, dirt, etc. from collecting in the hole. Mount the box close to the battery so that the lugs (see below) can reach the battery terminals. DO NOT attach it to the battery itself. MAKE SURE the box is situated in a location where it is protected & will not accidentally be disturbed by mechanics, etc.

1. The circuit box can be mounted in one of two ways:

- 1st Method: For a permanent installation, use two round head screws to attach the circuit box to the side of the engine wall or battery compartment or in another area away from moving engine parts.
- 2nd Method: Use an industrial adhesive by applying it to the back of the circuit box & then gluing the box to the side of the engine wall near the battery.

2. Once the circuit box has been mounted, use plastic cable ties to secure the RediPulse wires to a cable or other secure area near the battery. This will keep the wires from tangling with moving engine parts or from accidentally being disturbed by a mechanic.

## Connecting The Lugs

**IMPORTANT:** The positive (+) RediPulse wire (red) must be connected to the positive (+) battery terminal & the negative (—) RediPulse wire (black) to the negative (—) battery terminal in order for RediPulse to work.

For examples of circuit box installations, go to our [Installations](#) section.

### **RediPulse 6-12 (735X260):**

RediPulse 6-12 works on 6- and 12-volt battery systems. It comes with both lugs and clamps. The lugs are designed for permanent or semi-permanent installations. The clamps (see below) are for temporary installations. Use one or the other. DO NOT use both.

Single 6- or 12-volt batteries —

1. Slip the round metal lug at the end of the positive (red) RediPulse wire onto the bolt securing the battery clamp to the positive terminal until it sits next to the nut tightening the clamp. Slip a star washer (not included) onto the bolt & next to the lug.

2. Screw a hex nut (not included) onto the bolt & tighten it until it secures the lug & washer between it & the clamp nut. When RediPulse is plugged in (see AC Adapter section), this will allow the unit to send a pulsating dc current through the terminal & into the battery to prevent the buildup of sulfates on the lead plates. [Click here](#) to see an example of a single 12-volt battery install.

3. Repeat steps 1 - 2 for the negative lug.

4. When you are ready to use the 6-12 unit, connect the quick-disconnect on the lugs to the counter part on the circuit box. Then plug in the ac adapter.

Two 6-Volt Batteries In Series—

For two (2) 6-volt batteries connected in series to equal 12 volts, follow Steps 1 and 2 above and connect the positive lug or clamp to the positive terminal on the first battery. In Step 3, connect the RediPulse negative lug to the negative terminal on Battery 2. [Click here](#) to see an example of the RediPulse 6-12 installed on two 6-volt batteries

### **RediPulse 36-48 (735X280):**

This model works on both 36- and 48-volt battery systems. For batteries connected in series to equal 36 or 48 volts, follow Steps 1 and 2 in the RediPulse 6-12 section above and connect the positive lug to the positive terminal on the first battery. In Step 3, connect the RediPulse negative wire to the negative terminal on the last battery in the set. [Click here](#) for an example of a 36-volt system install, and [here](#) for a 48-volt install.

## **Connecting Clamps (RediPulse 6-12 Only)**

To use the clamps just connect the quick disconnect on the clamps to the quick disconnect on the circuit box. Then simply attach the positive (+) red clamp to the positive (+) battery terminal and the negative (—) black clamp to the negative (—) battery terminal. Remember to remove the clamps before using your vehicle.

## **AC Adapter**

All RediPulse models include an ac adapter designed specifically for that model. These units will operate with these adapters only. DO NOT use any other type of adapter or switch adapters between models.

To use the adapter, follow these steps:

After the vehicle or equipment is stored and the engine is turned off, insert the tip of the adapter connector into the small receptacle (hole) on the circuit box.

Plug the adapter into a 110-volt ac electrical outlet. The adapter will now power the RediPulse unit 24-hours a day as long as electricity is supplied by the outlet.

## **LED**

RediPulse has an LED on top of the circuit box. The LED will light up when the wires are attached to the battery terminals and the ac adapter is plugged into an outlet. Once the unit is installed, if the LED does not light it may be due to one of the following reasons:

1. The RediPulse has been installed incorrectly (reversed polarity or a short).
2. There is a bad connection.

3. The battery has a short.

## **Basic Care & Cleaning**

The RediPulse system is completely weatherproof so moisture will not damage it. DO NOT use cleaning solvents on the circuit box.

## **RediPulse Precautions**

- DO NOT hold positive and negative lugs at the same time while the unit is plugged in. It may cause a slight electric shock.
- Any solvents that may be harmful to plastic should not be used on or near the unit.
- Secure ALL RediPulse wires and verify they are a safe distance from moving parts before starting the vehicle.

## **Warning**

The pulsating dc current produced by this product may interfere with the correct operation of some electronic devices when the unit is placed near the antenna. In order to insure no interference, the circuit box should be placed away from the antenna.

## **For More Information**

For more information on installing and using Solargizer or our other battery maintenance products, contact your local [PulseTech dealer](#). Or contact PulseTech at **1-800-580-7554** or [PPC@pulsetech.net](mailto:PPC@pulsetech.net).

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