

INSTALLATION MANUAL

REDIPULSE[®]
CHARGE / MAINTENANCE SYSTEM



RediPulse[®] is protected by assigned and/or pending
U.S. and international patents.

This is just one of over 50 battery charging
and maintenance systems manufactured by



The World Leader in Battery
Performance Technology

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www.pulsetech.net

**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 a patented *Pulse / Charge 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.

For more about RediPulse and our full line of over 50 battery charging and maintenance products, go to **www.pulsetech.net**.

You can also call **817-329-6099** Monday through Friday from 8:00 a.m to 5:00 p.m. CST.

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

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.

Use Lugs or Clamps

The RediPulse 6-12 unit comes with both lugs and clamps

The lugs are designed for permanent or semi-permanent installations. The clamps are for temporary installations. Use one or the other. DO NOT use both.

Connecting The Lugs

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

RediPulse® 6-12 (735X260):

RediPulse 6-12 works on 6- and 12-volt battery systems.

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 and next to the lug.
- 2** Screw a hex nut (not included) onto the bolt and tighten it until it secures the lug and washer between it and the clamp nut. When RediPulse is plugged in (see *AC Adapter section*), this will allow the unit to send a pulsating dc current through into the battery to prevent the buildup of sulfates on the lead plates (see Fig. 1).
- 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.

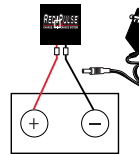


Fig. 1

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 (see Fig. 2).

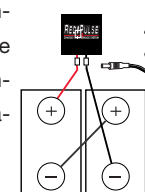


Fig. 2

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

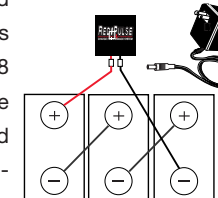


Fig. 3

Step 3, connect the RediPulse negative wire to the negative terminal on the last battery in the set (See Fig. 3 for an example of a 36-volt system 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:

- 1** 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.

- 2 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 and 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.

5-Year Limited Warranty

What Does This Warranty Cover? This warranty covers any defects in workmanship or materials in the circuit board in the RediPulse product under normal use and service.

How Long Does The Coverage Last? This warranty runs for five (5) years from the date of purchase.

What Will PulseTech Do? PulseTech will, at its option, replace or repair any defective circuit board with a new or rebuilt circuit board at no charge.

What Does This Warranty Not Cover? This warranty does not cover any parts other than the circuit board. In addition, PulseTech will not be responsible under this warranty if PulseTech determines that (1) upon examination that the circuit board failure was (A) caused by misuse, neglect, accident, alteration, or abnormal condition of operating or handling (including the failure to install the product in accordance with PulseTech's instructions and observe the warnings on the product and the instruction manual), or other conditions beyond the control of PulseTech or (B) damaged in transit to PulseTech, or (2) the owner is not the original purchaser that purchased the product through an authorized PulseTech dealer or distributor. IN NO EVENT SHALL PULSETECH BE LIABLE FOR ANY DIRECT, SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL, PUNITIVE OR EXEMPLARY DAMAGES, EXPENSES, LOST SAVINGS OR LOST PROFITS OR ANY OTHER DAMAGES OF ANY KIND FROM ANY BREACH OF THIS WARRANTY OR OTHERWISE. Some states, provinces or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

How To Get Service? Send the product postage prepaid with proof of purchase (sales receipt) within the warranty period to the authorized reseller where the product was purchased or contact PulseTech directly by calling 1-800-580-7554.

How Does State, Province or Country Law Apply? This warranty gives you specific legal rights, and you may also have other rights which vary from state to state, province to province or country to country.

THIS WARRANTY IS THE SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.