

## RWTM (v3) - Windscreen Wiper Timer Module

For self parking wiper motors\*

Thank you for purchasing the Retronics Wiper Timer Module, we hope it puts the fun back into driving on a drizzly day!

In a vehicle with an On/Off wiper system (either one or two speed), the RWTM will provide intermittent wiper sweep function at intervals of 2, 3, 4, 8 & 12 seconds.

Your original wiper switch will still work as before, but must be turned off for our module to provide the intervals.

Your module comes with a three year back to base guarantee from your date of purchase. Please retain your proof of purchase. This does not affect your statutory rights.

### Installation Information:

The RWTM is universal & designed to work with most wiper motor systems. The following installation instructions are for the two most common wiper motor types.

There are two main ways in which self parking wiper motors are connected. Some feed their self park to the dashboard switch (which the RWTM interrupts), for example the Lucas 14W.

Others have the motor turned on using a connection to the chassis (Chassis Side Switching), for example the Lucas DR3.

You will need to establish how your wiper motor is switched on & off.

Less common are wiper motors which use other methods (eg: some VW T2s). Additional information can be found on the Tech. Help page of our website. If in doubt, feel free to email us.

You may find it useful to look at the wiring diagram for your car. Bear in mind your vehicle's wiring may have been changed at some point, or the manufacturer may have changed the wire colours without updating the drawings.

Please read the following instructions & study the diagrams carefully before installation.

The Wiper Timer Module is simple to install, but if you are in any doubt over your ability to install it correctly & safely, please consult a qualified technician.

The RWTM works with 12V and 6V vehicles. The module's PCB requires +12v to operate, so if you are installing in a 6v vehicle, you will need a 6v to 12v converter between the vehicle's 6v power supply & the module.

### Installation Notes:

Please confirm suitable location of the RWTM in your car before trimming the control switch shaft or inline fuse holder wire.

- i. Make sure you know whether your vehicle is negative earth or positive earth.
- ii. Disconnect the battery before installation.
- iii. Mount the RWTM rotary control switch to the dashboard in a manner of your choice. The control switch shaft can be shortened to suit.
- iv. You may use the spigot on the control switch as a mounting locator, or remove it.
- v. Should the switch's tab washer move, simply ensure the tab is located in position 6
- vi. The module itself can be mounted behind the dashboard, or wherever you choose.

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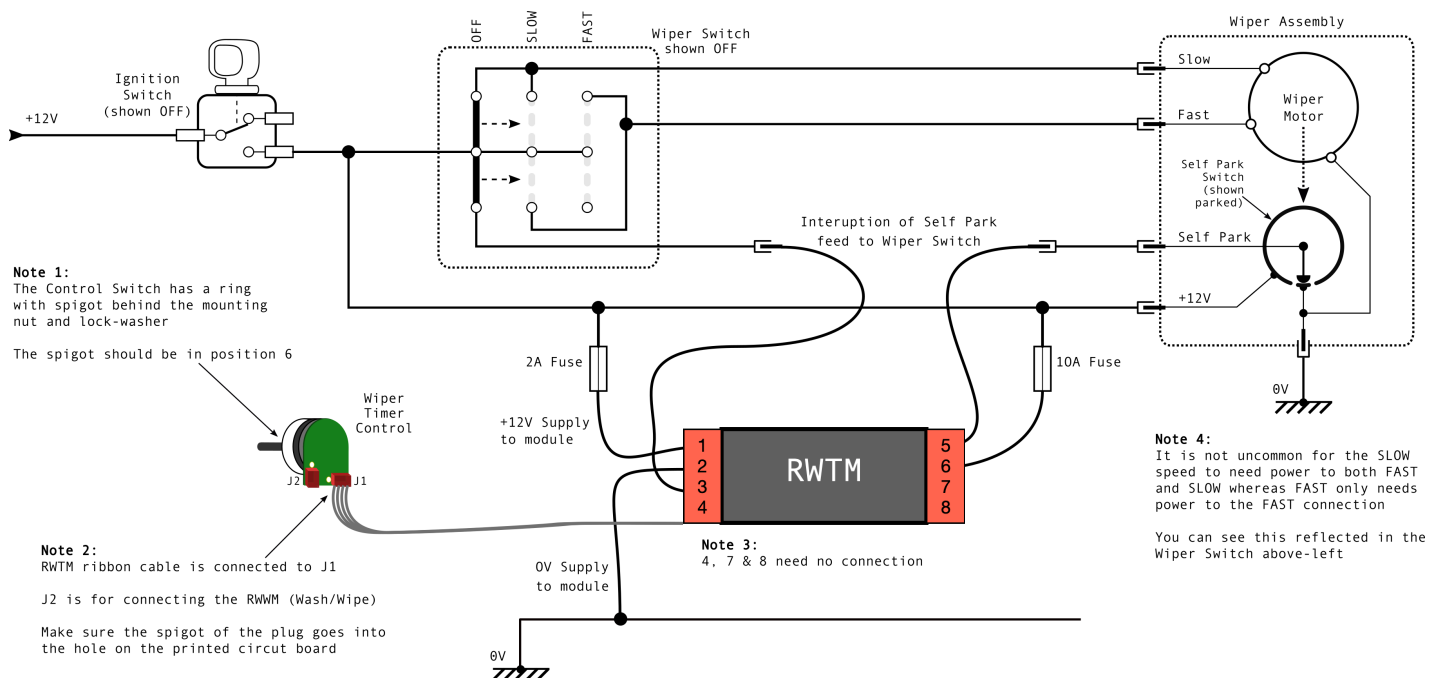
## CONNECTION BY INTERRUPTING THE SELF PARK FEED BETWEEN WIPER MOTOR AND DASH SWITCH:

Eg: Lucas 14W / 15W,

These diagrams & instructions show how to connect by using the RWTM to interrupt the feed between the wiper motor and the dashboard switch.

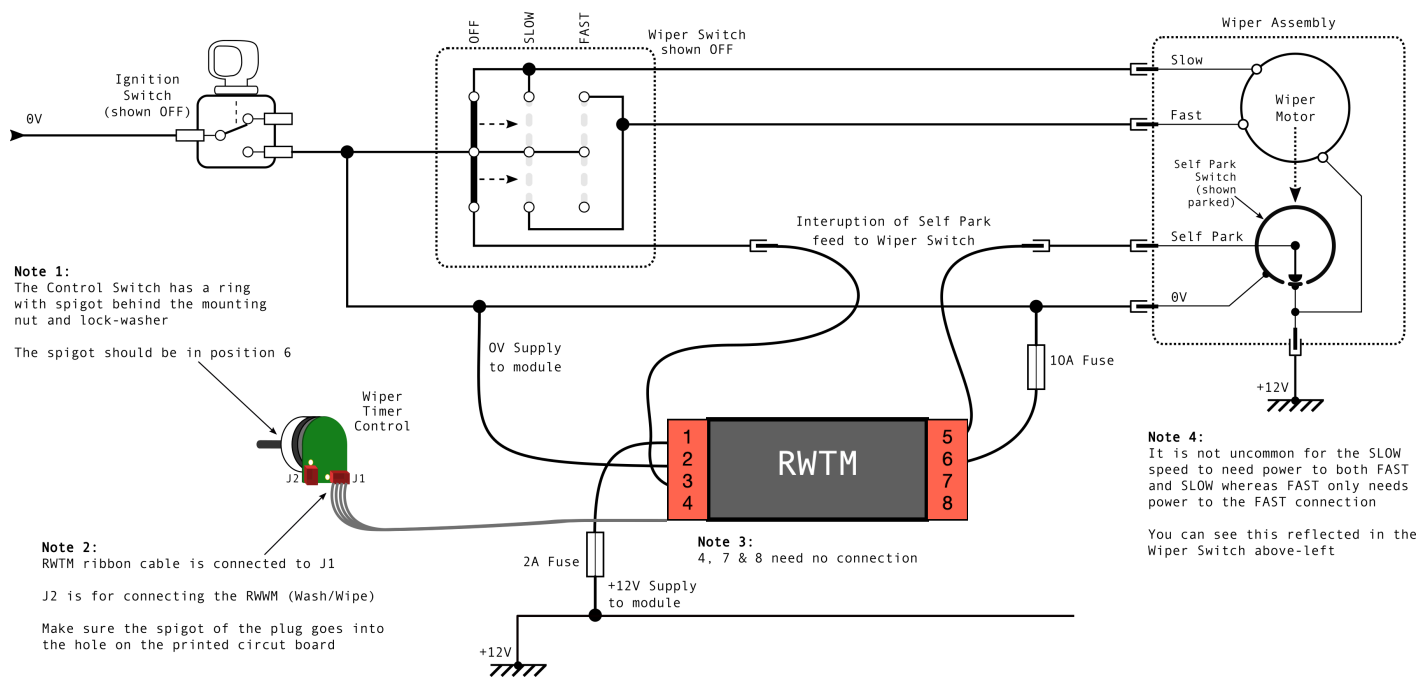
With this type of motor, you will need to identify the self park feed wire which connects between the self park mechanism and your wiper switch. This wire will be interrupted with the Wiper Timer Module.

### NEGATIVE EARTH VEHICLE:



- 1/ Connect terminal 1 to +12V power, after the ignition switch, using the supplied 2A fuse and fuse holder
- 2/ Connect terminal 2 to 0V (Earth).
- 3/ Disconnect (or cut) the wire which connects the self park of the wiper motor to the original wiper dashboard switch (the self park feed wire).
- 4/ Connect terminal 3 to the dashboard switch side of the self park feed wire.
- 5/ Connect terminal 5 to the wiper motor side of the self park feed wire.
- 6/ Connect terminal 6 to +12V power, after the ignition switch, using the supplied 10A fuse & fuse holder.
- 7/ Connect the ribbon cable to J1 in the rotary control switch circuit board. Make sure you put the connector's spigot into the small hole next to J1.

## Positive Earth Vehicle:



1/ Connect terminal 1 to +12V power, after the ignition switch, using the supplied 2A fuse and fuse holder.

2/ Connect terminal 2 to 0V (Earth).

3/ Disconnect (or cut) the wire which connects the self park of the wiper motor to the original wiper dashboard switch (the self park feed wire).

4/ Connect terminal 3 to the dashboard switch side of the self park feed wire.

5/ Connect terminal 5 to the wiper motor side of the self park feed wire.

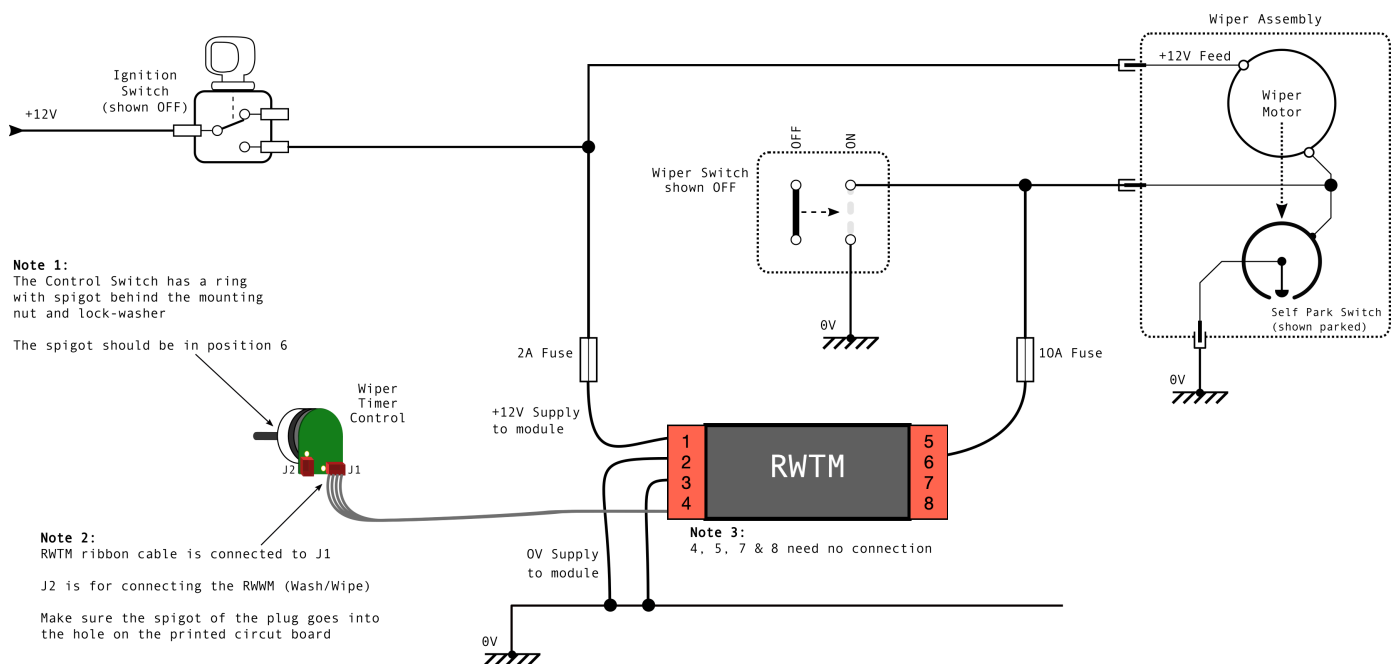
6/ Connect terminal 6 to 0V (Earth), after the ignition switch, using the supplied 10A fuse & fuse holder.

7/ Connect the ribbon cable to J1 on the rotary control switch circuit board. Make sure you put the connector's spigot into the small hole next to J1.

## CONNECTION TO A TYPICAL CHASSIS SIDE SWITCHING WIPER MOTOR:

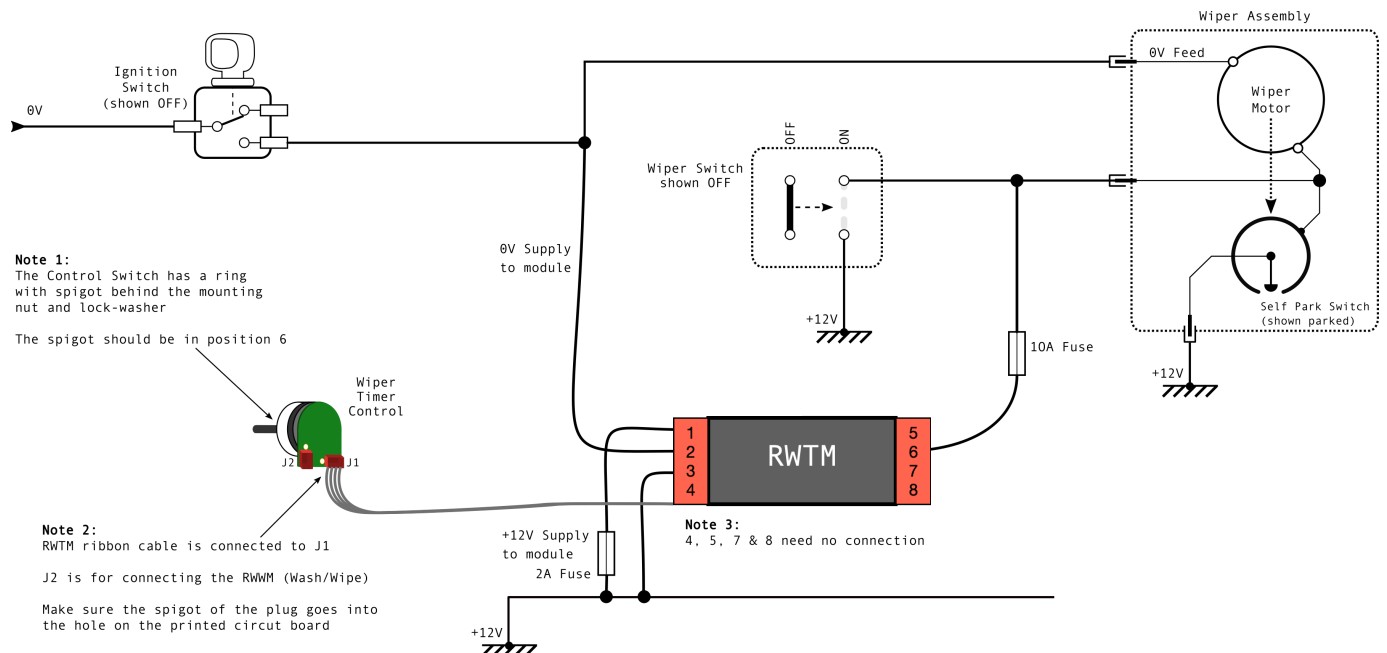
Eg: Lucas DR3

### NEGATIVE EARTH VEHICLE:



- 1/ Connect terminal 1 to +12V power, after the ignition switch, using the supplied 2A fuse and fuse holder.
- 2/ Connect terminal 2 to 0V (Earth).
- 3/ Connect terminal 3 to 0V (Earth).
- 4/ Connect terminal 6 to the wire between the wiper motor and the dashboard switch using the supplied 10A fuse and fuse holder.
- 5/ Connect the ribbon cable to J1 on the rotary control switch circuit board.  
Make sure you put the connector's spigot into the small hole next to J1.

## POSITIVE EARTH VEHICLE:



- 1/ Connect terminal 1 to +12V power, using the supplied 2A fuse and fuse holder.
- 2/ Connect terminal 2 to 0V (Earth), after the ignition switch.
- 3/ Connect terminal 3 to +12V power.
- 4/ Connect terminal 6 to the wire between the wiper motor and the dashboard switch using the supplied 10A fuse and fuse holder.
- 5/ Connect the ribbon cable to J1 on the rotary control switch circuit board.  
Make sure you put the connector's spigot into the small hole next to J1.



### Retronics Ltd

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Registered in England, registration number: 12280789

This product is not recyclable. Please check with your local authority for suitable end of life disposal.

**\*DISCLAIMER:** This product complies with the GPSR (General Product Safety Regulations) & is CE, UKCA, UKNI & RoHS compliant. The RWTM is a generic after market product designed to be compatible with the standard wiring systems & self parking wiper motors of most classic vehicles. Retronics Ltd can not guarantee compatibility with all vehicles. It is for the purchaser to satisfy themselves as to the suitability of the RWTM to their vehicle. Retronics Ltd will not be liable for any loss or damage arising from unsuitable or incorrect installations.  
If in doubt, always consult a qualified technician.