

Installation Instructions

T3 Remote Curve Selection Switch

Remote Switch curve selection overview – Any Tempest ignition fitted with the Remote Switch (RS) option gives you the ability to remotely change the timing advance curves to any of the four possible curve settings programmed into the ignition.

Wiring Overview

There are two parts that comprise the RS Option, an Advent Tempest 3 ignition that contains the RS option electronics and the Remote Switch cable assembly.

Tools Required

- ▶ Drill motor
- ▶ 3/16" drill bit
- ▶ 1/2" drill bit
- ▶ 15mm open end wrench
- ▶ 19mm open end wrench

Installation per Stock Class Racing rules

Racing rules don't allow any modifications to the electronics enclosure, including drilling of holes.

For installation on Yamaha Super Jet and Kawasaki Jet Skis, remove the water temp sensor wires from the electronics enclosure and thread the gray Remote Switch wire through the grommet hole previously used by the water temp sensor.

First Things First, for Safety... Very Important!

 **Disconnect the battery positive cable (red) before proceeding.**

Installation via drilled cable access hole

1. Locate a site on the OEM electronics enclosure cover suitable to mount the watertight bulkhead fitting. The drill site should be chosen such that there will be room for the jam-nut of the bulkhead fitting and adequate space for the gray wire to be routed to the ignition..
2. Drill a 3/16" pilot hole first and then re-drill using the 1/2" bit. Deburr the hole just drilled.
3. Apply a thin layer of silicone sealant around the 1/2" diameter hole. Now remove the jam nut from the threaded end of the bulkhead connector, set it aside.
4. Pass the cable of the Remote Switch assembly through the 1/2" hole from the outside of the case until the black bulkhead connector threads are inserted into the 1/2" hole. Thread the jam nut just removed over the end of the wire, tighten the jam-nut using the 19mm wrench on the nut and the 15mm wrench on the outside hex of the bulkhead fitting. Clean the excess sealant off from around the bulkhead fitting.

5. Loosen the bullet shaped bulkhead wire locknut at the top of the bulkhead fitting. Adjust the wire length inside the electrical box so the small connector at the end of the wire mates with female connector located on the top of the Advent ignition.

IMPORTANT NOTE:

Care must be taken **NOT** to route the gray switch wire parallel to the ORANGE and BLACK/WHITE wires leading to the ignition coil. The gray wire may cross these wires at 90 degrees. If this instruction is not followed, the ignition will not function properly, and in rare cases, damage may occur to the ignition. If you don't understand these instructions, please call or e-mail us for further clarification.

6. Plug the connector at end of the Remote Switch wire into the female connector found on the top of the ignition near the programming switches. Don't remove the black tape covering the connector on the ignition, simply puncture it as you insert the connector pins into the connector. The cable for the Remote Switch assembly should approach the connector from the direction of the ignition wires, not from over the programming switches.

Note: If you happen to attach the wire end connector backwards no damage will occur, but the programming switches on the RS module will not select the curves properly, this is to say you set the switches for curve one, but you will actually have selected some other curve.

7. Turn off the the curve selection switches located on the ignition.

Note: Failure to turn both curve selection switches located on the ignition to theres OFF position will not no damage the Ignition or the Remote Switch assembly but you will not get the curve you selected on the Remote Switch unit.

8. Reattach the OEM electronic enclosure cover. Reinstall the OEM electronics enclosure into its attachment location on the PWC.

9. Using a suitable adhesive or small tie wraps, attach the Remote Switch head unit onto a suitable surface and in a convenient place in the engine compartment for easy access to the switches.

Last Things Last

Reattach the battery wire.

Attention! Severe engine damage may occur

Do not attempt to operate the boat on the water until you have properly set all the Programming Switches on the Tempest 3 Ignition.

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