

## MSD Lanyard Kill Switch

**Handle Bar Mount, PN 4373 w/normally closed switch**

**Surface Mount, PN 4374 w/normally closed switch**

**Handle Bar Mount, PN 43731 w/normally open switch**

**Surface Mount, PN 43741 w/normally open switch**

### Parts Included:

Handle Bar Mount Housing (two pieces), PN 4373, 43731

Surface Mount Housing, PN 4374, 43741

1 - Internal Button Hardware Kit (plastic button, plunger, and spring)

2 - Stainless Steel Allen Head Bolts

2 - Heat Shrink Crimp On Butt Connector

2 - Heat Shrink Crimp On Ring Lug Connector

- PN 4373/43731, Fits standard 3/4" handle bars
- PN 4374/43741, Mounts on flat surface

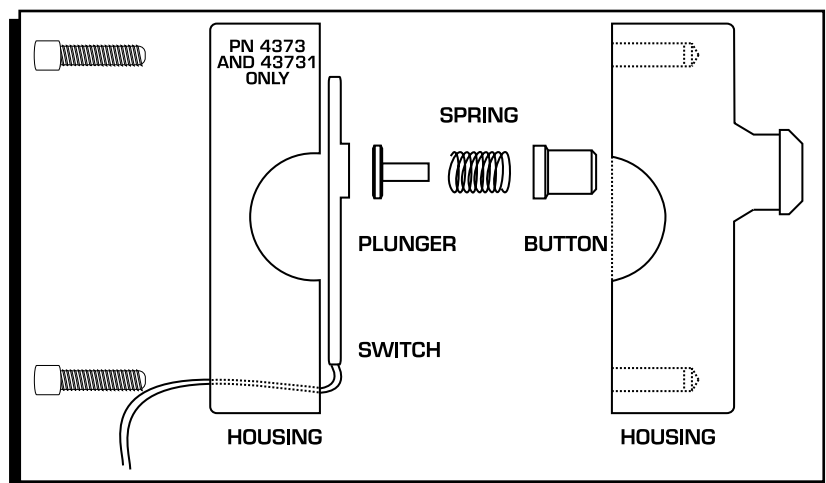
The IJSBA Official Rule Book states that "All watercraft competing in closed course and slalom events must have a properly working, lanyard-type engine stop switch installed".

- The MSD Lanyard Kill Switch PN 4373 and 4374 consist of a normally closed switch with the lanyard removed. When the lanyard is installed the internal switch breaks contact and opens the circuit. Since only two wires are being connected together it makes no difference which direction the wires are connected. See pages 2 and 3 for wiring.
- The MSD Lanyard Kill Switch PN 43731 and PN 43741 consist of a normally open switch with the lanyard removed. When the lanyard is installed the internal switch makes contact and closes the circuit. Since only two wires are being connected together it makes no difference which direction the wires are connected. See page 4 for wiring.

**Note:** It is recommended that you have your factory service manual to perform this installation.

## MOUNTING

1. Assemble the lanyard pieces as shown in Figure 1.
2. Mount the lanyard assembly in a location that does not interfere with the normal operation of the craft's controls.



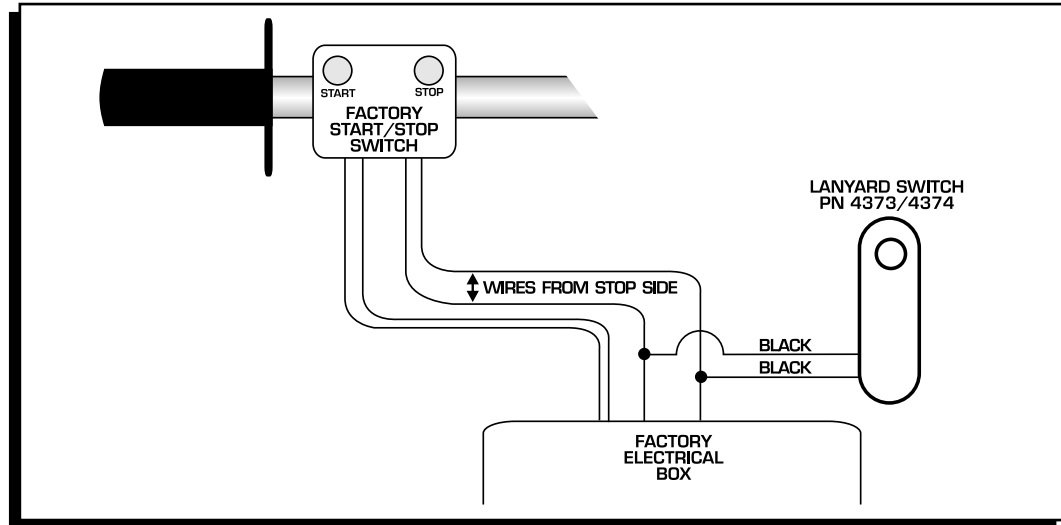
**Figure 1 Assembling the Lanyard Switch.**

**Note:** Also make sure the lanyard can not get tangled with any part of the craft and accidentally come detached.

3. Route the lanyard wires along side the factory wiring harness and securely fasten them to the inside of the hull. They should be routed away from areas of high heat or areas that may pinch or cut into the wires.

## **WIRING: PN 4373 AND 4374**

### **STOCK OEM IGNITION INSTALLATION (Except Sea Doo) (Figure 2)**

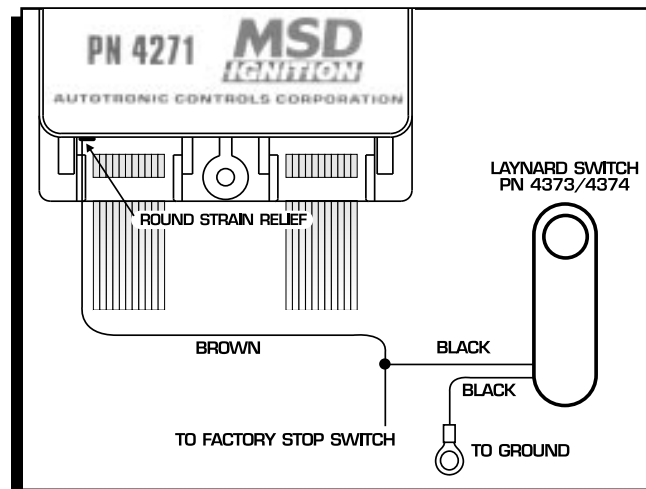


**Figure 2 Installing the PN 4373 or 4374 on a Stock Ignition.**

1. Using the factory Service Manual, identify the four wires that come from your factory start/stop switch to the stock electrical box.
2. Splice the two Lanyard Switch wires into the two stop switch wires. It does not matter which lanyard wire attaches to which stop switch wire.

### **MSD PRO SERIES II HOLESHOT IGNITION - PN 4271 (Figure 3)**

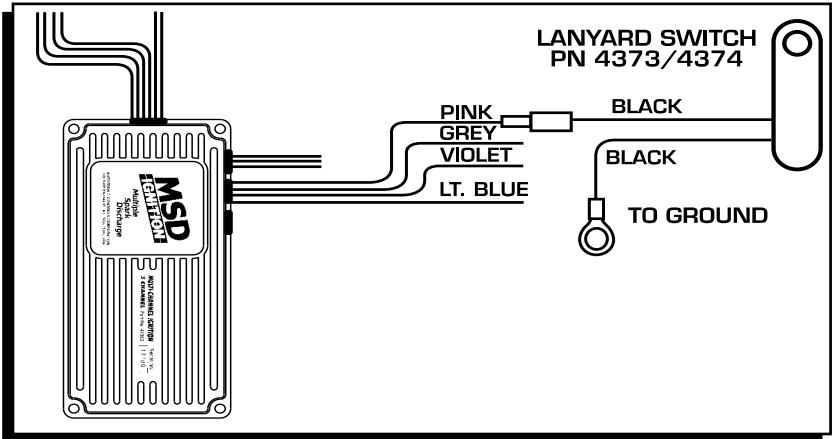
1. Locate the BROWN wire that exits the ignition module from the small round strain relief.
2. Splice one of the lanyard wires into this BROWN wire that is coming from the ignition module.
3. Install the supplied heat shrink ring lug terminal to the remaining lanyard wire and attach it to a permanent ground source such as the engine case.



**Figure 3 MSD Pro-Series II Holeshoot Ignition Installation.**

**MSD MULTI-CHANNEL IGNITION - PN 42352, 42353 (FIGURE 4)**

1. Locate the PINK wire that comes from the multi-channel ignition.
2. Connect one of the lanyard wires to the PINK wire that is coming from the ignition module.
3. Install the supplied heat shrink ring lug connector to the remaining lanyard



**Figure 4 MSD Multi-Channel Ignition Installation.**

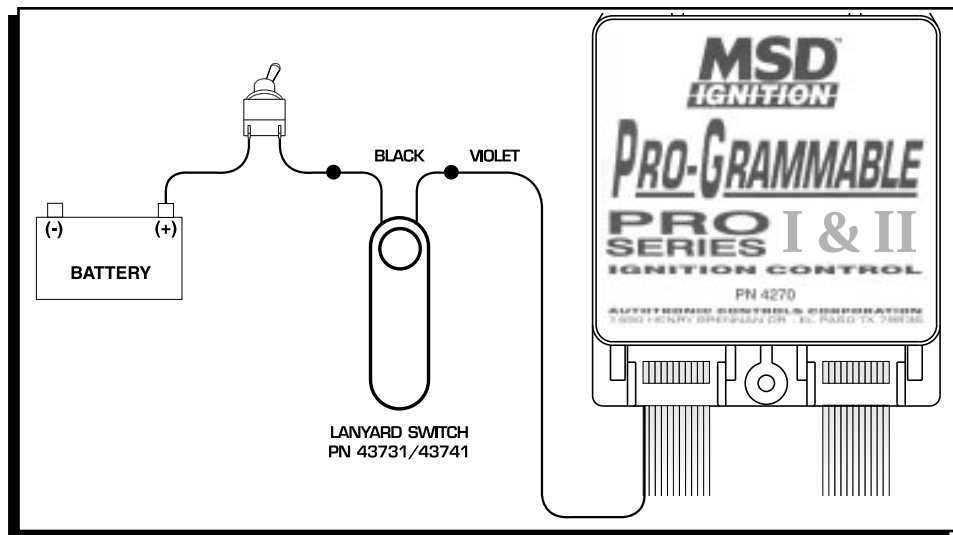
kill switch wire and attach this ring lug to a permanent ground source. It does not matter which lanyard wire connects where.

**WARNING:** Before riding your craft start the engine and pull the lanyard from the switch, the engine should immediately die. If it does not check all connections for proper installation.

**WIRING: PN 43731 AND 43741**

**MSD PRO SERIES IGNITIONS I OR II- PN 4270, 4262 (Figure 5)**

1. Locate the VIOLET wire that runs from the MSD to the On/Off Switch.
2. Cut the VIOLET wire and connect the two Lanyard wires to the VIOLET wires.



**Figure 5 MSD Pro-Series Ignition Installation.**

# MSD IGNITION™ INSTALLATION INSTRUCTIONS

## STOCK SEA DOO INSTALLATION, (Figure 6)

**Note:** A PN 43731 or 43741 must be used for this installation.

1. Locate and disconnect the two wires at the factory safety switch and remove the switch.

**Note:** On '94 and earlier models the wires are BLACK/YELLOW. On '95 models the wires are BLACK and BLACK/YELLOW.

2. Connect the BLACK wires of the Lanyard Switch to the factory safety switch wires.

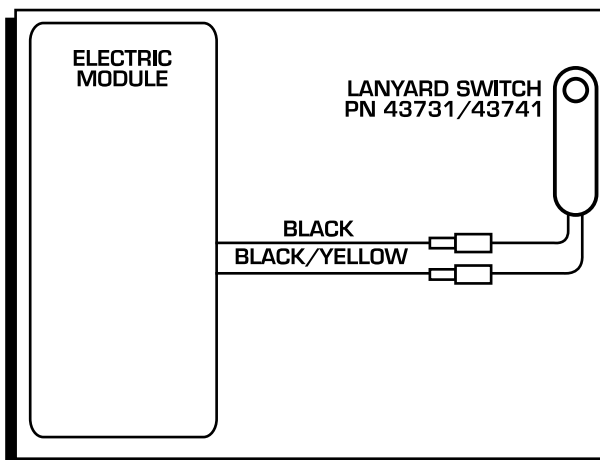


Figure 6 Stock Sea Doo Installation.

**WARNING:** Before riding your craft start the engine and pull the lanyard from the switch, the engine should immediately die. If it does not check all connections for proper installation.

### Service

In case of malfunction, this MSD component will be repaired free of charge according to the terms of the warranty. When returning MSD components for service, Proof of Purchase must be supplied for warranty verification. After the warranty period has expired, repair service is charged based on a minimum and maximum charge.

Send the unit prepaid with proof of purchase to the attention of: **Customer Service Department, Autotronic Controls Corporation, 1490 Henry Brennan Drive, El Paso, Texas 79936.**

When returning the unit for repair, leave all wires at the length in which you have them installed. Cutting wires close to the unit will void your warranty. Be sure to include a detailed account of any problems experienced, and what components and accessories are installed on the vehicle.

The repaired unit will be returned as soon as possible after receipt, COD for any charges. For more information, call the MSD Customer Service Line 1(800) 392-2842. MSD technicians are available from 8:00 a.m. to 5:00 p.m. Monday - Friday (mountain time).

### Limited Warranty

Autotronic Controls Corporation warrants MSD Ignition products to be free from defects in material and workmanship under normal use and if properly installed for a period of one year from date of purchase. If found to be defective as mentioned above, it will be replaced or repaired if returned prepaid along with proof of date of purchase. This shall constitute the sole remedy of the purchaser and the sole liability of Autotronic Controls Corporation. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall Autotronic Controls Corporation be liable for special or consequential damages.