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## YAMAHA 704-82570-13-00

# Yamaha New OEM Single Key Switch Panel 704-82570-13-00 User Manual

Model: 704-82570-13-00

## INTRODUCTION

This manual provides comprehensive instructions for the safe and effective installation, operation, and maintenance of the Yamaha New OEM Single Key Switch Panel, model 704-82570-13-00. This 1-way panel-mount switch is designed for reliable performance in various electronic applications, particularly in marine and powersports environments. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

## SAFETY INFORMATION

- Always disconnect the power source before attempting any installation, maintenance, or repair procedures to prevent electrical shock.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits and potential fire hazards.
- This product should be installed by a qualified technician if you are unfamiliar with electrical systems.
- Do not modify the switch panel or its components. Unauthorized modifications can lead to malfunction and void the warranty.
- Keep the switch panel free from excessive moisture, dust, and corrosive substances to maintain optimal performance.

## PACKAGE CONTENTS

Verify that all items are present before proceeding with installation:

- Yamaha Single Key Switch Panel (Model: 704-82570-13-00)
- Ignition Key(s)
- Emergency Stop Lanyard (if included with specific kit)
- Mounting Hardware (if included)

## PRODUCT OVERVIEW

The Yamaha Single Key Switch Panel is a compact, panel-mount unit designed for controlling the ignition and emergency stop

functions of compatible Yamaha engines. It features a robust construction with copper contacts for durability and reliable electrical connections.



**Figure 1:** Front view of the Yamaha Single Key Switch Panel, showing the key switch, emergency stop button, and attached wiring harness with lanyard.

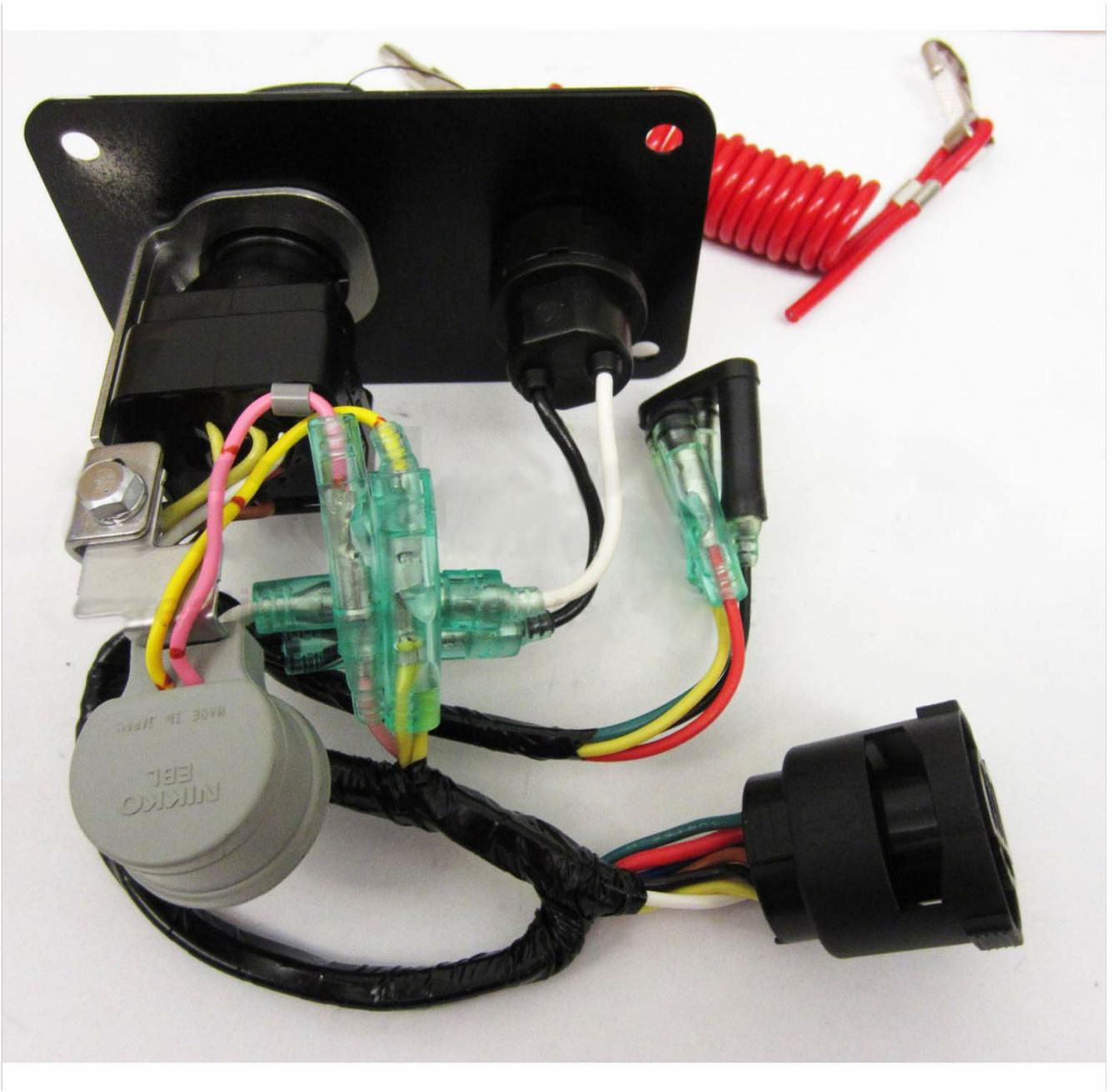
- **Key Switch:** Controls ignition (OFF, ON, START positions).
- **Emergency Stop Button:** Push-button activated, typically connected to an emergency stop lanyard.
- **Wiring Harness:** Multi-pin connector for integration with the vehicle's electrical system.

## SETUP AND INSTALLATION

Proper installation is critical for the safe and correct operation of the switch panel. Refer to your vehicle's service manual for specific wiring diagrams and mounting locations.

1. **Prepare Mounting Location:** Select a suitable flat surface for panel mounting. Ensure there is sufficient space behind the panel for wiring connections. The panel dimensions are approximately 7 x 7 inches.

2. **Cut Opening:** Carefully cut an opening in the mounting surface according to the dimensions of the switch panel. Use appropriate tools and safety precautions.
3. **Mount the Panel:** Insert the switch panel into the prepared opening. Secure it using appropriate mounting hardware (not always included, check package contents).
4. **Connect Wiring Harness:** Identify the main wiring harness from your vehicle's electrical system that connects to the ignition switch.



**Figure 2:** Rear view of the switch panel, illustrating the various wire connections and the main connector.

5. **Match Connectors:** Connect the 2-pin connector from the switch panel to the corresponding connector on your vehicle's wiring harness. Ensure a firm and secure connection. The switch uses an X-10 connectivity protocol.



**Figure 3:** Detailed view of the 2-pin connector, highlighting the pin configuration for proper connection.

6. **Connect Emergency Stop Lanyard:** Attach the emergency stop lanyard to the designated post on the switch panel. Ensure the lanyard is properly secured and functions correctly.
7. **Test Functionality:** Before fully securing the panel, reconnect the power source and test all functions of the switch panel (ignition, emergency stop).

## OPERATING INSTRUCTIONS

The switch panel operates with a simple key and push-button mechanism.

1. **Ignition ON/OFF:** Insert the key into the key switch. Turn the key clockwise to the "ON" position to power the electrical system. Turn counter-clockwise to "OFF" to shut down.
2. **Starting the Engine:** From the "ON" position, turn the key further clockwise to the "START" position. Release the key once the engine starts; it will spring back to the "ON" position.
3. **Emergency Stop:** In an emergency, pull the emergency stop lanyard from the switch panel. This will immediately cut power to the engine. To restart, reattach the lanyard and follow the starting procedure.

## MAINTENANCE

The Yamaha Single Key Switch Panel is designed for minimal maintenance. Regular checks can help ensure its continued reliability.

- **Cleaning:** Periodically wipe the exterior of the switch panel with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Connection Check:** Annually inspect all wiring connections for corrosion or looseness. Ensure the 2-pin connector is securely seated.
- **Emergency Stop Lanyard:** Regularly check the emergency stop lanyard for wear and tear. Ensure it attaches and detaches smoothly and activates the stop function reliably.

## TROUBLESHOOTING

If you encounter issues with your switch panel, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Engine does not start when key is turned to "START".	Emergency stop lanyard not attached. Loose or corroded wiring connection. Battery low or dead. Faulty starter motor or solenoid.	Ensure lanyard is securely attached. Check all wiring connections, especially the 2-pin connector. Verify battery charge and connections. Consult a qualified technician for further diagnosis.
No power to electrical accessories when key is "ON".	Blown fuse in the vehicle's electrical system. Loose wiring connection. Faulty switch panel.	Check and replace any blown fuses. Inspect wiring for secure connections. If other solutions fail, the switch panel may need replacement.
Emergency stop function does not work.	Lanyard not properly connected to the switch. Faulty emergency stop switch mechanism.	Ensure lanyard is correctly seated. If the issue persists, the switch panel may require inspection or replacement by a professional.

## SPECIFICATIONS

Feature	Detail
Model Number	704-82570-13-00
Brand	YAMAHA
Operation Mode	Automatic
Contact Type	Normally Open
Connector Type	X10 (2-pin)
Circuit Type	1-way

Feature	Detail
Actuator Type	Push Button (for emergency stop), Key (for ignition)
Contact Material	Copper
International Protection Rating	IP00
Control Method	Touch, Manual
Unit Count	1.0 Count
Product Dimensions (L x W x H)	7 x 7 x 7 inches
Item Weight	1.19 pounds

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Yamaha website or contact your authorized Yamaha dealer. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, you may visit the [Yamaha Motor official website](#).

