**NOTICE**

Strap to a retainer fixture inside the motor housing to ensure that the
stator is properly installed. The motor housing provides grounding for
the stator, which is critical to the proper operation of the motor.

**GENERAL**

- **Introduction**

  This product contains particles that may be harmful if inhaled.
  Improper handling, use, or disposal of this product may result in
  the release of hazardous substances. Please follow the instructions
  provided to ensure safe use and disposal.

- **Service Parts**

  The components listed below are available for replacement:
  - Stator
  - Rotor
  - Gearbox assembly
  - Bearing assembly
  - Shaft assembly
  - Encoder assembly
  - Connector assembly

  These parts are available from our authorized service providers.
  Contact your local dealer or service center for more information.

- **Installation**

  Before installing the motor, ensure that the surrounding area is
  free of debris and obstructions. Follow the installation instructions
  provided by the manufacturer to avoid damaging the motor or
  compromising its performance.

- **Operation**

  Proper operation of the motor requires regular maintenance and
  monitoring. Regularly inspect the motor for signs of wear and
  replace any damaged parts as needed.

- **Disposal**

  When disposing of the motor, follow all local regulations and
  guidelines. Proper disposal helps prevent environmental contamination.

- **Warranty**

  The motor comes with a limited warranty. Please refer to the
  warranty information provided by the manufacturer for details.

- **Technical Support**

  For technical support or further information, contact our customer
  service team. They are available to answer your questions and
  provide guidance on the correct usage and maintenance of the motor.

- **Safety**

  Always prioritize safety when working with electrical components.
  Wear appropriate protective gear and follow all safety guidelines.

- **Regulatory Compliance**

  Ensure that the motor complies with all relevant safety standards
  and regulations. Consult the manufacturer's specifications for
  compliance information.
Precautionary Statement

Warning: Disconnect power before attempting any repair. Failure to comply with the safety instructions may result in injury or damage to the product.

Maintenance

1. Check all joints for leaks.
2. Check all screws for tightness.
3. Check all connections for proper grounding.
4. Check all switches for proper operation.
5. Check all lights for proper brightness.
6. Check all motors for proper operation.

Electronics Sound

1. Press the button on the control panel.
2. The control panel will illuminate.
3. Press the button again to select the desired function.
4. The selected function will be displayed on the control panel.
5. Press the button again to start the function.

Player Controls

1. Press the start button to initiate the selected function.
2. Use the arrow buttons to select the desired option.
3. Press the select button to confirm the selection.
4. Use the volume control to adjust the sound level.
HOW IT WORKS

V. Field Description

The diagram shows the electrical system of the device. The legend is located at the bottom of the page, and the components are labeled accordingly. The diagram includes various circuit components such as capacitors, resistors, and inductors, which are essential for understanding the operation of the system. The connections between these components are clearly indicated, providing a comprehensive view of the system's layout.
How IT Works

1. **Problem:**
   - Player A is on the left side, and Player B is on the right side.
   - Player A is trying to score a point by serving the ball from the service area.
   - Player B is ready to receive the serve.

2. **Steps to Solve:**
   1. **Step 1:** Player A serves the ball into the service area.
   2. **Step 2:** Player B returns the ball to the service area.
   3. **Step 3:** Player A returns the ball to Player B.
   4. **Step 4:** Player B returns the ball to Player A.
   5. **Step 5:** Player A returns the ball to Player B.

3. **Solution:**
   - Player A successfully serves the ball, and Player B attempts to return it.
   - Player A hits the ball with a powerful serve, causing Player B to hit it over the net and out of bounds.

4. **Conclusion:**
   - Player A scores a point by successfully serving the ball.
   - The game continues with Player B serving the ball to Player A.

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**Free Ball**

- When a player scores a point, the server will receive a free ball.
- The free ball is awarded to the player who served the ball.
- Players must serve the ball to the opposite team's service area.

**Solving Problem:**

- Determine the rules of the game.
- Understand the roles of the server and receiver.
- Execute the serve and receive technique.
- Adapt to the opponent's strategy.

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**Score Calculation:**

- Each served ball that is not returned correctly counts as a point.
- A player scores a point by hitting the ball over the net and beyond the opponent's service area.
- A player loses a point if their serve is not returned correctly.
Diagnostic Lamp and Switch Test

Problem Solving

Problem:

Solution:

Figure 2, page 12

The physical position of the switch must be aligned to the physical position of the switch. The switch position must be correctly set to the position of the switch.

NOTE: The switch test must be performed while the engine is running.

Figure 3

The switch test is performed while the engine is running.

Diagrams and schematics of the system are shown in Figures 1 and 2. The switch test must be performed while the engine is running.

Figure 4

The switch test must be performed while the engine is running.

Problem Solving

Problem:

Solution:

Figure 5

The switch test must be performed while the engine is running.
I. REMOVE REAR FIELD PLATE:  
1. Disconnect the 11 and 70-pin data cables from the rear display.  
2. Remove the rear display and the rear display controller from the field panel and set them aside.

II. START/RESET SWITCH S-16:  
SOLUTION

III. INFORMATION

BEFORE DOING ANY OF THE RECOMMENDED SOLUTIONS READ THE FOLLOWING:

ASSUMED PHYSICAL CONDITIONS:  No external contamination is applied to any of the parts of the instrument or system.  No external force, other than the rating of the unit, is applied to any of the parts of the instrument or system.  The instrument or system is not exposed to any physical conditions that would be expected to cause a significant degradation of its performance.

A. WARNING:  Before performing any of the steps in this section, turn off the power to the instrument or system.  After performing any of the steps in this section, turn on the power to the instrument or system and check the instrument or system to ensure that it is operating properly.

B. DISCLOSURE:  The following steps should only be performed by trained personnel.  Failure to follow these instructions may result in damage to the instrument or system.

C. CAUTION:  When performing any of the steps in this section, take all necessary precautions to avoid injury.