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## Irnyso 3754734

# Irnyso Replacement Lip Seal Oil Burner Pump Instruction Manual

Model: 3754734 (SP-367) | Brand: Irnyso

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Irnyso Replacement Lip Seal for Oil Burner Pumps. This lip seal (part number SP-367, 3754734) is designed for compatibility with various SUNTEC A and B Series oil burner pumps. Please read these instructions carefully before proceeding with installation to ensure proper function and safety.

## 2. PRODUCT OVERVIEW

The Irnyso Replacement Lip Seal is a critical component designed to prevent oil leakage from the shaft of an oil burner pump. It ensures the efficient and safe operation of your heating system by maintaining proper pressure and preventing contamination.

### Key Features:

- **Dimensions:** 7/8" Diameter x 1/4" Tall x 5/16" Shaft Hole
- **Material:** Durable, oil-resistant material for long-lasting performance.
- **Quantity:** Typically supplied in a 4-pack for convenience.



**Image 2.1:** A set of four Irnyso Replacement Lip Seals, showing their circular shape and central shaft hole. These seals are essential for preventing oil leaks in burner pumps.

### 3. COMPATIBILITY

This lip seal (SP-367, 3754734) is specifically designed to fit SUNTEC A and B Series oil burner pumps. Verify your pump's model number against the lists below to confirm compatibility.

#### Compatible SUNTEC A Series Models:

- A1VA-7112, A1VB-7113, A1VC-7114, A1VD-7741, A1YA-7912
- A2VA-7142, A2VA-7116, A2VB-7117, A2VC-7118, A2YA-7743
- A2YA-7916, A2VD-7119, A2VD-7519, A2VA-3006, A2RA-7710
- A2RA-7712, A2RA-7736, A2RA-7737, A1RA-7738, A2RA-7739
- A2RA-7740, A2RA-7747, A1TD-7149, A1YC-7914, A1YC-7944
- A1YC-7946, A1YD-7154

#### Compatible SUNTEC B Series Models:

- B2YA-3916, B2VA-4006, B1VA-8212, B2VA-8216, B2YA-8916
- B2VA-8241, B2VA-8242, B2VA-8243, B2TA-8245, B2TA-8248
- B2TA-8249, B2TA-8260, B2TA-8850, B2TA-8851, B2TA-8852
- B2TA-8930, B2TC-8262, B2TC-8931



**Image 3.1:** A diagram illustrating the placement of the lip seal within an oil burner pump, which is connected to an oil burner unit. This visual aids in understanding the seal's function and location.

#### 4. INSTALLATION INSTRUCTIONS

**Warning:** Installation of oil burner components should ideally be performed by a qualified technician. Improper installation can lead to oil leaks, equipment damage, or fire hazards. Always disconnect power to the oil burner before beginning any work.

##### Tools Required:

- Screwdriver set
- Wrench set
- Pliers
- Clean rags
- Oil pan or absorbent material

##### Step-by-Step Installation:

1. **Safety First:** Turn off the power supply to the oil burner at the main circuit breaker.

2. **Access the Pump:** Locate the oil burner pump. Depending on your burner model, you may need to remove covers or other components to access the pump.
3. **Drain Oil:** Place an oil pan or absorbent material beneath the pump to catch any residual oil.
4. **Remove Old Seal:** Carefully remove the old lip seal from the pump shaft. This may require a small pick or screwdriver to pry it out. Be careful not to scratch the shaft or pump housing.
5. **Clean Area:** Thoroughly clean the shaft and the seal housing area to remove any oil residue or debris.
6. **Install New Seal:** Gently press the new Irnyso lip seal onto the pump shaft and into its housing. Ensure it is seated squarely and fully. Do not force it, as this can damage the seal. A small amount of clean oil on the seal's inner lip can aid installation.
7. **Reassemble:** Reattach any components or covers that were removed to access the pump.
8. **Restore Power & Test:** Restore power to the oil burner. Start the burner and carefully check for any oil leaks around the newly installed seal. Monitor for a few minutes to ensure proper operation.

## Lip Seal Oil Burner Pump



High quality materials



Easy Installation



Versatile Compatibility

**Image 4.1:** Another view of the four Irnyso Replacement Lip Seals, highlighting their quality, ease of installation, and versatile compatibility with burner pumps.

### 5. OPERATION

Once the lip seal is correctly installed, its function is passive, ensuring the integrity of the oil burner pump. Proper operation is indicated by the absence of oil leaks from the pump shaft area. If any leaks are

observed after installation, immediately shut down the burner and re-inspect the seal installation.

- **Initial Check:** After installation, run the burner for a short period and visually inspect the seal area for any signs of oil leakage.
- **Normal Function:** A properly installed lip seal will maintain a tight seal around the pump shaft, preventing oil from escaping and ensuring consistent pump pressure.

## 6. MAINTENANCE

The lip seal itself requires minimal maintenance beyond proper installation. However, periodic inspection of the oil burner pump and its components is recommended as part of your heating system's overall maintenance schedule.

- **Annual Inspection:** During your annual oil burner service, ask your technician to inspect the pump shaft seal for any signs of wear, cracking, or leakage.
- **Cleanliness:** Keep the area around the oil burner pump clean and free of dust or debris, which can sometimes contribute to seal degradation over time.
- **Early Detection:** Address any minor oil seepage immediately to prevent larger issues and potential damage to the pump or burner.

## 7. TROUBLESHOOTING

If you encounter issues after installing the replacement lip seal, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Oil leak around pump shaft after installation	<ul style="list-style-type: none"><li>• Seal not seated correctly</li><li>• Seal damaged during installation</li><li>• Incorrect seal size/type</li><li>• Pump shaft damaged</li></ul>	<ul style="list-style-type: none"><li>• Shut down burner, re-inspect and reseal the seal.</li><li>• Replace the seal if damaged.</li><li>• Verify compatibility with your pump model.</li><li>• Inspect pump shaft for burrs or damage; consult a technician if damaged.</li></ul>
Burner not firing or inconsistent operation	<ul style="list-style-type: none"><li>• Air in fuel line (after pump work)</li><li>• Other burner component failure</li></ul>	<ul style="list-style-type: none"><li>• Bleed air from the fuel line according to pump manufacturer instructions.</li><li>• This issue is likely unrelated to the lip seal; consult a qualified technician for burner diagnostics.</li></ul>

## 8. SPECIFICATIONS

Specification	Detail
Part Number	SP-367, 3754734
Brand	Irnyso
Outer Diameter	7/8 inches (approx. 22.2 mm)
Height/Thickness	1/4 inches (approx. 6.35 mm)
Shaft Hole Diameter	5/16 inches (approx. 7.94 mm)
Compatibility	SUNTEC A and B Series Oil Burner Pumps
Item Weight	0.317 ounces (for the pack)

## 9. WARRANTY INFORMATION

Irnyso products are manufactured to high-quality standards. This replacement lip seal is covered by the manufacturer's standard warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the product packaging or contact Irnyso customer support. Keep your proof of purchase for warranty claims.

## 10. CUSTOMER SUPPORT

If you have any questions regarding the installation, compatibility, or performance of your Irnyso Replacement Lip Seal, please do not hesitate to contact our customer support team. We are committed to providing assistance and ensuring your satisfaction.

For support, please visit the Irnyso Store on Amazon or refer to the contact information provided with your purchase.

**Irnyso Store Link:** Visit the Irnyso Store