

SKF 17327

SKF Seal 17327 Product Manual

Model: 17327 | Brand: SKF

1. PRODUCT OVERVIEW

The SKF Seal 17327 is an aftermarket replacement part designed for specific automotive applications. This seal is engineered to provide a reliable barrier against fluid leakage and contamination, crucial for the proper functioning and longevity of the component it protects. It is compatible with various Ford models from 1985-2021 and Lincoln models from 1998-2008.

Key Features:

- **Durable Construction:** Manufactured with high-quality materials for long-lasting performance.
- **Precision Fit:** Designed to meet or exceed OEM specifications for a secure and effective seal.
- **Leak Prevention:** Effectively prevents the escape of lubricants and ingress of dirt and moisture.
- **Wide Compatibility:** Suitable for a range of Ford and Lincoln vehicle models.

2. WHAT'S IN THE BOX

Each package of SKF Seal 17327 contains the following:

- 1 x SKF Seal 17327

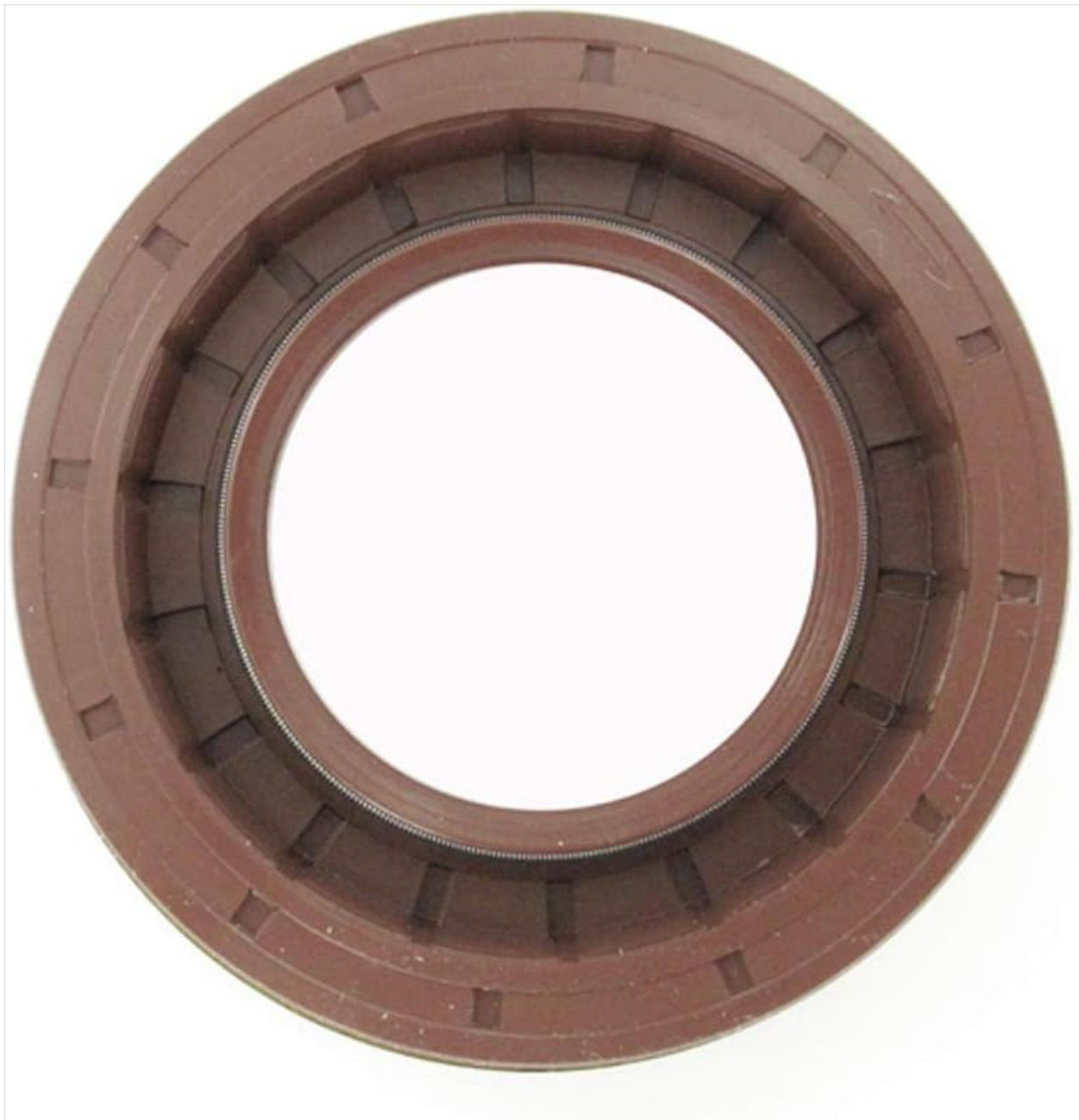


Figure 1: Top view of the SKF Seal 17327, highlighting its circular design and internal components.

3. INSTALLATION GUIDE

The SKF Seal 17327 is an automotive replacement part that requires proper installation to ensure optimal performance and prevent damage. Installation typically involves replacing an existing worn or damaged seal within a specific automotive component, such as a transmission input shaft.

General Installation Considerations:

1. **Safety First:** Always ensure the vehicle is safely supported and the area is clear before beginning any work. Disconnect the battery if necessary.
2. **Identify the Component:** Locate the specific automotive component where the seal needs to be replaced (e.g., transmission, axle).
3. **Disassembly:** Carefully disassemble the surrounding components to gain access to the old seal. This may involve draining fluids, removing covers, or detaching shafts.
4. **Remove Old Seal:** Use appropriate tools to carefully pry out or extract the old seal without damaging the housing or shaft.

5. **Clean Surface:** Thoroughly clean the sealing surface and shaft to remove any old sealant, dirt, or debris. A clean surface is critical for a proper seal.
6. **Lubricate New Seal:** Lightly lubricate the new SKF Seal 17327 with the appropriate fluid (e.g., transmission fluid, gear oil) before installation. This helps prevent damage during installation and ensures initial sealing.
7. **Install New Seal:** Carefully align the new seal and gently tap it into place using a seal driver or a suitable tool that applies even pressure around the seal's circumference. Ensure it is seated squarely and to the correct depth. Avoid hammering directly on the seal's lip.
8. **Reassembly:** Reassemble all components in reverse order of disassembly. Ensure all fasteners are tightened to the manufacturer's specifications.
9. **Fluid Refill/Check:** Refill any drained fluids to the correct level and check for leaks after initial operation.

Note: Due to the specialized nature of automotive repairs, it is highly recommended that installation be performed by a qualified mechanic or an individual with appropriate automotive repair experience and tools. Refer to your vehicle's specific service manual for detailed, model-specific instructions.



Figure 2: Angled view of the SKF Seal 17327, illustrating its design for effective sealing.

4. FUNCTION AND OPERATION

The SKF Seal 17327 functions as a critical component in preventing the leakage of fluids (such as oil or grease) from a rotating or reciprocating shaft, while simultaneously preventing the ingress of contaminants like dirt, dust, and moisture into the system. Its primary role is to maintain the integrity of the lubrication system and protect internal components from environmental damage.

Once properly installed, the seal's lip maintains constant contact with the shaft, creating a dynamic barrier. The material and design of the seal are optimized for the specific operating conditions, including temperature, pressure, and the type of fluid it is designed to contain.



Figure 3: Side profile of the SKF Seal 17327, demonstrating its robust construction.

5. MAINTENANCE

Seals like the SKF Seal 17327 are wear items and do not typically require routine maintenance themselves beyond proper installation. However, regular inspection of the surrounding components can help identify potential issues before they lead to seal failure.

Inspection Guidelines:

- **Visual Checks:** Periodically inspect the area around the seal for any signs of fluid leakage (oil, grease, transmission fluid).
- **Contamination:** Look for signs of dirt, dust, or other contaminants accumulating around the seal, which could indicate a compromised seal.
- **Unusual Noises:** While rare for a seal, unusual noises from the sealed component could indicate a related issue.

If any signs of leakage or damage are observed, the seal should be replaced promptly to prevent further damage to the component or system.

6. TROUBLESHOOTING

Most issues related to the SKF Seal 17327 will manifest as fluid leaks or contamination. Troubleshooting typically involves identifying the source of the leak and confirming the seal as the cause.

Common Issues and Solutions:

Symptom	Possible Cause	Solution
Fluid Leakage around the seal area	Worn or damaged seal Improper installation (e.g., seal not seated correctly, damaged during installation) Damaged shaft or housing surface Incorrect seal type used	Replace the seal. Re-install the seal correctly, ensuring proper seating and avoiding damage. Inspect shaft and housing for damage; repair or replace if necessary. Verify the correct SKF Seal 17327 is being used for the application.

Symptom	Possible Cause	Solution
Contaminants (dirt, water) inside the sealed component	Compromised seal lip Seal not fully seated Excessive shaft runout or vibration	Replace the seal. Ensure proper installation and seating. Inspect the shaft and bearings for excessive play or damage.

If troubleshooting steps do not resolve the issue, it is advisable to consult a professional automotive technician.

7. SPECIFICATIONS


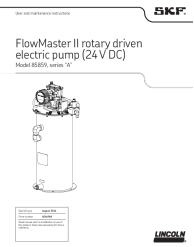




Attribute	Detail
Manufacturer	SKF USA, Inc.
Brand	SKF
Model	SKF Seal 17327
Item Model Number	17327
Item Weight	1.12 ounces
Product Dimensions	3.63 x 3.63 x 0.63 inches
Country of Origin	Taiwan
Exterior	Machined
Manufacturer Part Number	17327
ASIN	B000EPT82W
First Available Date	January 1, 2006

8. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or further inquiries about the SKF Seal 17327, please refer to the official SKF brand resources.

You can visit the official SKF Store for additional product information and support:

Visit the SKF
Store

 <p>Изделия SKF для технического обслуживания и смазочные материалы</p>	<p>SKF Изделия для Технического Обслуживания и Смазочные Материалы</p> <p>Каталог SKF, посвященный изделиям и материалам для технического обслуживания подшипников. Охватывает монтаж, демонтаж, смазывание, выверку и мониторинг состояния для продления срока службы подшипников.</p>
 <p>FlowMaster II rotary driven electric pump (24V DC) Model 85859, version 'X'</p>	<p>SKF FlowMaster II Rotary Driven Electric Pump (24V DC) Model 85859 User and Maintenance Instructions</p> <p>Comprehensive user and maintenance instructions for the SKF FlowMaster II rotary driven electric pump (24V DC), Model 85859. Includes safety information, overview, installation, maintenance, troubleshooting, and system specifications.</p>
 <p>SKF TKBA 40</p>	<p>SKF TKBA 40 Belt Alignment Tool User Manual</p> <p>This user manual provides comprehensive instructions for operating the SKF TKBA 40 Belt Alignment Tool, detailing its technical specifications, application range, troubleshooting, and maintenance procedures.</p>
 <p>SKF @ptitude Observer</p>	<p>SKF @ptitude Observer 13.0 Installation Manual</p> <p>Comprehensive installation guide for SKF @ptitude Observer 13.0 software, detailing system requirements, software and SQL Server Express installation, database setup, monitor service configuration, and network settings for condition monitoring.</p>
 <p>Прибор SKF TKSA 51 для выверки соосности валов</p>	<p>SKF TKSA 51 Shaft Alignment Tool - User Manual and Specifications</p> <p>Comprehensive user manual for the SKF TKSA 51 shaft alignment tool, detailing its features, technical specifications, setup, operation, and maintenance. Learn how to perform precise shaft alignments for industrial machinery.</p>
 <p>SKF Dynamic Motor Analyzer EXP4000</p>	<p>SKF Dynamic Motor Analyzer EXP4000 User Manual</p> <p>User manual for the SKF Dynamic Motor Analyzer EXP4000, detailing its features, intended use, software license agreement, and support information.</p>