

Valeo 827368

# Valeo 827368 Clutch Kit Instruction Manual

Model: 827368

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## 1. INTRODUCTION

This manual provides essential information regarding the Valeo 827368 Clutch Kit. It covers product overview, installation guidelines, operational characteristics, maintenance recommendations, troubleshooting tips, and technical specifications. This kit is designed as a direct replacement for original equipment (OE) clutch systems, ensuring reliable performance and durability.



Overview of the Valeo 827368 Clutch Kit components, including the pressure plate, clutch disc, and release bearing.

## 2. INSTALLATION GUIDELINES

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Installation of the Valeo 827368 Clutch Kit requires specialized tools and expertise. It is strongly recommended that installation be performed by a qualified automotive technician. Improper installation can lead to premature wear, component damage, or unsafe vehicle operation.

### 2.1 Pre-Installation Checks

- Inspect the flywheel for hot spots, cracks, or excessive wear. Resurface or replace if necessary.
- Check the pilot bearing/bushing for smooth rotation and proper fit. Replace if worn.
- Inspect the transmission input shaft for spline wear or damage.
- Clean all mating surfaces on the engine block, transmission bell housing, and flywheel to ensure proper seating.
- Ensure all new components are free from damage or defects before installation.

### 2.2 Installation Procedure (General)

1. Safely remove the transmission and old clutch components according to vehicle-specific service manual

procedures.

2. Install the new pilot bearing/bushing into the crankshaft.
3. Mount the flywheel (if removed or replaced) and torque bolts to manufacturer specifications.
4. Using a clutch alignment tool, position the new clutch disc and pressure plate onto the flywheel.
5. Install the pressure plate bolts and tighten them evenly in a star pattern to the specified torque. Remove the alignment tool.
6. Install the new clutch release bearing (throw-out bearing) onto the transmission input shaft or fork. Lubricate contact points as recommended.
7. Carefully re-install the transmission, ensuring the input shaft engages smoothly with the clutch disc splines. Do not force the transmission into place.
8. Reconnect all associated components (starter, driveshaft, hydraulic lines, etc.) and refill transmission fluid if drained.
9. Perform a functional check of the clutch system before driving.



Close-up view of the clutch release bearing, a critical component for smooth clutch operation.



Alternative angle of the clutch release bearing, showing its structural details and mounting clips.

### 3. OPERATING CHARACTERISTICS

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The Valeo 827368 Clutch Kit is designed to provide smooth engagement and efficient power transfer from the engine to the transmission. Proper clutch operation is essential for vehicle performance, fuel efficiency, and longevity of drivetrain components.

#### 3.1 Normal Operation

A properly functioning clutch should engage smoothly and progressively when the pedal is released, without any noticeable slipping, chattering, or harsh engagement. The clutch pedal should have a consistent feel throughout its travel and return fully to its resting position. Shifting gears should be smooth and effortless, without grinding.

#### 3.2 Signs of Wear

- **Slipping:** Engine RPM increases but vehicle speed does not, especially under acceleration or uphill. This indicates the clutch disc is not fully engaging.
- **Chattering/Shuddering:** A vibration or shaking sensation during clutch engagement, often indicating uneven wear or contamination.
- **Hard Pedal:** Excessive force required to depress the clutch pedal, which could indicate issues with the pressure plate, release bearing, or hydraulic system.
- **Grinding Noises:** Sounds during shifting, particularly when engaging gears, may indicate incomplete clutch

disengagement or worn synchronizers.

- **Burning Smell:** A distinct burning odor, especially after heavy use, is a strong indicator of clutch overheating due to excessive slipping.

## 4. MAINTENANCE AND CARE

While the clutch kit itself is a wear item designed for a specific lifespan, proper driving habits can significantly extend its operational life and maintain optimal performance.

- **Avoid Riding the Clutch:** Do not keep your foot on the clutch pedal while driving, as this causes partial engagement and premature wear.
- **Proper Shifting:** Fully depress the clutch pedal when shifting gears and release it smoothly and completely after engagement. Avoid aggressive or jerky shifts.
- **Neutral at Stops:** When stopped for more than a few seconds, shift into neutral and release the clutch pedal to reduce wear on the release bearing and pressure plate.
- **Avoid Overloading:** Do not exceed the vehicle's towing or payload capacity, as this puts excessive strain on the clutch.
- **Regular Inspections:** If accessible, periodically check for fluid leaks (for hydraulic systems) and proper pedal free play.

## 5. TROUBLESHOOTING COMMON ISSUES

This section outlines common clutch-related symptoms, their possible causes, and recommended actions. Always consult a qualified technician for diagnosis and repair.

Problem	Possible Cause	Solution
Clutch Slipping	Worn clutch disc, oil/grease on friction surfaces, weak pressure plate, improper pedal adjustment.	Inspect and replace worn components. Check for leaks and clean surfaces. Adjust pedal free play.
Clutch Chatter/Shudder	Contaminated friction surfaces, warped flywheel, worn engine/transmission mounts, worn clutch components.	Inspect and clean/replace affected parts. Check mounts. Professional diagnosis recommended.
Hard Clutch Pedal	Worn pressure plate, seized release bearing, stiff clutch cable, hydraulic system issues (air in line, faulty master/slave cylinder).	Inspect and replace worn mechanical components. Bleed hydraulic system or replace hydraulic components.
Grinding Gears	Incomplete clutch disengagement, worn pilot bearing, worn synchronizers in transmission, low transmission fluid.	Check pedal adjustment. Inspect pilot bearing. Check transmission fluid level and condition. Professional transmission inspection.





Detailed view of the clutch pressure plate, responsible for clamping the clutch disc against the flywheel.



The clutch disc, showing the friction material and splined hub for power transmission.

## 6. TECHNICAL SPECIFICATIONS

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The following specifications apply to the Valeo 827368 Clutch Kit:

Attribute	Value
Manufacturer	Valeo
Brand	Valeo
Item Weight	16.5 pounds
Product Dimensions	3.19 x 12.76 x 13.82 inches
Item Model Number	827368
Manufacturer Part Number	827368
OEM Part Number	VOLVO%85000314, VOLVO%85000567
ASIN	B074L7TTDM
Date First Available	January 12, 2018





Another perspective of the clutch disc, highlighting its construction and friction surface.



An assembled view of multiple components of the Valeo clutch kit, demonstrating the complete set.

## 7. WARRANTY AND SUPPORT

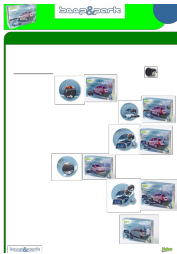



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For detailed warranty information, technical assistance, or to inquire about specific applications, please refer to the official Valeo website or contact their customer service directly. It is advisable to retain your purchase receipt as

proof of purchase for any warranty claims.  
You can visit the official Valeo store for more information:[Valeo Store on Amazon](#)

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Related Documents

	<p><a href="#">Valeo beep&amp;park Parking Assistance System User Guide</a></p> <p>Comprehensive user guide for the Valeo beep&amp;park parking assistance system, detailing product descriptions, kit configurations, utilization, alert activation, sensor diagnostics, and recommendations for safe and effective use.</p>
	<p><a href="#">Valeo Fitness Wristbands for Weightlifting Support</a></p> <p>Durable and supportive wristbands from Valeo Fitness, designed to enhance stability and prevent injury during weightlifting and other strenuous exercises. Features adjustable closure for a secure fit.</p>
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