

Valeo 837322

VALEO 837322 Clutch Kit and Flywheel Installation Manual

INTRODUCTION

This manual provides essential information regarding the VALEO 837322 Clutch Kit and Flywheel. It covers product overview, compatibility, safety guidelines, installation procedures, maintenance tips, and technical specifications. This kit is designed for specific vehicle applications and should be installed by qualified professionals.

PRODUCT OVERVIEW

The VALEO 837322 kit is a comprehensive solution for replacing the clutch and flywheel system in compatible vehicles. It includes a clutch disc, a pressure plate, a dual-mass flywheel, and a hydraulic release bearing. These components work together to transmit power from the engine to the transmission, allowing for smooth gear changes.



Image: The VALEO 837322 Clutch Kit includes a clutch pressure plate (top left), a dual-mass flywheel (top right), a clutch disc (bottom center), and a hydraulic release bearing (bottom right). These components are crucial for the vehicle's drivetrain system.

VEHICLE COMPATIBILITY

This VALEO 837322 Clutch Kit and Flywheel is compatible with the following vehicle models:

- Citroën C4 Picasso 1.6 HDi 110 (2007 - 2013) 82kW
- Citroën C4 Grand Picasso 1.6 HDi 110 (2006 -) 82kW
- Peugeot 3008 Monospace 1.6 HDi (2009 -) 82kW
- Peugeot 5008 Monospace 1.6 HDi (2009 -) 82kW
- Citroën C5 Sedan 1.6 HDi 110 (2008 -) 82kW
- Citroën C5 Estate 1.6 HDi 110 (2008 -) 82kW
- Peugeot 508 SW 1.6 HDi (2010 -) 84kW
- Peugeot 508 Sedan 1.6 HDi (2010 -) 84kW
- Peugeot 508 Sedan 1.6 HDi (2010 -) 82kW
- Peugeot 508 SW 1.6 HDi (2010 -) 82kW

Equivalent Manufacturer Part Numbers:

PEUGEOT: 0532-W4, 532W4

CITROËN: 0532-W4, 532W4

LuK: 600 0143 00, 600014300

SACHS: 2290601089, 2290 601 089

Always verify compatibility with your specific vehicle using the manufacturer's part search tool or by consulting a qualified mechanic.

SAFETY INFORMATION

WARNING: Automotive repairs can be dangerous. Always follow proper safety procedures and use appropriate tools. Professional installation is highly recommended for this product.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning any work.
- Disconnect the vehicle's battery before working on electrical components.
- Refer to the vehicle manufacturer's service manual for specific torque specifications and procedures.
- Handle components carefully to avoid damage or injury.

INSTALLATION (SETUP)

Installation of the VALEO 837322 Clutch Kit and Flywheel requires specialized tools and expertise. The following is a general outline; always consult a professional service manual for your specific vehicle model.

1. **Preparation:** Safely lift and support the vehicle. Remove necessary components to access the transmission (e.g., wheels, axles, subframe, exhaust).
2. **Transmission Removal:** Disconnect the transmission from the engine and carefully remove it from the vehicle.
3. **Old Component Removal:** Remove the old clutch pressure plate, clutch disc, and flywheel from the engine. Inspect the crankshaft seal and pilot bearing for wear and replace if necessary.

4. **New Flywheel Installation:** Install the new VALEO dual-mass flywheel, ensuring proper alignment and torqueing to manufacturer specifications.
5. **Clutch Assembly Installation:** Install the new VALEO clutch disc and pressure plate. Use a clutch alignment tool to center the clutch disc correctly. Torque the pressure plate bolts to specifications.
6. **Hydraulic Release Bearing:** Install the new hydraulic release bearing. Ensure proper connection of hydraulic lines and bleed the system if required.
7. **Reassembly:** Reinstall the transmission, ensuring proper engagement with the engine and clutch assembly. Reassemble all removed components in reverse order.
8. **Fluid Check:** Check and refill transmission fluid and bleed the clutch hydraulic system as per vehicle manufacturer guidelines.
9. **Test Drive:** Perform a test drive to ensure proper clutch operation and smooth gear engagement.

Improper installation can lead to premature component failure, vehicle damage, or serious injury. It is strongly recommended that this procedure be performed by a certified automotive technician.

OPERATION

Once installed, the VALEO 837322 Clutch Kit and Flywheel operates as an integral part of your vehicle's manual transmission system. Proper operation involves smooth and controlled engagement and disengagement of the clutch pedal. Avoid aggressive clutch engagement or prolonged slipping, as this can reduce the lifespan of the components.

- **Clutch Engagement:** Press the clutch pedal fully to the floor to disengage the clutch for gear changes.
- **Smooth Release:** Release the clutch pedal smoothly and gradually to engage the clutch, especially when starting from a stop.
- **Avoid Riding the Clutch:** Do not rest your foot on the clutch pedal while driving, as this can cause premature wear.

MAINTENANCE

The VALEO 837322 Clutch Kit and Flywheel is designed for durability. Regular maintenance of the overall vehicle, particularly the transmission and hydraulic clutch system, contributes to its longevity.

- **Hydraulic Fluid:** Periodically check the clutch hydraulic fluid level and condition. Replace fluid according to vehicle manufacturer recommendations.
- **Driving Habits:** Adopt smooth driving habits to minimize wear on clutch components.
- **Inspection:** During other vehicle services, have the clutch system inspected for any signs of wear or leaks.

TROUBLESHOOTING

If you experience issues with your clutch system after installation, consider the following common problems:

| Symptom | Possible Cause | Action |
|---|---|--|
| Clutch Slipping: Engine RPM increases without corresponding increase in vehicle speed. | Worn clutch disc, oil contamination, improper installation, hydraulic system issue. | Inspect clutch components, check for leaks, verify hydraulic system. Professional diagnosis recommended. |

| Symptom | Possible Cause | Action |
|--|---|---|
| Difficulty Shifting Gears: Grinding or hard to engage gears. | Clutch not fully disengaging, hydraulic system issue (air in lines, low fluid), worn synchronizers. | Check hydraulic fluid, bleed clutch system, inspect for proper clutch pedal adjustment. |
| Clutch Pedal Pulsation/Vibration: Pedal vibrates when pressed. | Warped flywheel, worn pressure plate, uneven clutch disc wear. | Professional inspection of flywheel and clutch assembly. |
| Unusual Noises: Squealing, grinding, or chattering sounds from the clutch area. | Worn release bearing, pilot bearing, clutch disc springs, or flywheel issues. | Professional diagnosis to identify the source of the noise. |

For persistent issues, consult a certified automotive technician. Attempting complex repairs without proper knowledge and tools can lead to further damage.

SPECIFICATIONS

Brand: Valeo

Model Number: 837322

Manufacturer Part Number: V837325

Item Weight: 2 Kilograms

Product Dimensions (L x W x H): 3.86 x 38 x 18.5 cm

Additional Information:

- Includes clutch disc
- Includes dual-mass flywheel
- Includes hydraulic release bearing
- Includes clutch mechanism (pressure plate)
- Designed for engines with dual-mass flywheel

OEM Equivalent Part Numbers:

- Citroen: 0532W4, 532W4
- Peugeot: 0532W4, 532W4
- LuK: 600 0143 00
- SACHS: 2290 601 089

WARRANTY AND SUPPORT

For warranty information or technical support regarding your VALEO 837322 Clutch Kit and Flywheel, please refer to the documentation provided with your purchase or contact VALEO customer service directly. Keep your proof of purchase for any warranty claims.

Manufacturer: VALEO

Website: www.valeo.com

