

A2711502733

Generic Camshaft Adjuster Wiring Harness Installation Manual

Model: A2711502733

1. INTRODUCTION

This manual provides essential information for the safe and correct installation and maintenance of the Generic Camshaft Adjuster Wiring Harness. This product is designed as a direct replacement for the original equipment manufacturer (OEM) part, ensuring precise fitment and optimal performance in compatible Mercedes-Benz vehicles. It replaces OEM part numbers including A2711502733.

2. SAFETY INFORMATION

Warning: Automotive repairs can be dangerous. Always follow proper safety procedures. Disconnect the vehicle's battery before beginning any electrical work. Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves. If you are unsure about any step, consult a qualified mechanic.

- Ensure the vehicle is turned off and the ignition key is removed.
- Disconnect the negative terminal of the vehicle's battery to prevent electrical shorts.
- Allow the engine to cool down if it has been recently operated.
- Keep tools and hands clear of moving engine parts.

3. PACKAGE CONTENTS

Please verify that all items are present and undamaged before proceeding with installation.

- Camshaft Adjuster Wiring Harness (2 units)
- Cable Ties (4 units)



Image 3.1: Contents of the package, showing two wiring harnesses and four cable ties.

4. SPECIFICATIONS

Brand	Generic
Model Number	A2711502733 (OEM Equivalent)
Material	Copper (conductor core), PVC or PE (insulation/jacket)
Compatibility	Mercedes-Benz W203 C-Class, W204 C-Class, C209 CLK, W211 E-Class, W212 E-Class, R171 SLK, 906 Sprinter

5. COMPATIBILITY

This camshaft adjuster wiring harness is compatible with various Mercedes-Benz models. Please ensure your vehicle's model and year match the following list or cross-reference with the OEM part number A2711502733.

- Mercedes-Benz W203 C-Class
- Mercedes-Benz W204 C-Class
- Mercedes-Benz C209 CLK
- Mercedes-Benz W211 E-Class
- Mercedes-Benz W212 E-Class
- Mercedes-Benz R171 SLK
- Mercedes-Benz 906 Sprinter

6. INSTALLATION INSTRUCTIONS (SETUP)

This wiring harness is designed for direct replacement and features a plug-and-play installation. However, professional installation is recommended.

1. **Prepare the Vehicle:** Ensure the vehicle is parked on a level surface, the engine is off and cool, and the parking brake is engaged. Disconnect the negative terminal of the vehicle's battery.
2. **Locate the Camshaft Adjuster:** Identify the camshaft adjuster(s) on your engine. Refer to your vehicle's service manual for exact locations.
3. **Disconnect Old Harness:** Carefully disconnect the existing wiring harness from the camshaft adjuster. This usually involves pressing a release tab and pulling the connector. Inspect the old harness for signs of damage or corrosion.



Image 6.1: Detail of a wiring harness connector, showing the locking mechanism.

4. **Connect New Harness:** Take the new Generic Camshaft Adjuster Wiring Harness. Align the connector with the camshaft adjuster's port and push firmly until it clicks into place. Ensure a secure connection.



Image 6.2: The two camshaft adjuster wiring harnesses, illustrating their design for direct replacement.

5. **Secure Wiring:** Route the new wiring harness along the original path, ensuring it is clear of hot or moving engine components. Use the provided cable ties to secure the harness in place, preventing chafing or accidental disconnection.
6. **Reconnect Battery:** Once both harnesses (if applicable) are securely installed and routed, reconnect the negative terminal of the vehicle's battery.
7. **Test Functionality:** Start the engine and check for any warning lights or abnormal engine behavior. If issues persist, refer to the troubleshooting section.

7. OPERATING AND POST-INSTALLATION CHECKS

After installation, the wiring harness operates as an integral part of your vehicle's engine management system. No specific user operation is required beyond ensuring proper installation.

- Monitor the vehicle's dashboard for any engine warning lights (Check Engine Light).
- Listen for any unusual engine noises.
- Ensure smooth engine operation during various driving conditions.

8. MAINTENANCE

The camshaft adjuster wiring harness is designed for long-term durability and typically requires no routine maintenance. However, periodic visual inspection is recommended:

- **Visual Inspection:** During routine engine checks, visually inspect the harness for any signs of wear, fraying, cracks in the insulation, or corrosion on the connectors.
- **Secure Connections:** Ensure the connectors remain firmly seated.

- **Cleanliness:** Keep the area around the harness free from excessive dirt, oil, or debris.

9. TROUBLESHOOTING

If you encounter issues after installing the new wiring harness, consider the following troubleshooting steps:

- **Engine Warning Light:** If the Check Engine Light illuminates, use an OBD-II scanner to retrieve diagnostic trouble codes (DTCs). This can help pinpoint the exact issue.
- **Loose Connection:** Re-check all connections to ensure they are fully seated and locked. A loose connection is a common cause of electrical issues.
- **Damaged Harness:** Carefully inspect the new harness for any damage that might have occurred during installation.
- **Other Components:** If the issue persists, the problem might lie with other components in the camshaft adjuster system or the engine itself, not the wiring harness. Consult a professional mechanic for further diagnosis.

10. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the retailer or manufacturer's official website where the product was purchased. Keep your proof of purchase for warranty claims.

