Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

World American 6-4-5841R

World American 6-4-5841R End Yoke Instruction Manual

Model: 6-4-5841R

1. Introduction

This manual provides essential information for the proper handling, installation, and maintenance of the World American 6-4-5841R End Yoke. Adherence to these instructions is crucial for ensuring the longevity and optimal performance of the component and the overall drivetrain system. Please read this manual thoroughly before installation or service.

2. Product Overview

The World American 6-4-5841R End Yoke is a critical component in heavy-duty drivetrain systems, designed to connect the driveshaft to the differential or transmission. Manufactured by World American, a division of Midwest Truck & Auto Parts, Inc., this end yoke is built to meet rigorous industry standards.

Key Features:

- New product construction, no remanufactured parts.
- Manufactured under ISO 9001:2008 Certification standards.
- Designed for heavy-duty aftermarket applications.



Figure 1: Side view of the World American 6-4-5841R End Yoke. This image displays the robust construction and the general shape of the end yoke, highlighting the connection points for the driveshaft and the splined shaft.

3. Installation Guidelines

Proper installation is paramount for the safe and effective operation of the end yoke. It is highly recommended that installation be performed by a qualified technician with experience in heavy-duty drivetrain components.

3.1 Pre-Installation Checks:

1. Verify that the new end yoke (Model 6-4-5841R) matches the specifications of the component being replaced.
2. Inspect the new end yoke for any signs of damage during shipping. Do not install if damage is observed.
3. Ensure all mating surfaces on the differential/transmission and driveshaft are clean and free of debris, rust, or old gasket material.
4. Confirm the availability of all necessary tools, including torque wrenches, sockets, and appropriate lubricants.

3.2 Installation Steps (General):

1. Safely lift and support the vehicle according to manufacturer guidelines.
2. Remove the existing end yoke, carefully noting the orientation and any shims or spacers.
3. Apply a thin layer of appropriate lubricant to the splines of the new end yoke and the mating shaft.
4. Carefully slide the new end yoke onto the splined shaft, ensuring proper alignment.
5. Install the retaining nut or bolts, tightening them to the vehicle manufacturer's specified torque values. Refer to the vehicle service manual for exact specifications.

6. Connect the driveshaft to the end yoke, ensuring universal joint caps are properly seated and retaining straps/bolts are torqued correctly.
7. Perform a final inspection to ensure all fasteners are secure and there is no binding or excessive play.



Figure 2: View of the splined bore of the World American 6-4-5841R End Yoke. This image illustrates the internal splines designed for secure engagement with the transmission or differential output shaft.

4. Operation and Function

The end yoke serves as a crucial link in the vehicle's drivetrain, transmitting rotational power from the transmission or differential to the driveshaft. Its robust design ensures efficient power transfer and withstands the dynamic forces experienced during vehicle operation. Proper installation and maintenance are key to its reliable function.
Once installed, the end yoke operates continuously as part of the drivetrain. No specific user interaction is required beyond ensuring its correct initial installation and periodic inspection as part of routine vehicle maintenance.

5. Maintenance

Regular inspection and maintenance of drivetrain components, including the end yoke, are essential for preventing premature wear and ensuring safe operation.

Recommended Maintenance:

- **Visual Inspection:** Periodically inspect the end yoke for signs of wear, cracks, corrosion, or damage. Check for any looseness in the driveshaft connection or at the differential/transmission interface.
- **Universal Joint Inspection:** The universal joint connected to the end yoke should be inspected for play, wear, and proper lubrication (if applicable). Replace universal joints as needed.

- **Fastener Torque:** Over time, fasteners can loosen. Check the torque of the end yoke retaining nut/bolts and driveshaft connection bolts according to vehicle manufacturer specifications during routine service intervals.
- **Lubrication:** If the end yoke or mating components have grease fittings, ensure they are properly lubricated with the recommended grease at specified intervals.

6. Troubleshooting

While the end yoke itself is a robust component, issues in the drivetrain can sometimes manifest as symptoms that might seem related to the yoke. Always consult a qualified technician for diagnosis and repair.

Common Drivetrain Symptoms and Potential Causes:

Symptom	Potential Cause (Drivetrain Related)
Vibration during acceleration	Worn universal joints, unbalanced driveshaft, loose end yoke.
Clunking or banging noise	Excessive play in universal joints, loose end yoke, worn differential components.
Fluid leaks around yoke seal	Damaged output shaft seal, worn yoke surface, improper installation.

If any of these symptoms are observed, it is recommended to have the vehicle inspected by a professional mechanic immediately to prevent further damage to the drivetrain.

7. Specifications

The following specifications apply to the World American 6-4-5841R End Yoke:

- **Manufacturer:** World American
- **Brand:** World American
- **Item Model Number:** 6-4-5841R
- **Manufacturer Part Number:** 6-4-5841R
- **OEM Part Number:** 1439577
- **Item Weight:** 12.65 pounds
- **Product Dimensions:** 6.8 x 8 x 5.2 inches
- **ASIN:** B00IVQKCFI

8. Warranty and Support

8.1 Warranty Information:

The World American 6-4-5841R End Yoke comes with a warranty of**6 months or 50,000 miles**, whichever occurs first. This warranty covers manufacturing defects and ensures the product meets quality standards. Please retain your proof of purchase for warranty claims.

8.2 Customer Support:

For technical assistance, warranty claims, or further inquiries regarding the World American 6-4-5841R End Yoke, please contact World American customer support. You can find contact information on the official World American website or through your authorized dealer. For more information about World American products, visit the World American Store.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B00IVQKCFI

More documents and user manuals: **https://manuals.plus/**