

OTC 6575

OTC 6575 Hub Grappler Kit User Manual

Model: 6575

Brand: OTC

PRODUCT OVERVIEW

The OTC 6575 Hub Grappler Kit is engineered for efficient servicing of wheel hubs and bearings directly on the vehicle. This design eliminates the need to remove steering components or the knuckle, significantly reducing service time and avoiding the necessity for wheel alignments or a shop press. The puller is specifically designed to apply maximum force with minimal effort from an impact gun to also minimize service time. The jaws are designed and sized to properly fit hub applications and can be quickly located on the puller bar without the use of fasteners. The 3/4-inch custom drive screw coupled with the special equalizer washer provides smooth operation while the proprietary heat treating extends its life 5-10 times longer than similar designs. Six adapters increase application coverage. Also includes tie rod/ball joint tool and two Ford axle installers. A rugged blow-molded carrying case keeps tools organized and protected when not in use.

KEY FEATURES

- Complete solution for servicing wheel hubs and bearings on the vehicle without removing steering components or knuckle.
- Eliminates unnecessary alignments or the use of a shop press, cutting service time dramatically.
- Jaws are designed and sized to properly fit hub applications and can be quickly located on the puller bar without the need for fasteners.
- 3/4 inch custom drive screw coupled with the special equalizer washer ensures smooth operation while proprietary heat treating provides 5 to 10 times longer life than similar designs.
- Six adapters increase application coverage.
- Includes tie rod/ball joint tool and two Ford axle installers.
- Rugged blow molded carrying case keeps tools organized and protected.
- Comprehensive application guide provides quick reference and eliminates guesswork.

COMPONENTS AND SETUP

The OTC 6575 Hub Grappler Kit comes with a variety of specialized tools designed for specific tasks in hub and bearing service. Below is an overview of the kit's contents and a diagram for identifying each part.



Figure 1: Complete OTC 6575 Hub Grappler Kit with all components displayed.



Figure 2: The durable blow-molded carrying case for the Hub Grappler Kit, ensuring secure storage and transport.

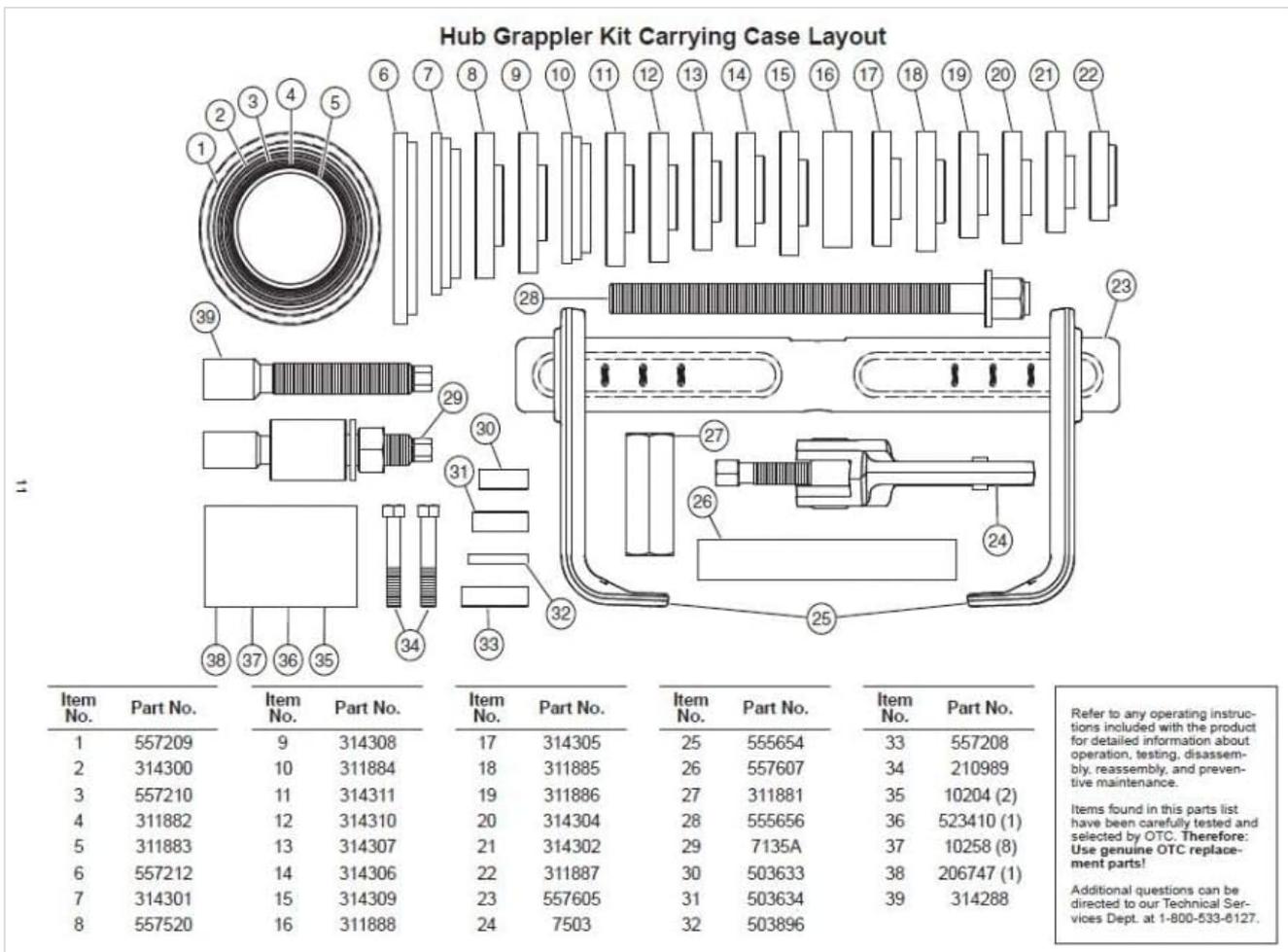


Figure 3: Detailed diagram of the Hub Grappler Kit's internal layout, with each component numbered for easy identification and organization.

OPERATING INSTRUCTIONS

Always refer to the included application guide for specific vehicle procedures and safety precautions. Ensure all components are clean and properly lubricated before use. Wear appropriate personal protective equipment, including safety goggles and gloves.

Hub and Bearing Removal/Installation Demonstration

The following video provides a visual guide on how to effectively use the OTC 6575 Hub Grappler Kit for both removing and installing wheel hubs and bearings directly on the vehicle. This demonstration highlights the key steps and proper tool usage to ensure a successful and efficient repair.

Video 1: Demonstration of the OTC Hub Grappler 6575 in action, showcasing its capabilities for on-vehicle hub and bearing service.

General Procedure (Consult Application Guide for Details)

1. **Preparation:** Secure the vehicle on a lift or jack stands. Remove the wheel, brake caliper, rotor, and any other components obstructing access to the hub and bearing assembly.
2. **Tool Assembly:** Select the appropriate adapters and components from the kit based on your vehicle's specifications, as indicated in the application guide. Assemble the Hub Grappler frame and drive screw.
3. **Positioning:** Position the grappler jaws around the hub, ensuring they are securely seated. The design allows for quick adjustment without additional fasteners.
4. **Removal:** Use an impact gun on the drive screw to apply force. The tool is designed to apply maximum force

efficiently, breaking loose and pressing out the hub and bearing assembly.

5. **Bearing Installation:** Once the old bearing is removed, clean the knuckle bore thoroughly. Select the correct installation adapters. Position the new bearing and use the drive screw to press it into place, ensuring even pressure on the outer race.
6. **Hub Installation:** Install the hub into the new bearing, again using the appropriate adapters and the drive screw to press it in. Ensure proper alignment.
7. **Reassembly:** Reinstall all removed vehicle components in reverse order. Torque all fasteners to manufacturer specifications.

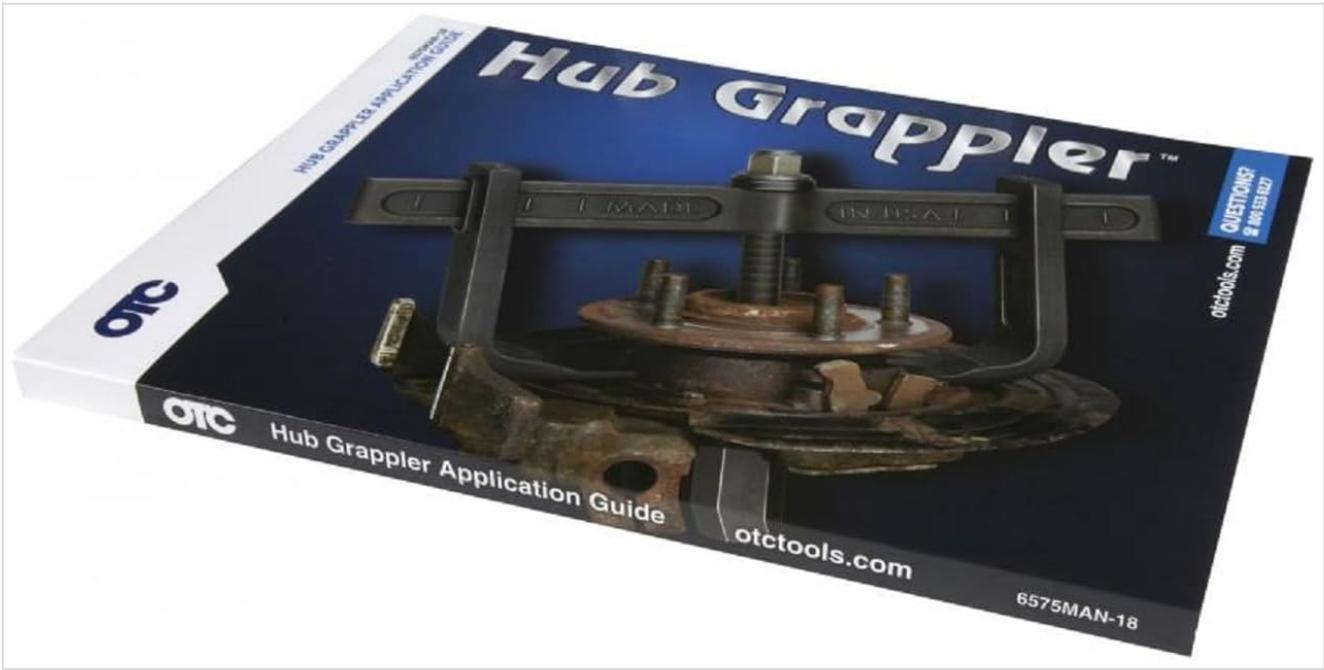


Figure 4: The comprehensive Hub Grappler Application Guide, essential for specific vehicle procedures and tool selection.

MAINTENANCE

To ensure the longevity and optimal performance of your OTC 6575 Hub Grappler Kit, regular maintenance is crucial:

- **Cleaning:** After each use, wipe down all components with a clean cloth to remove dirt, grease, and debris.
- **Lubrication:** Periodically apply a light coat of machine oil or grease to the drive screw threads and other moving parts to ensure smooth operation and prevent corrosion.
- **Inspection:** Regularly inspect all components for signs of wear, damage, or deformation. Pay close attention to the drive screw, jaws, and adapters. Replace any damaged parts immediately.
- **Storage:** Store the kit in its original blow-molded carrying case in a dry, clean environment to protect it from moisture and physical damage.

TROUBLESHOOTING

If you encounter issues while using the Hub Grappler Kit, consider the following common troubleshooting steps:

- **Difficulty in Removal/Installation:** Ensure the correct adapters are selected for your specific vehicle and application. Verify that the tool is properly aligned and seated. Apply adequate lubrication to the drive screw.
- **Tool Slipping:** Check that the jaws are securely gripping the hub or knuckle. Ensure there is no excessive grease or oil on the contact surfaces that could cause slippage.

- **Excessive Force Required:** Confirm that the drive screw is well-lubricated. If the component is extremely seized, allow penetrating oil to soak for an extended period before attempting removal again. Do not exceed the tool's intended force limits.
- **Damaged Components:** If any part of the kit appears damaged or worn, discontinue use immediately and replace the affected component. Using damaged tools can lead to injury or further damage to vehicle components.

SPECIFICATIONS

| Attribute | Value |
|--------------------------|---------------------------|
| Manufacturer | OTC |
| Brand | OTC |
| Model | 6575 |
| Item Weight | 0.869 ounces |
| Product Dimensions | 26.25 x 7.5 x 15.5 inches |
| Country of Origin | China |
| Item Model Number | 6575 |
| Manufacturer Part Number | 6575 |
| Included Components | Unit, Instruction Guide |
| UPC | 731413560156 |

WARRANTY AND SUPPORT

OTC is committed to providing high-quality tools and equipment. For specific warranty information regarding your OTC 6575 Hub Grappler Kit, please refer to the documentation included with your product or visit the official OTC website. The product is typically backed by a manufacturer's warranty covering defects in materials and workmanship.

For technical assistance, parts inquiries, or support, please contact OTC customer service. The comprehensive application guide included with your kit is also an invaluable resource for detailed instructions and vehicle-specific information.

This product is eligible for 30-day easy returns through Amazon.com and benefits from dedicated customer support.