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Toro 107-3709

Toro OEM Rear Wheel Gear Assemblies (Part 107-3709) Instruction Manual

For Super Recycler Push Lawn Mowers

1. PRODUCT OVERVIEW

This manual provides instructions for the installation and maintenance of the Toro OEM Rear Wheel Gear Assemblies, part number 107-3709. These assemblies are designed for specific Toro Super Recycler Push Lawn Mower models to restore drive function and mobility.

Key Features:

- Set of 2 genuine rear drive wheels (Part 107-3709).
- Designed for specific Toro Super Recycler models.

Compatible Models:

These rear wheel gear assemblies are compatible with the following Toro Super Recycler Lawn Mower models:

- 20384, 20383, 20382, 20381, 20380
- 20099, 20095, 20095C, 20093, 20093C
- 20092, 20092C, 20091, 20091C
- 20062, 20058, 20057, 20056, 20055, 20054

2. SAFETY INFORMATION

Always prioritize safety when performing maintenance or repairs on your lawn mower. Failure to follow safety instructions can result in serious injury.

- **Disconnect Spark Plug:** Before beginning any work, always disconnect the spark plug wire to prevent accidental engine starting.
- **Wear Protective Gear:** Use appropriate personal protective equipment, including gloves and eye

protection.

- **Stable Surface:** Ensure the lawn mower is on a flat, stable surface and properly supported to prevent it from tipping.
- **Read Mower Manual:** Refer to your specific lawn mower's owner's manual for additional safety precautions and detailed instructions.

3. SPECIFICATIONS

The following specifications apply to the Toro OEM Rear Wheel Gear Assemblies (Part 107-3709):

Specification	Value
Part Number	107-3709
Brand	Toro
Wheel Size	8 Inches (Diameter)
Material	Metal
Color	Gray
Item Weight	2.13 Kilograms (per assembly)
Unit Count	2.0 Count (per set)



Figure 3.1: Side view of the wheel assembly, indicating a 2-inch width and 8-inch diameter.

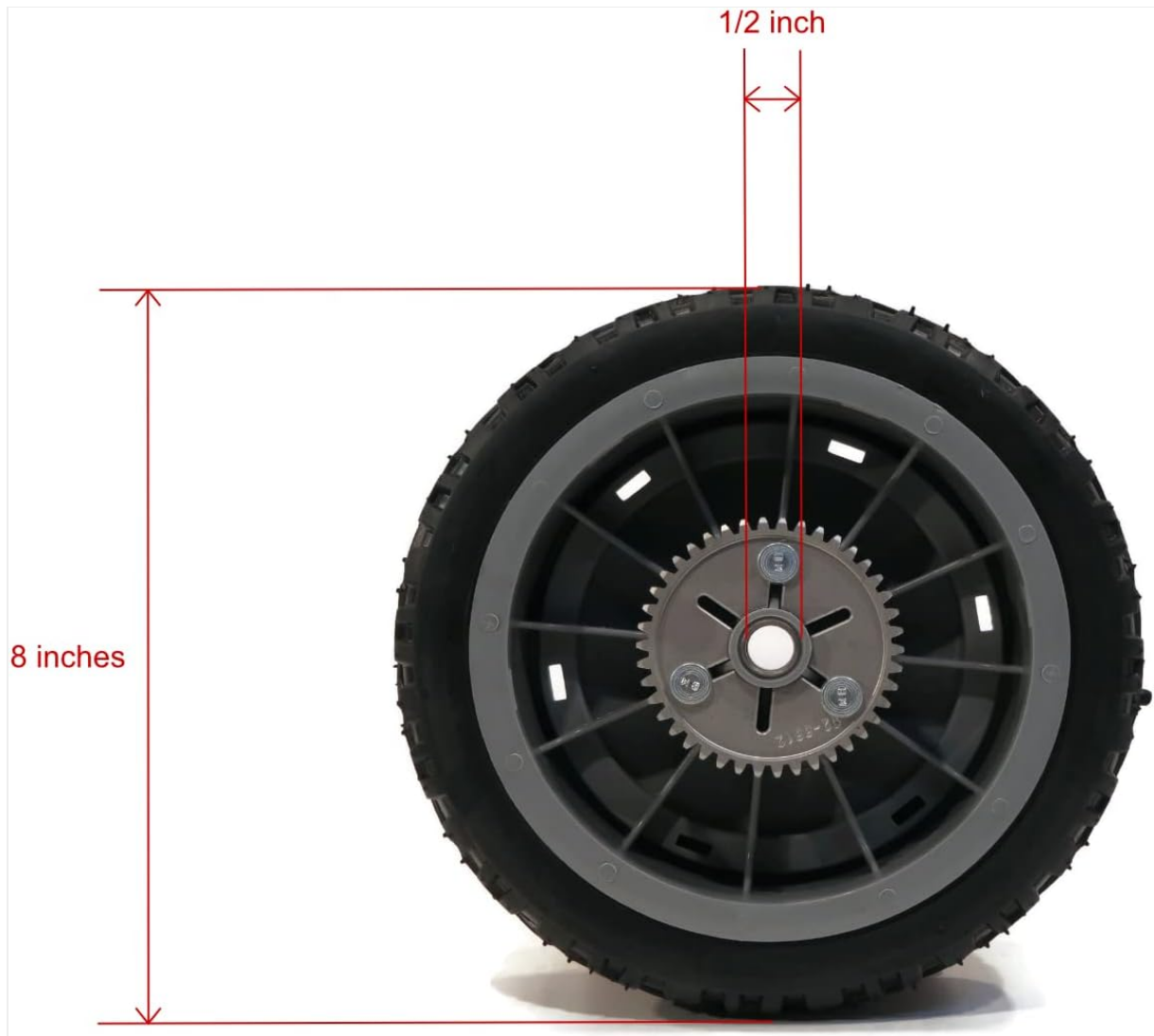


Figure 3.2: Front view of the wheel assembly, showing an 8-inch diameter and 1/2-inch axle offset, with the gear visible.

4. INSTALLATION INSTRUCTIONS

Follow these steps to replace the rear wheel gear assemblies on your Toro Super Recycler Push Lawn Mower.

Tools Required:

- Wrench set (appropriate sizes for axle nuts)
- Pry bar or large screwdriver (optional, for stubborn wheels)
- Work gloves
- Safety glasses

Step-by-Step Guide:

1. **Prepare the Mower:** Ensure the engine is off and cool. Disconnect the spark plug wire to prevent accidental starting. Place the mower on a stable, flat surface. You may need to tilt the mower onto its side (air filter side up) or use a jack stand to elevate the rear wheels.
2. **Remove the Old Wheel:**
 - Locate the axle nut(s) securing the wheel to the axle.
 - Using the appropriate wrench, loosen and remove the axle nut(s). Keep track of any washers or

spacers.

- Carefully pull the old wheel off the axle. It may require some force or a pry bar if it's seized.

3. **Inspect the Axle:** Clean any debris or rust from the axle shaft. Inspect the axle for damage or wear.

4. **Install the New Wheel:**



Figure 4.1: New wheel assembly with the gear mechanism.



Figure 4.2: Close-up of the gear assembly.

- Align the new wheel assembly with the axle. Ensure the gear mechanism on the wheel properly

engages with the drive shaft or pinion gear on the mower.

- Slide the new wheel onto the axle.
- Reinstall any washers or spacers, then thread the axle nut(s) back on.
- Tighten the axle nut(s) securely with the wrench. Do not overtighten, as this can damage the wheel or axle.

5. **Repeat for Other Wheel:** If replacing both wheels, repeat steps 2-4 for the other side.

6. **Final Check:** Lower the mower (if elevated). Reconnect the spark plug wire. Manually rotate the wheels to ensure they spin freely and the drive mechanism engages correctly.

5. OPERATION

After installing the new rear wheel gear assemblies, perform a brief test run of your lawn mower in a clear area. Observe the following:

- **Drive Engagement:** Ensure the self-propel function engages smoothly and the wheels provide consistent traction.
- **Smooth Movement:** The mower should move forward without wobbling or unusual resistance from the wheels.
- **Noise:** Listen for any abnormal noises coming from the wheel or gear areas.

If any issues are observed, refer to the Troubleshooting section or consult your mower's owner's manual.

6. MAINTENANCE

Regular maintenance of your lawn mower's wheels can extend their lifespan and ensure optimal performance.

- **Cleaning:** Periodically clean grass clippings, dirt, and debris from around the wheels and gear assemblies. This prevents buildup that can hinder movement or damage components.
- **Inspection:** Regularly inspect the wheels for signs of wear, cracks, or damage to the tire tread and the gear teeth. Check for any looseness in the wheel attachment.
- **Lubrication:** Consult your mower's owner's manual for specific lubrication requirements for the axle and gear components. Avoid over-lubricating, which can attract dirt.
- **Storage:** When storing the mower for extended periods, ensure the wheels are clean and dry.

7. TROUBLESHOOTING

If you encounter issues after installing the new wheel assemblies, consider the following common problems and solutions:

- **Wheel Does Not Turn Freely:**
 - Check for debris caught between the wheel and the mower deck.
 - Ensure the axle nut is not overtightened.
 - Verify the wheel is correctly seated on the axle and the gear is aligned.
- **Self-Propel Not Engaging or Slipping:**
 - Confirm the gear on the new wheel is fully engaged with the mower's drive pinion.
 - Inspect the drive belt and other drive components of the mower for wear or damage (refer to

your mower's manual).

- **Unusual Noise from Wheel:**

- Check for loose components or foreign objects.
- Ensure the wheel is properly tightened and seated.

For persistent issues or problems not listed here, consult a qualified service technician or refer to your specific Toro lawn mower's service manual.

8. WARRANTY AND SUPPORT

For information regarding the warranty of your Toro OEM Rear Wheel Gear Assemblies (Part 107-3709), please refer to the warranty documentation provided with your original purchase or contact Toro customer support directly. Keep your proof of purchase for warranty claims.

For technical assistance or further support, visit the official Toro website or contact their customer service department.