



Manuals.plus /

› Hydro-Gear /

› Hydro-Gear Assembly, Tank 700ml Part # 71354 Instruction Manual

Hydro-Gear 71354

Hydro-Gear Assembly, Tank 700ml Part # 71354 Instruction Manual

For proper installation and maintenance of your Hydro-Gear 700ml Tank.

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of the Hydro-Gear Assembly, Tank 700ml, Part # 71354. This genuine OEM part is designed to serve as a hydraulic fluid reservoir in compatible lawn mower systems. Proper installation and regular maintenance are crucial for the longevity and optimal performance of your equipment.

2. SAFETY INFORMATION

WARNING: Always read and understand all safety instructions before attempting installation or maintenance. Failure to follow these instructions may result in serious injury or equipment damage.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling hydraulic fluids and components.
- Ensure the equipment is turned off, the engine is cool, and all moving parts have stopped before beginning any work. Disconnect the spark plug wire or battery to prevent accidental starting.
- Hydraulic fluid can be hot and under pressure. Allow the system to cool down before opening any hydraulic lines or reservoirs.
- Dispose of old hydraulic fluid and components according to local environmental regulations.
- Keep children and bystanders away from the work area.
- If you are unsure about any procedure, consult a qualified service technician.

3. SETUP AND INSTALLATION

This section outlines the general steps for replacing or installing the 700ml hydraulic tank. Specific steps may vary depending on your equipment model. Refer to your equipment's service manual for detailed

instructions.

1. Preparation:

- Park the equipment on a level surface and engage the parking brake.
- Turn off the engine and remove the ignition key. Allow the engine and hydraulic system to cool completely.
- Locate the existing hydraulic fluid tank.

2. Draining the System (if replacing):

- Place a suitable drain pan beneath the hydraulic system to collect old fluid.
- Carefully disconnect the hydraulic lines from the old tank and allow the fluid to drain.
- Remove any mounting hardware securing the old tank.

3. Tank Installation:

- Position the new Hydro-Gear 700ml tank (Part # 71354) in the designated location.
- Secure the tank using the appropriate mounting hardware. Ensure it is firmly attached and stable.
- Reconnect all hydraulic lines to the new tank. Ensure all connections are tight and secure to prevent leaks. Use new O-rings or seals if specified by your equipment manufacturer.

4. Filling the System:

- Refer to your equipment's service manual for the correct type and quantity of hydraulic fluid.
- Fill the new tank to the recommended level, typically indicated by a fill line or dipstick.
- Bleed the hydraulic system according to your equipment manufacturer's instructions to remove any trapped air. This often involves running the engine and cycling hydraulic functions.
- Check for leaks around all connections after filling and bleeding.



Image 1: Hydro-Gear Assembly, Tank 700ml (Part # 71354). This image shows the complete hydraulic fluid reservoir assembly, including the tank body and cap.

4. OPERATING CONSIDERATIONS

The Hydro-Gear 700ml tank functions as a critical component in your equipment's hydraulic system, storing

and supplying hydraulic fluid. While the tank itself does not have operational controls, its proper function is integral to the overall system.

- **Fluid Level:** Regularly check the hydraulic fluid level as specified in your equipment's manual. Low fluid levels can lead to cavitation, overheating, and damage to hydraulic components.
- **Fluid Type:** Always use the hydraulic fluid type recommended by your equipment manufacturer. Mixing different types of fluid or using incorrect fluid can cause system failure.
- **System Pressure:** The tank is designed to operate within the normal pressure range of the hydraulic system. Ensure the system is not over-pressurized, which could damage the tank or other components.

5. MAINTENANCE

Regular maintenance of the hydraulic tank and system ensures reliable performance and extends the life of your equipment.

- **Fluid Level Check:** Check the hydraulic fluid level before each use or as recommended by your equipment's manual. Add fluid if necessary, ensuring not to overfill.
- **Visual Inspection:** Periodically inspect the tank for any signs of cracks, damage, or leaks. Check the hydraulic lines and connections for wear or looseness.
- **Fluid Replacement:** Replace hydraulic fluid and filters according to your equipment manufacturer's recommended service intervals. Contaminated or old fluid can degrade system performance.
- **Cleaning:** Keep the exterior of the tank clean to prevent dirt and debris from entering the system during fluid checks or refills.

6. TROUBLESHOOTING

This section addresses common issues related to the hydraulic tank. For more complex hydraulic system problems, consult your equipment's service manual or a qualified technician.

Problem	Possible Cause	Solution
Fluid Leak from Tank or Connections	Loose connections, damaged O-rings/seals, cracked tank.	Tighten connections. Replace O-rings/seals. Inspect tank for damage; replace if cracked.
Low Hydraulic Fluid Level	Leak in the system, normal consumption, insufficient initial fill.	Check for leaks and repair. Add correct hydraulic fluid to the recommended level.
Hydraulic System Overheating	Low fluid level, incorrect fluid type, restricted flow, air in system.	Verify fluid level and type. Bleed air from the system. Consult service manual for flow restrictions.

7. SPECIFICATIONS

- **Part Number:** 71354
- **Brand:** Hydro-Gear
- **Capacity:** 700 Milliliters
- **Material:** Metal
- **Exterior Finish:** Alloy Steel

- **Item Weight:** 6 ounces
- **Package Dimensions:** 9.29 x 6.34 x 3.82 inches
- **Fit Type:** Universal (for compatible equipment)
- **Vehicle Service Type:** Lawn Mower

8. WARRANTY AND SUPPORT

This Hydro-Gear OEM part is manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided with your original equipment or contact Hydro-Gear directly. Keep your purchase receipt as proof of purchase.

For technical support or inquiries regarding this product, please contact Hydro-Gear customer service or an authorized Hydro-Gear dealer. Contact information can typically be found on the official Hydro-Gear website or through your equipment manufacturer's support channels.

Hydro-Gear Official Website: www.hydro-gear.com