Customer Bulletin

Commercial Products

August 06, 2020

Parking Brakes Stick

Reelmaster® 3555 and 3575

Bulletin Type

Information Only

Status

Final Release

Affected Units

Model Number(s)	Serial Number(s)
03820	316000001 through 404925951
03821	316000001 through 403446000

Situation

Important Information

Grass accumulation inside of the brake drums may cause the parking brakes to seize and become stuck. This may cause the brakes to remain engaged and not allow the machine to move.

Corrective Action

Fix as Fail

If the brakes seize or remain engaged, repair or replace the damaged brake-assembly components, then install new wheel-rim grass shields (Part Number 136-8006-03) to prevent grass clippings from entering the brake drum.

After installing the shields, adhere to the following maintenance schedule:

- Daily or before each use: Check the brake and parking brake operation.
- Every 400 hours: Remove the brake drum and inspect for wear.

Add this information to the maintenance schedule in your *Operator's Manual* or download the latest *Operator's Manual* from www.Toro.com.

Refer to your authorized Toro distributor or www.Toro.com for more information.

Service Instructions

Preparing the Machine

1. Park the machine on a level surface.
2. Engage the parking brake.
3. Lower the cutting units.
4. Shut off the engine and remove the key.

Raising the Machine

Use a jack to raise the machine; refer to the jacking instructions in your machine *Service Manual*.

Removing the Wheel

Refer to Figure 1 for this procedure.

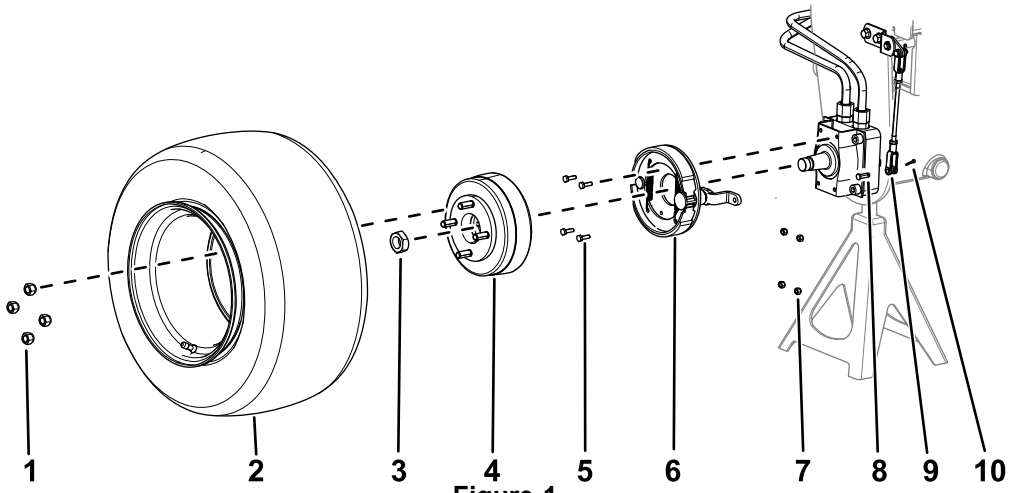

Figure 1

1. Lug nut
2. Tire
3. Locknut
4. Wheel hub and brake drum
5. Capscrew
6. Brake assembly
7. Locknut
8. Clevis pin
9. Adjustment rod
10. Cotter pin

1. Remove the lug nuts from the wheel-hub drive studs.
2. Remove the wheel.

Removing the Brake Assembly

Refer to Figure 1 for this procedure.

1. Remove the locknut from the hydraulic-motor shaft.

   Important: **Do not hit the wheel hub or puller with a hammer during removal or installation. Hammering may cause damage to the hydraulic wheel motor.**

2. Release the parking brake.
3. Use a wheel-hub puller to remove the wheel hub and the brake drum from the hydraulic-motor shaft.
4. Remove the cotter pin and clevis pin that retain the adjustment rod to brake lever. Separate the adjustment rod from the brake lever.
5. Remove the brake assembly from the brake bracket, by removing the 4 capscrews and locknuts that secure the assembly to the bracket.

   Note: The brake lever, backing plate, retainer clip, return springs, brake shoes and cam shaft can be removed as a complete brake assembly.

Adding Anti-Seize Compound and Grease to the Brake Assembly

1. Remove the E-ring and the lever from the brake assembly (Figure 2).

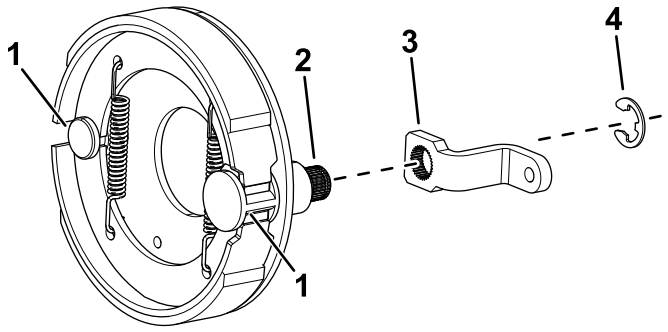

Figure 2

1. Brake-shoe pivot points
2. Cam-shaft splines
3. Lever
4. E-ring

2. Apply anti-seize lubricant to the cam-shaft splines (Figure 2).
3. Install the lever and E-ring to the cam-shaft splines (Figure 2).
4. Lightly lubricate the brake-shoe pivot points (Figure 2) with general-purpose grease.

Installing the Wheel-Rim Shield and Brake Assembly

Refer to Figure 3 for this procedure.

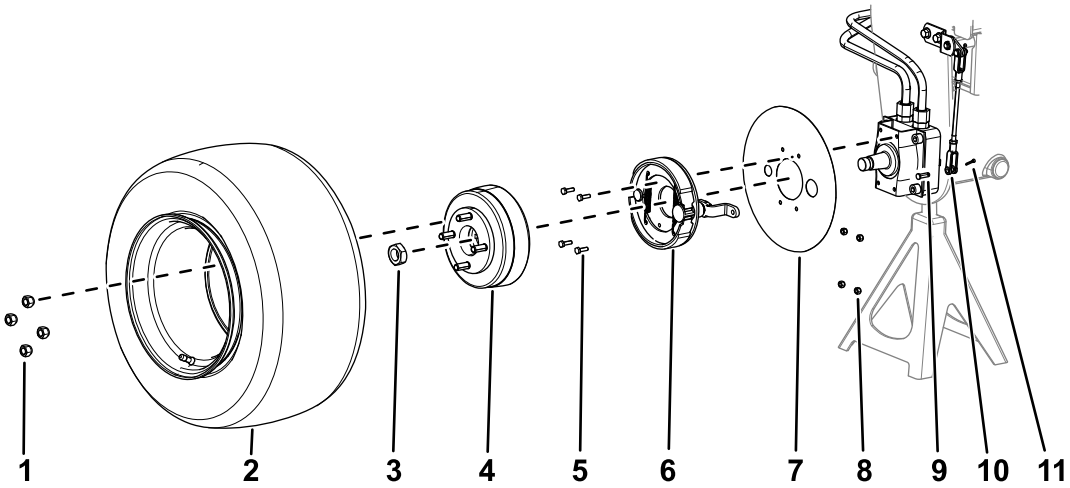

Figure 3

1. Lug nut
2. Tire
3. Locknut
4. Wheel hub and brake drum
5. Capscrew
6. Brake assembly
7. Wheel-rim grass shield
8. Locknut
9. Clevis pin
10. Adjustment rod
11. Cotter pin

1. Use the previously-removed cap screws to secure the wheel-rim grass shield and brake assembly to the brake bracket.
2. Use the previously-removed cotter pin and clevis pin to secure the adjustment rod to the brake lever.
3. Ensure that wheel hub and hydraulic motor shafts are thoroughly clean.

4. Slide the wheel hub and brake drum assembly onto the shaft.
5. Use a lock nut to secure the wheel hub and brake drum to the hydraulic-motor shaft.

   Note: For proper brake operation, the brake shoes and backing plate must be concentrically aligned with the brake drum.
6. To align the brake shoes and drum, engage the parking brake.
7. Tighten the 4 socket-head screws and lock nuts that secure the brake bracket and wheel motor to the frame.
8. Secure the wheel to the machine with the previously-removed lug nuts.

Installing the Wheel

Refer to Figure 3 for this procedure.

1. Secure the wheel to the machine with the previously-removed lug nuts.
2. Lower the machine to the ground.
3. Torque the wheel lug nuts to 95 to 122 N•m (70 to 90 ft-lb) in a crossing pattern.
4. Torque the locknut to 339 to 372 N•m (250 to 275 ft-lb).

Completing the Installation

1. Disengage the parking brake.
2. Check the brake adjustment and adjust if necessary; refer to the Adjust Brakes procedure in your machine *Service Manual*.

   Important: **Always check and adjust the brakes when you disassemble or repair the brake linkages.**