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## 2025 Slingshot Wheel and Brake System Inspection

2025 Polaris Slingshot | Wheel/Brake System Inspection | Slingshot



### Required Tools and Supplies

- 17mm Socket
  - Breaker Bar
  - Ratchet
  - Torque Wrench
  - DOT 4 Brake Fluid
  - Tire Pressure Tool
  - Tread Depth Tool
  - Eye Protection
  - Nitrile Gloves
  - Shop Rags
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To learn more about tools, read the [Tools and Fasteners Guide](#). Always wear safety glasses and nitrile gloves when servicing your Slingshot.

To inspect the wheel and brake system on your Slingshot, follow these steps:

**1.** Park the vehicle on a flat, level surface, vehicles with AutoDrive leave in neutral, vehicles with manual transmission, leave in gear. Then set the parking brake.

**2.** Take a close look at each tire.

- Inspect the tire sidewalls, road contact surface and tread base. If inspection reveals punctures, cuts, cracks or other wear or damage, replace the tire before driving the vehicle.
- Verify there is sufficient tread depth. Measure the tread depth near the center of the tread on both tires.
  - Replace a front tire when the tread depth wears to the minimum of 1.6 mm.
  - Replace the rear tire when tread depth wears to a minimum of 3.5 mm.
- Inspect the tire pressure and verify it is set to specification. Reference the [Owner's Manual](#) or tire pressure label on your vehicle for the correct specification.

**3.** Remove the wheels from the vehicle.

- Begin by loosening the lug nuts with a 17mm socket and breaker bar while the vehicle is on the ground but do not remove at this time.
- Safely elevate the vehicle by positioning an appropriate floor jack under the frame at the side or rear of the vehicle, near the wheel to be removed.
- If removing the rear wheel, place wheel chocks at the front of both front wheels to prevent rolling.
- Once safely elevated, remove the lug nuts, and set aside.
- Remove the wheels and set aside.

**4.** Open the hood and inspect the fluid level and condition in the master cylinder located on the driver's side of the vehicle.

**5.** Ensure the level is between the upper (MAX) and lower (MIN) level lines. If it is low, clean around the cap and add brake fluid as necessary from a new and unopened bottle. Apply the brake forcefully for a few seconds and check for fluid leakage around the fittings. **Note:** Do not allow brake fluid to contact painted surfaces or paint damage may occur.

**6.** Inspect all brake hoses and connections for dampness or stains from leaking or dried fluid. Tighten any leaking connections and replace components as necessary.

**7.** Check the brake pedal for excessive travel or a spongy feel.

**8.** Inspect the rotor to ensure tightness to the hub.

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**9.** Take a look at the brake pads and check for wear, damage and looseness.

- Inspect the brake discs for nicks, scratches, cracks or other damage. Clean any grease using an approved brake cleaner or alcohol.
- Inspect the brake disc pad wear surface.
- For standard pads, change when worn to 0.06 in (1.5 mm).
  - For Brembo® rotor pads, change when worn to 0.011 in (2.67 mm).
- Inspect the thickness of each brake disc at four or more locations around the disc for excessive wear.
- For standard rotors, change when worn to 0.75 in (19 mm).
  - For Brembo® rotors, change when worn to 0.94 in (24 mm).
- If any disc is worn to the minimum thickness at the thinnest point, or if a disc is damaged, see your dealer for replacement.
- Check that the rotor is tightened adequately to the hub.

**10.** Install wheels ensuring the valve stem is toward the outside and rotation arrows on the tire point toward forward rotation.

**11.** Reinstall the lug nuts and finger-tighten.

**12.** Lower the vehicle until the tires begin to touch the ground and tighten all wheel nuts in a star pattern and **torque** to 75 ft-lbs (102 Nm).

**13.** Lower the vehicle completely and remove the floor jack.

For more information, see your authorized Slingshot Dealer. Find a dealer near you with the [Dealer Locator](#).

Maintenance tips, procedures and specifications can be found in your [Owner's Manual](#).

To find diagrams and replacement part numbers, use the [online parts catalog](#).

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