

**SLINGSHOT**

# SERVICE ADVISORY

**Release Date:** November 27, 2023**Expiration Date:** December 31, 2024

## SLI

**Communication #:** TSA-23-01**Model Year(s):** 2020-2023

— Confidential and Proprietary —

**VERSION: R01 (November 27, 2023)**

### IMPORTANT

If you are working with a printed copy, please verify you have the most current version of this document.

## SUBJECT: BRAKE PRESSURE SWITCH UPDATE

### PURPOSE

Polaris has identified that some Model Year 2020+ Slingshot vehicles may exhibit a brake warning light and a shift to neutral condition on AutoDrive equipped vehicles when coming to a stop as a result of a faulty brake pressure switch. Fault codes commonly associated with these symptoms are C2144 (SPN 2584) and P150A (SPN 520275).

Starting in Model Year 2024, Slingshot will use a new single switch configuration. Polaris has released a single brake pressure switch service kit that is compatible to retrofit prior model years. This Service Advisory provides instruction to update vehicles with the new single switch service kit in the event of a brake pressure switch failure.

### AFFECTED MODELS

| MODEL YEAR | MODELS               |
|------------|----------------------|
| 2020-2023  | All Slingshot Models |

## WARRANTY CLAIM INFORMATION

| 2020-2023 SLINGSHOT                           |                                      |
|-----------------------------------------------|--------------------------------------|
| Advisory #                                    | TSA-23-01                            |
| Claim Type                                    | SA (Service Advisory)                |
| Labor Allowance                               | 1.1 hours (66 minutes)               |
| Part Number / Description                     | 2212095 (QTY 1) K-SLG,BPS,4K,REPLACE |
| Parts Availability                            | Available to order                   |
| University of Polaris Video Training Required | NO                                   |

### Claim Submission:

- **US / Canada Dealers:** On DEX, go to Service and Warranty > Warranty Claim and Extended Coverage > Start a New Warranty Claim. Select Service Advisory> Enter the VIN / PIN and Retrieve Registration. Select TSA-23-01 and Send Claim.
- **International Dealers:** On iDEX, go to Service and Warranty> Warranty Claims>Start a New Warranty Claim. Select Service Advisory> Enter the VIN / PIN and Retrieve Registration. Select TSA-23-01 and Send Claim

## COVERAGE PERIOD

Coverage will begin on November 27, 2023. Coverage will expire on December 31, 2024.

## PARTS RETURN / DISPOSAL INFORMATION

Under no circumstances shall the parts removed be re-used, sold, or re-purposed for another application. It is your dealership / distributor's responsibility to make sure every part replaced (related to this communication) is taken out of circulation and disposed of properly or returned to Polaris (if required).

## FEEDBACK FORM

A feedback form has been created for the technician to provide Polaris with an overall satisfaction rating for the instructions, provide comments on your experience or upload pictures/video. The form is viewable on mobile devices by scanning the QR code or on a PC by clicking [HERE](#).



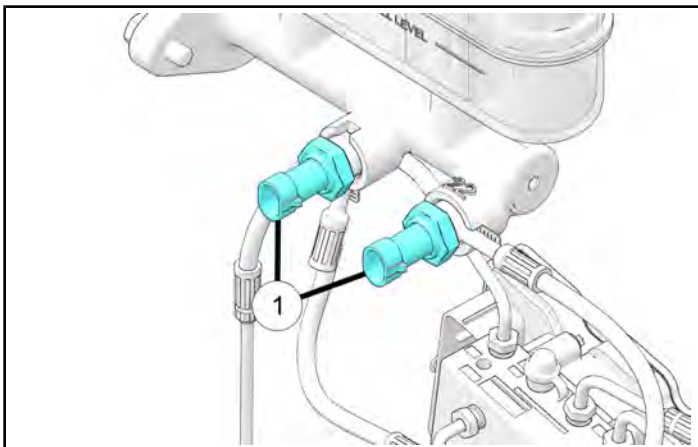
## REPAIR PROCEDURE

### TOOLS REQUIRED

- Safety Glasses
- Digital Wrench®
- Drain Pan
- Flashlight
- Mity Vac™: PN **2870975** or similar
- Socket Set, Metric
- Torque Wrench

### IDENTIFYING BRAKE PRESSURE SWITCHES

#### DUAL 2K OHM SWITCH CONFIGURATION



This orientation uses two 2k ohm brake pressure switches ① in series.

#### TESTING THE SWITCHES

When the brake pedal is released, each switch will have an individual resistance of 2k ohms and a total resistance of 4k ohms across the circuit.

When the brake pedal is pressed, the switches will have a total resistance of <1 ohms across the circuit.

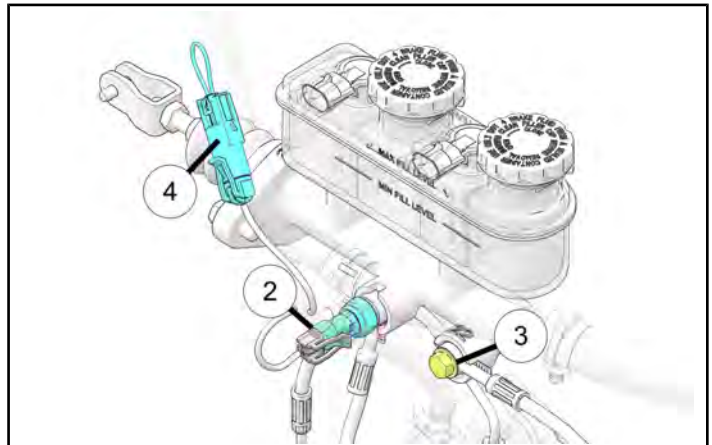
#### REPLACEMENT

##### IMPORTANT

2k ohm and 4k ohm brake pressure switches cannot be used together, or fault codes will set.

- MY20-23 vehicles with two 2k ohm switches can be replaced with similar 2k ohm switch kit **PN: 2207836** (switch **PN: 4016380**) or updated to the single 4k ohm switch using kit **PN: 2212095**.

#### SINGLE 4K OHM SWITCH CONFIGURATION



This orientation uses a single 4k ohm brake pressure switch ②, a banjo bolt ③, and a wire harness jumping cap ④ placed on the unused harness connector.

#### TESTING THE SWITCH

When the brake lever is disengaged, the switch will have a resistance of 4k ohm and a total resistance of 4k ohms across the circuit.

When the brake pedal is pressed, the switch will have a total resistance of <1 ohms across the circuit.

#### REPLACEMENT

##### IMPORTANT

2k ohm and 4k ohm brake pressure switches cannot be used together, or fault codes will set.

- Single 4k ohm switch vehicles can only be replaced with the 4k switch kit **PN: 2212095** (switch **PN: 4081617**).

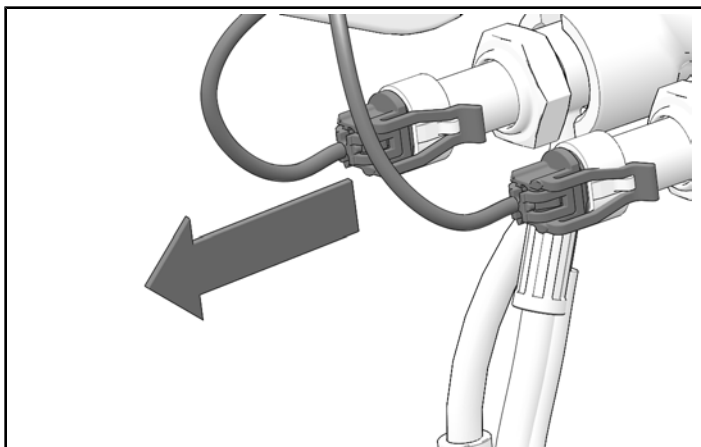
## BRAKE PRESSURE SWITCH REPLACEMENT

### IMPORTANT

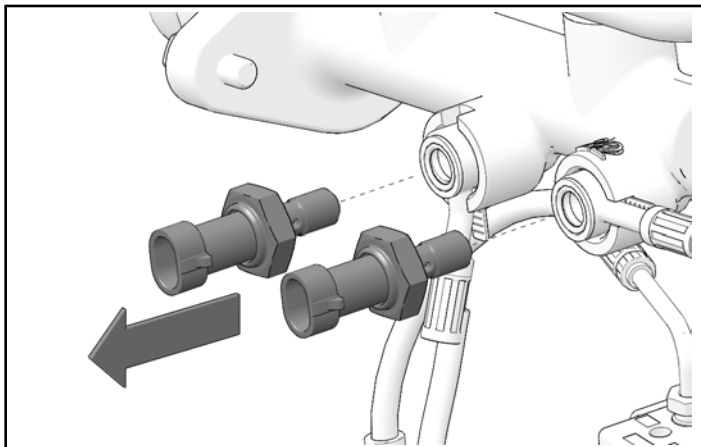
Protect painted surfaces with protective cloth during installation.

### MY 2020-2023 MODELS

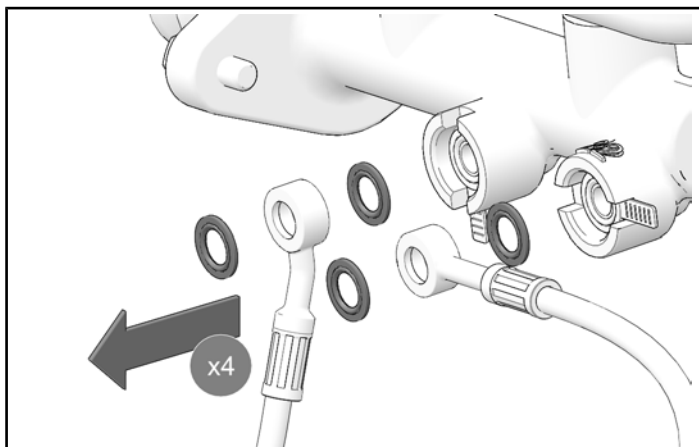
1. Using Mity Vac™: PN 2870975 or similar, remove all brake fluid from the reservoir.
2. Disconnect wiring from brake pressure switches.



3. Remove and discard existing brake pressure switches.



4. Remove and discard existing Stat-O-Seals.



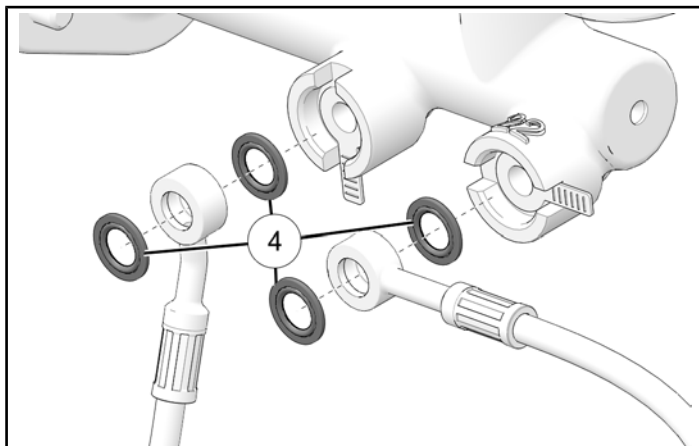
5. Install new Stat-O-Seals ④.

### IMPORTANT

Apply a thin layer of lubricant (P/N 8560254) to new Stat-O-Seals before installation.

### IMPORTANT

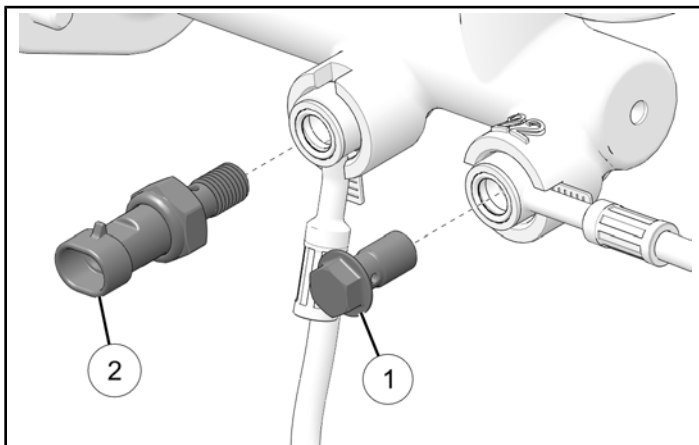
Stat-O-Seals must be replaced when installing brake pressure switch and banjo bolt.



6. Loosely install brake pressure switch ② in rear line port of master cylinder. Loosely install banjo bolt ① in front line port of master cylinder.

#### IMPORTANT

Brake Pressure Switch installs in rear port of master cylinder. Rear port feeds front brakes on the vehicle.



7. Torque brake switch and banjo bolt to specification.

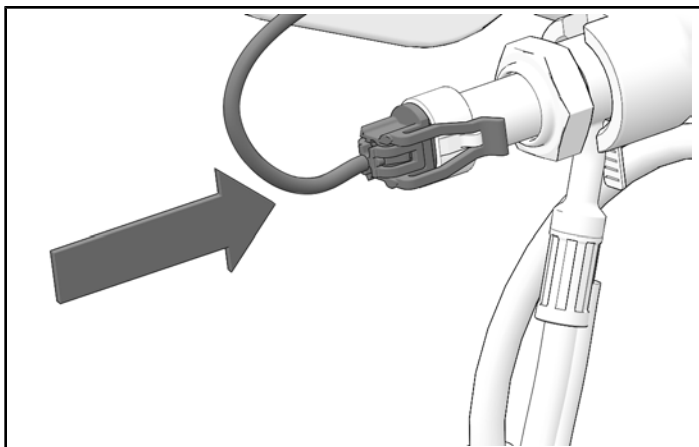
#### IMPORTANT

Do not over torque brake pressure switch and banjo bolt.

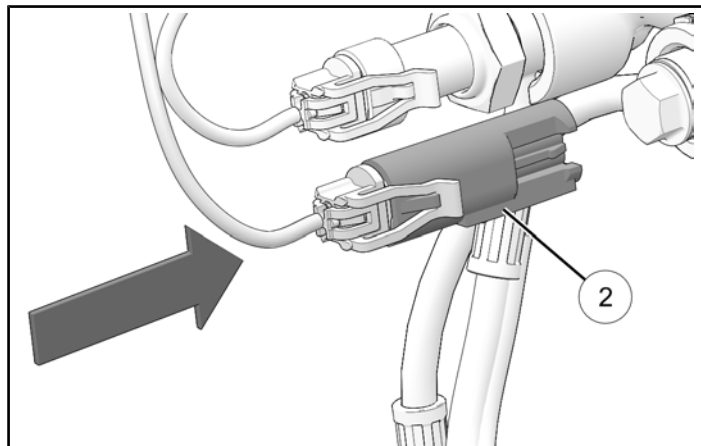
#### TORQUE

Brake Pressure Switch ② and Banjo Bolt ①:  
**12 ft-lbs (16 N·m)**

8. Connect rear plug to brake pressure switch.



9. Connect wire harness jumper cap ② to the remaining open connector. Attach wire harness jumper cap to main harness using cable tie or electrical tape.



10. Fill both reservoir chambers to the MAX FILL line. Install rear brake reservoir cap.
11. Using Mity Vac™: PN **2870975** or similar, apply a vacuum to the front reservoir chamber. Press on the brake pedal several times.
12. Repeat step 10 for the rear reservoir chamber.
13. Check for proper braking action and pedal reserve. With pedal firmly applied, pedal reserve should be no less than 1/2" (1.3 cm).
14. If air is still present in system, or brake pedal is soft, bleed brakes following the Full System Brake Bleed procedure in the service manual.
15. Submit a Service Advisory Warranty Claim for TSA-23-01.