

**SLINGSHOT**

Date: October XX, 2016

Expiration Date: October XX, 2016

TECHNICAL SERVICE BULLETIN

Slingshot

Bulletin Number: T-16-05

Model Years: 2016

☐ Safety Bulletin☒ Service Bulletin☐ Service Alert FaxDistribution: ☐ Owner/Principal ☐ Service Manager ☐ Sales Manager ☐ Parts Manager ☐ Technicians***This Service Bulletin is located at www.polarisdealers.com***–Confidential and Proprietary–**SUBJECT:****2015-2017 SLINGSHOT – Secondary Brake Bleed Procedure****PURPOSE:**

Some Slingshot models may experience a brake pedal that travels further than expected when pressure is applied. This may cause a feeling of poor brake performance and lead to a loss of confidence in the ability of the brake system. To address this, Slingshot has developed a Secondary Brake Bleed Procedure that will more effectively reduce air in the brake system.

AFFECTED MODELS:

MODEL YEAR	MODELS	MODEL NUMBERS	VEHICLE IDENTIFICATION NUMBER RANGE
2015	Slingshot	T15AASFAAC / BC / CC	Reference "Unit Inquiry" on the dealer website or the Service Bulletin list on the STOP site to lookup affected units.
	Slingshot SL	T15AAPFAAB / BB / CB	
	Slingshot LE	T15AAPFAAD / BD / CD	
2016	Slingshot	T16AASFAAC / BC / CC	
	Slingshot SL	T16AAPFAAB / BB / CB / EB	
	Slingshot LE	T16AAPFAAF / BF / CF / EF	

CUSTOMER NOTIFICATION:

A customer notification letter will be sent to all registered owners of affected vehicles. In addition to the notification letter sent by Polaris, dealers are required to review sales records and contact consumers who have purchased a potentially affected vehicle. Make arrangements to perform the steps outlined in this Service Bulletin immediately.

WARRANTY CLAIM / PARTS INFORMATION:

A single group claim may be submitted listing the complete (17 digit) VIN for machines with the same model number. File claim type **SB (Service Bulletin)**. Do **NOT** put more than one model number on a claim.

SERVICE BULLETIN #	T-16-05
CLAIM TYPE	SB (Service Bulletin)
LABOR ALLOWANCE	XX Minutes (0.X Hours)
PART NUMBER / DESCRIPTION	7170107 (QTY.1) BULLETIN COMPLETION DECAL
PARTS AVAILABILITY	Available to Order
UNIVERSITY OF POLARIS VIDEO TRAINING REQUIREMENT	YES*

*Polaris requires one person from a dealership to be certified before parts ordering may occur and two people from a dealership to be certified before warranty claims may be processed.

NOTE

Polaris requires dealers to maintain warranty records, including repair orders and supporting documentation for five years. All claims for additional labor, dealer transport/travel or part stock claims for T-16-05 are subject to audit and inspection. Infractions will result in chargebacks and fines in accordance with the Polaris Audit Policy

WARRANTY COVERAGE PERIOD:

Warranty coverage for Service Bulletin T-16-05 will begin on September XX, 2016. This bulletin has no expiration date.

DISPOSAL INFORMATION:

Dealers/Distributors:

Under no circumstances shall the parts removed in this repair 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 bulletin) is taken out of circulation and disposed of properly.

SERVICE BULLETIN COMPLETION DECAL:

A Service Bulletin Completion Decal must be completed for this bulletin repair. Remove the hood and place the decal on an easily visible portion of vehicle. If you require more decals, order them through normal Polaris parts ordering channels.

Sincerely,



Doug Koch
Technical Service and Warranty Manager

T-16-05 REPAIR PROCEDURE:

IMPORTANT

Several steps of this procedure require an audit by another dealership representative other than the technician who is completing the repair. Completing these check backs is a critical component to ensuring the repair has been properly completed. An audit checklist will be provided with each kit. It must be completed and retained with the instruction sign-off and repair order.

AUDIT CHECKLIST:

- ☐ A secondary dealer representative must verify that the ABS Brake Bleed Procedure has been completed **TWICE** at each wheel.
- ☐ Verify all three brake caliper bleeder screws are torqued to specification and marked with a paint pen.
Torque value: **72 in-lbs (8 Nm)**
- ☐ Verify the master cylinder has been refilled to a fluid level between the MIN and MAX lines.

UNIVERSITY OF POLARIS VIDEO TRAINING REQUIREMENT

Each member of your service department team must watch the training video on University of Polaris prior to completing ANY work, or submitting ANY warranty claim for this Service Bulletin. You must watch the video through the University of Polaris in order to get credit for watching the video.

www.universityofpolaris.com

FEEDBACK FORM

A feedback form has been created for the installer to provide any comments, questions or concerns about the instruction video. The form is viewable on mobile devices by scanning the QR code or by clicking [HERE](#) if viewing on a PC.

FEEDBACK FORM



SECONDARY BRAKE BLEED PROCEDURE

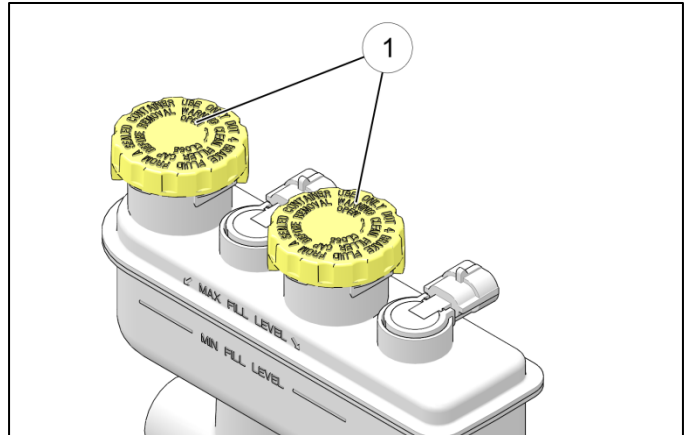
Tools Required:

- 10 mm box end wrench
- Clear rubber hose ¼" inside diameter
- Clean container

CAUTION

Brake fluid will damage finished surfaces. Do not allow brake fluid to come in contact with finished surfaces.

1. Connect Clean Master Cylinder Caps ① thoroughly and remove. Fill both reservoir chambers to the MAX FILL line using Polaris DOT 4 Brake Fluid (2872189). Replace Master Cylinder Caps.



2. Connect the Vehicle Interface Cable to the Digital Wrench diagnostic connector.

NOTE

Make sure Digital Wrench is updated to version 3.8 9/14/2016 or later.



3. Switch the ignition key to the ON position.

4. Select the appropriate vehicle and wait for the status to display “Connected” in the lower left corner of the screen.

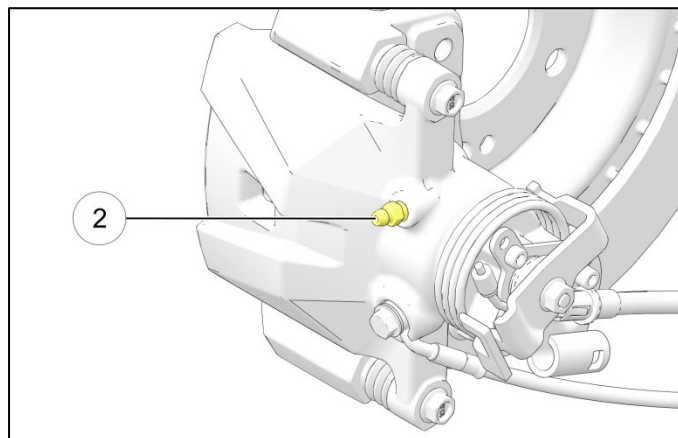


5. Select the Special Tests menu “Red Tool Box” icon.

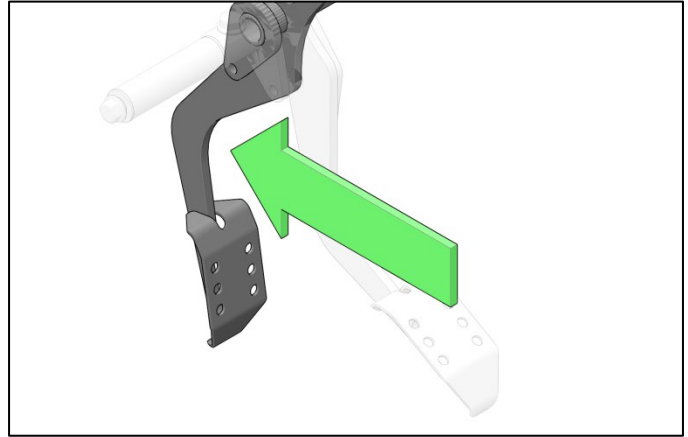


6. Select the “ABS Brake Bleed Procedure”.

7. Starting at the rear wheel, install a box end wrench on the brake caliper bleeder screw ②. Attach a clean, clear 1/4” hose to fitting and place the other end in a clean container. Be sure the hose fits tightly on bleeder screw fitting.



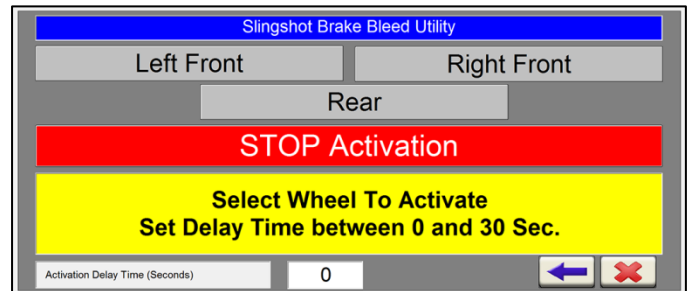
8. Have an assistant slowly pump the brake pedal until pressure builds and hold brake pedal down to maintain pedal pressure.



9. Select the button in the Digital Wrench Brake Bleed Utility to activate the ABS module, applying pressure to the selected brake circuit.

NOTE

You can set an Activation Delay Time (seconds) in the white data field to allow time to prepare before activation begins.



10. When you hear ABS activate, open rear brake caliper bleed screw $\frac{1}{2}$ turn, pause and close. Time the opening of bleeder with ABS cycle start and close bleeder just before ABS cycle stops.

IMPORTANT

Do not release foot pedal before bleeder screw is tight or air may be drawn into the master cylinder.

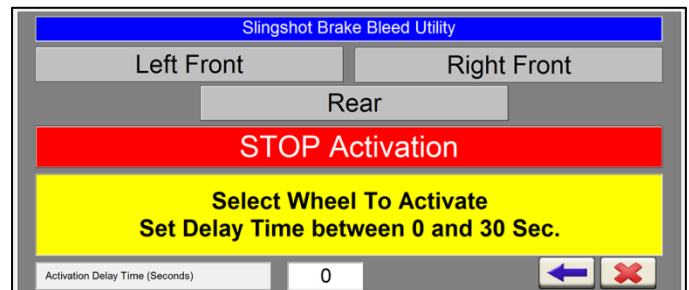
11. Repeat steps 7-10 for a second time. Then continue to the front passenger side brake caliper, followed by the front driver side caliper. Select the appropriate brake in the Bleed Utility screen.

IMPORTANT

Check master cylinder fluid level after two ABS bleed cycles on any brake circuit. Do not allow the master cylinder to run dry during this process.

IMPORTANT - AUDIT STEP

A secondary dealer representative must verify that the ABS Brake Bleed Procedure has been completed **TWICE** at each wheel.



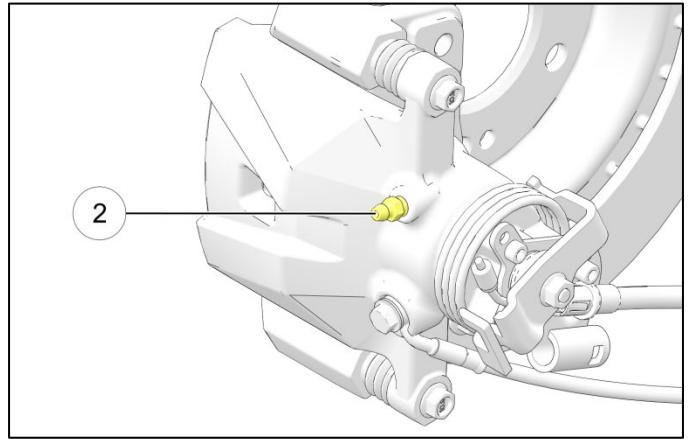
12. Torque all three brake caliper bleeder screws ② to specification.

TORQUE

Bleeder Screw:
72 in-lbs (8 Nm)

IMPORTANT – AUDIT STEP

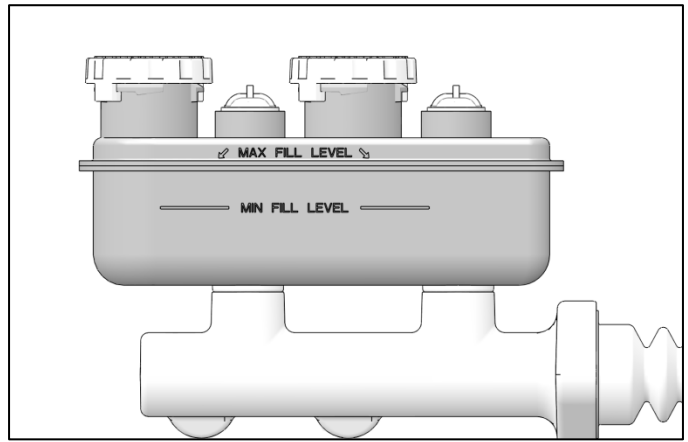
A secondary dealer representative must verify that the Bleeder Screws have been torqued using a torque wrench set to the correct specification. Mark bleed screws with a paint pen to indicate the audit has been completed.



13. Refill both master cylinder reservoir chambers between MIN and MAX lines with Polaris DOT 4 brake fluid after process is complete. Do not overfill.

IMPORTANT – AUDIT STEP

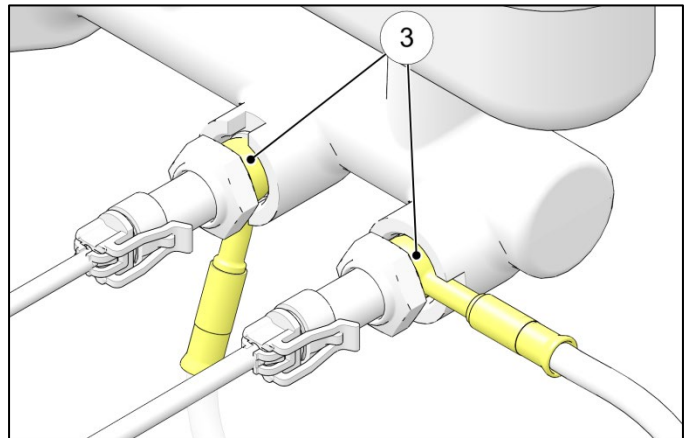
A secondary dealer representative must verify the master cylinder has been refilled to a fluid level between the MIN and MAX lines.



14. Check the brake system for any sign of leaks. Clean the brake line connections between the brake pressure switches and master cylinder ③ thoroughly using brake cleaner and compressed air. Apply pressure to brake pedal for three minutes. Thoroughly wipe break line fittings and pressure switch connections with shop towel (2830403) to inspect for any signs of fluid leak.

IMPORTANT – AUDIT STEP

A secondary dealer representative must verify that the brake system leak check was performed and no signs of leaks were detected.



15. Field test the vehicle before putting into service. Check for proper brake system performance by completing three parking lot speed stops and three stops from normal vehicle operating speed.

16. Install a completed Service Bulletin Completion Decal (7170107). Close the vehicle's hood.

