



# TECHNICAL SERVICE BULLETIN

Release Date: March 06, 2015  
Expiration Date:

**Indian Motorcycle**

Bulletin Number: I-15-01 A/B  
Model Year(s): 2015

Safety Bulletin     Service Bulletin     Service Alert Fax     Production Update Kit

Distribution:  Owner / Principal     Service Manager     Sales Manager     Parts Manager     Technicians

*This Service Bulletin is located at [www.polarisdealers.com](http://www.polarisdealers.com)*

-Confidential and Proprietary-

## SUBJECT: 2015 Indian Scout – Rear Master Cylinder Inspect / Replace

### PURPOSE:

Some 2015 Indian Scout motorcycles may have been manufactured with a rear brake master cylinder that does not meet Indian Motorcycle quality standards. In some vehicles, the piston retaining ring located in the rear master cylinder may not fully seat into the machined groove in the master cylinder bore. Motorcycles assembled with an affected master cylinder may experience a loss of fluid pressure to the rear brake caliper resulting in rear brake failure. This could cause the vehicle operator to lose control, increasing the risk of a vehicle crash.

### POTENTIALLY AFFECTED MODELS:

**Some model year 2015 Indian Scout motorcycles manufactured on or before 02/27/2015.**

Use 'Unit Inquiry' or the Service Bulletin VIN Lookup tool on the STOP Site to identify affected vehicles.

Indian Motorcycle expects there to be a low occurrence of master cylinders that do not pass inspection. Once the inspection has been completed and it has been determined that master cylinder replacement is necessary, parts can be expedited if placed in an order containing only parts listed in this bulletin.

### WHAT YOUR DEALERSHIP SHOULD DO:

1. Review your dealership's inventory to locate potentially affected models.
  - a. Use 'Unit Inquiry'.
  - OR**
  - b. Locate the 'Service and Warranty' dropdown, click on STOP Site.
  - c. On the left hand side of the page, under 'STOP Site Links', click on 'Service Bulletins'.
  - d. Locate the service bulletin number (I-15-01A/B) and click on the 'All VINs' link located on the right.
  - e. The 'All VINs' page will display all affected VINs within your dealership's inventory.
2. Follow the instructions outlined in this Safety Bulletin to inspect, and if necessary, replace the affected rear master cylinder assembly using the updated parts detailed on page 02 of this communication.
3. File a warranty claim using the bulletin number which corresponds to the operation performed (Inspect or Inspect / Replace) immediately after completion of this bulletin.

### CUSTOMER NOTIFICATION:

A customer notification letter has been sent to all registered owners of motorcycles affected by this Safety Bulletin. In addition to the notification letter sent by Indian Motorcycle, dealers are required to notify owners of motorcycles sold by their dealership, and to make arrangements to perform this bulletin immediately.

**WARRANTY CLAIM INFORMATION:**

A single group claim may be submitted listing the complete (17-digit) Vehicle Identification Number for machines with the same model number and wheel color. File claim type: **SB (Service Bulletin)**. DO NOT PUT MORE THAN ONE MODEL NUMBER ON A CLAIM.

<b>REAR MASTER CYLINDER - INSPECT</b>	
SERVICE BULLETIN #	I-15-01A
CLAIM TYPE	SB (Service Bulletin)
LABOR ALLOWANCE	18 Minutes (0.3 Hours)
CLAIM PART NUMBERS	N/A – Auto Process Bulletin

<b>REAR MASTER CYLINDER – INSPECT / REPLACE</b>	
SERVICE BULLETIN #	I-15-01B
CLAIM TYPE	SB (Service Bulletin)
LABOR ALLOWANCE	48 Minutes (0.8 Hours)
CLAIM PART NUMBERS	N/A – Auto Process Bulletin

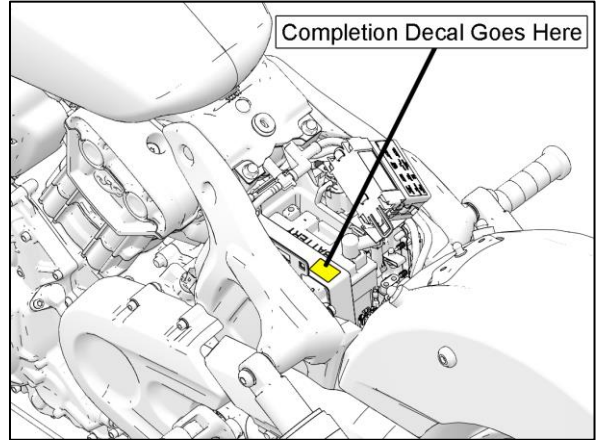
**PARTS INFORMATION:**

<b>REAR MASTER CYLINDER - INSPECT (I-15-01A)</b>	
PART NUMBER / DESCRIPTION	7170107 (QTY. 1) – Service Bulletin Completion Decal
PARTS AVAILABILITY	Available to order
DIRECT-SHIP FROM POLARIS?	No
TO BE ORDERED BY DEALER?	Yes

<b>REAR MASTER CYLINDER – INSPECT / REPLACE (I-15-01B)</b>	
PART NUMBER / DESCRIPTION	7170107 (QTY. 1) – Service Bulletin Completion Decal 1911996-266 (QTY. 1) – Master Cylinder, Rear 2880016 (QTY.1) – 12 oz. Brake Fluid, DOT 4 5413212 (QTY.2) – Sealing Washers 7518141 (QTY.2) – Screw, Master Cylinder
PARTS AVAILABILITY	Available to order
DIRECT-SHIP FROM POLARIS?	No
TO BE ORDERED BY DEALER?	Yes

## SERVICE BULLETIN COMPLETION DECAL:

A Service Bulletin Completion Decal must be completed for this bulletin repair. Place the decal on the unit as shown (beneath the fuse box, on battery hold-down bracket). If you require more decals, order them through normal parts ordering channels.



## PARTS RETURN OR DISPOSAL INFORMATION:

**Dealers & Distributors:** Under no circumstances shall the part removed in this repair be re-used, sold, or repurposed for another application. It is your dealership / distributorship's responsibility to make sure every part replaced is taken out of circulation and disposed of properly.

**For North American Dealers:** Once the warranty claim for each unit has processed, please review the "Check Returned Parts List" on your dealer website to determine whether or not Indian Motorcycle has asked for the part(s) to be returned. If the part(s) were not identified as needing to be returned to Indian Motorcycle, please dispose of the part(s) properly.

Sincerely,

A handwritten signature in black ink that reads "Doug Koch".

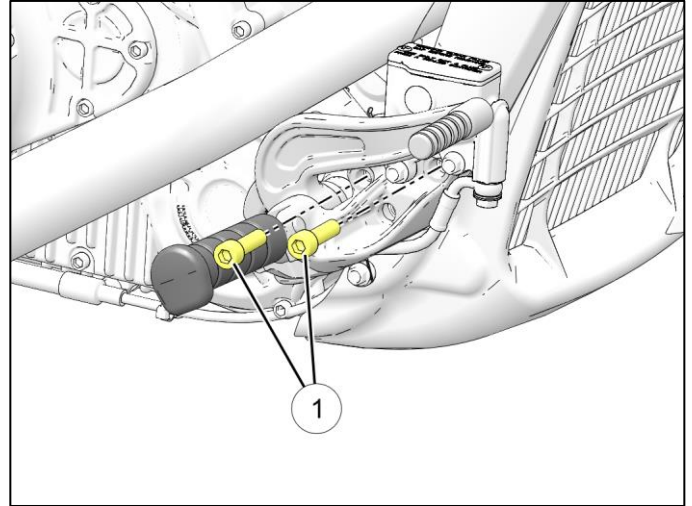
Doug Koch,  
Technical Service and Warranty Manager

## REAR MASTER CYLINDER INSPECTION:

**NOTE:** It is not necessary to disconnect the brake line from the master cylinder to perform the inspection procedure.

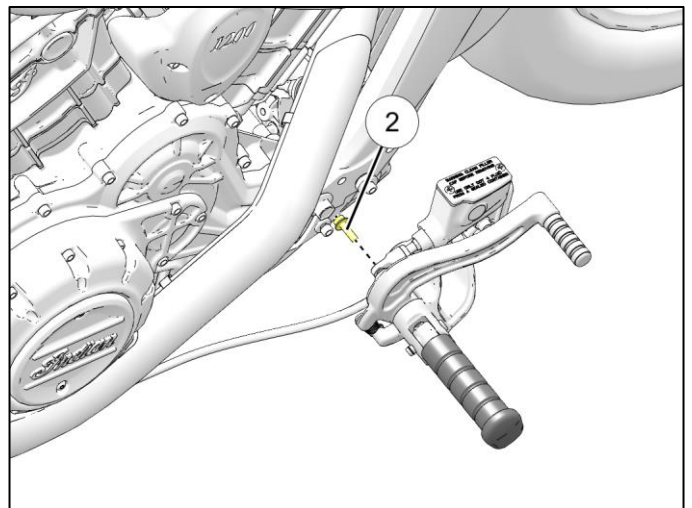
**IMPORTANT:** Keep the master cylinder reservoir in an upright position at all times to ensure air does not enter the brake system during the inspection.

1. Place the motorcycle in an upright position with the front wheel clamped in a wheel vise.
2. Working on the RH side of the motorcycle, remove the two bolts ① securing the foot peg / brake pedal assembly to the frame. Retain the bolts for use during reassembly.

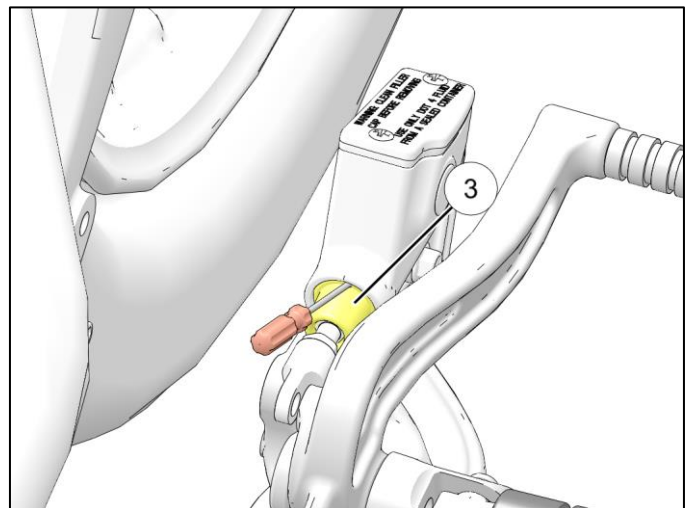


3. Remove and retain the screw ② securing the pushrod clevis to the brake pedal.

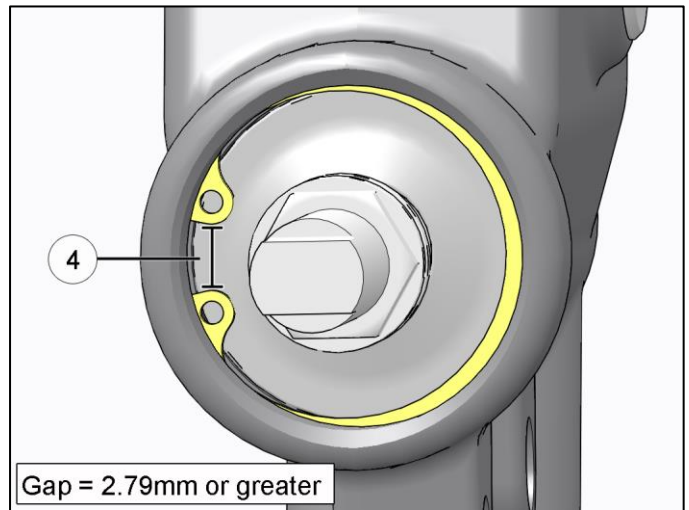
**NOTE:** Remove the bushing from the pushrod and set aside for use during assembly.



4. Remove the dust boot ③ by placing a pick tool (or similar) between the cylinder bore and the O.D. of the boot. Gently run the tool around the diameter of the boot while pulling out of the bore.



5. Hold the master cylinder so the retaining ring gap ④ can be easily viewed during the measurement process.

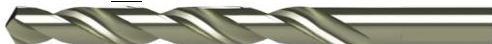


6. Using a 2.79mm (0.110") pin gauge\* ⑤, verify that the end of the gauge fits between the ends of the retaining ring when measured as shown. Measurement should be taken with the gauge against the wall of the master cylinder.  
\*Pin gauge will be supplied to your dealership by Indian Motorcycle.

**IMPORTANT:** The pin gauge only needs to fit into the gap when resting against the wall of the master cylinder. It **DOES NOT** need to pass freely through the gap to pass inspection.

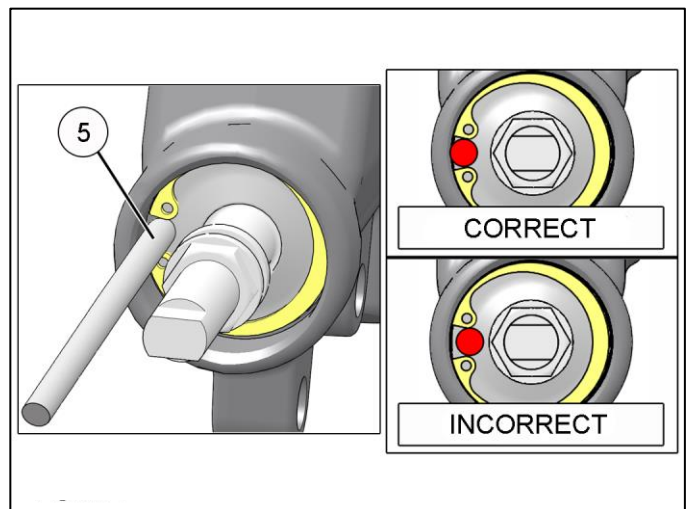
**NOTE:** If a 2.79mm (0.110") pin gauge is not available, it is acceptable to use the shank side of a #35 drill bit (2.79mm). Drill bits used in measuring the gap must have a square end allowing them to sit flush against the face of the washer, between the retaining ring ends.

Drill bit must not be beveled or cut. Round shank **ONLY**.



**SPECIFICATION:**

Retaining Ring End Gap:  $\geq 2.79\text{mm}$  (0.110in)



7. If the pin gauge fits between the ends of the retaining ring, the master cylinder is **not affected** and can be reinstalled. Proceed to step 8.

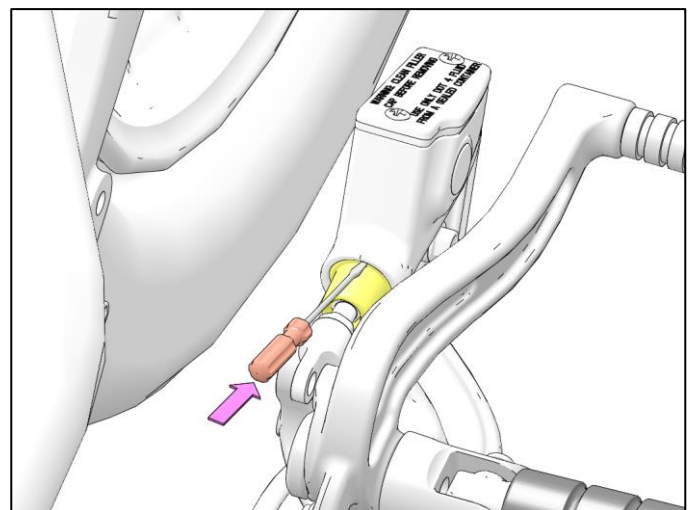
**OR**

If the retaining ring is visibly not seated in the groove, or the specified pin gauge does not fit the ring end gap, **the master cylinder must be replaced.**

Proceed to **REAR MASTER CYLINDER REPLACEMENT** on page 6 of this bulletin.

8. Reinstall the dust boot using a blunt-tipped tool to press into the master cylinder bore until seated against the retaining ring.

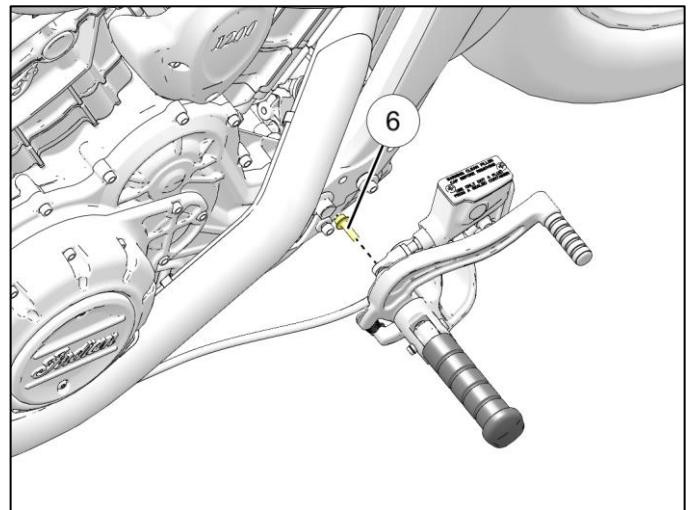
**IMPORTANT:** Use of a blunt / non-sharp tool is necessary so the dust boot is not torn or damaged during installation.



9. Install the bushing in the pushrod clevis with the flare side of the bushing resting against the pedal. Using the screw ⑥ removed in step 3, attach the pushrod clevis to the brake pedal and torque to specification.

**TORQUE:**

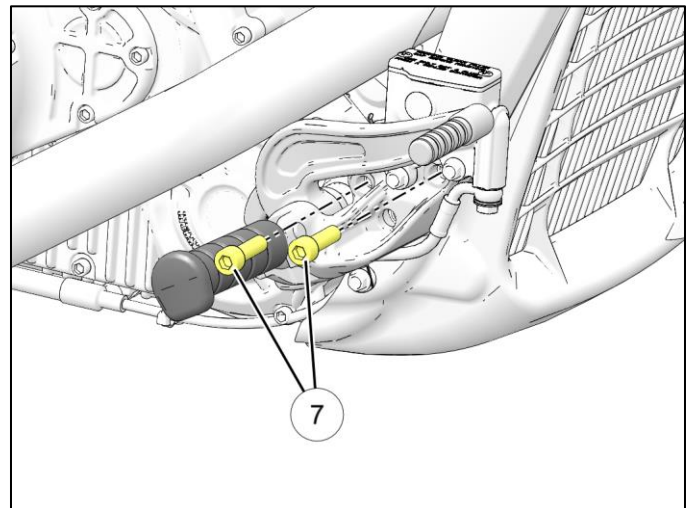
Master Cylinder Clevis Screw: **84 in-lbs (9.5 Nm)**



10. Install the foot peg / brake pedal assembly using the bolts ⑦ that were removed in step 1. Torque to specification.

**TORQUE:**

Foot Peg Mounting Bolts: **35 ft-lbs (47.5 Nm)**

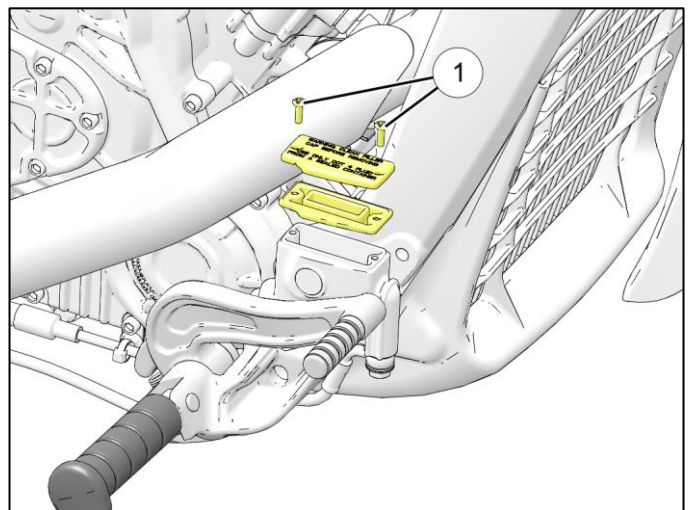


11. Test ride the vehicle and verify proper brake operation and pedal feel.
12. File a warranty claim for I-15-01A if the master cylinder passes the inspection and replacement is not necessary.

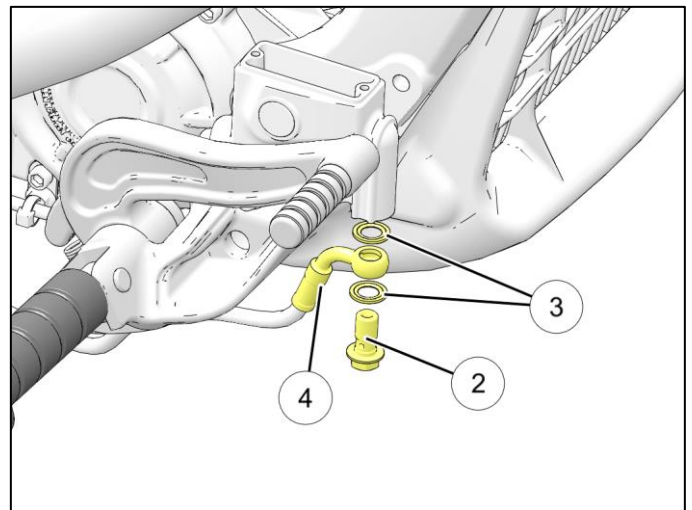
## REAR MASTER CYLINDER REPLACEMENT:

**CAUTION: Brake fluid and brake cleaners will damage paint, plastics and some rubber compounds. Cover or remove plastic and painted parts before working on the brake system. If brake fluid is spilled on cosmetic surfaces, immediately rinse the area with a mild solution of soap and water until all traces of brake fluid are removed. Make sure the master cylinder reservoir is held level before removing the cover.**

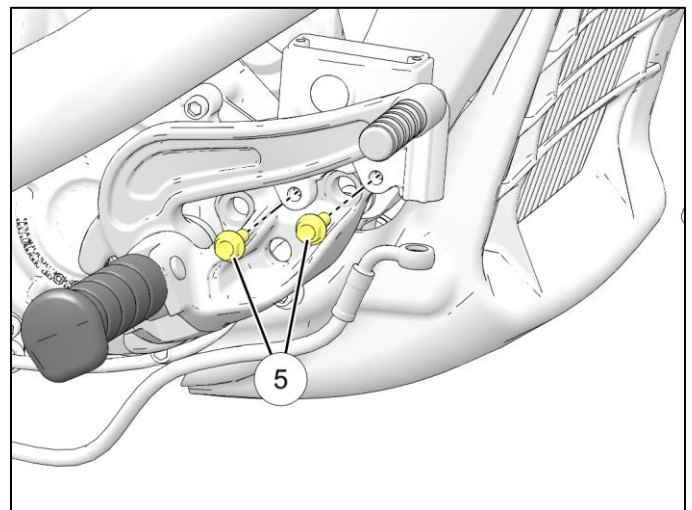
1. Remove the foot peg / brake pedal assembly.
2. Remove the two screws ① securing the reservoir cover to the master cylinder and carefully remove cover and gasket.
3. Using a suitable fluid recovery container, pour out the brake fluid in the master cylinder reservoir and dispose of properly.



4. Remove the brake line banjo bolt ②, sealing washers ③ and brake line ④. Allow remaining fluid to drain into container. Discard sealing washers.
5. Place the open end of the brake line into the fluid container while preparing to install the new master cylinder.

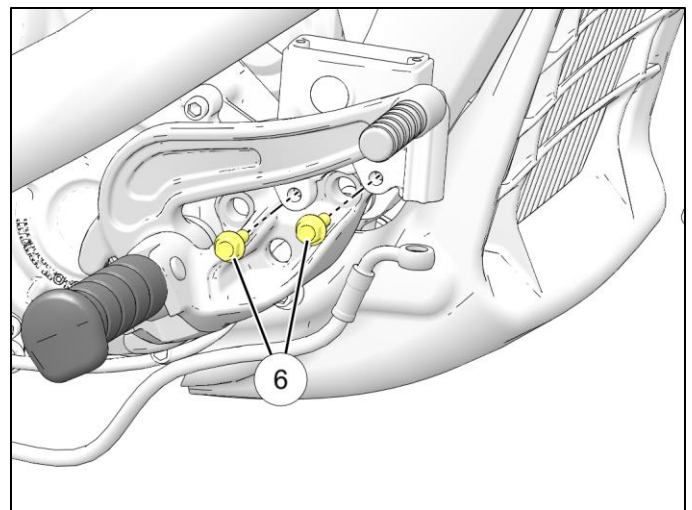


6. Remove the two remaining screws ⑤ securing the master cylinder to the foot peg mounting bracket.



7. Install the new master cylinder to the foot peg mounting bracket. Torque screws ⑥ to specification.

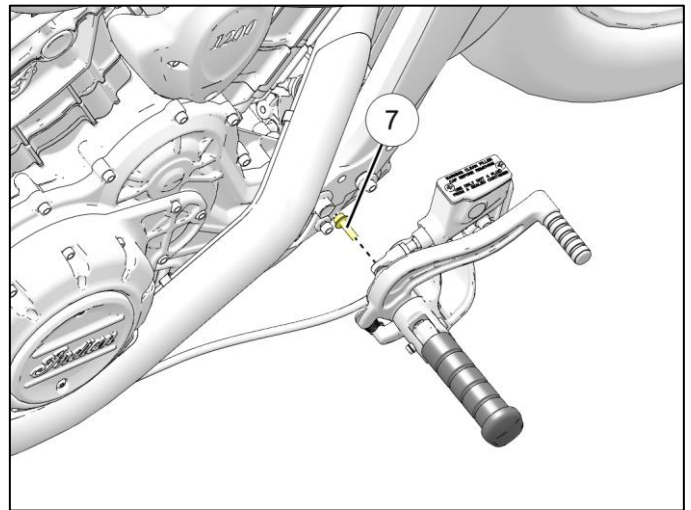
**TORQUE:**  
Master Cylinder Mounting Screws: **96 in-lbs (11.0 Nm)**



8. Install the bushing in the pushrod clevis with the flare side of the bushing resting against the pedal. Using screw ⑦, install the pushrod clevis to the brake pedal. Torque to specification.

**TORQUE:**

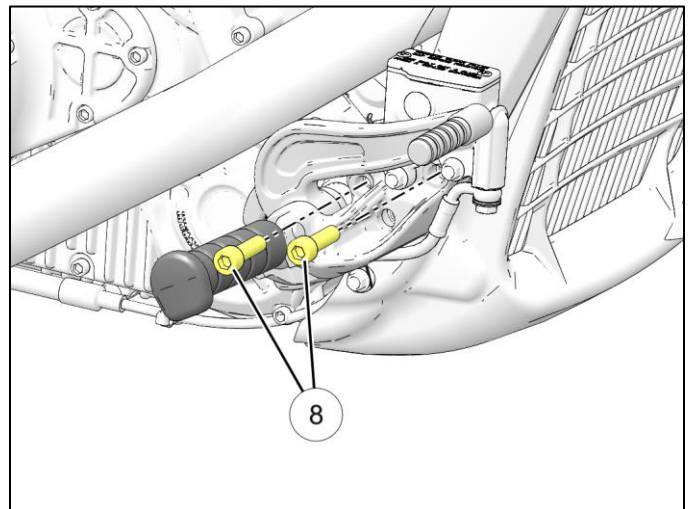
Clevis to Brake Pedal Screw: **84 in-lbs (9.5 Nm)**



9. Install the foot peg / brake pedal assembly to the motorcycle frame. Torque bolts ⑧ to specification.

**TORQUE:**

Foot Peg Mounting Bolts: **35 ft-lbs (47.5 Nm)**



10. Using new sealing washers, install the brake line and brake line banjo bolt to master cylinder and torque to specification.

**TORQUE:**

Brake Line Banjo Bolt: **16 ft-lbs (22.0 Nm)**

11. Bleed the rear brake system as outlined in Chapter 14 of the 2015 Indian Scout Service Manual (PN 9925346).
12. Top up the brake fluid as necessary and install the reservoir cover. Torque screws to specification.

**TORQUE:**

M/C Reservoir Cover Screws: **14 in-lbs (1.6 Nm)**

13. Test ride the motorcycle to verify proper brake operation and pedal feel.
14. File a warranty claim for I-15-01B (Inspect & Replace).