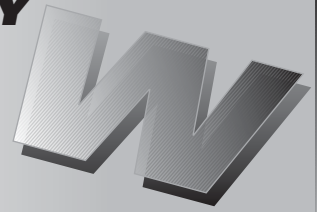




**WARRANTY**  
CAMPAIGN

**ROADSTER**  
**WARRANTY**  
Bulletin



**CAUTION:** All involved customers must be notified, all involved units must be corrected as per instructions herein.

Campaign no.: 2012-0003

March 19, 2012

Subject: **Spyder™ RT – Brake Light Switch (BLS)**  
**Inspection / Replacement**

No. **2012-3**

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2012	Spyder RT series	A3CA, A4CA, A4CB, A4CC, A4CG, A4CJ, A7CA, A7CC, A9CA, A9CC, B5CA, B5CB, B5CC, B9CA, B9CC, B9CE, B9CF, B9CG, B9CH, B9CJ	See attached list

## PROBLEM

On a very limited number of units, the brake light switch (BLS) may not be correctly adjusted. In this case, the vehicle could enter "limp home" mode.

## SOLUTION

Verify BLS operation. Replace RH footrest support assembly (with BLS) if necessary.

NOTE: Considering the required accuracy of the BLS, parts are supplied as an assembly and are adjusted at factory.

## REQUIRED PARTS

Order this part through the normal channel.

NOTE: Order only if the vehicle has to be repaired.

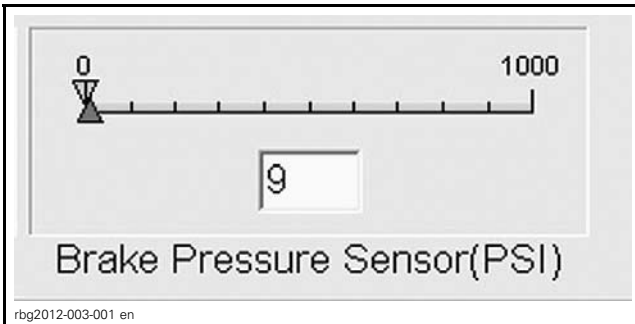
DESCRIPTION	PART NUMBER	QTY
RH footrest support assembly	(P/N 219 800 254)	1

# INSPECTION PROCEDURE

## BLS Operation Testing

1. Connect vehicle to the latest applicable B.U.D.S. version.
2. Select the **Monitoring** and **VCM** tabs.
3. Slowly press on brake pedal until brake lights turn ON. Hold it.
4. Check the pressure displayed in the **Brake Pressure Sensor** box in B.U.D.S..

NOTE: Display reaction may take a few seconds.



**BRAKE PRESSURE SENSOR BOX**

BLS TEST - PEDAL PRESSED	
Brake lights come ON with 70 kPa (10 PSI) or less	Normal, no action required
Brake lights come ON with more than 70 kPa (10 PSI)	Incorrect. Proceed with repair

5. Slowly release brake pedal.

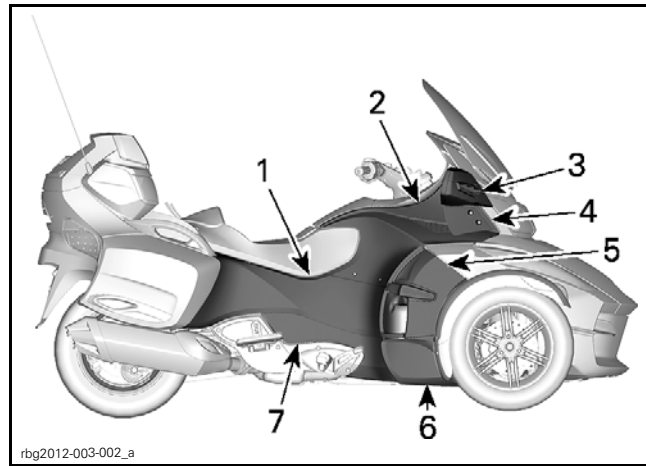
BLS TEST - PEDAL RELEASED	
Brake lights turn OFF when pedal is released	Normal, no action required
Brake lights remain ON when pedal is released	Incorrect. Proceed with repair

6. Repeat this test 3 times (steps 3 to 5).  
If any tests fail at any attempt, proceed with repair.

# REPAIR PROCEDURE

## Access to the RH Footrest Support

1. Refer to the appropriate Shop Manual and remove the following body panels.

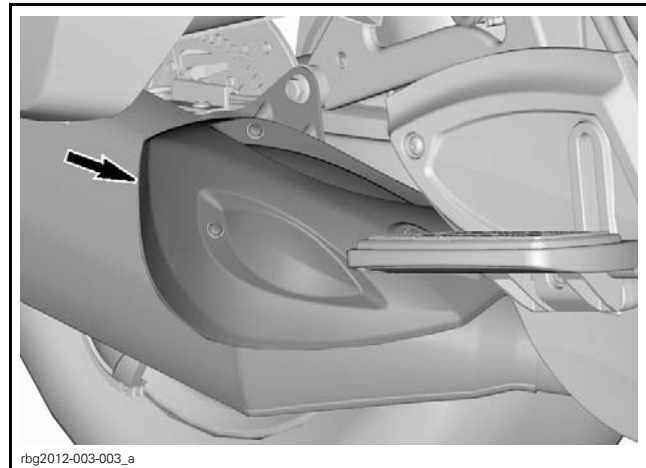


1. *Rear side panel*
2. *Top side panel*
3. *Mirror*
4. *Lower wind deflector*
5. *Middle side panel*
6. *Bottom front side panel*
7. *Bottom rear side panel*

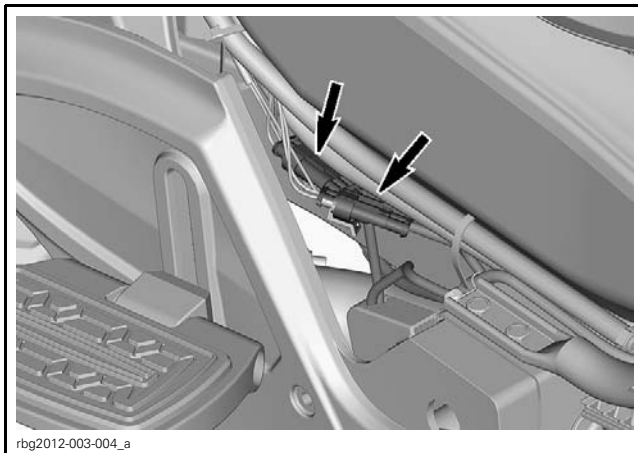
## Footrest Support Removal

Videos are available in the knowledge center for this procedure. See "BLS Replacement - Removal1" and "BLS Replacement - Removal2"

1. Remove the muffler heat shield.

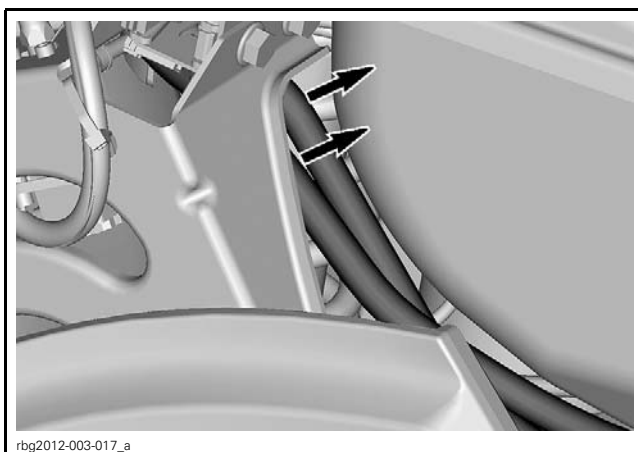


2. Disconnect BLS and LPS connectors.

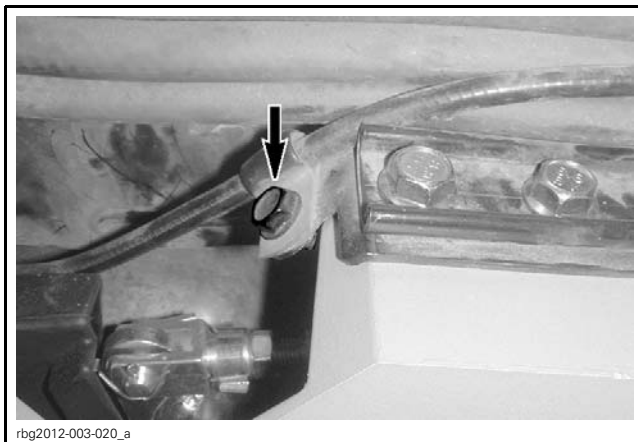


3. Cut the locking tie retaining the BLS wiring.
4. Move brake fluid reservoir hoses off their hook.

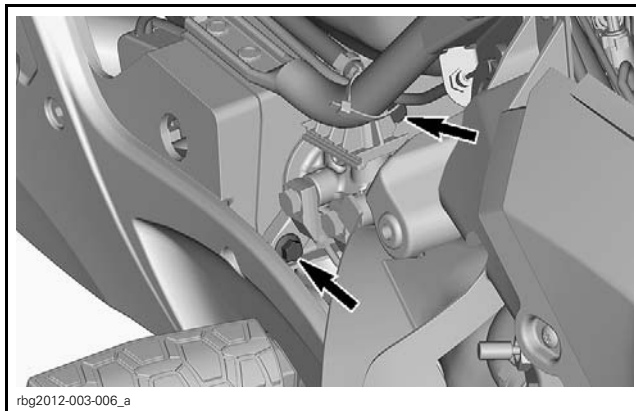
**NOTICE** Do not use any sharp tool.



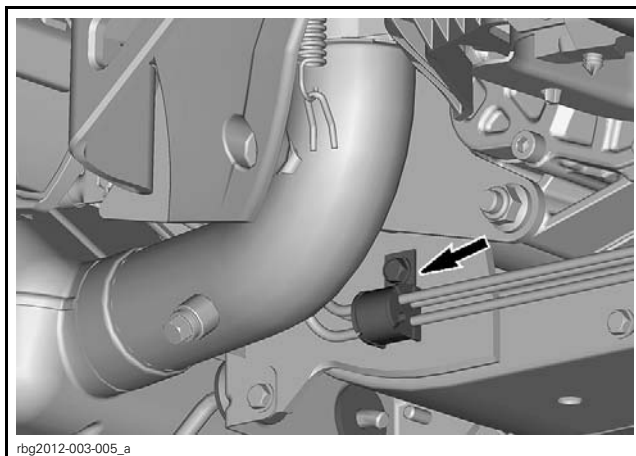
5. Remove the parking brake cable bracket screw.



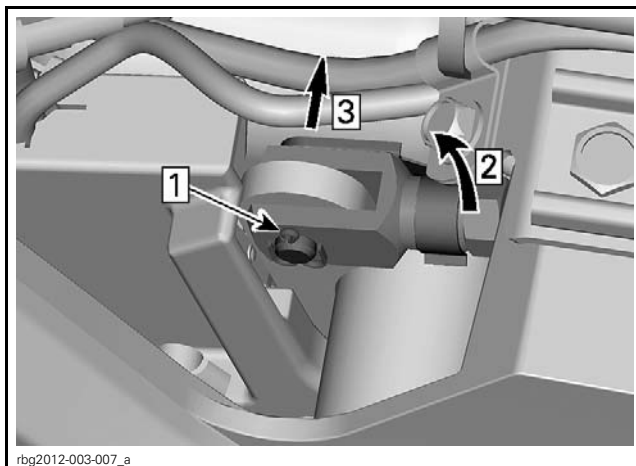
6. Remove the master cylinder screws.



7. Remove the brake lines retainer.

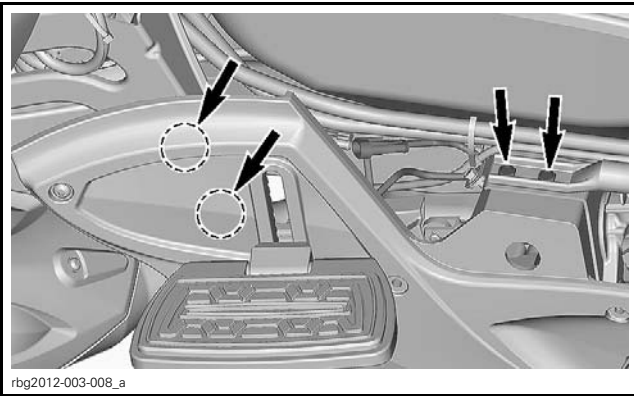


8. Disconnect and remove the master cylinder push rod.



- Step 1: Remove cotter pin  
 Step 2: Unlock pin  
 Step 3: Push pin out

9. Remove the footrest support screws.



10. While constantly pushing the master-cylinder piston in, remove footrest support.

NOTE: See the "BLS Replacement-Removal2" video for handling tips.

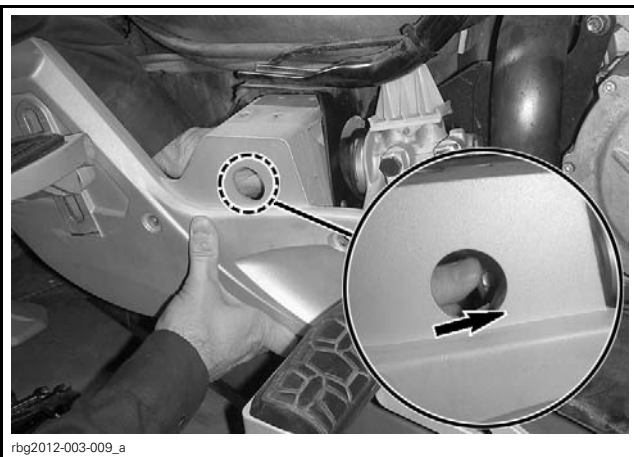


**⚠ WARNING**

If the piston comes out, the master-cylinder must be replaced.

**⚠ WARNING**

The brake system must be bled if any brake fluid leak occurs. Make sure the cause of the leak is identified and corrected before bleeding.

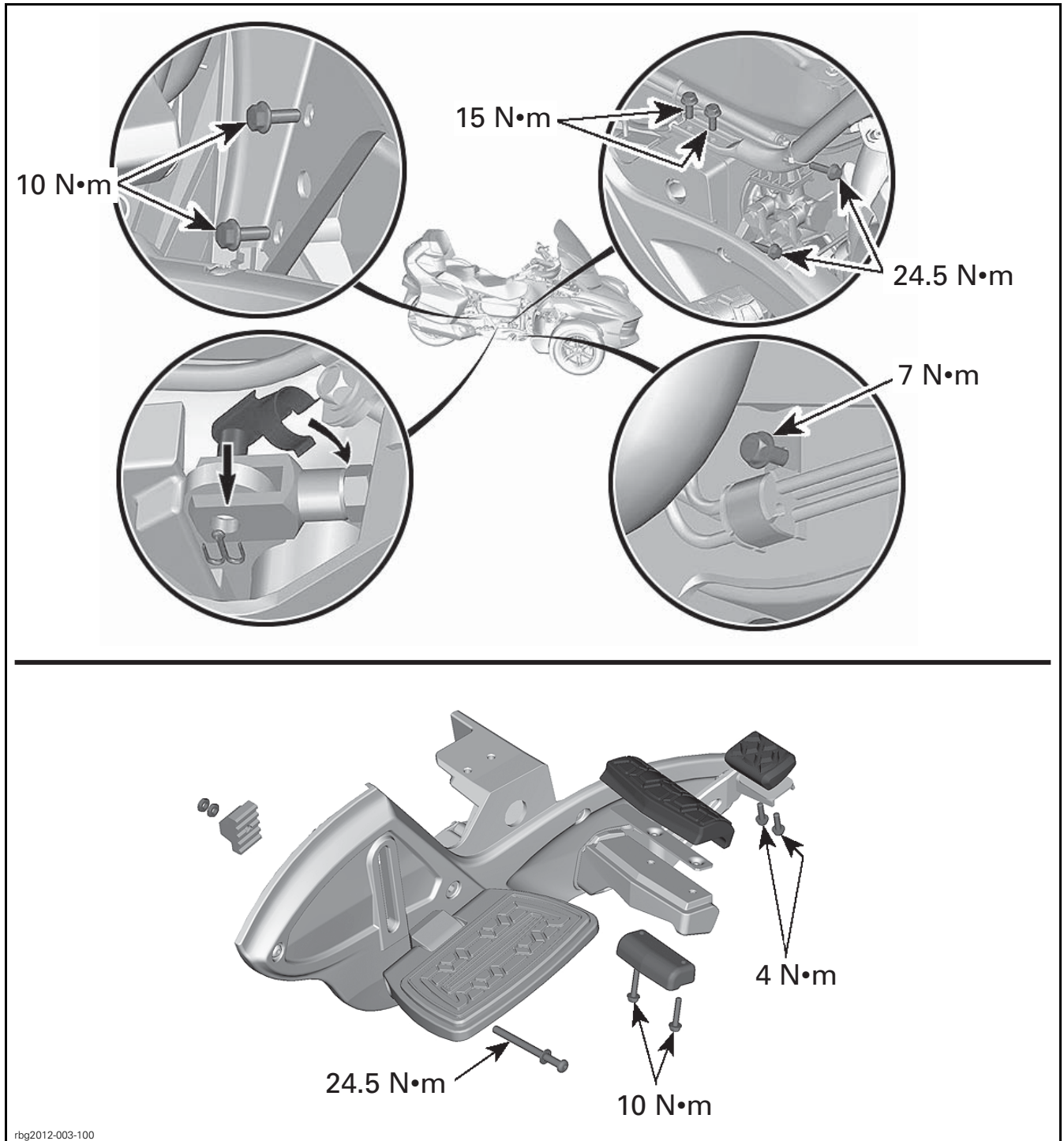


11. Discard:

- Master-cylinder push rod (a new one is supplied with the new footrest support)
- Master-cylinder push rod locking pin
- Master-cylinder screws (2)
- Footrest support screws (4)



## New Footrest Support Installation



Video are available in the knowledge center for this procedure. See "BLS Replacement - Installation1" and "BLS Replacement - Installation2" "BLS Replacement - Installation3"

1. Swap the following parts from the original support to the new one.
  - Passenger footrest.

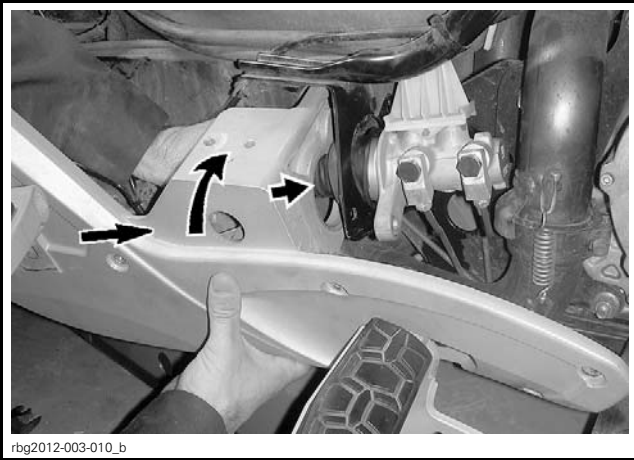
- Front peg rubber pad and damper
- Brake pedal rubber pad.

Keep the old footrest assembly for warranty purposes.

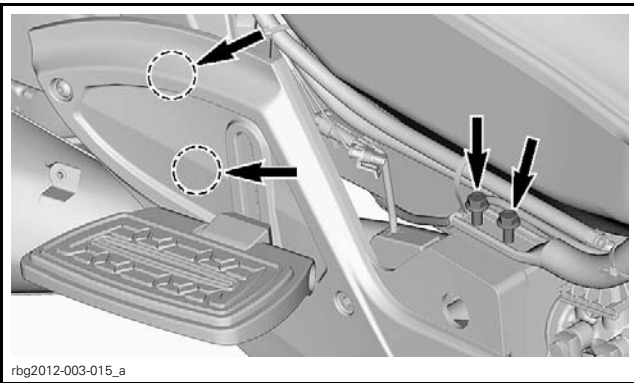
2. While pushing the master-cylinder piston in, pass the footrest support opening on the master-cylinder boot.

NOTE: See the "BLS Replacement-Installation1" video for handling tips.

3. While constantly pushing the master-cylinder piston in, install the footrest support as shown.

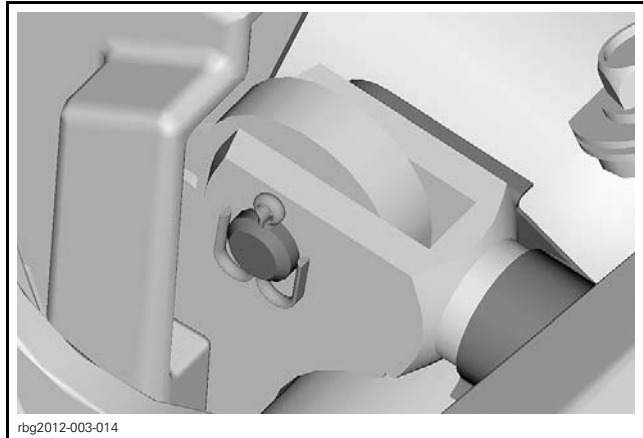
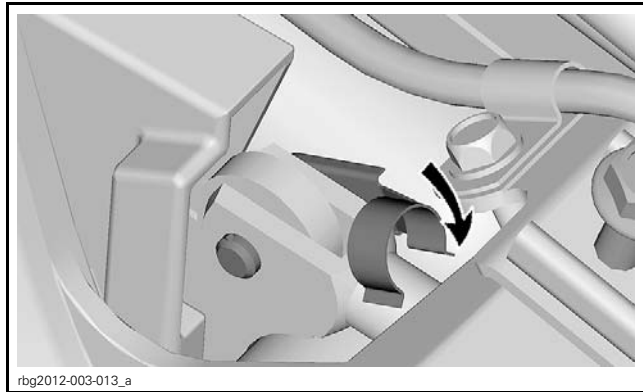
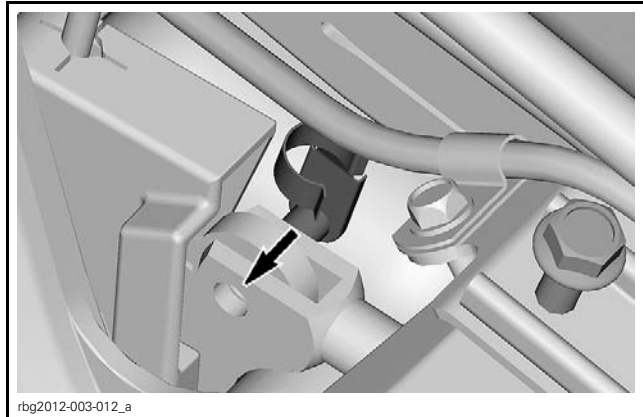
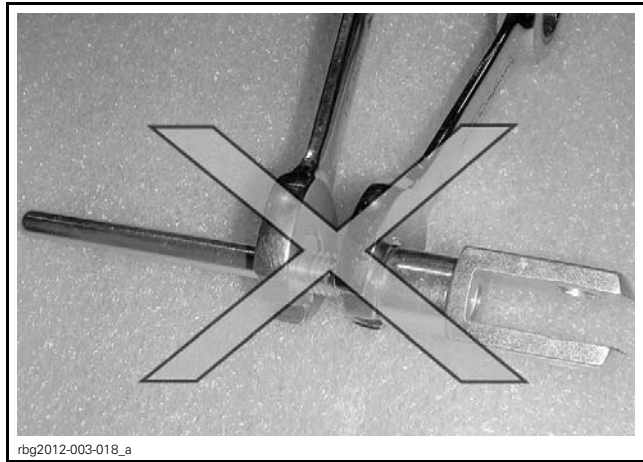


4. Screw in all 4 footrest support screws a few turns.

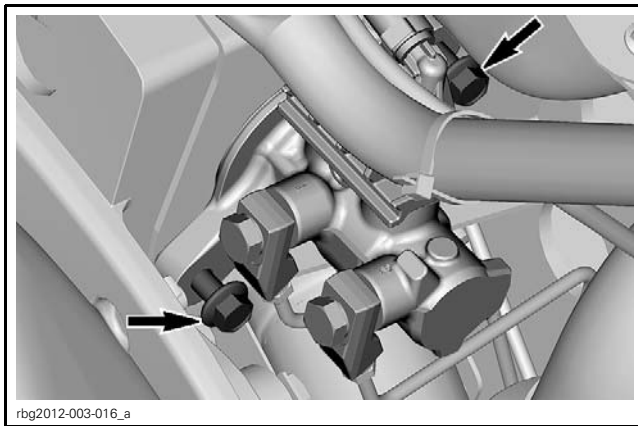


5. Install the master-cylinder push rod.

**NOTICE** DO NOT modify push rod adjustment, it was adjusted at factory.



6. Screw in the master-cylinder screws a few turns.

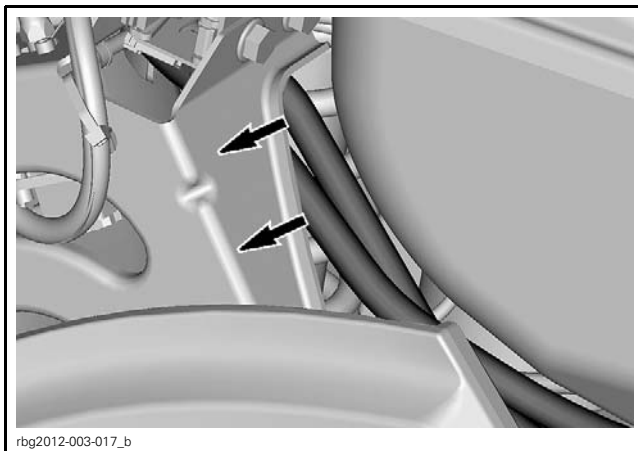


7. Tighten all screws.

TIGHTENING TORQUE	
M6 footrest support screws	10 N•m (89 lbf•in)
M8 footrest support screws	15 N•m (133 lbf•in)
Master-cylinder screws	24.5 N•m (18 lbf•ft)

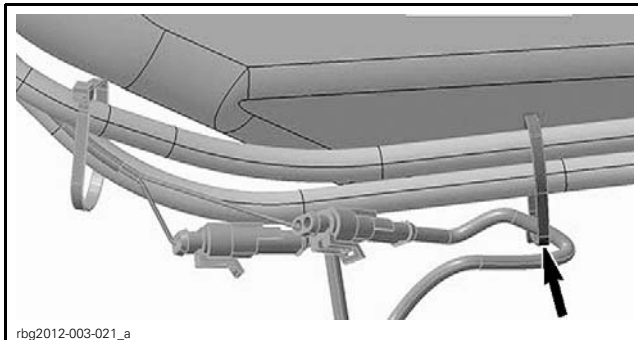
8. Put the brake fluid reservoir hoses back in their hook.

**NOTICE** Do not use any sharp tool.



9. Connect BLS and LPS connectors.

10. Install BLS wiring locking tie.

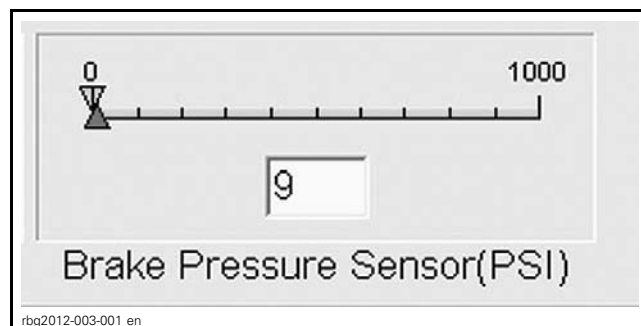


11. Install parking brake cable bracket screw.
12. Install brake lines retainer.

## BLS Operation Testing

1. Connect vehicle to the latest applicable B.U.D.S. version.
2. Select the **Monitoring** and **VCM** tabs.
3. Slowly depress brake pedal until brake lights turn ON. Hold it.
4. Check the pressure displayed in the **Brake Pressure Sensor** box in B.U.D.S..

NOTE: Display reaction may take a few seconds.



BRAKE PRESSURE SENSOR BOX

BLS TEST - PEDAL PRESSED	
Brake lights come 70 kPa (10 PSI) or less	Normal, no action required
Brake lights ON with more than 70 kPa (10 PSI)	Incorrect. Proceed with repair

BLS TEST - PEDAL RELEASED	
Brake lights turn OFF when pedal is released	Normal, no action required
Brake lights remain ON when pedal is released	Incorrect. Proceed with repair

5. Repeat this test 3 times.

If test fails at any attempt, call BRP service department.

If BLS is OK, keep vehicle connected to B.U.D.S. and carry out *SYSTEM PRESSURE TEST*.

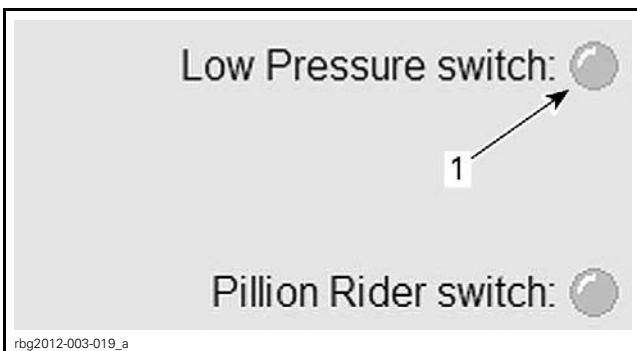
## System Pressure Test

1. Select **Monitoring** and **VCM** tabs.
2. While firmly pressing on the brake pedal, monitor:
  - Low Pressure Switch indicator
  - Brake Pressure Sensor Box



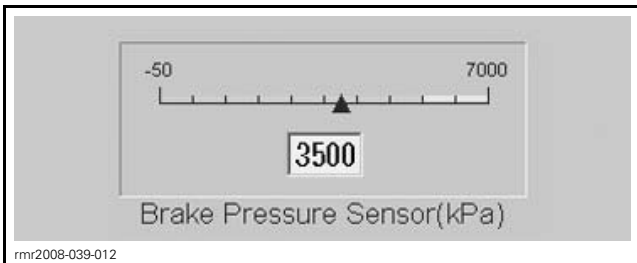
rmr2008-039-011\_a

TYPICAL



rbg2012-003-019\_a

1. Low Pressure Switch indicator



rmr2008-039-012

BRAKE PRESSURE SENSOR BOX

SYSTEM PRESSURE TEST	
LPS indicator ON with at least 3 500 kPa (508 PSI)	System is correct
LPS indicator ON with less than 3 500 kPa (508 PSI)	Air in the system or fluid leak. Repair and/or bleed system and test again

3. Visually inspect brake lines and hoses to make sure they are not bent.
4. Refer to the appropriate Shop Manual and re-install
  - Muffler heat shield
  - Body panels.

## WARRANTY

Submit a warranty claim using the following information:

For claiming procedure, refer to the *DEALER/DISTRIBUTOR WARRANTY GUIDE*.

## Inspection

INSPECT	
Campaign Number	2012-0003
Claim Type	Campaign Claim
Action	Inspect
Flat Rate Time	0.3 hour
Expiry Date	December 31 <sup>st</sup> 2014

Click in the **Inspect** check box.



mbg2012-010-004\_aen

## Inspection and Repair

INSPECT AND REPAIR	
Campaign Number	2012-0003
Claim Type	Campaign Claim
Action	Inspect and repair
Flat Rate Time	1.5
Expiry Date	December 31 <sup>st</sup> 2014

1. If part was replaced, click in **both** the **Inspect** and **Repair** check boxes.



mbg2012-010-004\_cen

## Mandatory Parts Return

Dealers and distributors are required to return removed parts to support their claims.



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<b>PART DESCRIPTION</b>
Footrest assembly

## Shipping Addresses

USA DEALERS	BRP c/o Warranty Department 7575 Bombardier Court Wausau, WI 54401
CANADIAN DEALERS	BRP Warranty Parts Inspection Center 565 de la Montagne Valcourt, QC, JOE 2L0
OTHERS COUNTRIES	Contact your local distributor or BRP Regional Office.

## Warranty Shipping Address Decals

Warranty shipping address decals can be ordered if needed.

COUNTRY	P/N
U.S.A.	480 901 601
Canada	484 500 001

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# SERIAL NUMBER LISTING OF INVOLVED VEHICLES

**Model: A3CA**

000746  
From 000748 to 000751  
From 000753 to 000754  
000758  
From 000760 to 000763  
From 000765 to 000770  
000772  
000774  
From 000777 to 000779

**Model: A4CA**

From 000661 to 000697  
000818  
From 000821 to 000829  
000832  
From 000834 to 000836  
From 000840 to 000841  
000843  
000845  
000847  
000851  
From 000853 to 000854  
000856  
From 000859 to 000860  
From 000863 to 000889  
001024  
001029  
001050  
001058

**Model: A4CB**

000701  
000706  
000708

**Model: A4CC**

From 000409 to 000423  
From 000425 to 000433  
000438  
From 000441 to 000442  
000445  
000449  
000452  
From 000481 to 000483  
000492  
000496  
From 000500 to 000502  
000504  
From 000506 to 000507  
000513  
000525  
000533  
From 000539 to 000540  
From 000545 to 000546

**Model: A4CC (cont'd)**

000550  
From 000555 to 000557

**Model: A4CG**

From 000505 to 000523  
From 000525 to 000526  
From 000529 to 000560  
From 000562 to 000565  
From 000567 to 000591  
From 000593 to 000595  
From 000597 to 000604  
From 000606 to 000608  
From 000610 to 000623  
000703  
000707  
000709  
000711  
From 000720 to 000721  
From 000723 to 000724  
From 000727 to 000729

**Model: A4CJ**

From 000495 to 000496  
000500  
000502

**Model: A7CA**

From 000722 to 000724  
From 000728 to 000733  
From 000735 to 000742

**Model: A7CC**

From 000653 to 000655  
000657  
000762

**Model: A9CA**

From 000782 to 000783  
000789  
From 000791 to 000793  
000798  
From 000802 to 000803  
000805  
From 000807 to 000817

**Model: A9CC**

From 000457 to 000492  
000665  
000671  
000673  
From 000681 to 000683  
From 000685 to 000686

**Model: B5CA**

From 000710 to 000721  
000945

**Model: B5CB**

000746  
From 000748 to 000749

**Model: B5CC**

From 000457 to 000470  
000473  
000475  
000477  
From 000479 to 000480

**Model: B9CA**

000795  
000798  
000812  
From 000821 to 000824  
From 000826 to 000830

**Model: B9CC**

From 000481 to 000519  
From 000521 to 000555  
From 000557 to 000624  
000626  
000629  
From 000631 to 000641  
From 000643 to 000644  
From 000646 to 000654  
From 000656 to 000659  
000661  
From 000663 to 000668  
000671  
000675  
From 000677 to 000686  
From 000689 to 000691  
000693  
000697  
000702  
000706  
From 000708 to 000711  
From 000713 to 000722  
000724  
From 000726 to 000728  
From 000737 to 000738  
000741  
000769  
000802

**Model: B9CE**

From 000663 to 000714  
From 000716 to 000753  
From 000755 to 000761  
From 000763 to 000766  
From 000768 to 000770  
000840  
000847  
000852

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**Model: B9CE (cont'd)**

000866

000868

From 000873 to 000875

000878

From 000881 to 000883

000885

From 000889 to 000890

000898

From 000901 to 000903

From 000905 to 000907

000910

000912

000978

**Model: B9CF**

000640

000642

000645

000658

000661

000988

**Model: B9CG**

000783

From 000789 to 000790

From 000792 to 000794

**Model: B9CH**

From 000469 to 000478

**Model: B9CJ**

From 000771 to 000776

From 000778 to 000779

From 000781 to 000782