

**ATTENTION:**

- GENERAL MANAGER
- PARTS MANAGER
- CLAIMS PERSONNEL
- SERVICE MANAGER

IMPORTANT - All Service Personnel Should Read and Initial in the boxes provided, right.


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QUALITY DRIVEN® SERVICE

## PRODUCT CAMPAIGN BULLETIN

**APPLICABILITY:** 2023 MY Impreza

**NUMBER:** WRI-23

**SUBJECT:** Safety Recall/STOP SALE – Stop Lamp Switch Adjustment

**DATE:** 04/26/23

**NHTSA ID:** 23V-292

Subaru of America, Inc. (Subaru) is initiating a new safety recall and stop sale for certain 2023 model year Impreza vehicles that may contain a stop lamp switch that was improperly adjusted during assembly.

### ***Description of the Defect and Safety Risk***

During the manufacturing of the brake pedal assembly, the brake lamp switch may not have been appropriately adjusted to allow the specified gap between the switch and the stopper. This potential condition may cause the brake lamps to illuminate without application of the brake pedal.

Brake lamp illumination without driver input may confuse other drivers, increasing the risk of a crash.

### ***Remedy***

For all potentially affected vehicles, Subaru retailers will inspect the gap between the stop lamp switch and the stopper, and if necessary, adjust the switch to allow for the proper gap. If it is necessary to adjust the switch, Subaru retailers will check, and if necessary, charge or replace the 12V battery in the vehicle. Please refer to the service procedures contained within this bulletin for detailed information.

### ***Affected Vehicles***

A total of 4,030 U.S. Subaru Impreza vehicles will be affected by this recall, as listed below:

Model Year	Carline	Production Date Range
2023	Impreza	February 1, 2023 – March 20, 2023

Not all vehicles in the production date range listed above are affected by this recall. Coverage must be confirmed by using the Vehicle Coverage Inquiry function on [subarunet.com](http://subarunet.com) prior to repair.

**CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.**

Subaru Service Bulletins are intended for use by professional technicians ONLY. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, DO NOT assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.

**Subaru of America, Inc. is ISO 14001 Compliant**

ISO 14001 is the international standard for excellence in Environmental Management Systems. Please recycle or dispose of automotive products in a manner that is friendly to our environment and in accordance with all local, state and federal laws and regulations.

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## ***Retailer Responsibility***

***Please be advised that it is a violation of Federal law for a dealer to deliver a new motor vehicle covered by a recall under a sale or lease until the defect is remedied. Therefore, any Authorized Subaru Retailer failing to perform the applicable service procedures to correct all affected vehicles in their inventory prior to the vehicle being placed in service may be subject to civil penalties of up to \$26,315 per violation (i.e., for each vehicle), as provided in 49 CFR §578.6 and will also be in breach of the Subaru Dealer Agreement.***

Any vehicles listed in any recall/campaign that are in retailer stock must be:

- Immediately identified
- Tagged or otherwise marked to prevent their delivery or use prior to repair
- Repaired in accordance with the repair procedures outlined in the Product Campaign Bulletin

Retailers are to promptly perform the applicable service procedures, to correct all affected vehicles in their inventory (used, demo & SSLP). Whenever a vehicle subject to this recall is taken into retailer inventory necessary steps should be taken to ensure the recall correction has been made before selling or releasing the vehicle.

### ***Owner Notification***

Owners will be notified by first class mail in May. Retailers will be notified when the owner notification has been scheduled.

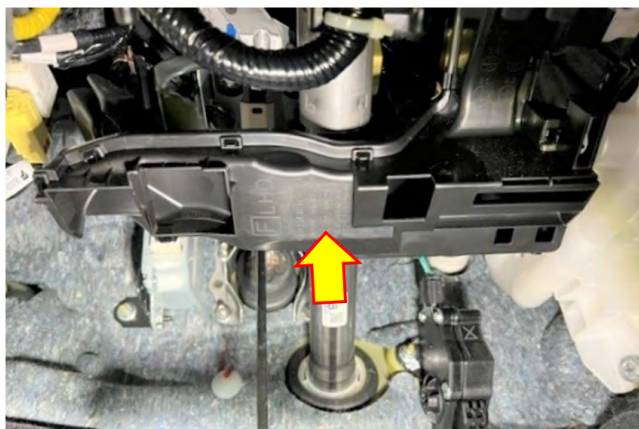
## **SERVICE PROCEDURE / INFORMATION:**

### **REQUIRED MATERIALS:**

- Inspection: Feeler Gauge
- Adjustment: Measuring tape (at least 36 inches long)
- Adjustment: Non-marking Painter's tape
- Adjustment: Sharp-tipped marker

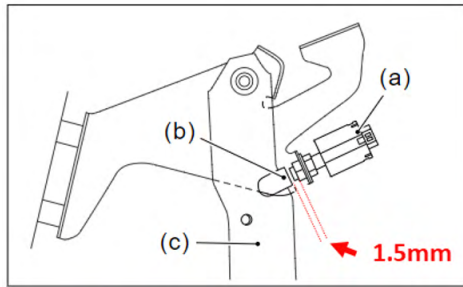
### **STOP LAMP SWITCH PLUNGER EXTENSION LENGTH INSPECTION PROCEDURE:**

**STEP 1:** Remove the left front footwell air duct.



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**STEP 2:** Using a feeler gauge, check the switch plunger extension length between the stop lamp switch threads and the stopper section of the brake pedal.



- (a) Stop light switch
- (b) Stopper
- (c) Brake pedal



**The plunger portion of the switch should extend between the stopper section of the brake pedal and the stop lamp switch threads 1.5mm (0.06 in) in length.**

- If the plunger extension length found is the specified value, then no further service procedures are required. Reinstall the left front footwell air duct.
- If the plunger extension length found is not the specified value, an adjustment will be required. Proceed to the adjustment section of this bulletin located on page #4.

## **STOP LAMP SWITCH PLUNGER EXTENSION ADJUSTMENT PROCEDURE**

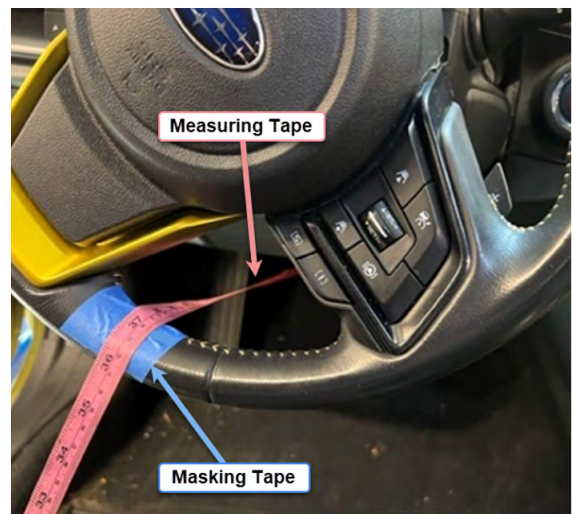
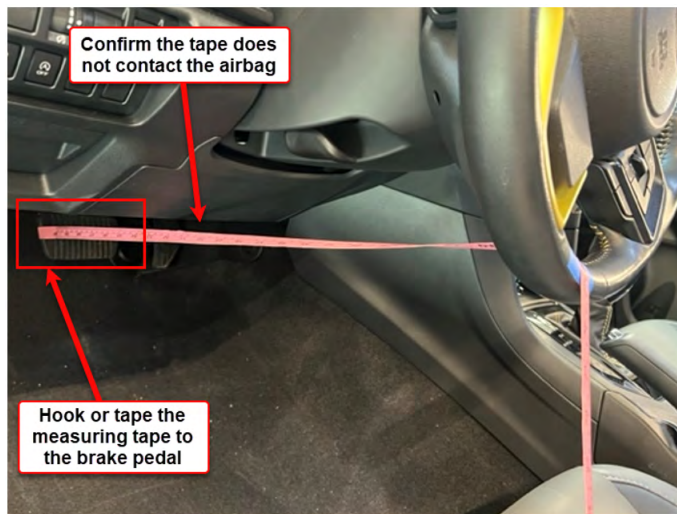
**STEP 1:** Adjust the steering column to the lowest point and the telescopic position closest fully inward toward the instrument panel. Slightly turn the steering wheel to the right until it is locked.

**STEP 2:** Refer to the applicable Service Manual and review: General Description > Repair Contents > Action required before & after Battery Disconnect. CAREFULLY disconnect the negative battery cable from the battery sensor.

**STEP 3:** Apply non-marking painter's tape to the bottom of the steering wheel to be used for making a reference mark.

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**NOTE:** If needed and to maintain consistency, apply a piece of tape to the brake pedal to be used as a reference mark when making measurements. The end of the measuring tape can also be taped to the pedal itself.



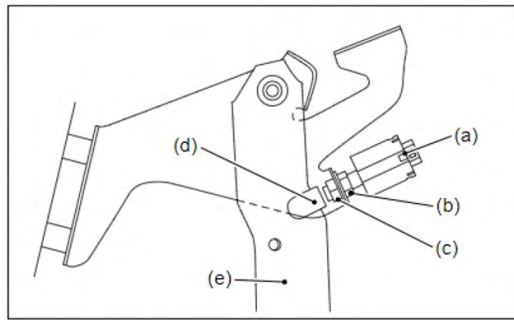
**STEP 4:** Write a reference mark on the taped section of the steering wheel. Make a measurement to the brake pedal in its current position and record it.



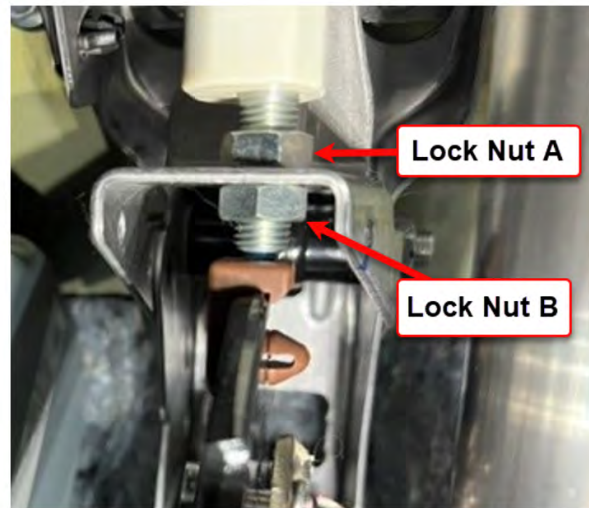
**STEP 5:** Press the brake pedal until the stop lights come on (a second person or the SSM4 with the stop lamp switch PID selected) then measure again to determine the extension of the switch.

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**STEP 6:** Loosen lock nut A. Turn lock nut B to adjust the stop lamp switch plunger extension. Turning lock nut B by 90 degrees will adjust the extension length approximately 0.15mm. Once the desired length is achieved, tighten lock nut A to 8nm (0.8 kgf-m, 5.9 ftlbs).



- (a) Stop light switch
- (b) Lock nut A
- (c) Lock nut B
- (d) Stopper
- (e) Brake pedal



**IMPORTANT:** Never adjust the pedal stroke to less than 3mm. Doing so may cause the stop lamp to illuminate without pressing the brake pedal.

**STEP 7:** Reinstall the left front footwell air duct.

**STEP 8:** Reconnect the ground cable terminal to the battery sensor, torque to 11nm (8.1ft.-lbs. or 97.2inch.-lbs.) while supporting the sensor with the other hand as outlined in the applicable Service Manual under: STARTING/CHARGING SYSTEMS > Battery Sensor.

**STEP 9:** Connect the DCA-8000 to the vehicle battery. Perform an In-Vehicle Charge and Test. Patiently wait for the battery test results. Further testing information can be found in **TSB 07-178-21R.**

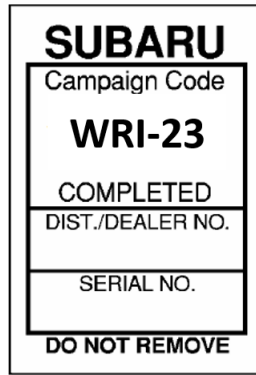
- **Good Battery** – The battery is good. No further action is required.
- **Good Recharge** – The battery is good but also discharged. Use the DCA-8000 to charge the battery. The battery **MUST** be fully charged before returning the vehicle to the customer.
- **Charge & Retest** – The battery condition is discharged and should be charged for a decisive evaluation. Continue charging the battery using the DCA-8000 and await the final decision.
- **Replace Battery** – The battery is faulty. Record the 14-digit test code and replace the battery following the work procedures outlined in the applicable Service Manual. Refer to STIS: Engine > STARTING/CHARGING SYSTEMS > Battery
- **Bad-Cell** - The battery is faulty. Record the 14-digit test code and replace the battery following the work procedures outlined in the applicable Service Manual. Refer to STIS: Engine > STARTING/CHARGING SYSTEMS > Battery

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**SERVICE PROGRAM IDENTIFICATION LABEL:**

Type or print the necessary information on a Campaign Identification Label. The completed label should be attached to the vehicle’s upper radiator support. Additional labels are available through normal parts ordering channels. The part number is **MSA6P1302**, which comes as one sheet of 20 labels.

Part Number	Applicability	Description	Order Quantity
MSA6P1302	All Models	Campaign Completion Labels (contains one sheet of 20 labels)	1



**CLAIM REIMBURSEMENT AND ENTRY PROCEDURES:**

Credit to perform this recall will be based on properly completed repair order information. Retailers may submit claims through [Subarunet.com](http://Subarunet.com).

**NOTE:** The 14-digit battery test code is required for battery replacement recall claim submission.

Labor Description	Labor Operation #	Labor Time	Fail Code
STOP LAMP SWITCH CLEARANCE CHECK	A166-351	0.2	WRI-23
STOP LAMP SWITCH CLEARANCE ADJUSTMENT, BATTERY CHECK	A166-352	0.3	
STOP LAMP SWITCH CLEARANCE ADJUSTMENT, BATTERY CHECK & CHARGE (NO BATTERY REPLACEMENT)	B166-353	0.4	
ADDITIONAL CHARGING*	C166-444	0.2	
STOP LAMP SWITCH CLEARANCE ADJUSTMENT & BATTERY REPLACEMENT	A166-354	0.6	
STOP LAMP SWITCH CLEARANCE ADJUSTMENT, BATTERY CHARGE & REPLACEMENT	B166-355	0.7	
ADDITIONAL CHARGING*	C166-444	0.2	

\* Can be claimed if charging exceeds one hour and additionally for each subsequent hour of charging necessary to achieve a complete charge.

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**IMPORTANT REMINDERS:**

- SOA strongly discourages the printing and/or local storage of service information as previously released information and electronic publications may be updated at any time.
- Always check for any open recalls or campaigns anytime a vehicle is in for servicing.
- Always refer to STIS for the latest service information before performing any repairs.