



Service Bulletin

Warranty Department / Motorcycle Division
Bulletin: GS/GSX/GSX-R No. 183
Date: June 30, 2008
Subject:

Safety Recall Campaign # 2A05 CERTAIN 2008 GSX- 1300R K8 (Hayabusa) IGNITION SWITCH LEAD WIRE INSPECTION / REPLACEMENT

¿What is the problem?

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Suzuki Motor Corporation has determined that certain GSX-1300R K8 (Hayabusa) motorcycles may have the ignition switch lead wire improperly routed. Handlebar movement can result in abnormal flexing and the damage to the ignition switch lead wire. Damage to the ignition switch lead wire can result in intermittent or complete loss of electrical power, which can result in loss of lighting and / or stalling of the engine. This could result in a crash.

STOP DELIVERY OF 2008 GSX-1300RK8 MODEL MOTORCYCLE IMMEDIATELY

DO NOT DELIVER an affected **NEW** or **USED** 2008 **GSX-1300RK8 (Hayabusa)** model motorcycle to a customer until you have completed, or verified completion of, the procedure in this bulletin.

It is a violation of Federal law to deliver any new vehicle subject to a safety recall campaign under a sale or lease until the defect or noncompliance has been corrected.

¿What Suzuki is doing ?

Suzuki is recalling affected units for inspection of the ignition switch lead wire routing. You will correctly rerouted or replace the ignition switch lead wire portion of the ignition switch assembly. Instructions are provided in this bulletin for correct routing and replacement of the ignition switch lead wire to prevent failure.

Affected Unit VIN Range:

Models		Starting VIN	Ending VIN	Qty
GSX 1300R K8	E03	JS1GX72A*82101015 ~ JS1GX72A*82111317		402

Check if the campaign has been performed

Repairs under this campaign may have been previously performed by another dealer. Please check the Kerridge system on claim history if is in doubt. Inspect the right side of the frame head tube for an identification punch mark located **at the beginning** of the VIN if a punch mark is present the recall repair has been already been performed.

■ **JS1GT77A872100921**What the dealer will do**Owner Notification**

Suzuki owners will be notified in one mailing starting around **July 11, 2008** of this customer safety campaign. Please refer to the owner notification letter. Customers are been advised to contact the Suzuki dealer where they purchased their affected unit to schedule an appointment to have the inspection of the ignition switch lead wire routing. As some customers may have moved to other communities since their motorcycle purchase, you may also received calls from customers who purchased their motorcycle elsewhere. Please arrange to order the ignition switch set trough the Warranty Department for the customer's motorcycle. Also, let your customer know that the Safety Recall Campaign service will be performed at no cost to them for part and labor.

Parts Information:

No.	P/No.	Part Name	Qty
1	37100-15H30-X00	Ignition Switch Set	1

The parts for this Recall will be requested to the Warranty Department, Suzuki Del Caribe.

Dealers Campaign Responsibility:

Dealers are to perform this important Safety Recall campaign on any new, as well as all in-stock used and customer affected vehicles regardless of vehicle age, mileage.

According to federal law, all affected in-dealer stock inventory, if any, subject to this Safety Recall campaign must be completed prior to the retail sale or lease of the affected vehicle.

Claim process management

The claim process will be handle trough the Kerridge System using the automatic selection method under Campaign code "**LM 2A05 GSX1300 IS**". Use the Warranty Policy and Procedure Manual of SDC for references.

Labor Hours and Claim Information

CC: 99

DC: LM

Causal part: 37100-15H30-X00 Qty 0

**Basic Code: SF 9999= 0.3 hr (inspection & correction ign. Sw. lead wire)
1.3 hr (inspection, replacement ign. sw. lead wire)**

PROCEDIMIENTO DE INSPECCION DE INSTALACION O REEMPLAZO DEL HARNEES DEL INTERRUPTOR DE ENCENDIDO

Replacement parts & Special tool

		Part name	Qty	Note
IGNITION SWITCH SET (37100-15H30-X00)	1	IGNITION SWITCH	1	Using base part only
	2	SCREWS	2	Mounted on IGNITION SWITCH
	3	BOLT M8	2	Torx head, Pre-coat bolt
	4	CAP	2	



SCREW REMOVER (S050624-001)

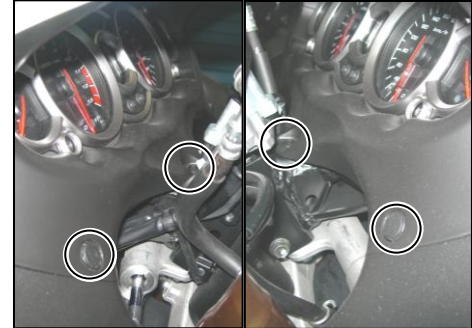


SPECIAL TOOL This is not Suzuki genuine special service tool.

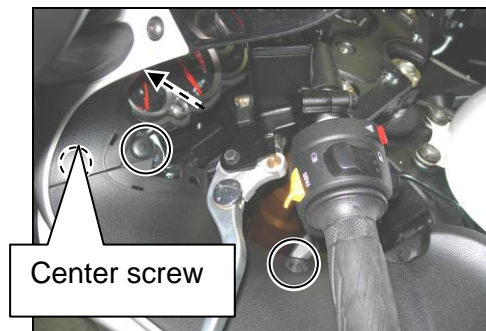
Note: Refer to the Service Manual for references that are not showing on this procedure:

I . Ignition Switch lead wire routing, Inspection and Correction

- 1) Remove the rear meter panel with removing the mounting screw and clips.



- 2) Remove the Meter left panel mounting clips.
- 3) Remove the clip which is located on meter panel left side.
- 4) Remove the center screws of the meter left panel with pulling edge of meter upper panel a little. Remove the meter left panel.

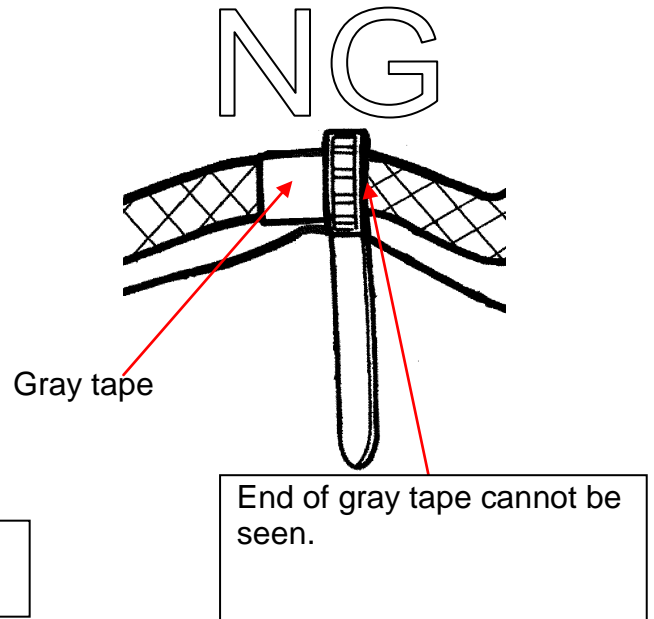
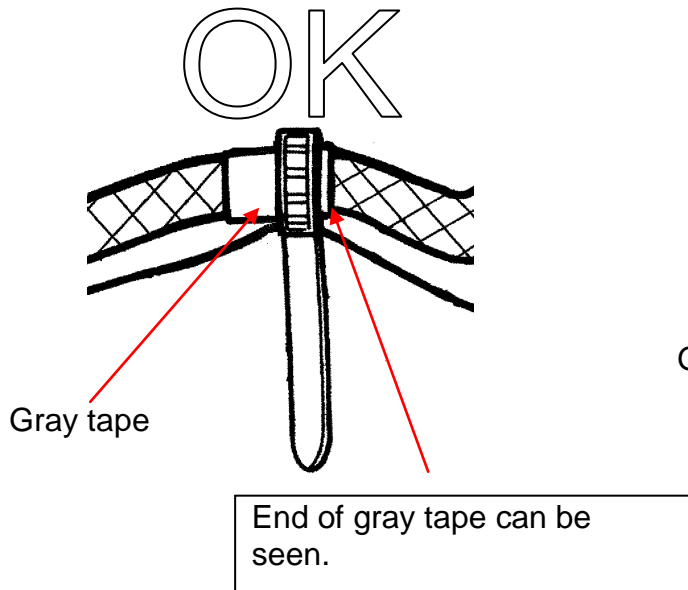


- 5) Confirm IG lead wire is clamped on gray tape position.

Caution

- Make sure both end of Gray tape should be visible at both side of clamp.

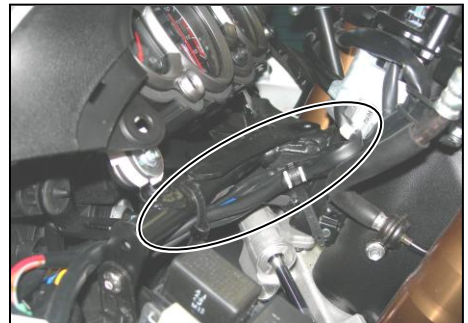
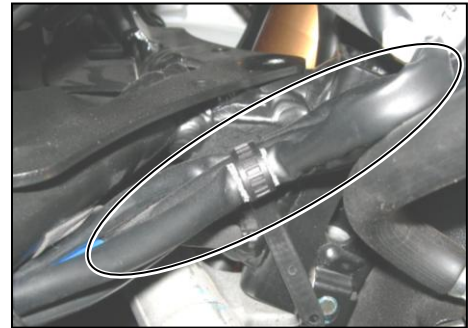




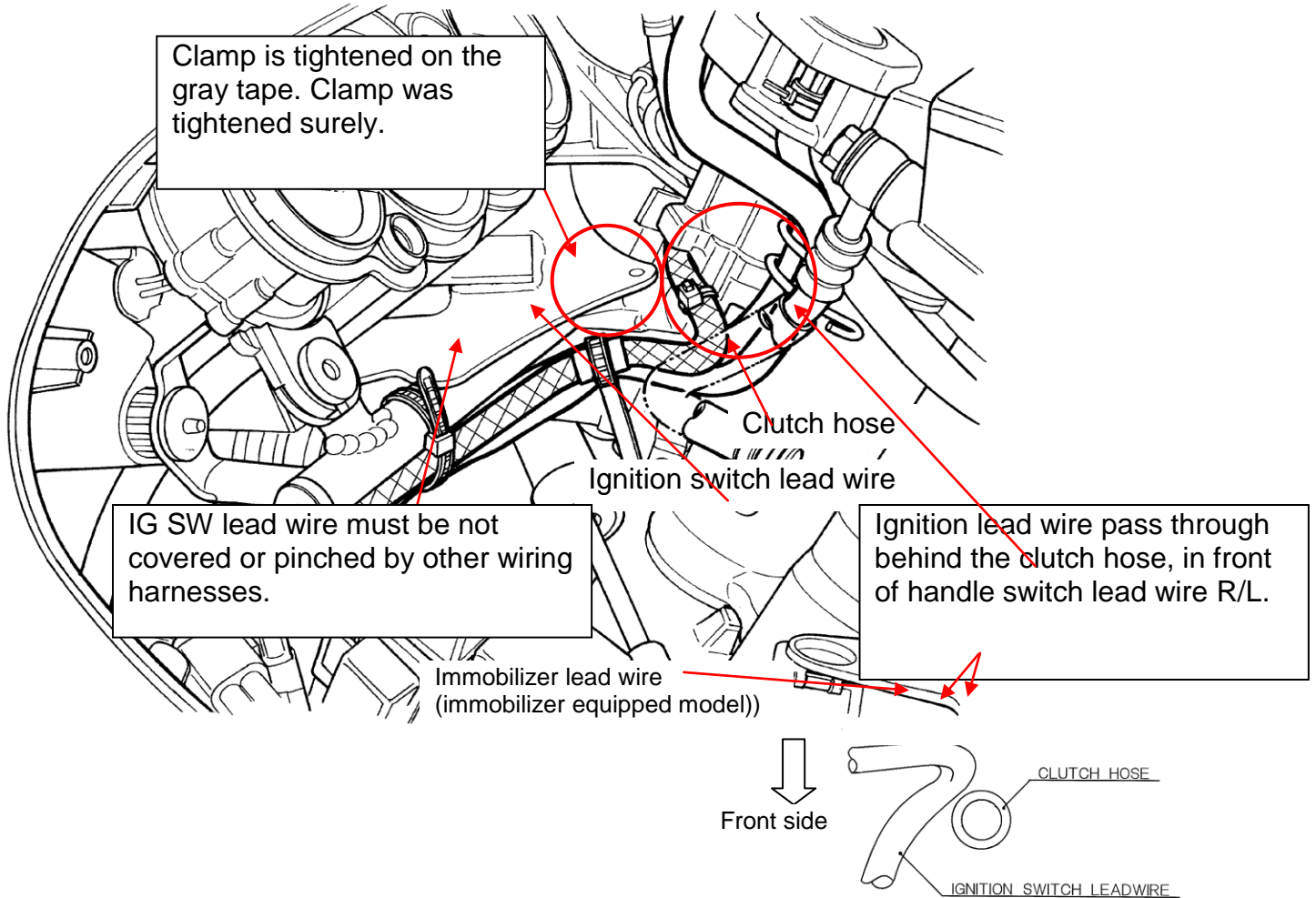
6) Make sure IG SW lead wire is routed most out side of other wiring harnesses when you inspected the unit from left side.

Caution

- IG SW lead wire must be not covered or pinched by other wiring harnesses.
- IG SW lead wire routeing position, please refer to below diagrams.

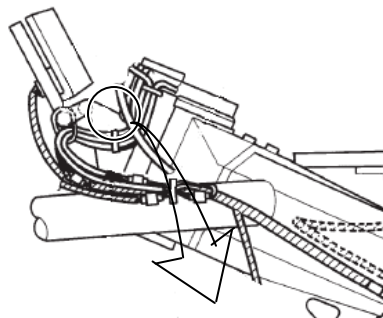


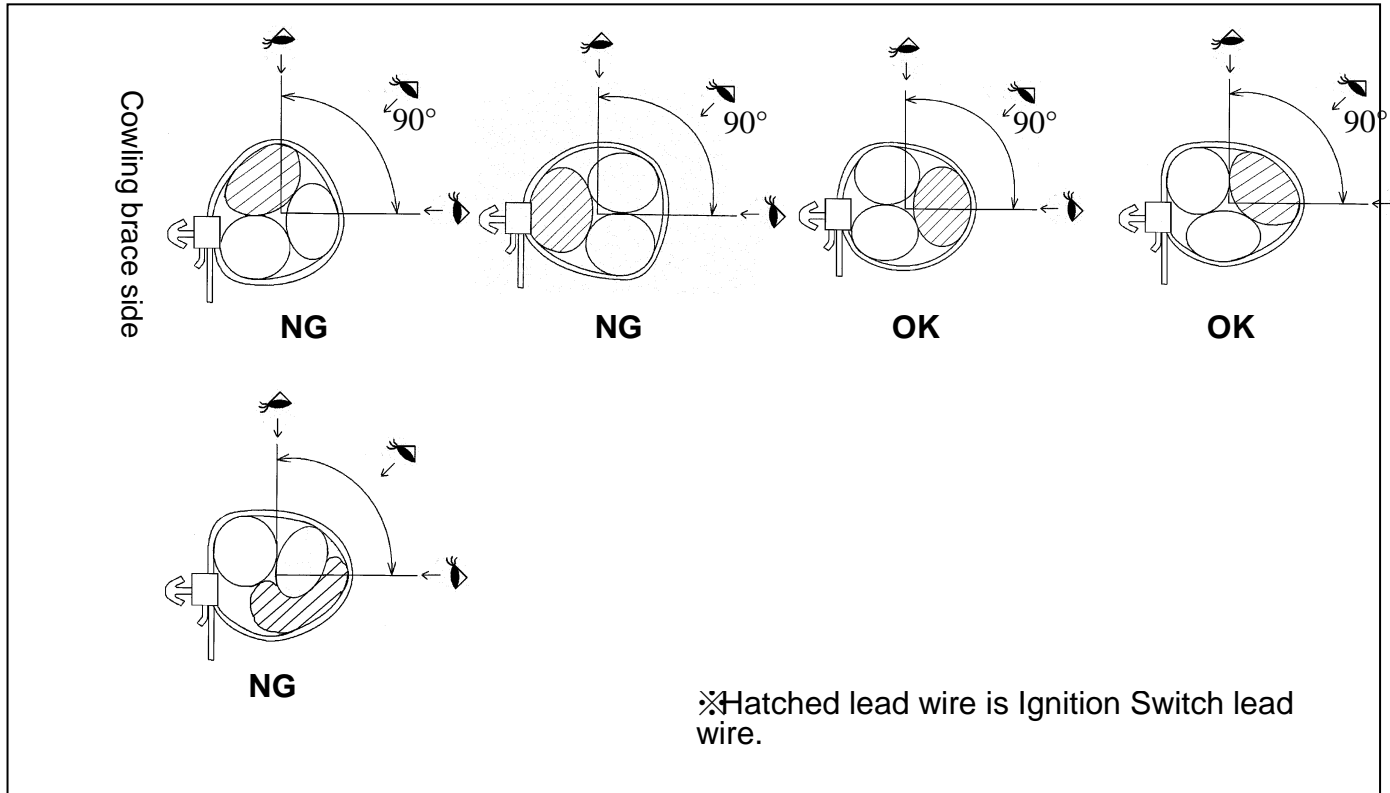
Ignition switch lead wire routing diagram



Ignition switch lead wire clamping diagram

Ignition switch lead wire must be located out side the other lead wires, so that entire lead wire is visible from the following angle of direction as below.





Go to following page according to inspection result.

**correct routing
(Clear all above
inspection items)**



**It is not necessary
to correct the
routing or to
replace the IG SW
main body. Go to
page 11, Meter
panel installation
procedure.**

**In the case of
improper routing
on dealer's stock
(Not used yet)**



**It is necessary to
correct the routing.
Go to page
4、 II. Ignition lead
wire routing
procedure.
Then Go to page
11, Meter panel
installation
procedure.**

**In the case of
incorrect routing
on customer's unit**



**It is necessary to
replace main body
of Ignition switch.
Go to page
4、 III. Ignition
switch main body
replacement.
Then Go to page
11, Meter panel
installation
procedure.**

II. Ignition Switch lead wire routing correction

- 1) Loosen the clamps which are tightened the ignition switch lead wire with other wiring harness. Then re-route the ignition switch lead wire as correct routing.
- 2) Tighten the clamps and locating clamp on the center of gray tape.

Caution

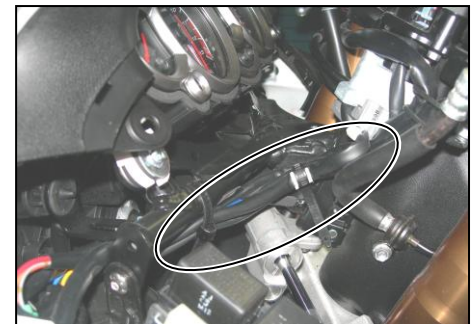
- Make sure both end of Gray tape must be visible at both side of clamp.



- 3) Install IG SW lead wire with routing most out side of other wiring harnesses when you inspected unit from left side.

Caution

- IG SW lead wire must be not covered by other wiring harnesses.
- Tighten the clamp surely.

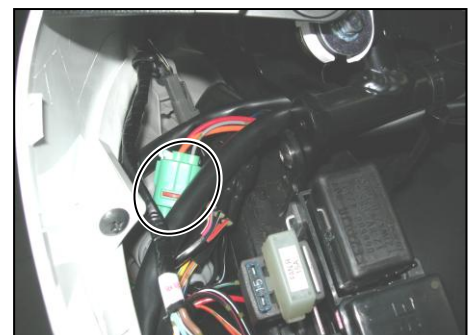


III. Ignition Switch main body replacement

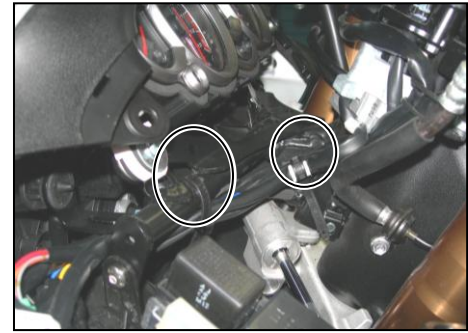
New ignition switch assembly is provided as the campaign part. This new ignition switch is needed to disassemble and reassemble by replacing with the original rotor and key.

Original Ignition switch removal procedure

- 1) Disconnect the Battery minus terminal.
- 2) Make sure IG SW is turned off.
- 3) Disconnect the Ignition Switch lead wire coupler.



- 4) Release the clamps for ignition switch lead wire.



- 5) Remove the ignition SW with removing ignition switch mounting bolts. (Torx bolts)

Reference

- TORX BIT (JT40H) 09930-11920
- BIT HOLDER 09930-11940
- Protect the lower bracket with some cloth for avoiding scratch.
- Remove the meter right panel with same manner as meter left panel removal.



Original Ignition switch dismantling procedure

- 1) Remove the caps from the break off bolts head.
- 2) Hold the bottom part of ignition switch with vise.

Caution

- Turn the Ignition switch to off position and remove the ignition key from key cylinder before ignition switch dismantling.
- Removed caps are not re-used.



- 3) Remove the break off screws with special service tool.

Reference

- Set the special tool to the straight to the brake-off screw.



- Hit with a steel hammer to make minus groove on the screw head, and consecutively without removing the special tool head from the screw head, turn the special tool anticlockwise to remove the screw.

Reference

- If you fail to make minus groove, try to make another minus groove at 90 degree cross position.

Caution

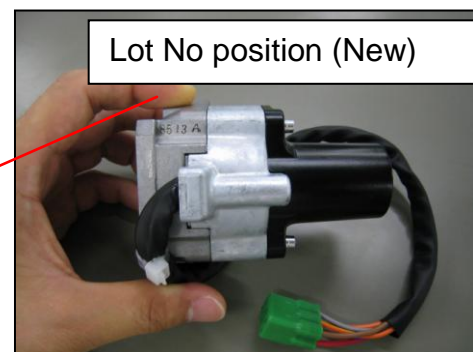
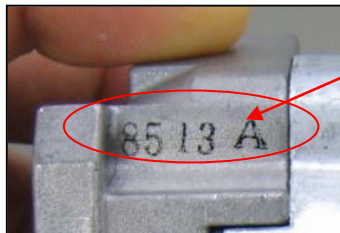
- Make enough depth of minus groove by one time of hammer hit. Shallow minus groove does not allow to turn screw successfully.
- **Removed inner parts as the cylinder cap, shutter, rotor and spring from original ignition switch will be re-used. Please take care to not lost them and keep them clean.**

New Ignition switch dismantling procedure

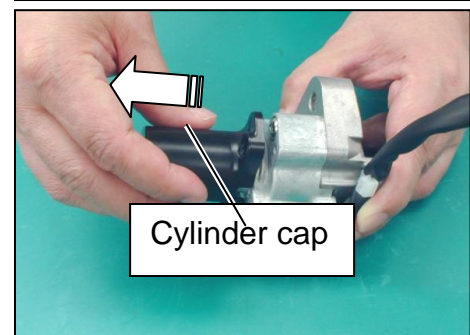
- 1) Remove the break off screws from new replacement part. (These screws are loose fit by hand)

Reference

- Keep removed break off bolts. They will be used for re-assembling the ignition switch.
- New ignition switch can be identified by lot No.
New: ####A
Original: ####



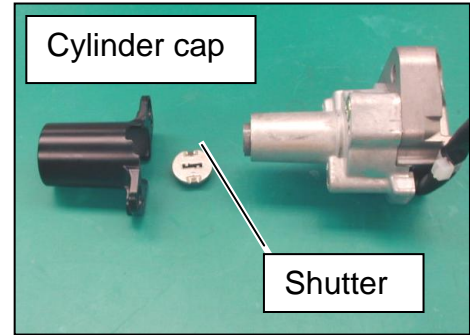
- 2) Remove the cylinder cap.



3) Remove the cylinder cap and shutter.

Reference

- The Shutter is came off when removing the cylinder cap.



4) Remove the rotor.

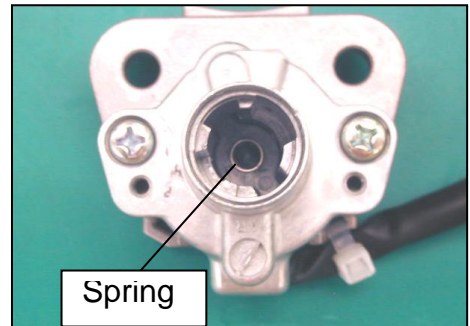
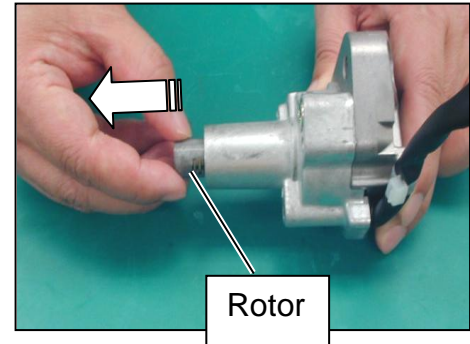
5) Spring is come off when removing the rotor.

Reference

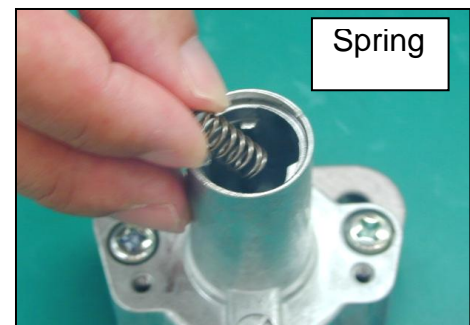
- These rotor and spring are not used for this modification.

Reference

- If spring is not come off, spring is stuck at the bottom of key cylinder. Please check it.



6) Remove the spring.



7) Make sure no dust in the key cylinder before reassembling. This main body of ignition switch is used for modification.

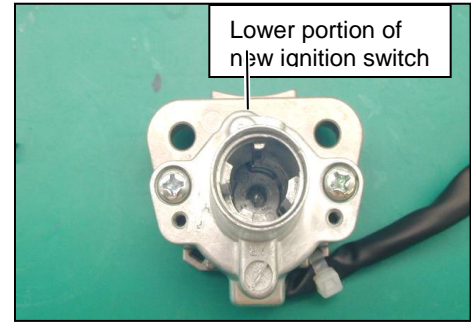


Ignition switch re-assembling procedure

- 1) Make sure to use a main body of the new ignition switch.

Reference

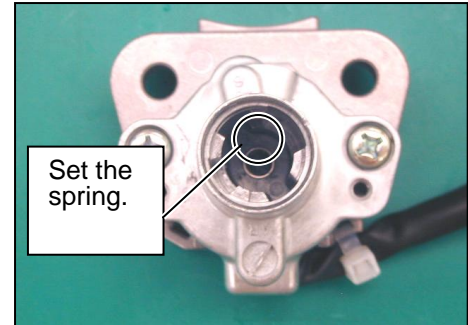
- New ignition switch body has special lot number as ####A.



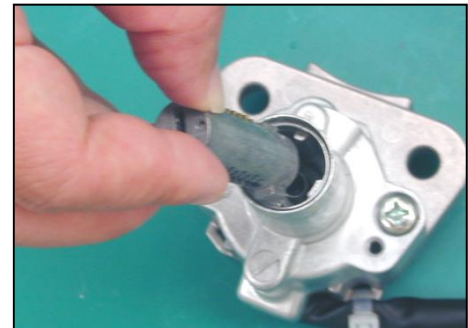
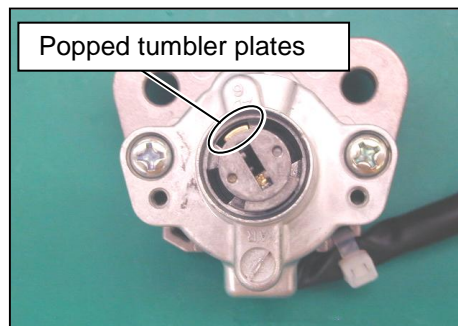
- 2) Set the spring to projection part at the bottom of key cylinder.

Caution

- Confirm spring was set to the projection.

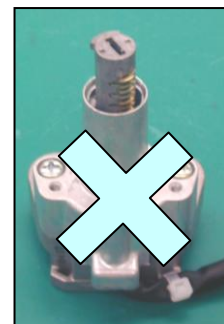


- 3) Install the original rotor to ignition switch key cylinder with aligning the tumbler position as shown below.

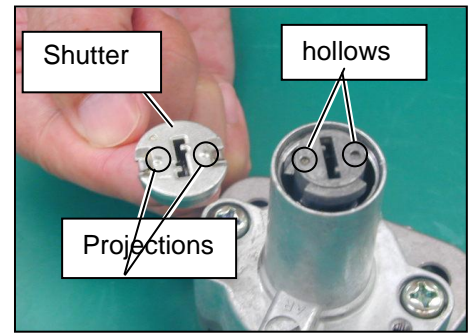


Reference

- Rotor cannot be installed fully if rotor set position is wrong.



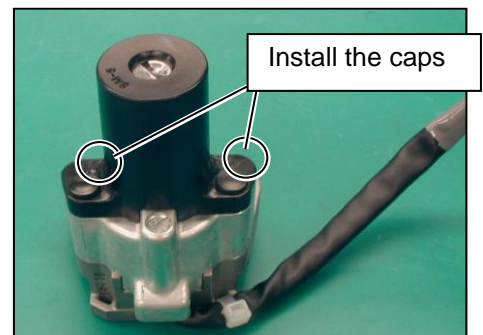
- 4) Put the shutter to the rotor with aligning projection and hollow.



- 5) Install the cylinder cap to key cylinder and fixed it with tightening break off screws.
- 6) Tighten the screws until screw head break off.

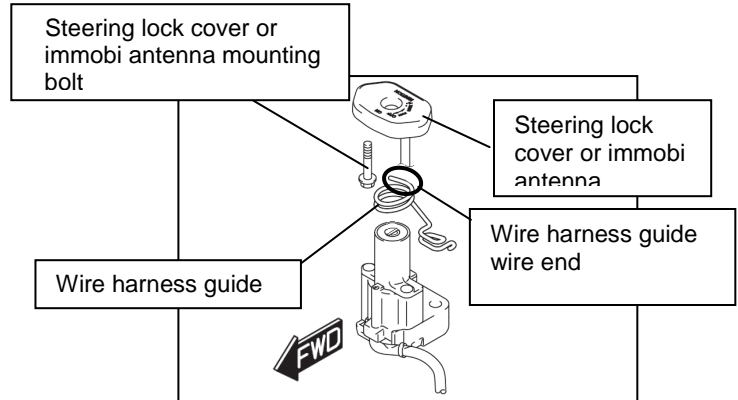


- 7) Put the cap to hole for break off screw.
- 8) Check smooth key rotation.



Ignition switch mounting procedure

- 1) Install the wire harness guide as wire harness guide wire end located behind the steering lock cover mounting bolt.



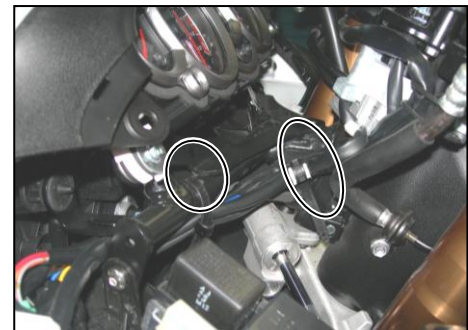
- 2) Mount the ignition switch to upper bracket with tightening new bolt.



- 3) Clamp the ignition switch lead wire as correct position.

Reference

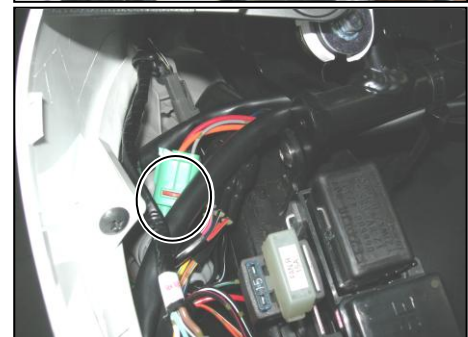
- Refer to 2-2 for detail of ignition switch lead wire routing.



- 4) Connect the ignition lead wire coupler.

Reference

- When connecting the coupler, make sure to push it until a click is felt.

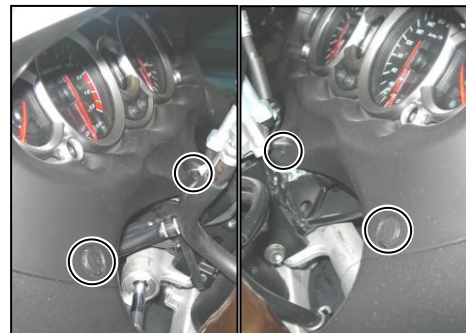
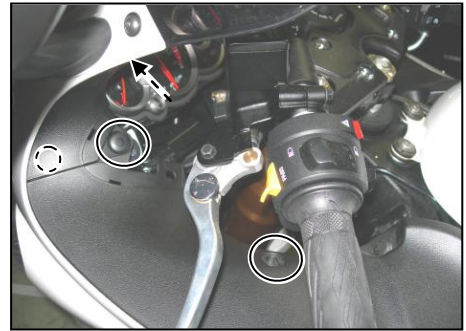


Meter panel installation procedure

- 1) Install the meter left panel with put the center screw and clip.
- 2) Install the meter right panel as same procedure as meter left panel.

- 3) Install the meter rear panel with put the screws and clips.

- 4) Connect the battery minus terminal.



IV. Final inspection

After the ignition switch installation, check smooth key rotation, electric power on / off, and steering lock operation.