

# TECHNICAL SERVICE INFORMATION

Date: March 2015

MODEL	F(L)115B
SUBJECT	FIELD CORRECTION FOR THROTTLE BODY BRACKET

## FIELD CORRECTION

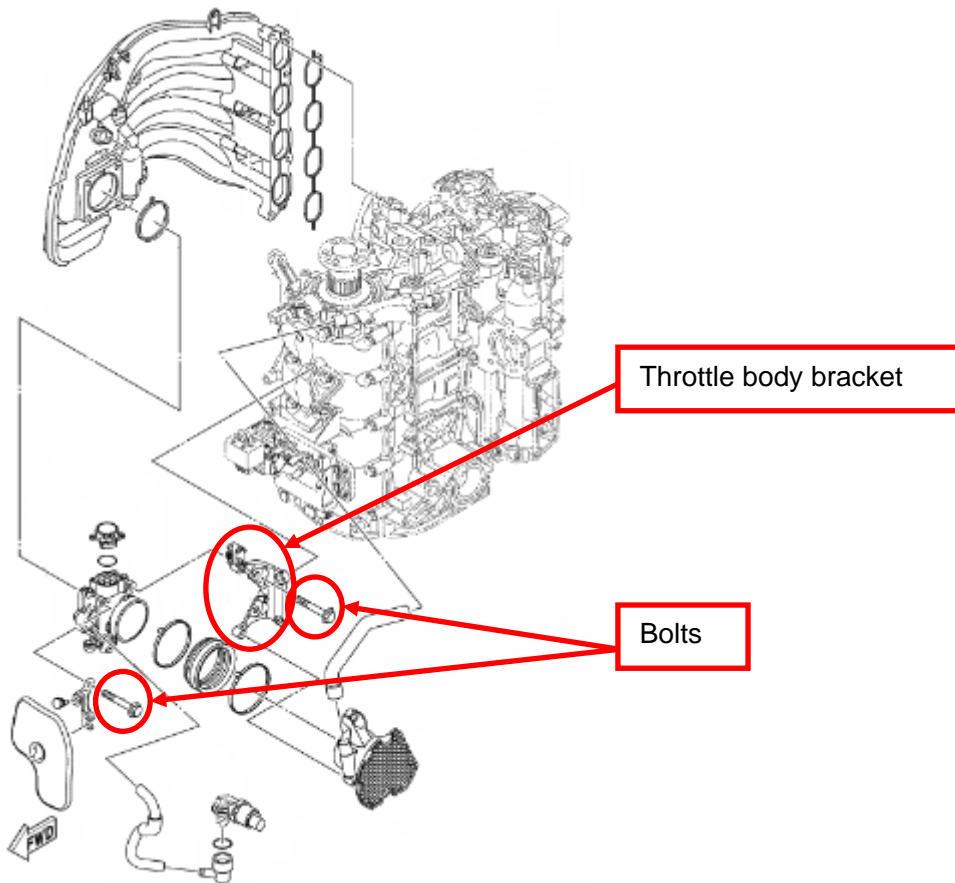
This is to inform you of the changes that were made to the above-mentioned model to improve the reliability. Brief descriptions of the subject and the remedies are described below. Please take the required procedures for notifying the dealers and implementing this correction.

**<DESCRIPTION>**

The throttle body bracket fitted on the above-mentioned model has been found to be defective. While the engine is running, the throttle body bracket may break due to engine vibration and the main harness may lose its electrical continuity to ground, causing the engine to stop or become unable to restart. To prevent this problem from happening, field corrections will be performed to replace the throttle body bracket on the above-mentioned model with a new, countermeasure part.

**<REMEDY>**

Replace the throttle body bracket and throttle body bracket bolts with new, countermeasure parts.



**<Applicable Models>**

The table below lists the units to which this field correction applies.

Note: The addition of the extension wire lead to the throttle body bracket was announced in the previous issued TSI (No. OM-14033-P, issued in November 2014).

This field corrections will also apply to the units with the extension wire lead attached.

Therefore, care must be taken when performing the field correction as there are 2 types of units, with and without the extension wire lead attached.

Without extension wire lead



There is no extension wire lead

With extension wire lead

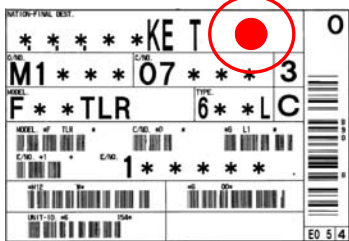


Extension wire lead attached

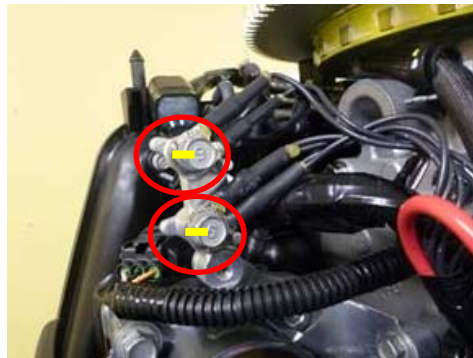
Model name	Model code	Serial numbers
F115B	6EK	6EK-1000001 – 6EK-1013929
FL115B	6EL	6EL-1000001 – 6EL-1000311

\* Replacement with new parts has already been performed on some units included in the above table. Make sure to check the distinguishing marks shown below before starting the work. (The red paint mark on the tag affixed to the package carton and the yellow paint marks on the ground bolts indicate that the replacement has been completed.)

Distinguishing mark (red paint mark)



Distinguishing marks (yellow paint marks)



## <Part Number Changes and Interchangeability>

Please obtain these parts through the standard route.

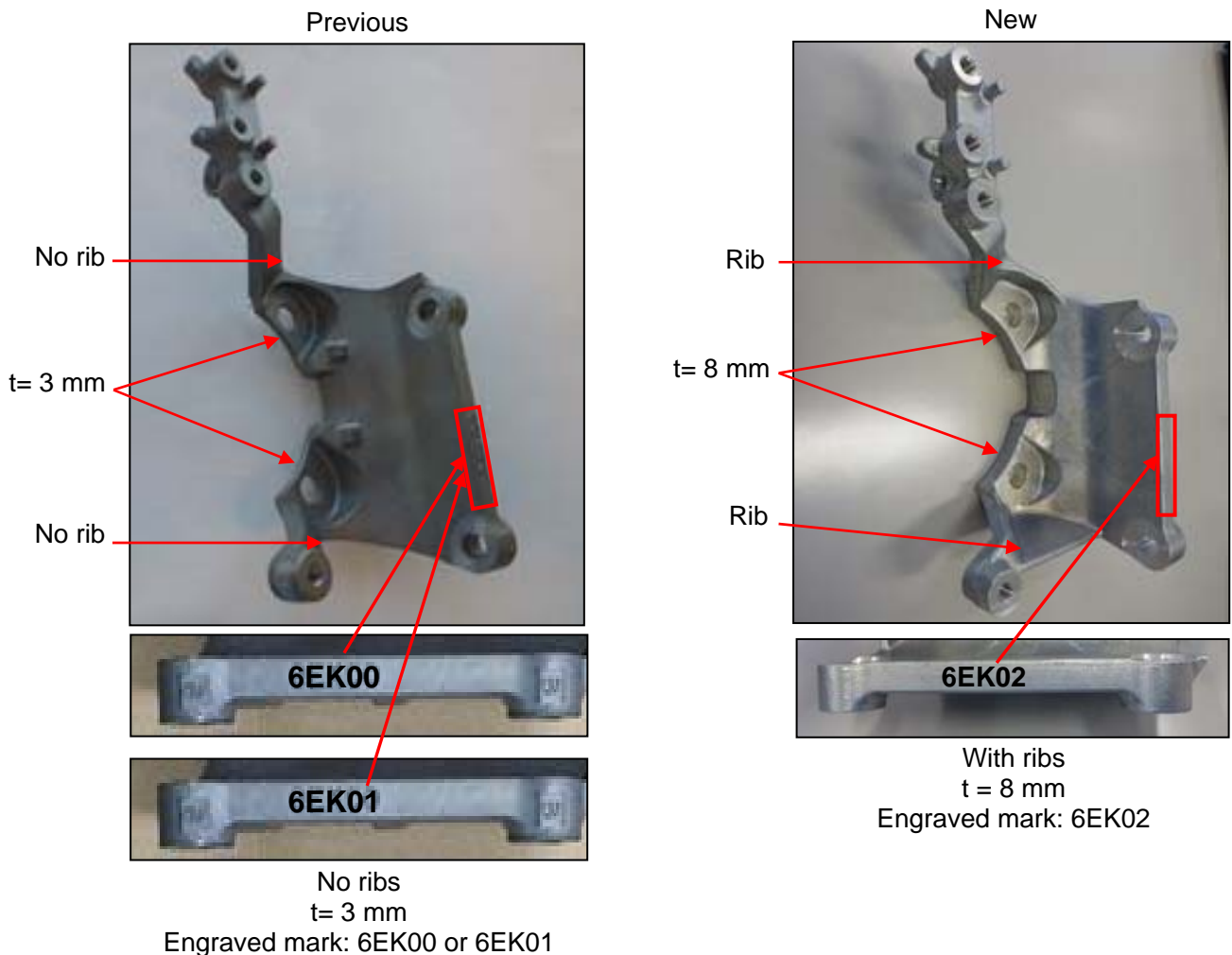
Part name	Part number	Q'ty
STAY 2 KIT	90891-40850	1
STAY 2	•6EK-13152-02 *1	1
BOLT, FLANGE	•90105-08186 *1	2
BOLT, FLANGE	•95875-08060 *1	1

\*1. STAY 2 KIT (90891-40850) contains STAY 2 (6EK-13152-02) x 1, BOLT, FLANGE (90105-08186) x 2 and BOLT, FLANGE (95875-08060) x 1.

\*2. Dimensions of both BOLT, FLANGE (90105-08186) and BOLT, FLANGE (95875-08060) are shown below. Make sure to distinguish properly between the two types of bolts.



## <External Identification of Part>



## <Replacement Procedure>

TIP: Please check the serial number of the unit referring to the list under “Applicable Models” in page 2.

1. Remove the bolt and the flywheel magneto cover.  
M6 (30 mm) x 1



2. Remove the blowby hose “1” and the 2 bolts, and then remove the intake silencer “2”.  
M6 (25 mm) x 2



3. Remove the joint “1”.  
TIP: Do not cut and remove the plastic tie attached on the joint. Pull and remove the joint with the plastic tie attached.



4. Remove the clamp fastening the main wire lead (below the ground lead) from the throttle body bracket.  
TIP: Squeeze the claws of the clamp using long nose pliers to remove it from the throttle body bracket.



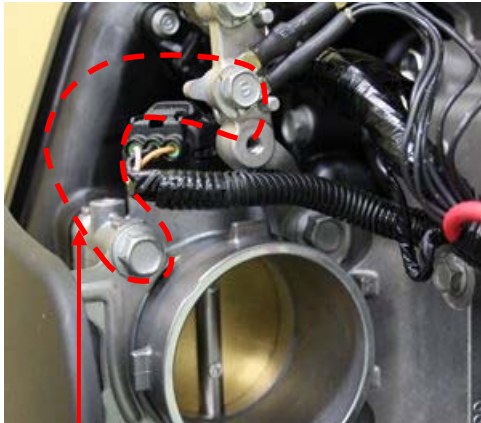


Refer to the pictures below.

If no extension wire lead is attached to the unit, proceed to step 5 under <Unit without extension wire lead> in this page.

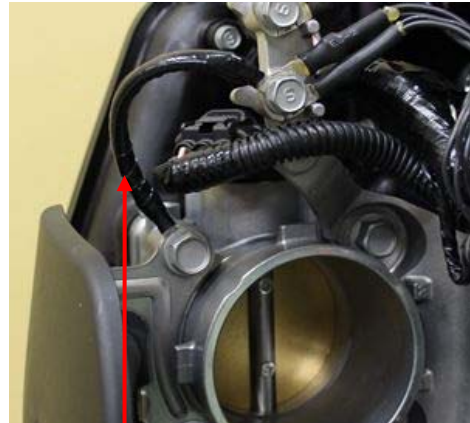
If the unit has the extension wire lead, proceed to step 16 under <Unit with extension wire lead> in page 8.

Without extension wire lead



There is no extension wire lead

With extension wire lead



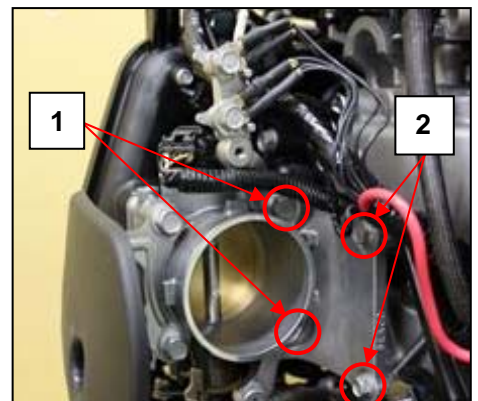
Extension wire lead attached

### <Unit without extension wire lead>

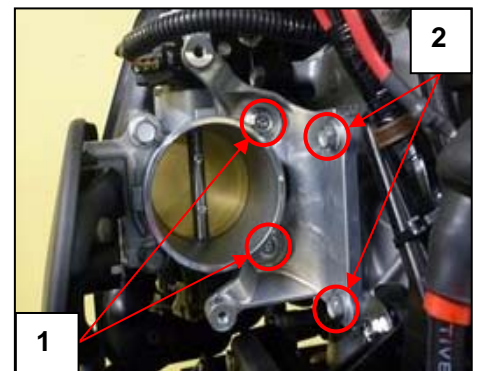
- Remove the 2 ground bolts from the throttle body bracket.  
Ground bolt: M6 (16 mm) x 2



- Remove the 2 throttle body bolts "1" and throttle body bracket bolts "2", and then remove the throttle body bracket.  
Throttle body bolt "1": M8 (60 mm) x 2  
Throttle body bracket bolt "2": M6 (25 mm) x 2  
TIP: The removed throttle body bolt "1" will not be reused.  
Discard of them properly.



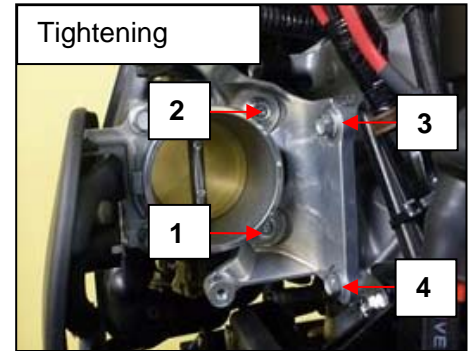
- Install a new throttle body bracket (STAY 2: 6EK-13152-02), and then attach and temporarily tighten the throttle body bracket bolts "2" that were removed in step 6.
- Attach and temporarily tighten 2 new throttle body bolts "1" (BOLT, FLANGE, 90105-08186).



9. Tighten the bolts in the specified order as shown in the picture on the right.  
 TIP: Make sure to tighten the bolts in the specified order and to the specified torques.

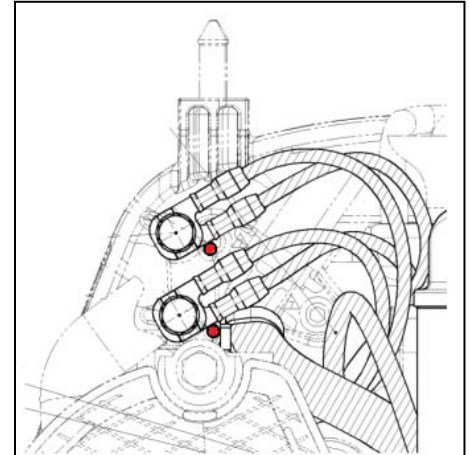
Throttle body bolt (tightening order 1, 2 in picture)  
 Torque: 18 Nm (1.8 kgf·m)

Throttle body bracket bolt (tightening order 3, 4 in picture)  
 Torque: 8 Nm (0.8 kgf·m)



10. Reinstall the removed ground lead and the ground bolts to the throttle body bracket in their original positions.  
 TIP: Secure the terminals of the ground lead in place so that they are in contact with the stoppers as shown in the figure.

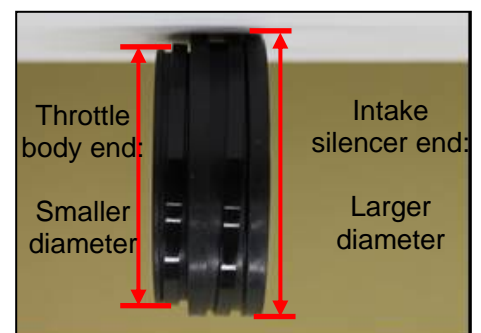
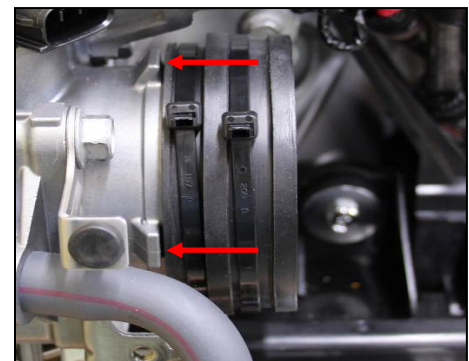
Ground bolt M6 (16 mm) x 2  
 Torque: 8 Nm (0.8 kgf·m)



11. Reinstall the removed clamp onto the main wire lead (below the ground lead) in its original position.  
 TIP: Make sure to confirm that the claws of the clamp are securely fit into the opening in the throttle body bracket.



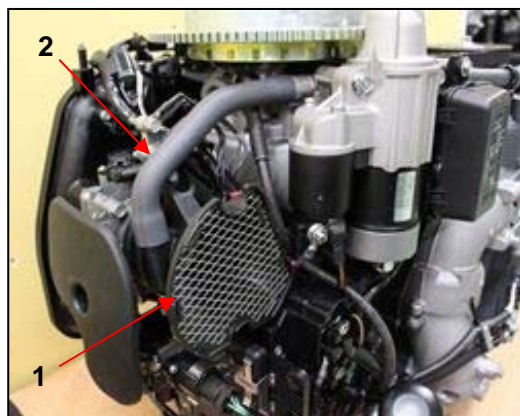
12. Reinstall the removed joint onto the throttle body until it contacts the throttle body end surface.  
 TIP: The end with smaller diameter should face toward the throttle body.



13. Install the intake silencer "1" and blowby hose "2" using the 2 bolts.

M6 (25 mm) x 2  
Torque: 8 Nm (0.8 kgf·m)

TIP: Be careful that the harnesses or ties are not caught between parts. Make sure that the blowby hose is securely inserted.



14. Put identification paint marks on the ground bolts, ground lead and throttle body bracket as shown in the picture.



15. Install the flywheel magneto cover and tighten the bolt to the specified torque. The replacement is complete.

M6 (30 mm) x 1  
Torque: 8 Nm (0.8 kgf·m)

TIP: Upon completion of the replacement, please submit a warranty claim immediately referring to <Regarding the Warranty> in page 11.



[Continued on the following page]

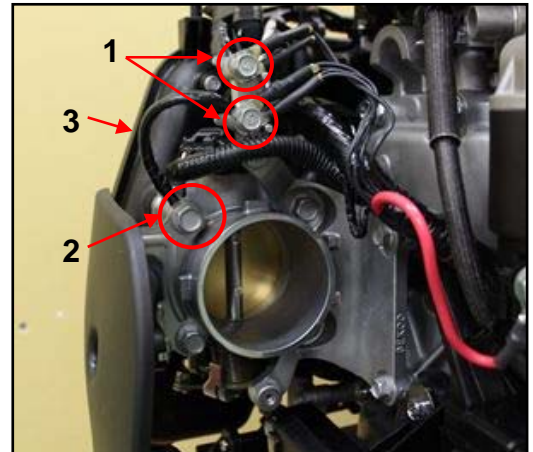


## <Unit with extension wire lead>

16. Remove the 2 ground bolts "1" and the bolt with washer "2" on the throttle cover bracket, and then remove the extension wire lead "3".

Ground bolt "1" M6 (16 mm) x 2  
 Bolt with washer "2" M8 (60 mm) x 1

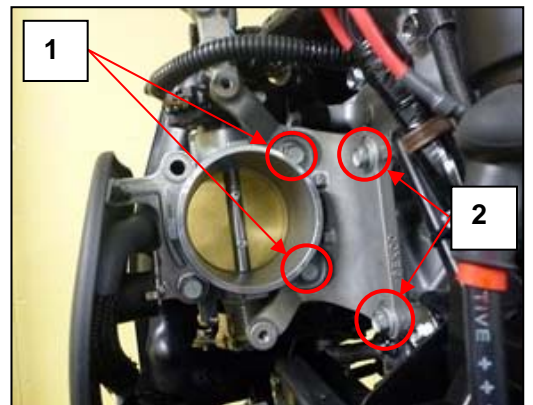
TIP: The removed extension wire lead "3" and the bolt with washer "2" will not be reused. Discard of them properly.



17. Remove the 2 throttle body bolts "1" and the 2 throttle body bracket bolts "2", and then remove the throttle body bracket.

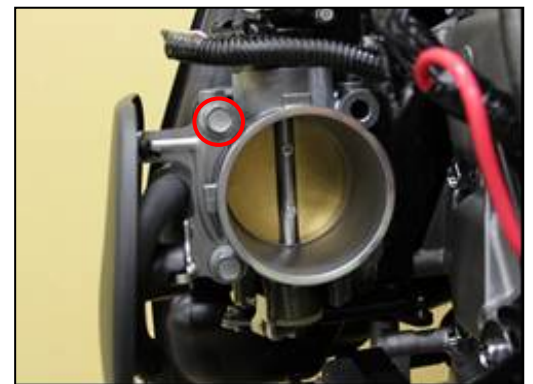
Throttle body bolt "1" M8 (60 mm) x 2  
 Throttle body bracket bolt "2" M6 (25 mm) x 2

TIP: The removed throttle body bolt "1" will not be reused. Discard of them properly.



18. Install the flange bolt (BOLT, FLANGE, 95875-08060) to the location from where the bolt with washer was removed in step 16, and then tighten the flange bolt (BOLT, FLANGE, 95875-08060) to the specified torque.

Flange bolt (BOLT, FLANGE, 95875-08060)  
 Torque: 18 Nm (1.8 kgf·m)

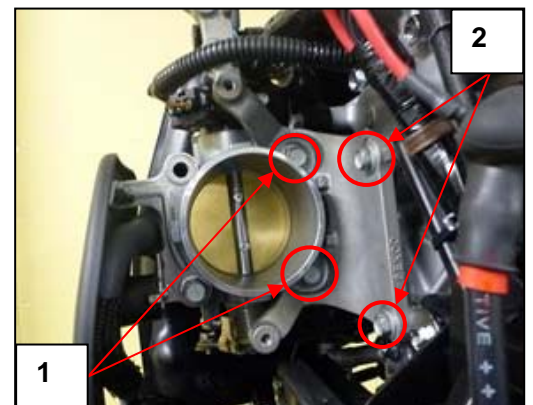


19. Install the new throttle body bracket (STAY 2 KIT, 6EK-13152-02), and install and temporarily tighten the 2 throttle body bracket bolts "2" that were removed in step 17.

Throttle body bracket bolt "2" M6 (25 mm) x 2

20. Attach and temporarily tighten the 2 throttle body bolts "1" (BOLT, FLANGE, 90185-08186).

Throttle body bolt "1" (BOLT, FLANGE, 90105-08186) x 2



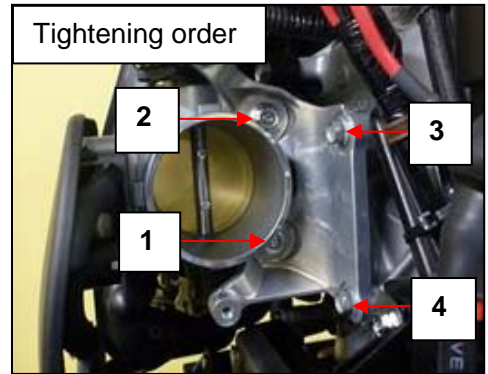


21. Tighten the bolts in the specified order as shown in the picture.

NOTE: Make sure to tighten the bolts in the specified tightening order and to the specified tightening torques.

Throttle body bolts (tightening order 1, 2 in picture)  
Torque: 18 Nm (1.8 kgf·m)

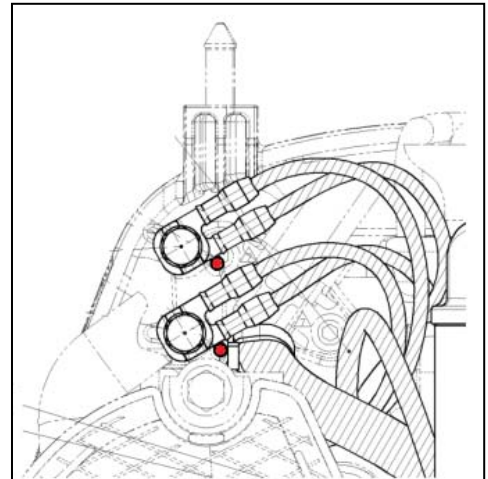
Throttle body bracket bolts (tightening order 3, 4 in picture)  
Torque: 8 Nm (0.8 kgf·m)



22. Reinstall the removed ground lead and 2 ground bolts to the throttle body bracket in their original positions.

TIP: Secure the terminals of the ground lead in place so that they are in contact with the stoppers as shown in the figure.

Ground bolt M6 (16 mm) x 2  
Torque: 8 Nm (0.8 kgf·m)



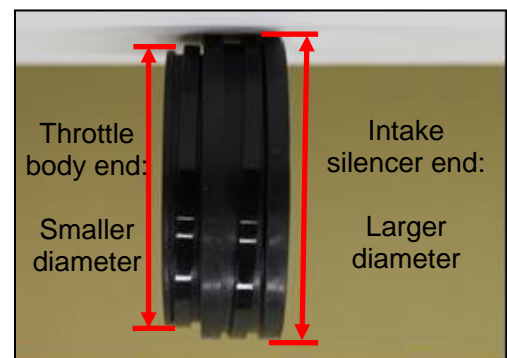
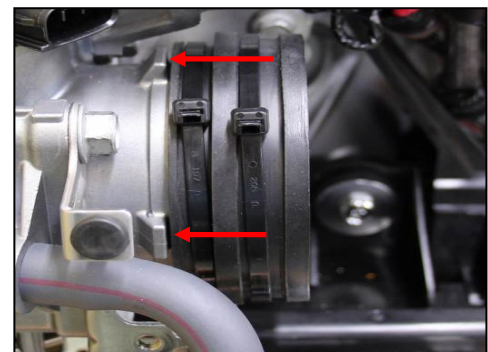
23. Reinstall the removed clamp onto the main wire lead (below the ground lead) in its original position.

TIP: Make sure to confirm that the claws of the clamp are securely fit into the opening in the throttle body bracket.



24. Reinstall the removed joint onto the throttle body until it contacts the throttle body end surface.

TIP: The end with smaller diameter should face toward the throttle body.



25. Install the intake silencer "1" and blowby hose "2" and tighten the 2 bolts to the specified torque.

M6 (25 mm) x 2  
Torque: 8 Nm (0.8 kgf·m)

TIP: Be careful that the harnesses or ties are not caught between parts. Make sure that the blowby hose is securely inserted.



26. Put identification paint marks on the ground bolts, ground lead and throttle body bracket as shown in the picture.



27. Install the flywheel magneto cover and tighten the bolt to the specified torque. The replacement is complete.

M6 (30 mm) x 1  
Torque: 8 Nm (0.8 kgf·m)

TIP: Upon completion of the replacement, please submit a warranty claim immediately referring to <Regarding the Warranty> in page 11.



[Continued on the following page]

## <Regarding the Warranty>

Use the standard procedure when applying for the warranty by specifying the following part name, part number, work code, and so on. Make sure to use the special claim number (problem code) below.

### For countries that have a warranty agreement

Causal P/N	Part number (causal part)	Name of field correction	Work (service) code	Problem code
90891-40850	STAY 2 SET	Throttle body bracket replacement	9908 (0.8 hrs)	EZ

### USA

Causal P/N	Part number (causal part)	Name of field correction	Work (service) code	Special claim code	Symptom code	Condition code
90891-40850	STAY 2 SET	Throttle body bracket replacement	9908 (0.8 hrs)	EZ	ZZ	ZZ

### JAPAN

Causal P/N	Part number (causal part)	Name of field correction	Work (service) code	Problem code
90891-40850	STAY 2 SET	Throttle body bracket replacement	1008 (0.8 hrs)	OM-15001

### For countries with no warranty agreement

Causal P/N	Part number (causal part)	Name of field correction	Work (service) code	Flat rate
90891-40850	STAY 2 SET	Throttle body bracket replacement	0.8 hrs / unit	US \$ ***/unit

### **NOTICE:**

- Upon completion of the replacement, please submit a warranty claim according to the standard warranty procedures.
- The work hours (rate) specified in the above table include handling charges for the replacement.
- To claim other expenses such as import custom clearance, etc., the original invoice will be required.

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