

GSX-S1000A / GSX-S1000FA



Way of Life!



GSX-S1000FA ABS

GSX-S1000 ABS



GSX-S1000A / GSX-S1000FA



Way of Life!



GSX-S1000A



GSX-S1000FA

Color Options GSX-S1000A



Way of Life!



Metallic Triton Blue



Mat Fibroin Gray



Sparkle Black / Candy Daring Red

Color Options GSX-S1000FA



Way of Life!



Metallic Triton Blue



Mat Fibroin Gray



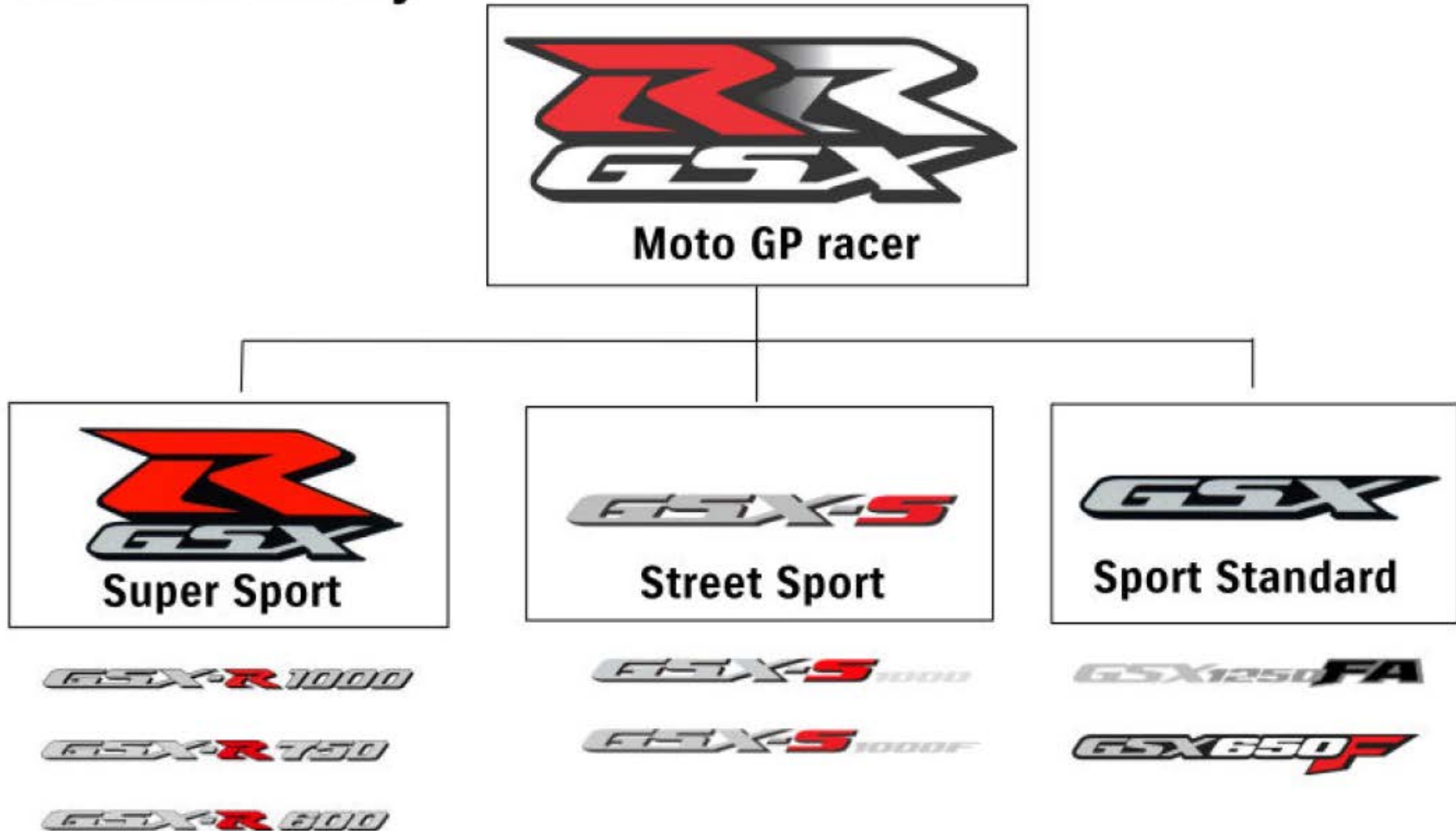
Sparkle Black/ Pearl Mira Red

GSX Series Structure



Way of Life!

GSX brand family



**The product concept of GSX-S1000F is;
“The spirit of GSX-R, ready for street”**

The model is developed to provide maximum fun of sport riding on street. Both engine and chassis are developed to achieve an exciting riding experience. The basic performance aspects of "running," "braking" and "cornering" are embodied to the fullest extent allowed with the latest state-of-the-art technology. The motorcycle is made for experienced, sport-minded enthusiasts who desire to enjoy sport riding on the street in an upright riding position.

Product Concept



Way of Life!

- **Performance features:**

- 999cc inline four power unit based on the legendary GSX-R1000.

- Finely tuned Fuel injection system.

- Lightweight design for nimble handling.

- Newly designed, lightweight and compact Aluminum frame.

- Lightweight, ruggedly braced aluminum swingarm.

- KYB upside down front fork.

- Radial mount Brembo front brake calipers.

- **Utility features:**

- 3-mode traction control system.

- Lightweight digital ABS.

- Sporty, yet comfortable, upright riding position.

- Sporty full-faring with decent wind protection.(GSX-S1000FA)

- Informative, full-LCD instrument.

- **Features for pride of ownership:**

- Distinctive, aggressive looking body work.

- LED position lights and taillight.

- Renthal aluminum fat bar.

- Finely tuned intake & exhaust sound.

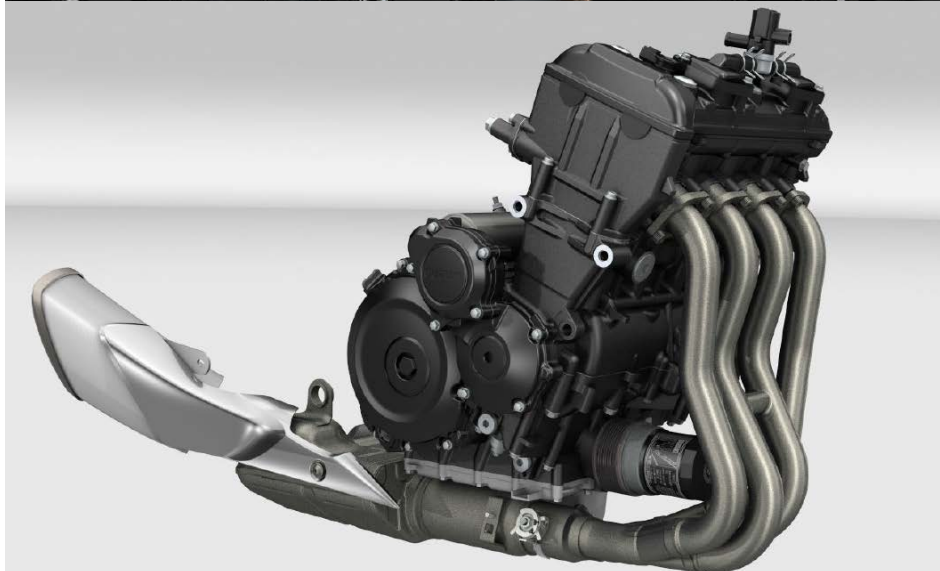
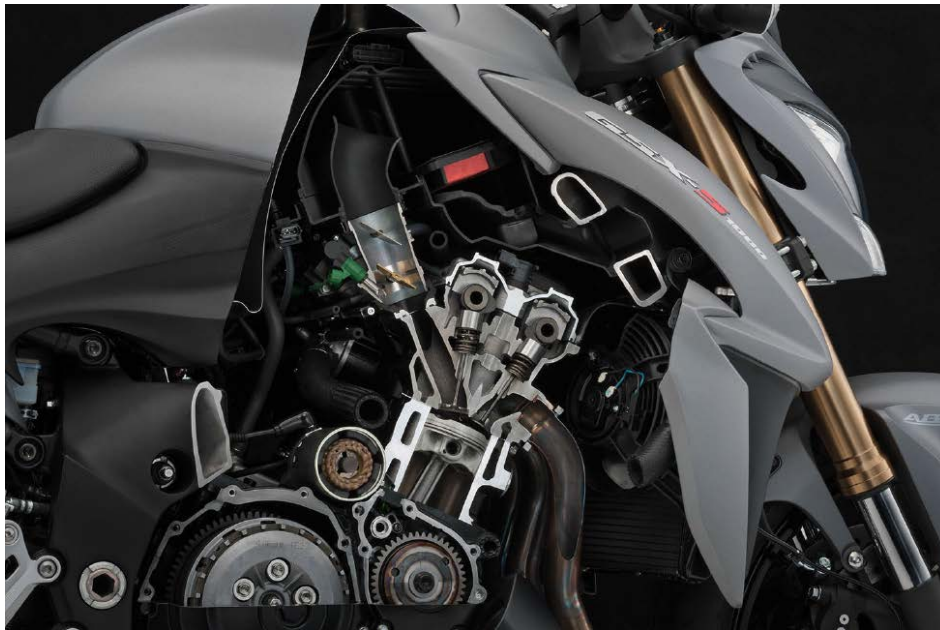
Suzuki Easy Start system

Two pressure sensors monitoring manifold pressure

3-mode Traction Control

Selectable tachometer display

Engine Design - outline



Displacement	999cm ³
Bore x Stroke	73.4mm x 59.0mm
Compression ratio	12.2 : 1
Max power	107kw/10,000rpm
Max torque	106N·m/9,500rpm

Cylinder Head

The new cam profiles are designed to optimize the valve timing to tune the GSX-R1000 engine – which is designed keeping in mind racetrack use – to obtain the GSX-S1000F power character that's more suited to the streets and winding roads.

Suzuki Composite Electrochemical Material (SCEM)-plated cylinders integrated into the upper crankcase reduce friction and improve heat transfer and durability.



Iridium Spark Plug



Way of Life!

Iridium spark plugs heighten the spark strength and combustion efficiency, thereby contributing to higher power, more linear throttle response, easier engine start-up, and a more stable idle compared to conventional type.

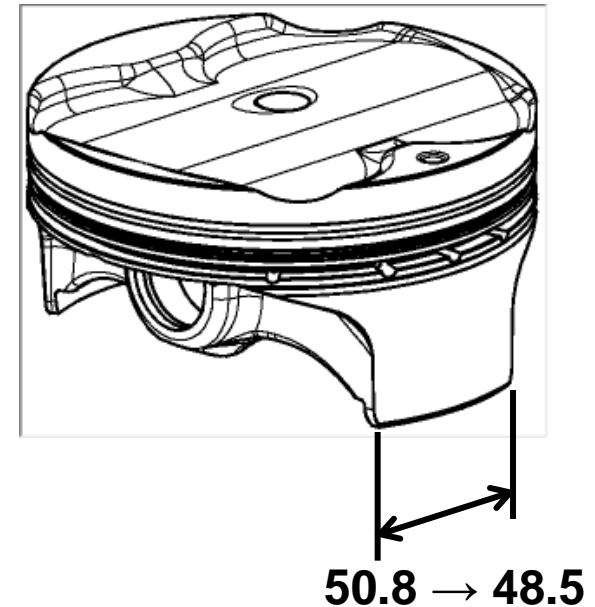


Spark plug Type
NGK: CR9EIA-9
DENSO: IU27D

Piston and Piston Rings

New pistons were engineered with use of FEM (Finite Element Method) analysis to achieve optimal rigidity and weight.

The piston and piston rings are designed 3% lighter than that of the 2007 GSX-R engine without compromising the durability.



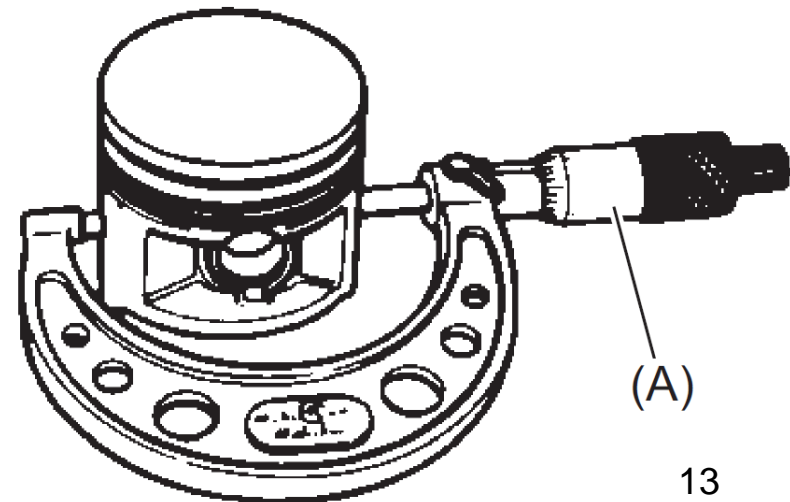
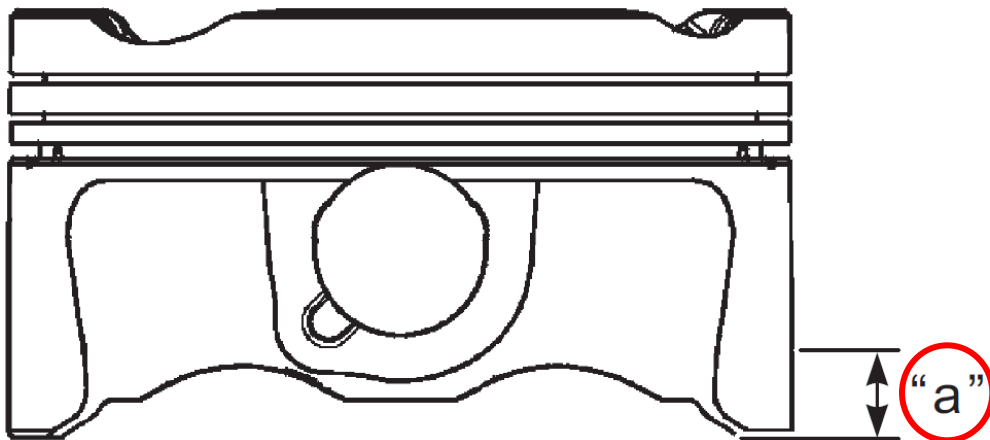
Piston

Piston Diameter

Measure the piston diameter using the micrometer at **8 mm (0.3 in) “a”** from the skirt end. If the piston diameter is less than the service limit, replace the piston.

Piston diameter

Measure at 8 mm (0.3 in) from the skirt end
[Limit]: 73.280 mm (2.8851 in)



Fuel Injection

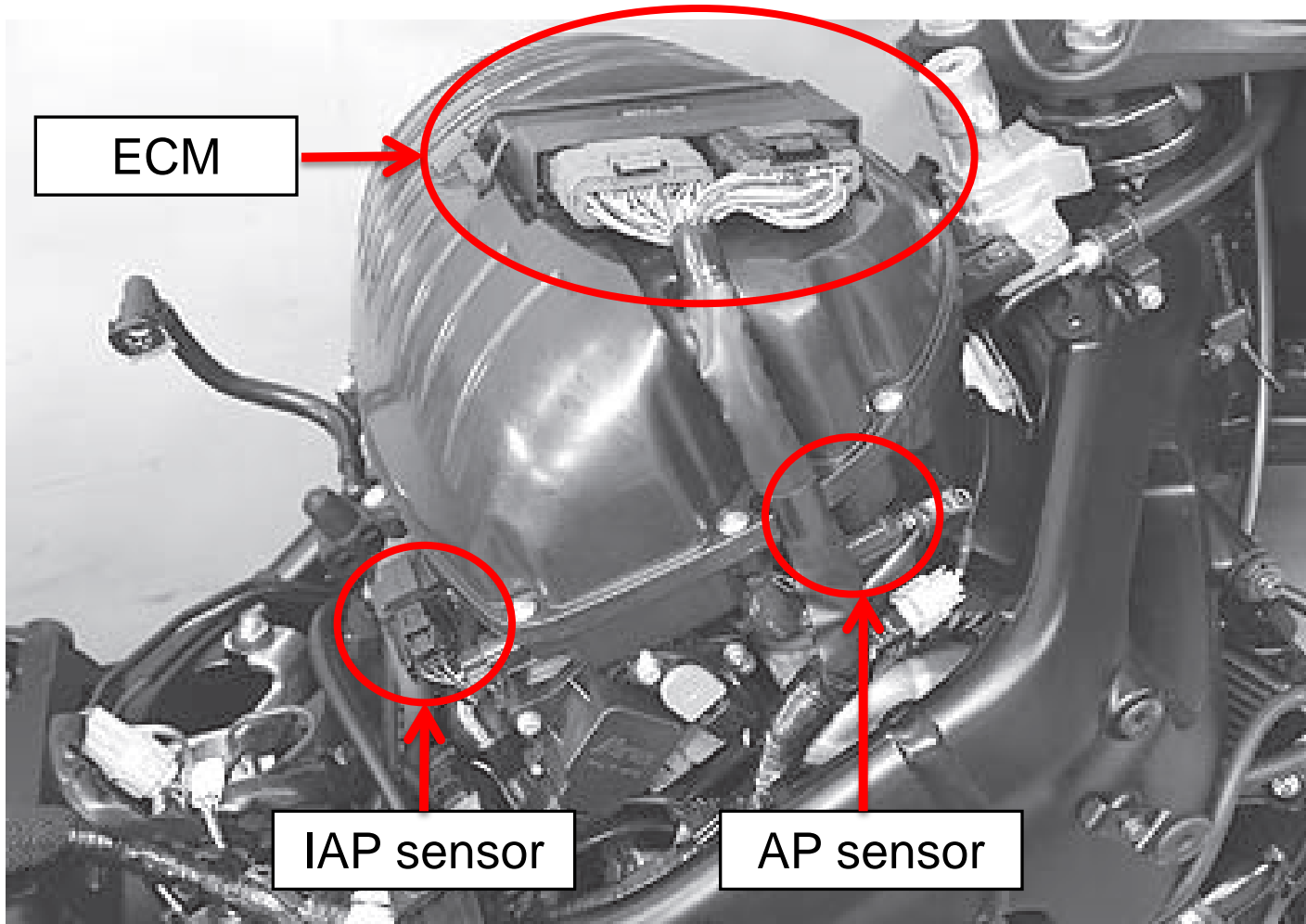
- Fuel injection system employs Suzuki's original, SDTV (Suzuki Dual Throttle Valve) 44mm throttle body (same size as GSX-R1000K7), and the secondary throttle valves are controlled by servo motor for smooth power delivery and optimum combustion efficiency.
- Fuel injectors are 10-hole; long-nosed injectors on each throttle body improve fuel atomization for better combustion efficiency and while reducing fuel consumption.
- Fuel injection works with O₂ feedback system and intake pressure sensor for optimum combustion efficiency in various conditions, reduces emissions to meet Euro 3 requirement.



AP Sensor / IAP Sensor

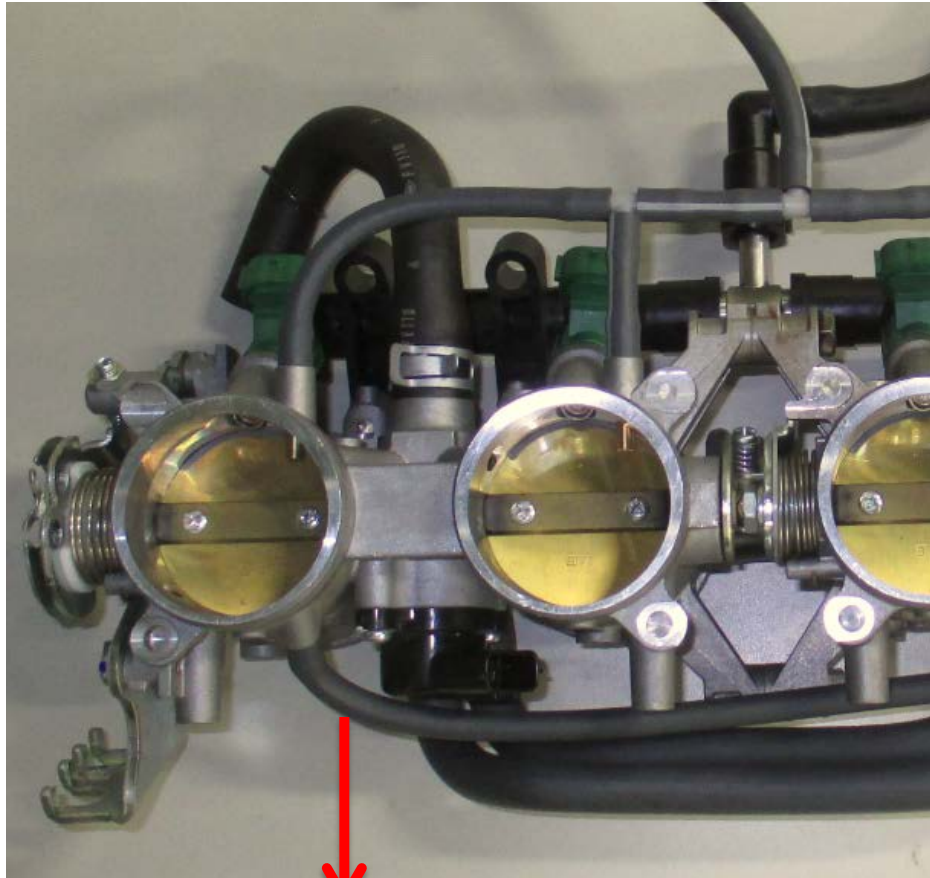
ECM is located on the air cleaner box.

AP sensor is connected with a tube to throttle body #1.



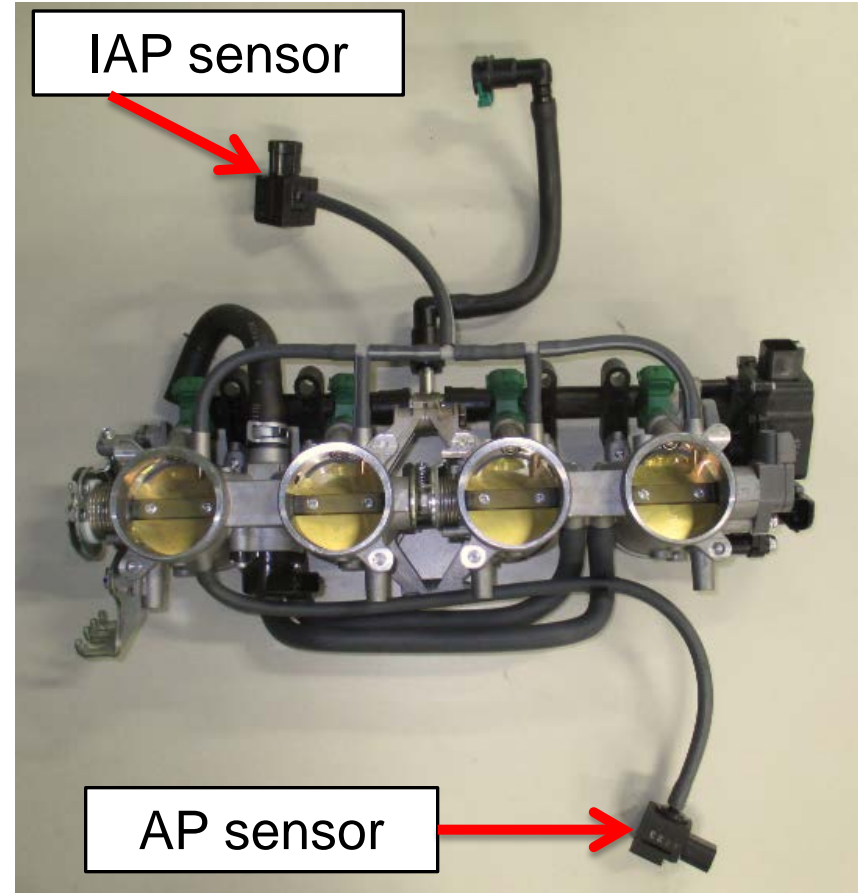
AP Sensor / IAP Sensor

Connect to IAP sensor



Connect to AP sensor

IAP sensor

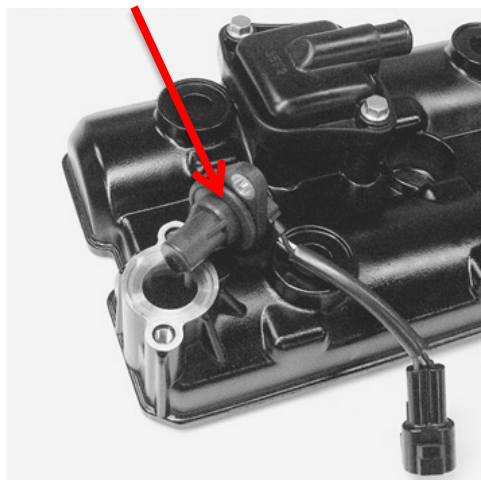


AP sensor

AP Sensor / IAP Sensor

Cam Position Sensor is not provided like GSX-R models. Instead of cam position sensor, combustion cycle (Intake/Compression/Combustion/Exhaust) is monitored by air pressure sensor monitoring air pressure at #1 throttle bore.

CMP sensor



GSX-R1000K5 - K8

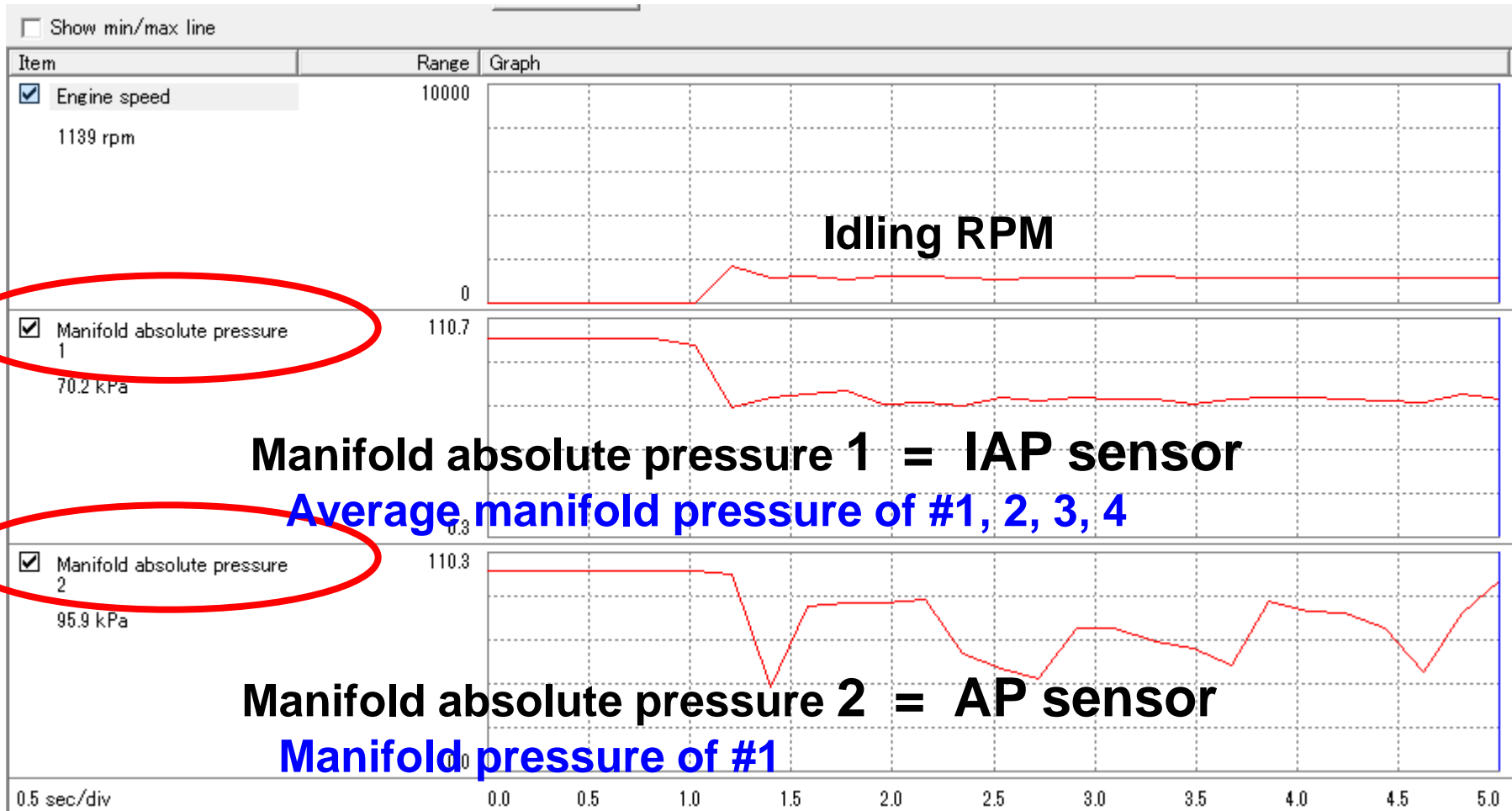
	GSX-R	GSX-S1000
Atmospheric pressure	AP sensor	AP sensor
Combustion cycle (*)	CMP sensor	
Intake air pressure	IAP sensor	IAP sensor

* Intake / Compression / Combustion / Exhaust

AP Sensor / IAP Sensor on SDS



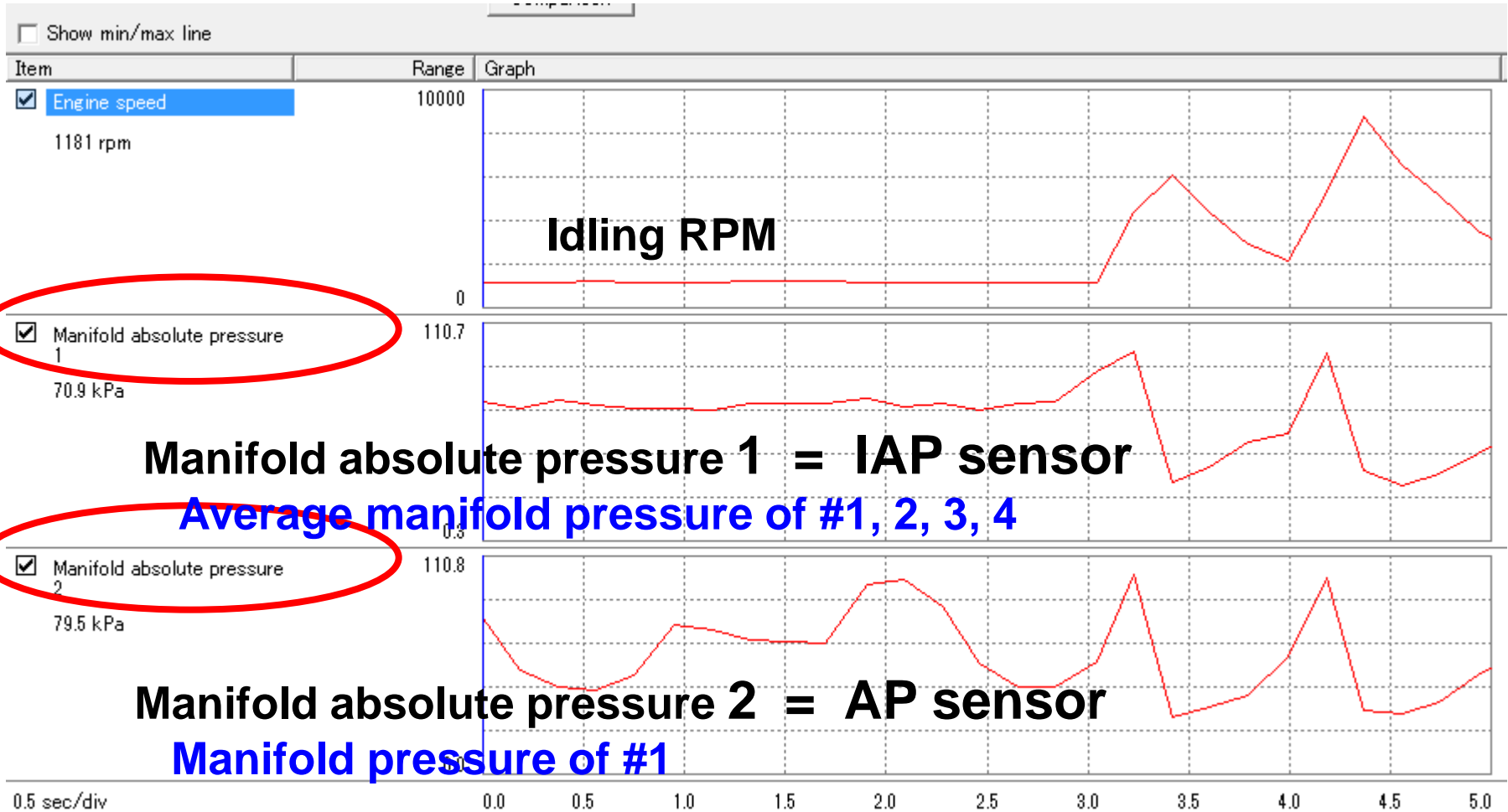
Way of Life!



AP Sensor / IAP sensor on SDS

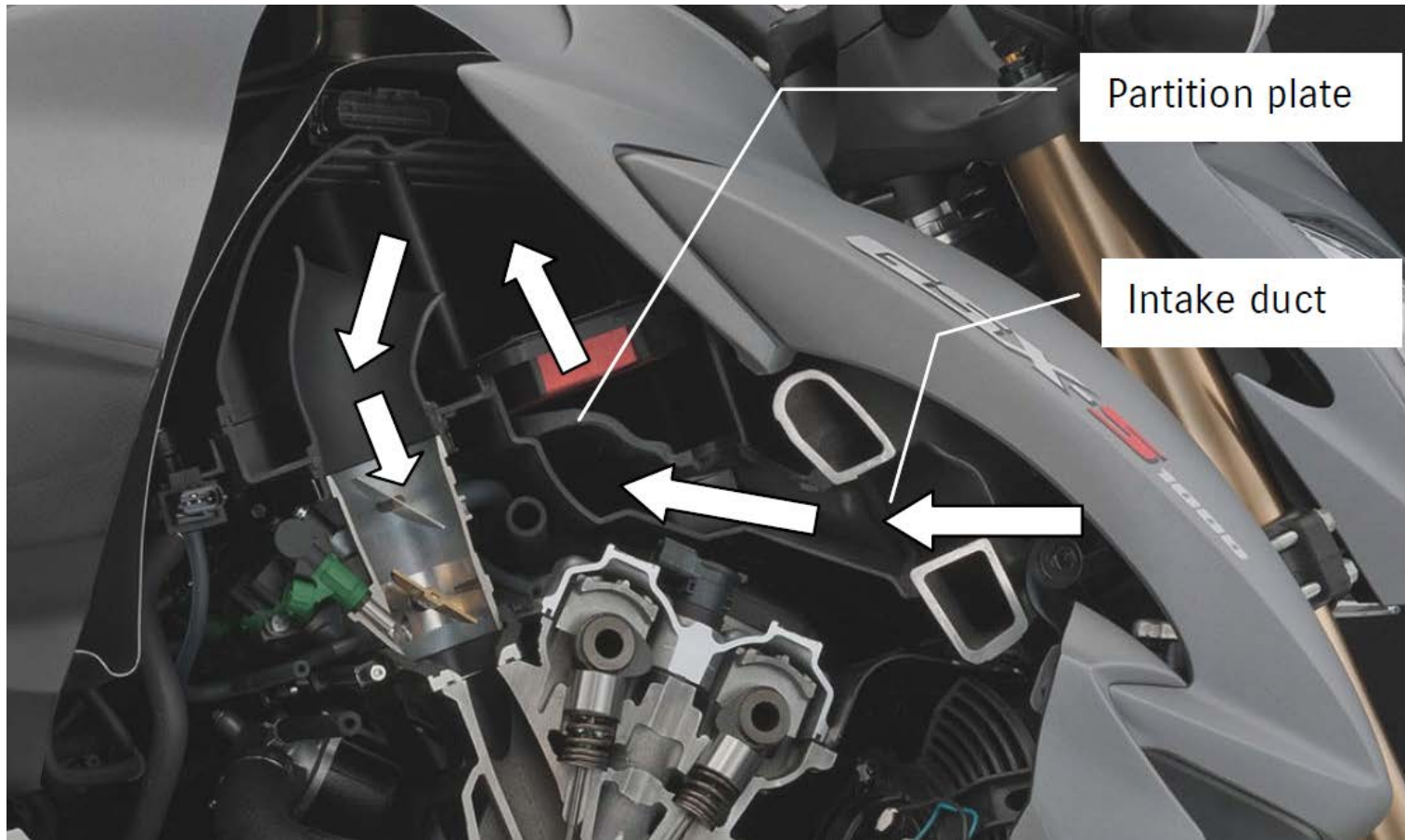


Way of Life!

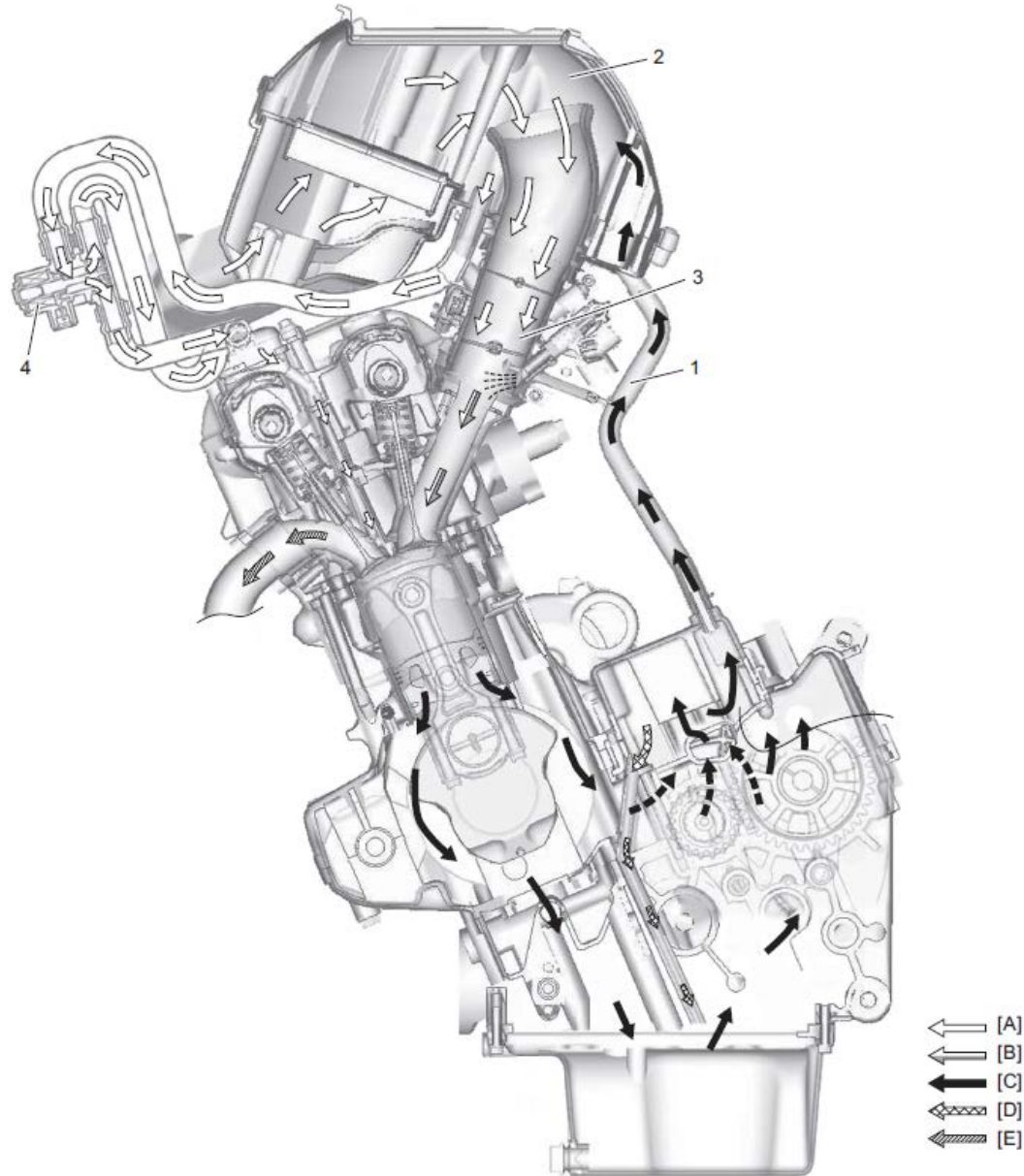


Air Cleaner

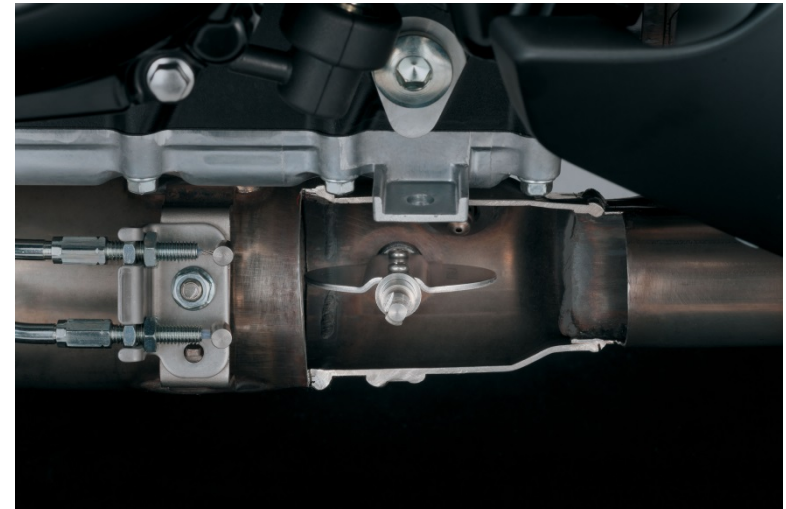
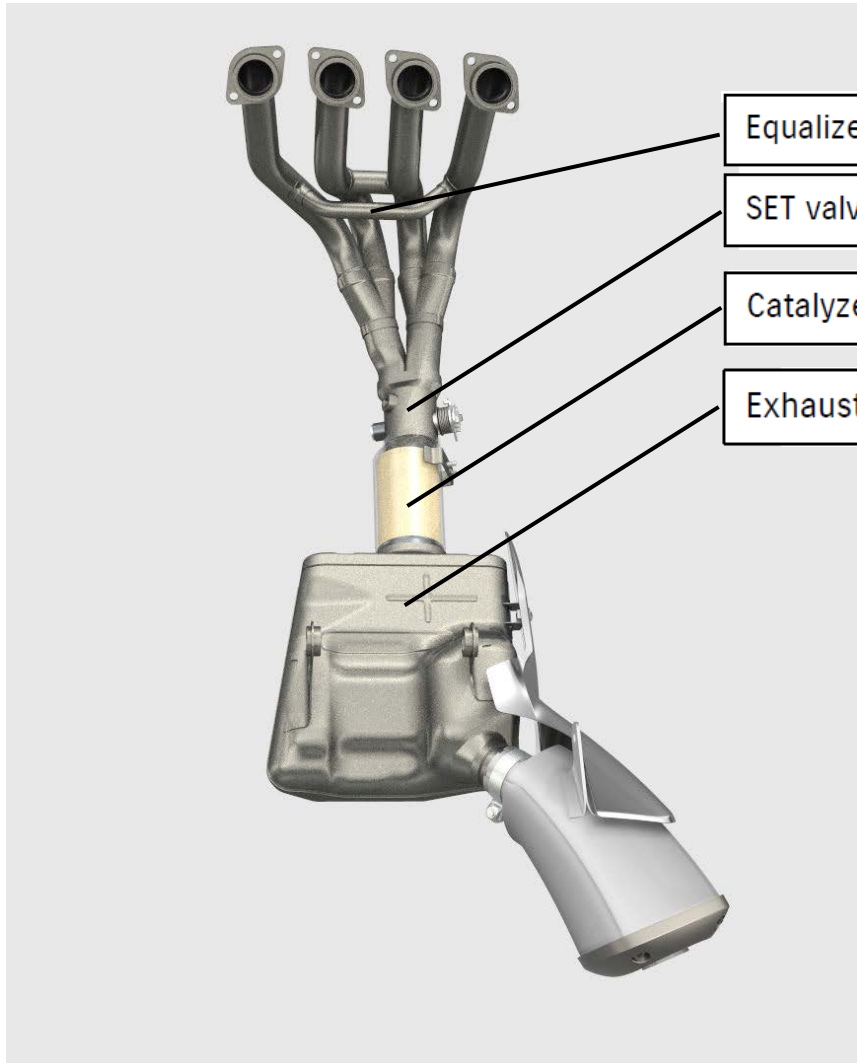
- Air cleaner is newly designed to match with required intake capacity.
- The air cleaner has partition plate inside the box, which guides air into the box, that increases intake efficiency and also it reduces intake noise.



Crankcase Emission Control System



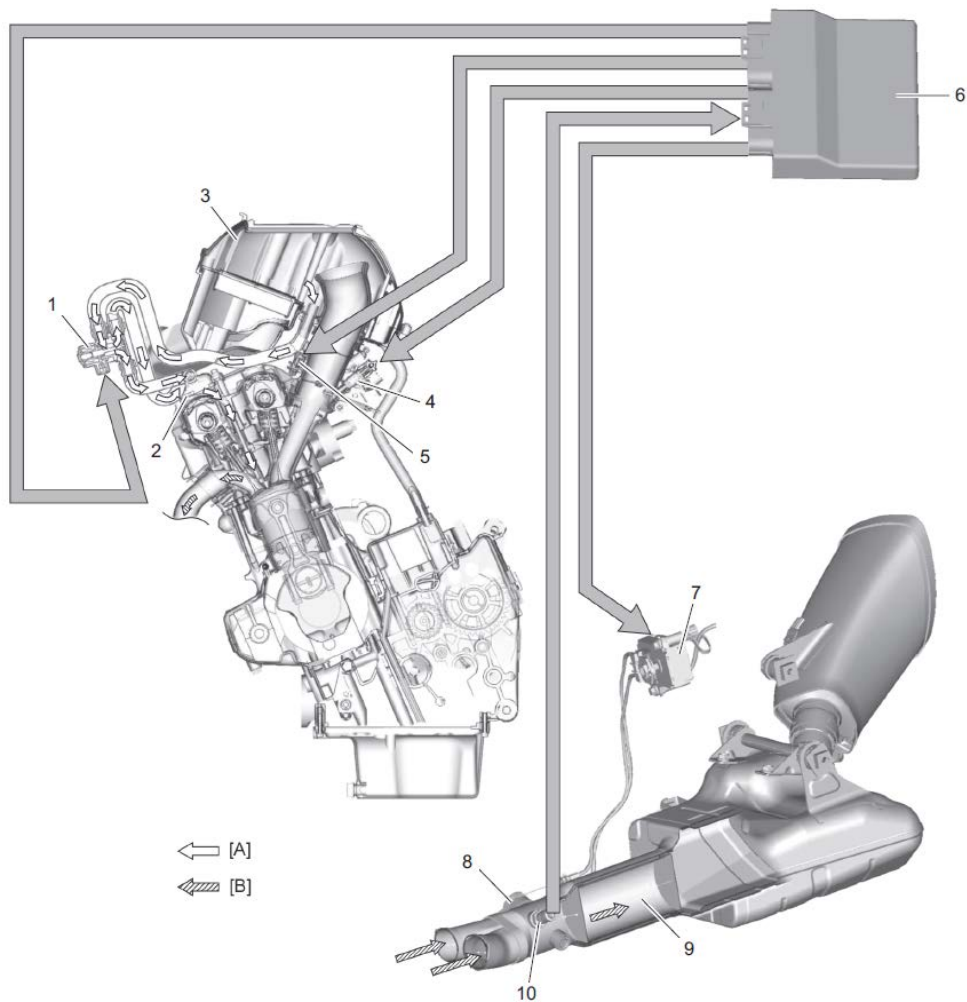
Exhaust System



Exhaust Emission Control System

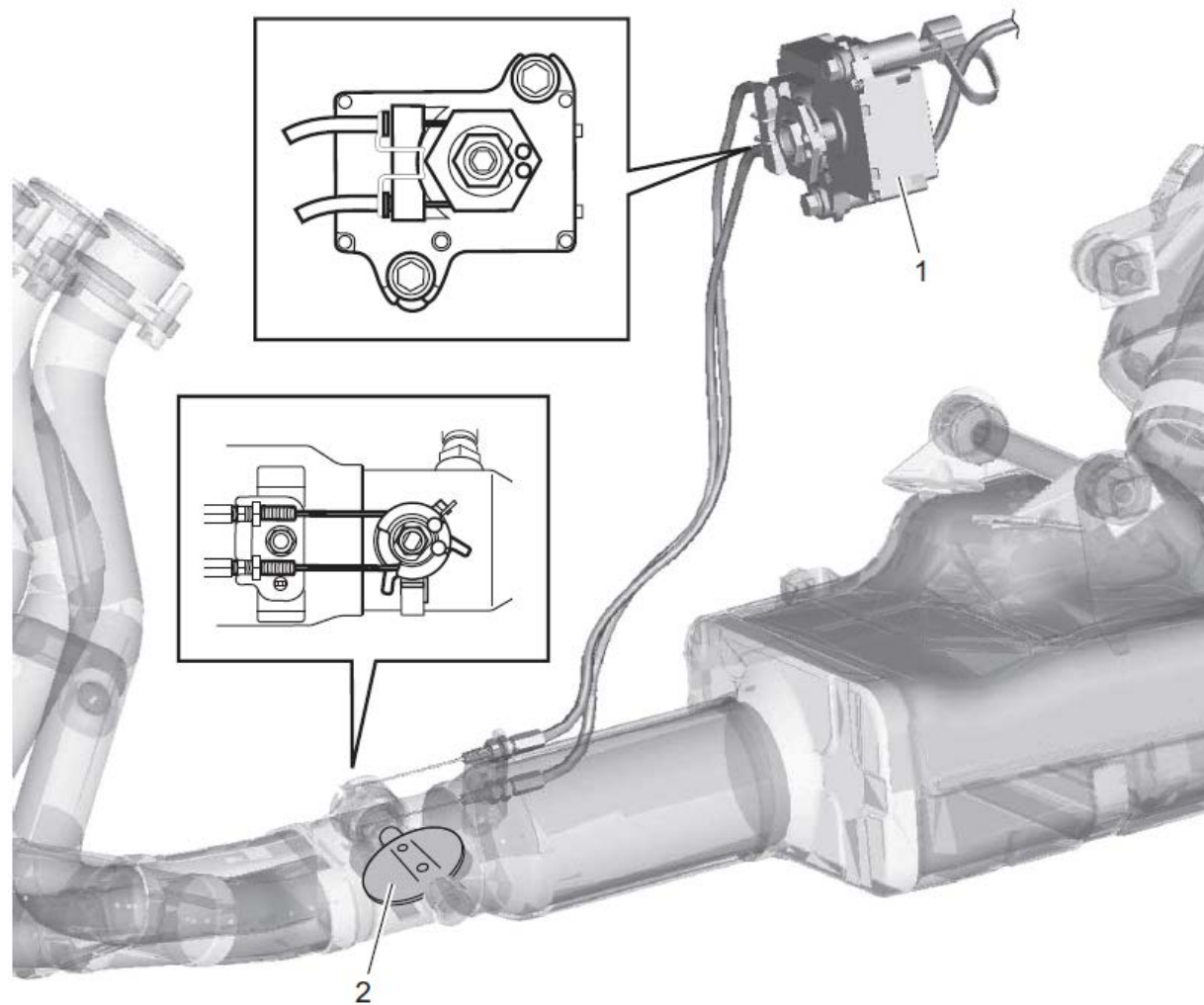


Way of Life!



1. PAIR control solenoid valve	4. Fuel injector	7. Exhaust control valve actuator	10. HO2 sensor
2. PAIR reed valve	5. ISC valve	8. Exhaust control valve	"A": Fresh air
3. Air cleaner box	6. ECM	9. Three-way catalyst	"B": Exhaust gas

Exhaust Emission Control System



Fuel



Way of Life!

The engine is designed to use PREMIUM unleaded gasoline only. Use premium unleaded gasoline under all riding conditions.

Fuel label

E03, 28, 33

Use PREMIUM unleaded gasoline with min. 90 pump octane.

E12, 21, 24 and others

Use PREMIUM unleaded gasoline with min. 95 octane (RON).

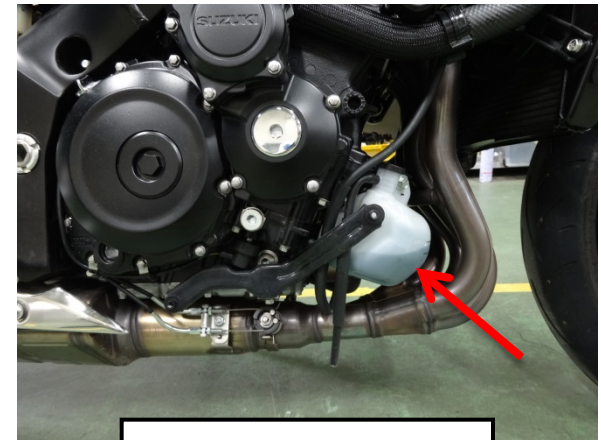
Written in English or local language



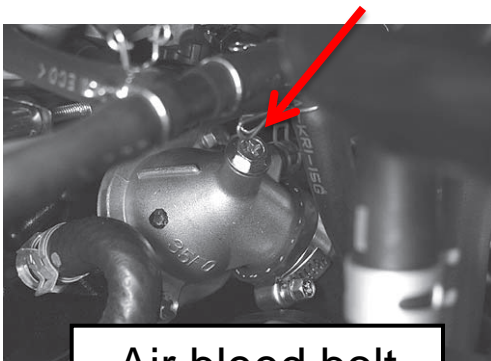
Fuel label

Cooling System - Radiator

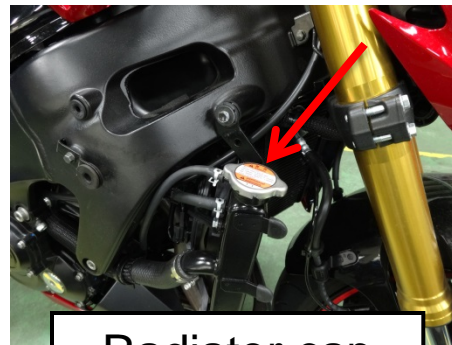
Newly designed, High-efficiency round shaped radiator has strong cooling performance. The radiator shrouds efficiently guide air to radiator core.



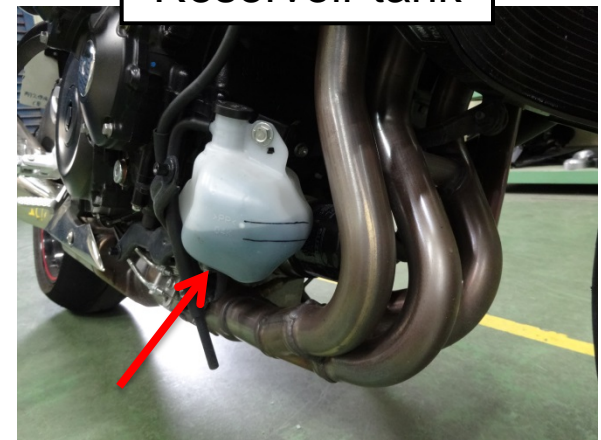
Reservoir tank



Air bleed bolt



Radiator cap



Cooling System - Oil cooler

- Liquid-cooled oil cooler is used unlike air-cooled type on the GSX-R1000.
 - Benefit of liquid-cooled oil cooler is lightweight, compact and clean look.
- Thanks to its compact design, it creates room for exhaust pipes.

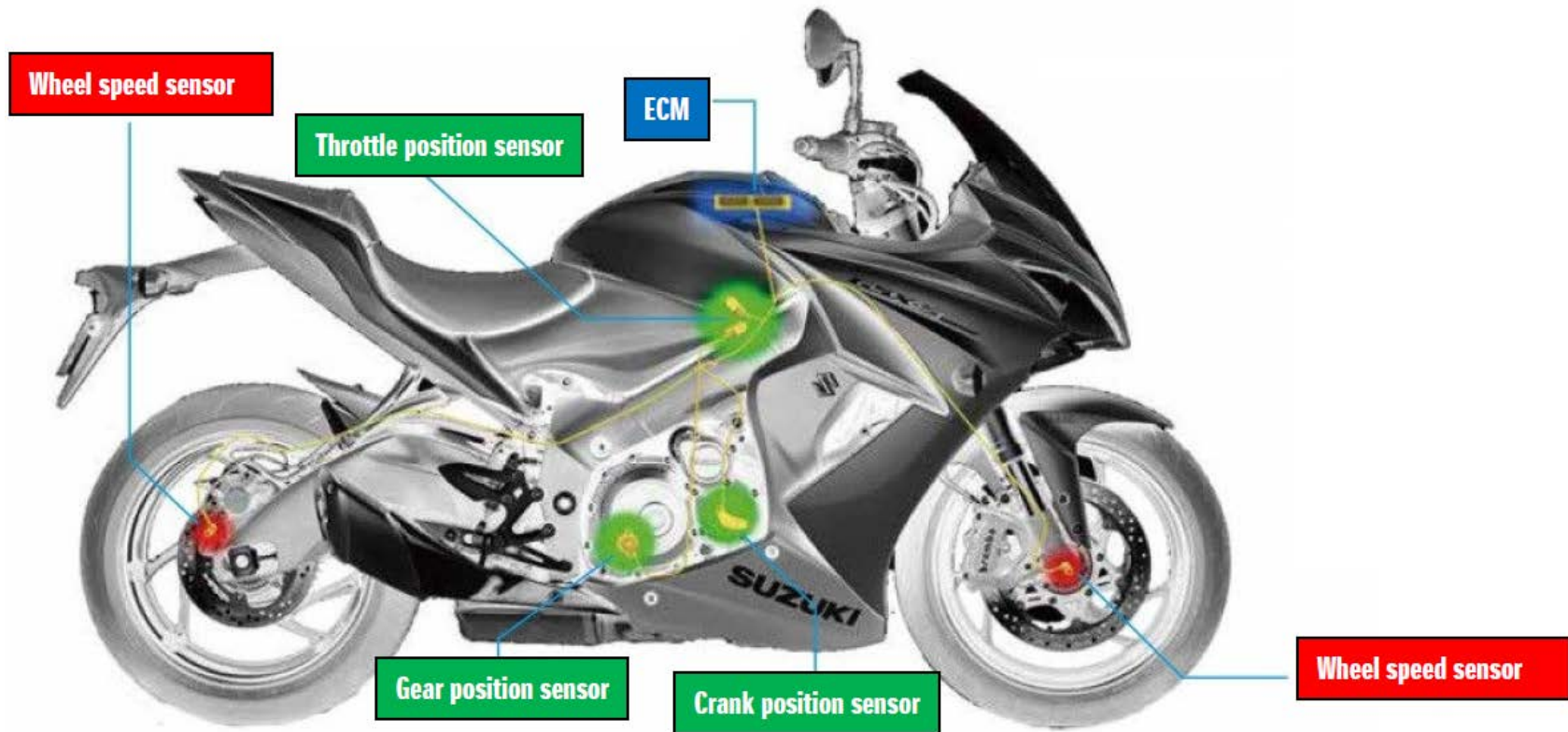


3-mode Traction Control System



Way of Life!

GSX-S1000A/FA features Suzuki's advanced traction control system to let the rider to control throttle with more confidence in various riding conditions. As a results rider can enjoy sport riding with more confidence, with less stress and fatigue.



3-mode Traction Control System



Way of Life!

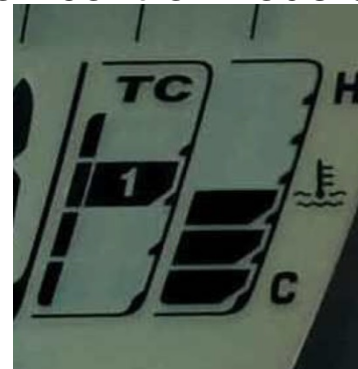
- Rider can select 3 different modes 1, 2, 3 and off, depends on conditions or rider's preference. The difference between mode 1, 2 and 3 is sensitivity levels.
- Mode 1 is the lowest sensitivity level, allows certain level of rear wheel spin. It is suitable for sport riding in good grip road conditions.
- Mode 2 is the second lowest sensitivity level. System activates slightly earlier than Mode 1. It is suitable for most of the riders and road conditions.
- Mode 3 is the highest sensitivity level, system activate earlier than other 2 modes. It is suitable in bad road conditions.

Mode	Sensitivity level	Suitable conditions
OFF	-	-
1	Low	Sport riding, good road conditions
2	Middle	City riding, regular road conditions
3	High	Wet or cold conditions

Traction control switch



Traction control mode display



Multi-Function Instrument Panel



Way of Life!

Full LCD Instrument cluster is designed lightweight and compact. Thanks to its full-LCD design, it eliminates motor and needle mechanics, it weighs only 275g. (i.e. GSR750 instrument: 320g, GSX-R1000 instrument: 380g)



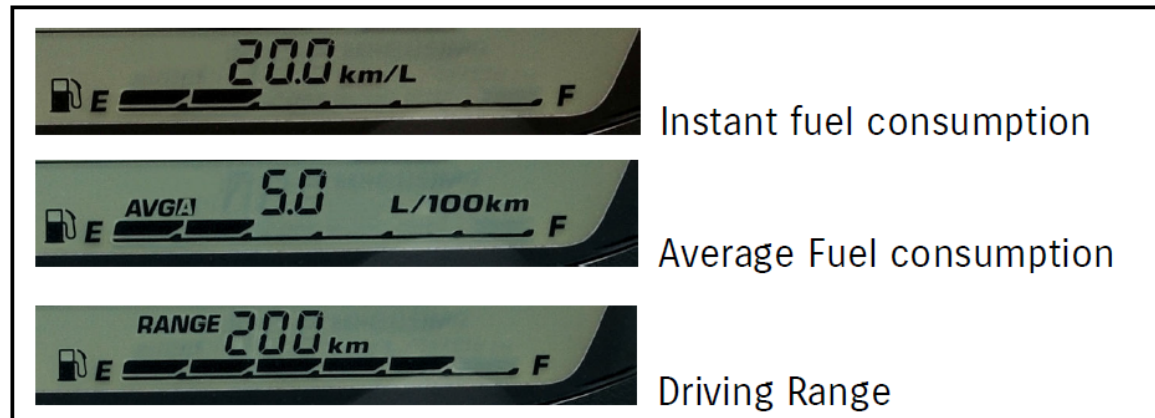
Multi-Function Instrument Panel



Way of Life!

Instruments are brightness-adjustable full LCD. The LCD readouts includes;

- Speedometer
- Tachometer
- Odometer
- Dual trip meter
- Gear position
- Water temperature
- Driving range
- Average fuel consumption
- Instant fuel consumption
- Traction control mode
- Fuel gauge
- Clock



White back light for good visibility in night time riding.

LED indicators include a turn signal, high-beam, Neutral, Malfunction indicator, ABS, traction control system and coolant temperature /oil pressure indicator lights are designed to easy to recognize.

Bar-type tachometer features “peak-hold” function, which shows peak rpm when rpm drops. So rider can recognize the peak rpm of the last moment when downshifting.

Selectable Tachometer Display



Way of Life!

Sample movies

Normal

Negative/Positive
reverse image

Selectable Tachometer Display



Way of Life!

1 segment

2 segment

Peak hold

Suzuki Easy Start System



Way of Life!

- GSX-S1000A/FA features a new Suzuki Easy Start system. On the regular motorcycle engine starting, rider need to press-hold the starter switch until the engine fires up. On the GSX-S1000F, all you need to do is just one-push the starter switch just like the recent automobile's engine start system. The 32-bit ECM recognizes the signals and keeps starter motor working for a certain time.
- Thanks to the new system, rider doesn't have to pull the clutch lever in engine starting. (when the gear is in neutral)



Suzuki Easy Start System



Way of Life!

When the electric starter switch is pushed, the starter motor will continue turning for about 1.5 seconds even when you release your hand from the switch. After elapsing about 1.5 second, or when the engine is started, the starter motor will stop automatically.

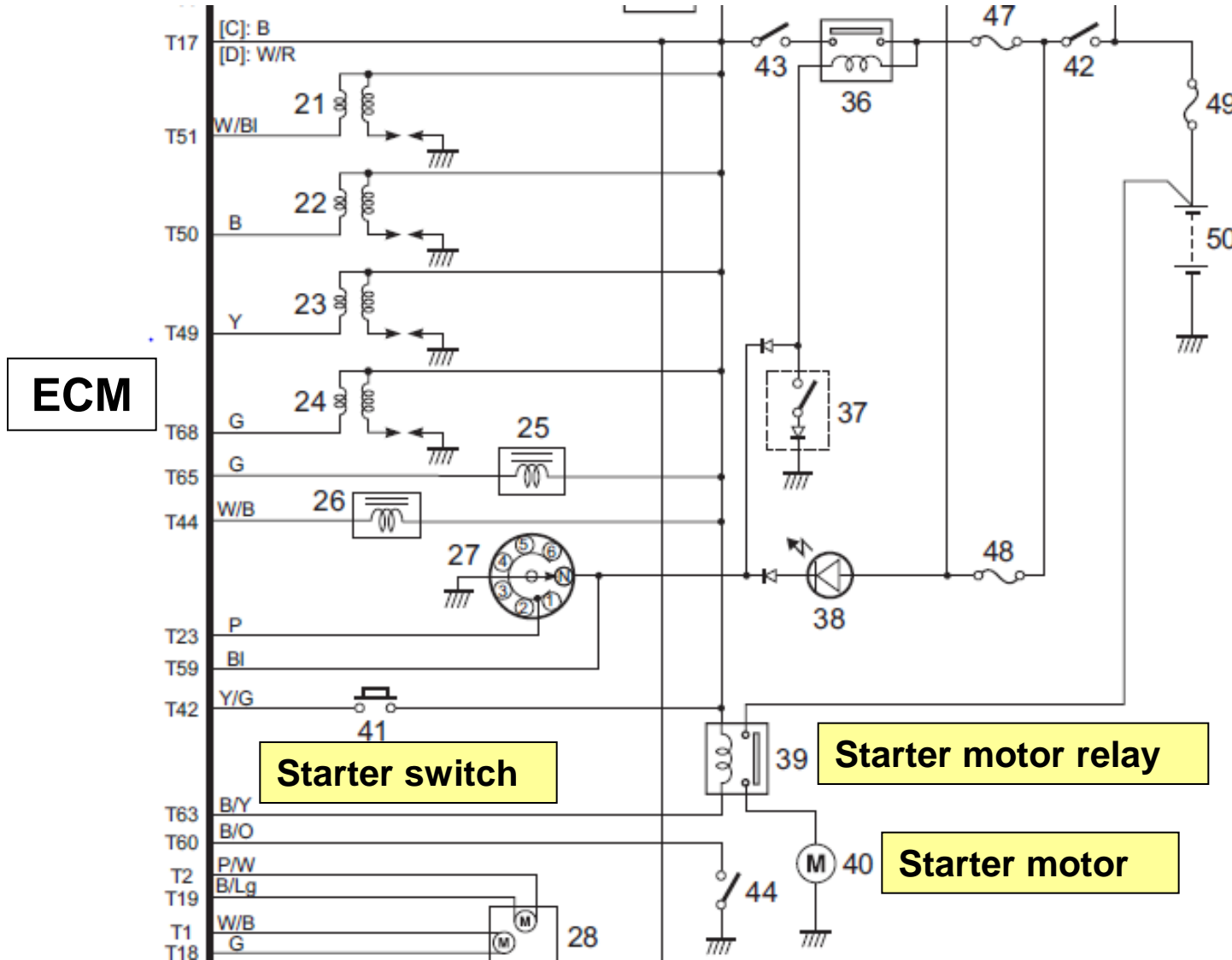
Starter interlock system

Engine can only be started if:

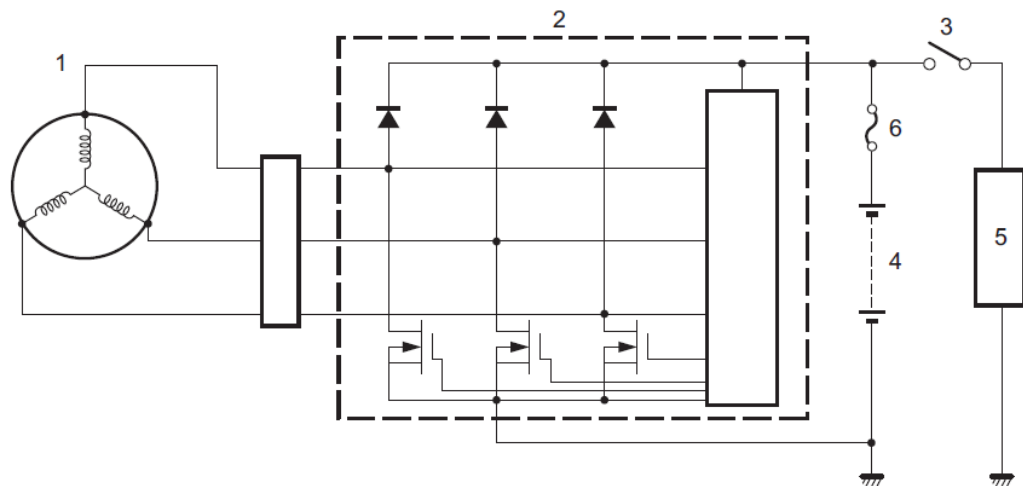
- The transmission is in neutral,
or**
- The transmission is in gear,
the side stand is fully up and
the clutch is disengaged**

Different from the previous Suzuki models, no need to disengage the clutch when the transmission is in neutral

Suzuki Easy Start System



Charging System



1. Generator	3. Ignition switch	5. Load
2. Regulator/rectifier	4. Battery	6. Main fuse



RECTIFIER

Chassis Design



Way of Life!

Newly designed chassis is engineered in compact, lightweight package to provide agile, fun-to-ride character for variety of riders. And it is aimed to perform best in real world riding conditions - all roads which riders meet on Public roads, city traffic, highway, rural roads and winding roads.



Low Seat Height and Slim Bodywork



Way of Life!

- Seat height is 810mm, one of the lowest in 1000cc sport naked class.
- Seat and fuel tank meet slim, it makes feet reach ground easier.

GSX-S1000A



GSX-S1000FA



Frame and Swingarm

- Newly designed main frame is aimed to provide nimble handling and great road holding performance.
- Main tube is designed straight from steering head to swingarm pivot. It is ideal design to achieve both high rigidity and lightweight.
- The frame is designed with latest FEM analysis technology; the weight of the frame is lighter than that of the current GSX-R1000.
- The aluminum alloy swingarm is derived straight from the current GSX-R1000.
- The highly rigid, ruggedly braced swingarm provides great road holding performance and Superbike looks.

Dimension	GSX-S1000
Wheelbase	1460mm
Rake/Trail	25° / 100mm
Seat height	810mm



Seat



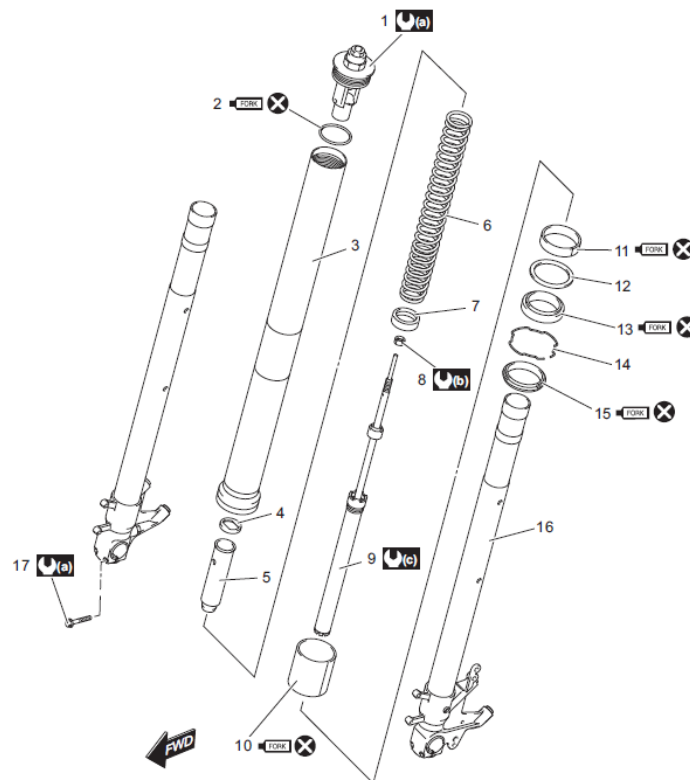
Way of Life!

Seat shape is tailored for sport riding – easy to move around, good grip of seat skin.



Front Suspension

- Newly equipped, 43mm KYB Inverted front fork has 120mm stroke, provide sporty yet plush ride.
- The front fork is fully adjustable damping, rebound, compression and spring pre-load.



Front fork oil capacity

Each leg

GSX-S1000/A [Standard]: 518 ml (17.52 US oz, 18.23 Imp oz)

GSX-S1000F/FA [Standard]: 523 ml (17.68 US oz, 18.41 Imp oz)

Front fork oil level

Without spring, outer tube fully compressed

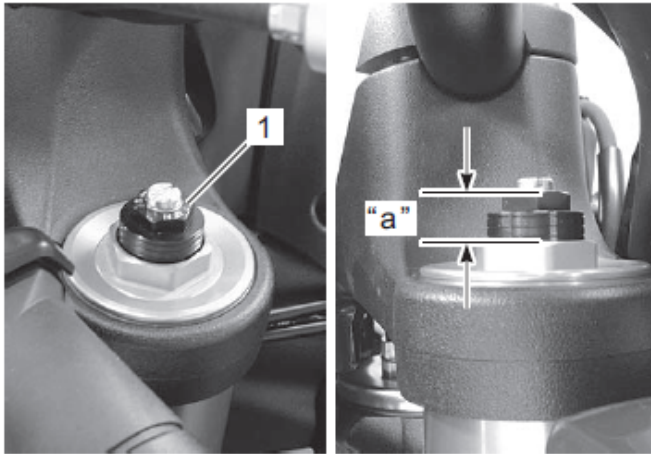
GSX-S1000/A [Standard]: 95 mm (3.7 in)

GSX-S1000F/FA [Standard]: 91 mm (3.6 in)

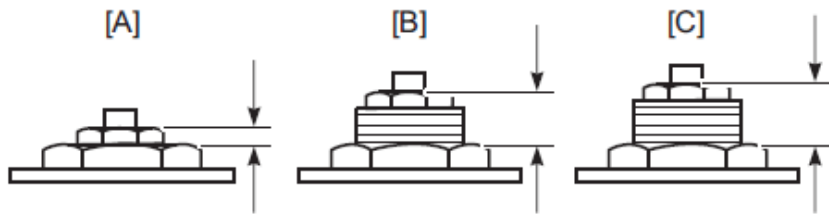
1. Front fork cap bolt	9. Inner rod/damper rod	17. Gasket
2. O-ring	10. Inner tube slide metal	18. Damper rod bolt
3. Outer tube	11. Outer tube slide metal	19. Front axle pinch bolt
4. Spring retainer	12. Oil seal retainer	(b): 23 N·m (2.3 kgf·m, 17.0 lbf·ft)
5. Spacer	13. Oil seal	(c): 15 N·m (1.5 kgf·m, 11.0 lbf·ft)
6. Spring	14. Oil seal stopper ring	(d): Apply thread lock to the thread part.
7. Spring seat	15. Dust seal	(e): Apply fork oil.
8. Lock-nut	16. Inner tube	(f): Do not reuse.

Front Suspension Adjustment

Front fork spring adjuster [Standard]: 10 mm (0.39 in)



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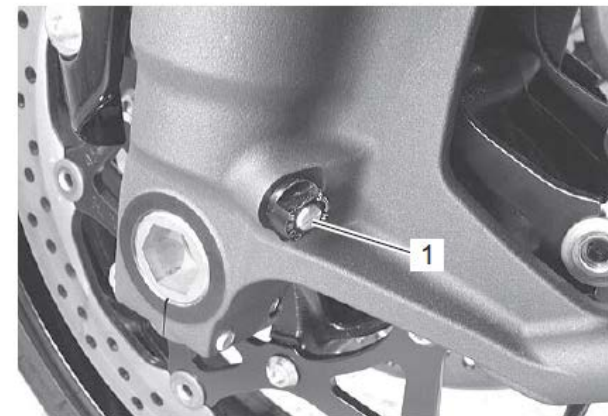
IE31J1220004-02

[A]: 4 mm (0.16 in) (maximum)	[C]: 14 mm (0.55 in) (minimum)
[B]: 10 mm (0.39 in) (standard)	

Front fork damping force adjuster Rebound side [Standard]: 8 clicks counterclockwise from stiffest position



Front fork damping force adjuster Compression side [Standard]: 8 clicks counterclockwise from stiffest position

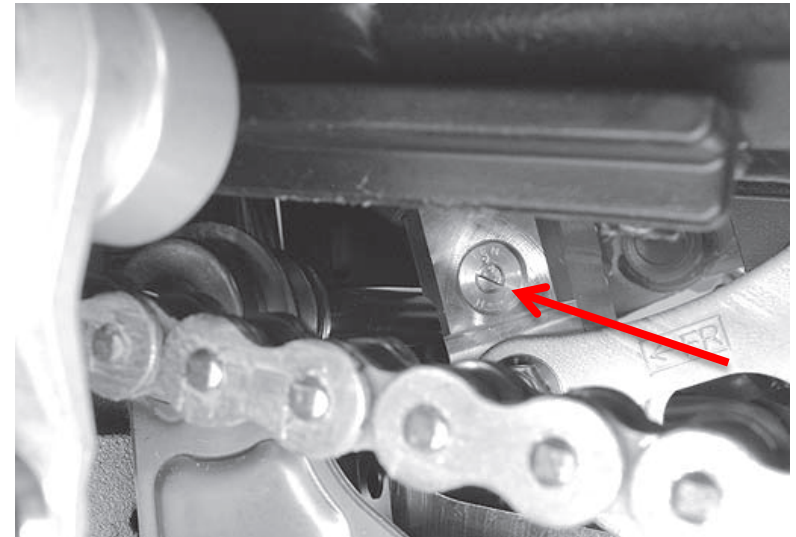


Rear Suspension

- Link-type shock unit has 63 mm stroke, tuned for a superb progressive feel, reacts efficiently to road surface conditions, delivering an agile and stable feel.
- Rear suspension is adjustable for rebound damping and spring pre-load.



Rear shock absorber spring adjuster
[Standard]: 2nd position



Rear shock absorber damping force adjuster
[Standard]: 1 turn counterclockwise from stiffest position

Brembo Radial Mount Brake Calipers and ABS



Way of Life!

- Brembo mono-block front brake calipers are mated with 310mm floating-mount dual discs provides strong braking performance.
- The front brake calipers have four opposite pistons. (all 32mm)
- The front brake calipers are same type used on 2014 GSX-R1000.
- Antilock Brake System (ABS)* monitors wheel speed 50 times per wheel rotation, and matches stopping power to available traction.
- ABS control unit, produced by BOSCH, is compact and lightweight design, weights only 640g.



Wheels and Tires

- Newly designed, 6-spoke cast aluminum wheels are made light weight, provide nimble handling and sporty appearance.
- Dunlop radial tires, D214F (front) and D214R (rear) provide great grip in sport riding on the public roads.

	Size	Brand
Front tire	120/70ZR17	D214F
Rear tire	190/50ZR17	D214



Handlebar

- Handlebar is Renthal Fatbar. Its aluminum made, tapered design increases the rigidity of the handlebar, and reduces weight and vibration
- Renthal is known as top-end handlebar brand in off-road motorcycle world. Its mat-black finish, and Renthal logo on the center enhances customized look in the cockpit.



GSX-S1000A

Headlight and Turn Signal Lights



Way of Life!

- Distinctively shaped headlight is multi-reflector type with 12V60/55W bulb.
- LED position lights are located under the headlight, shaped as a look of fang of a beast.



Headlight and Turn Signal Lights

- Distinctively shaped dual headlights are multi-reflector type with twin 12V/55W bulbs.
- LED position lights are located under the headlights, impresses its distinctive look.

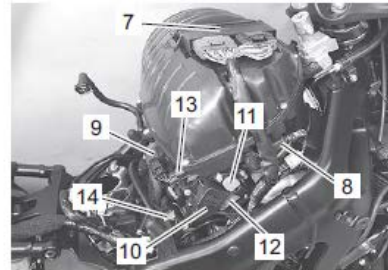
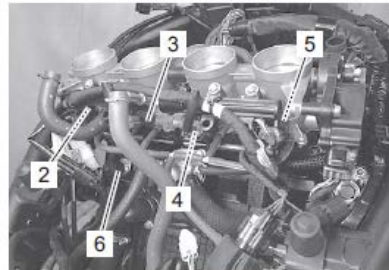


Rear Combination Lights

- Thin, flatly shaped rear combination lights use LED for high visibility and long life. It is double lens design that emphasizes classy look of tail section.
- License plate light uses 12V5W bulb.

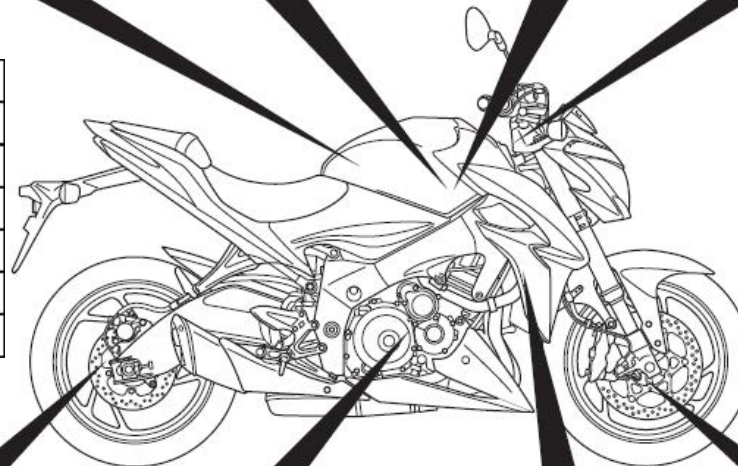


Component Location

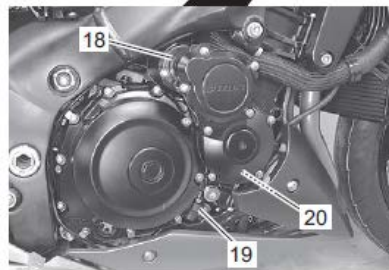
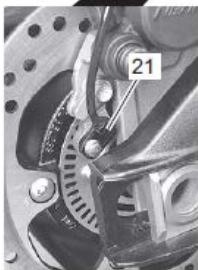


- | |
|------------------|
| 8. AP sensor |
| 9. IAP sensor |
| 10. STV actuator |
| 11. STP sensor |
| 12. TP sensor |
| 13. IAT sensor |
| 14. EVAP system |

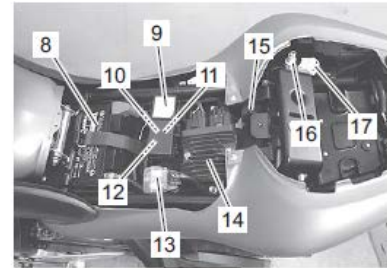
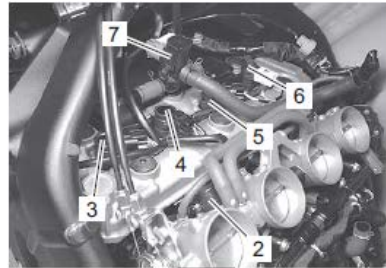
- | |
|-------------------------------|
| 1. Fuel pump/Fuel level gauge |
| 2. Fuel injector #1 |
| 3. Fuel injector #2 |
| 4. Fuel injector #3 |
| 5. Fuel injector #4 |
| 6. ECT sensor |
| 7. ECM |



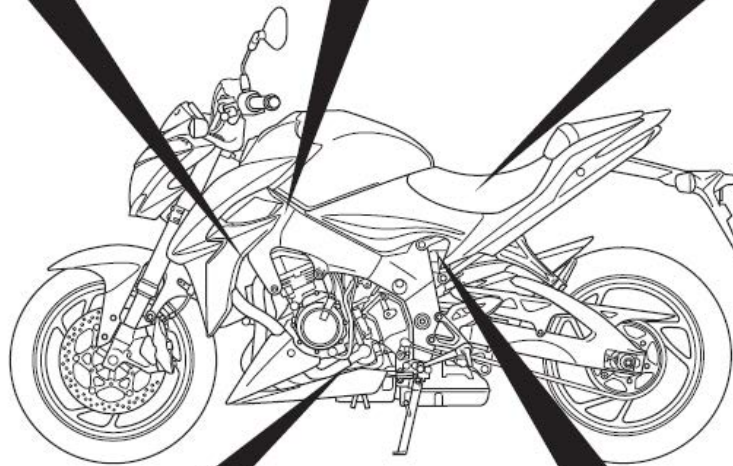
- | |
|---------------------------------------|
| 15. Immobilizer antenna (If equipped) |
| 16. Front wheel speed sensor |
| 17. Cooling fan |
| 18. Starter motor |
| 19. Oil pressure switch |
| 20. CKP sensor |
| 21. Rear wheel speed sensor |



Component Location

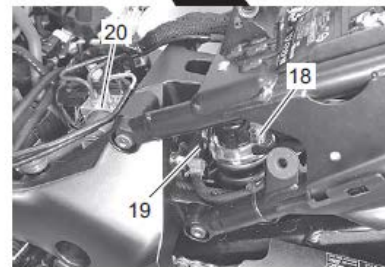
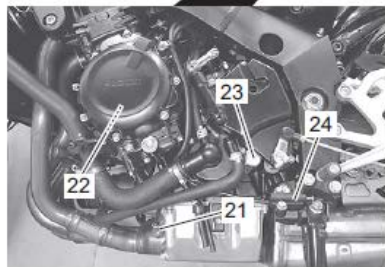


- | |
|--------------------------------|
| 1. Horn |
| 2. ISC valve |
| 3. Ignition coil #1 |
| 4. Ignition coil #2 |
| 5. Ignition coil #3 |
| 6. Ignition coil #4 |
| 7. PAIR control solenoid valve |
| 8. Battery |



- | |
|-------------------------------|
| 9. Fuse box |
| 10. Cooling fan relay |
| 11. Side-stand relay |
| 12. Fuel pump relay |
| 13. Starter relay/Main fuse |
| 14. Regulator/rectifier |
| 15. Turn signal relay |
| 16. Mode select coupler (ABS) |

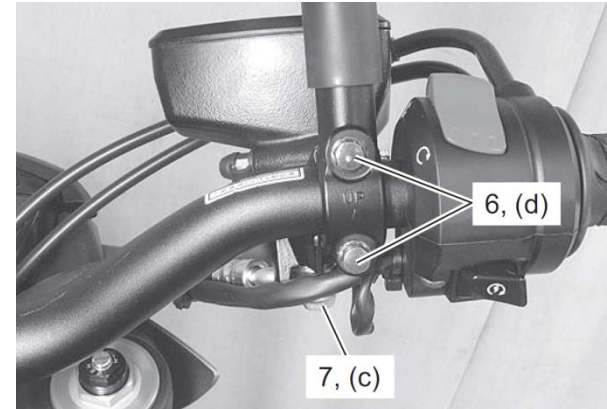
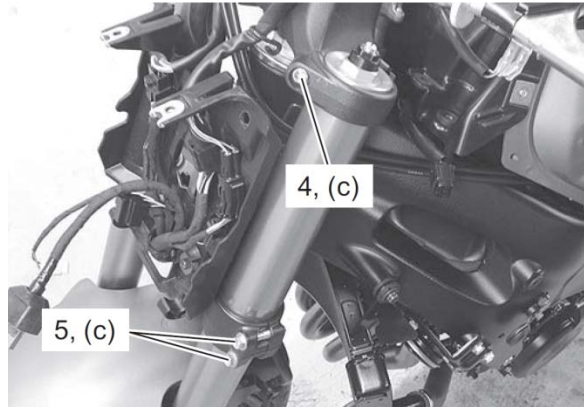
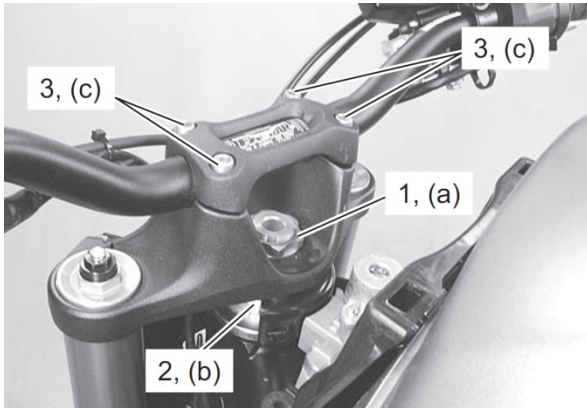
- | |
|----------------------------------|
| 17. Mode select coupler (FI/SDS) |
| 18. TO sensor |
| 19. EXCV actuator |
| 20. ABS control unit/HU |
| 21. HO2 sensor |
| 22. Generator |
| 23. GP switch |
| 24. Side-stand switch |



Tightening Torque for Main Parts (Steering)



Way of Life!

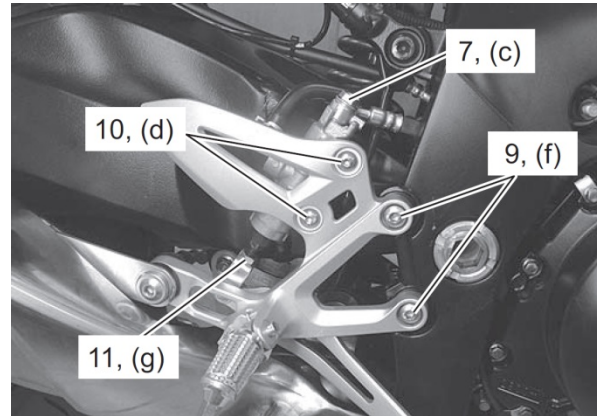
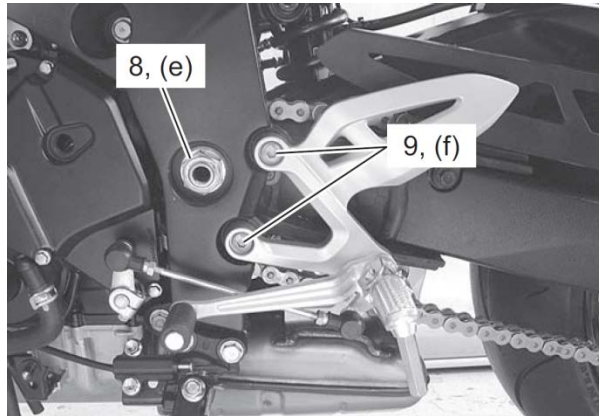


1. Steering stem head nut	(a): 90 N·m (9.2 kgf-m, 66.5 lbf-ft)
2. Steering stem lock-nut	(b): 80 N·m (8.2 kgf-m, 59.0 lbf-ft)
3. Handlebar clamp bolt	(c): 23 N·m (2.3 kgf-m, 17.0 lbf-ft)
4. Front fork upper clamp bolt	(d): 10 N·m (1.0 kgf-m, 7.5 lbf-ft)
5. Front fork lower clamp bolt	(e): 100 N·m (10.2 kgf-m, 74.0 lbf-ft)
6. Front brake master cylinder holder bolt	(f): 26 N·m (2.7 kgf-m, 19.5 lbf-ft)
7. Brake hose union bolt	(g): 18 N·m (1.8 kgf-m, 13.5 lbf-ft)

Tightening Torque for Main Parts (underside)



Way of Life!

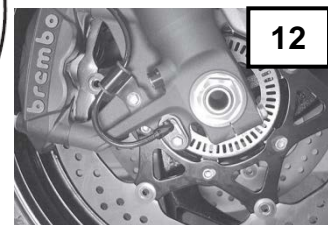
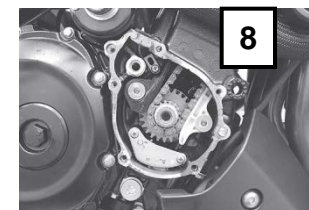
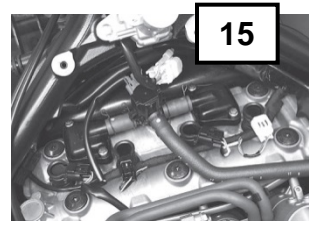
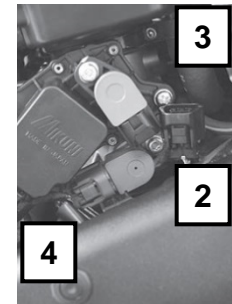
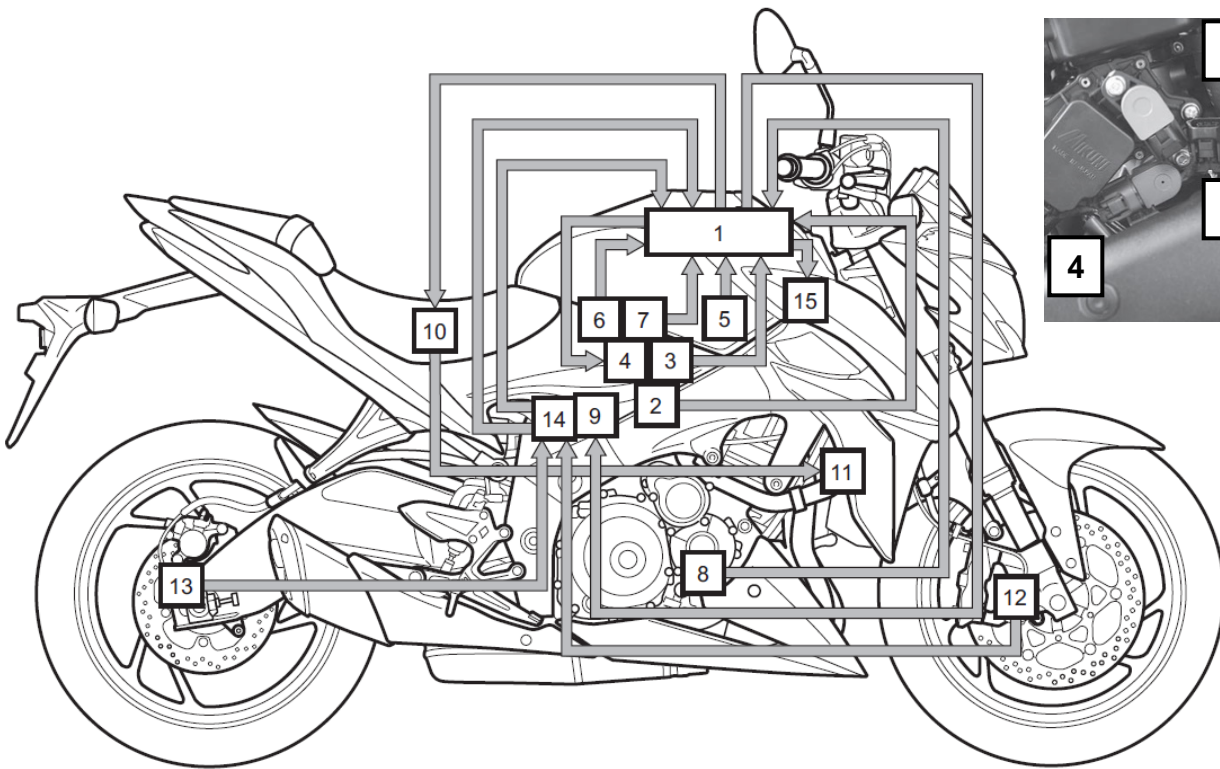
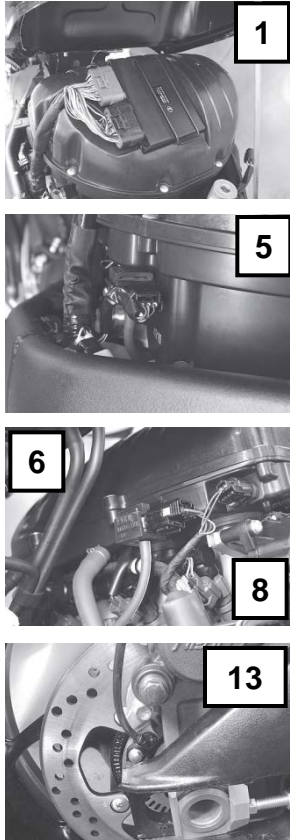


8. Swingarm pivot nut	(c): 23 N·m (2.3 kgf-m, 17.0 lbf-ft)
9. Front footrest bolt	(d): 10 N·m (1.0 kgf-m, 7.5 lbf-ft)
10. Rear brake master cylinder bolt	(e): 100 N·m (10.2 kgf-m, 74.0 lbf-ft)
11. Rear brake master cylinder rod lock-nut	(f): 26 N·m (2.7 kgf-m, 19.5 lbf-ft)
12. Rear axle nut	(g): 18 N·m (1.8 kgf-m, 13.5 lbf-ft)
(a): 90 N·m (9.2 kgf-m, 66.5 lbf-ft)	
(b): 80 N·m (8.2 kgf-m, 59.0 lbf-ft)	

FI System Component Location

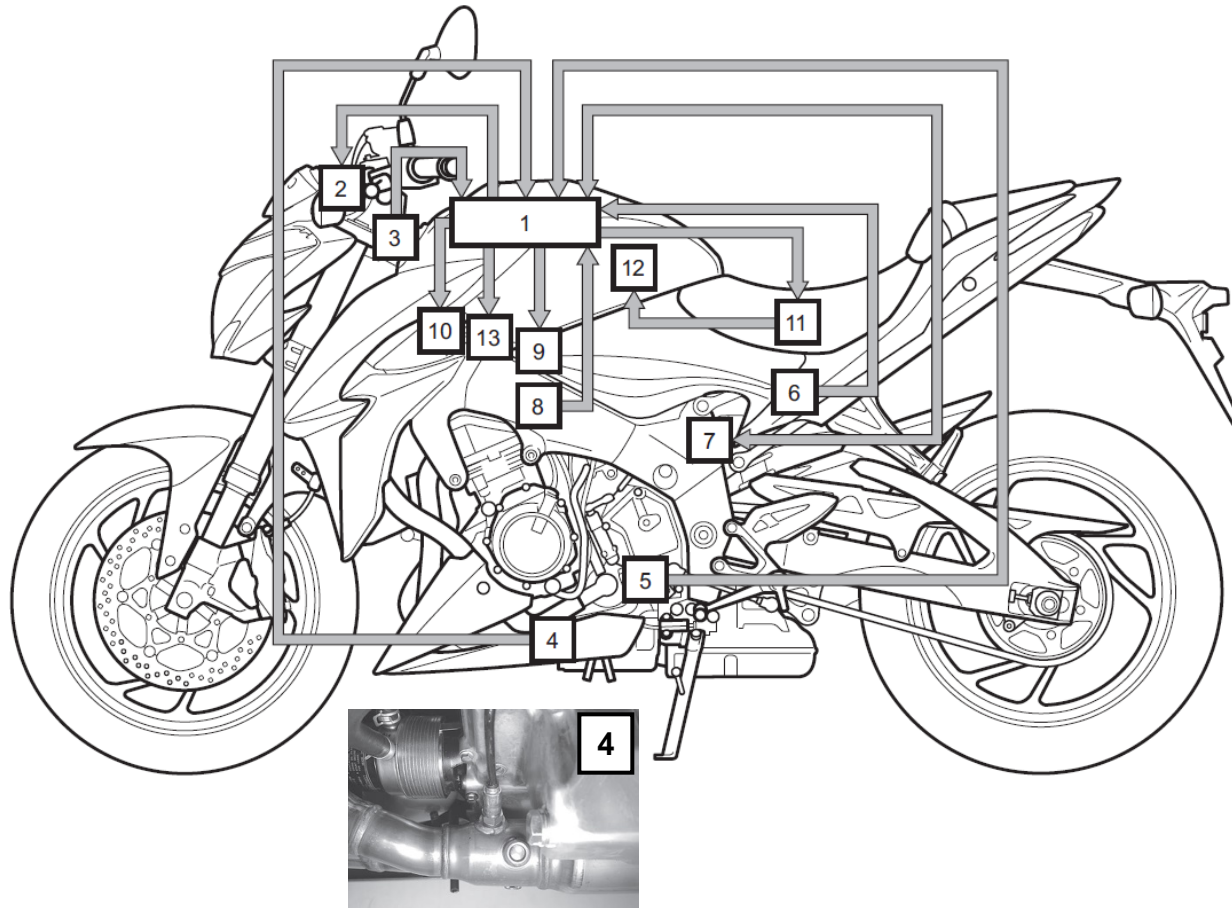


Way of Life!



1. ECM	6. IAP sensor #2	11. Cooling fan
2. TP sensor	7. IAT sensor	12. Front wheel speed sensor
3. STP sensor	8. CKP sensor	13. Rear wheel speed sensor
4. STVA	9. EVAP system purge control solenoid valve (If equipped)	14. ABS control unit (If equipped)
5. IAP sensor #1	10. Cooling fan relay	15. PAIR control solenoid valve

FI System Component Location



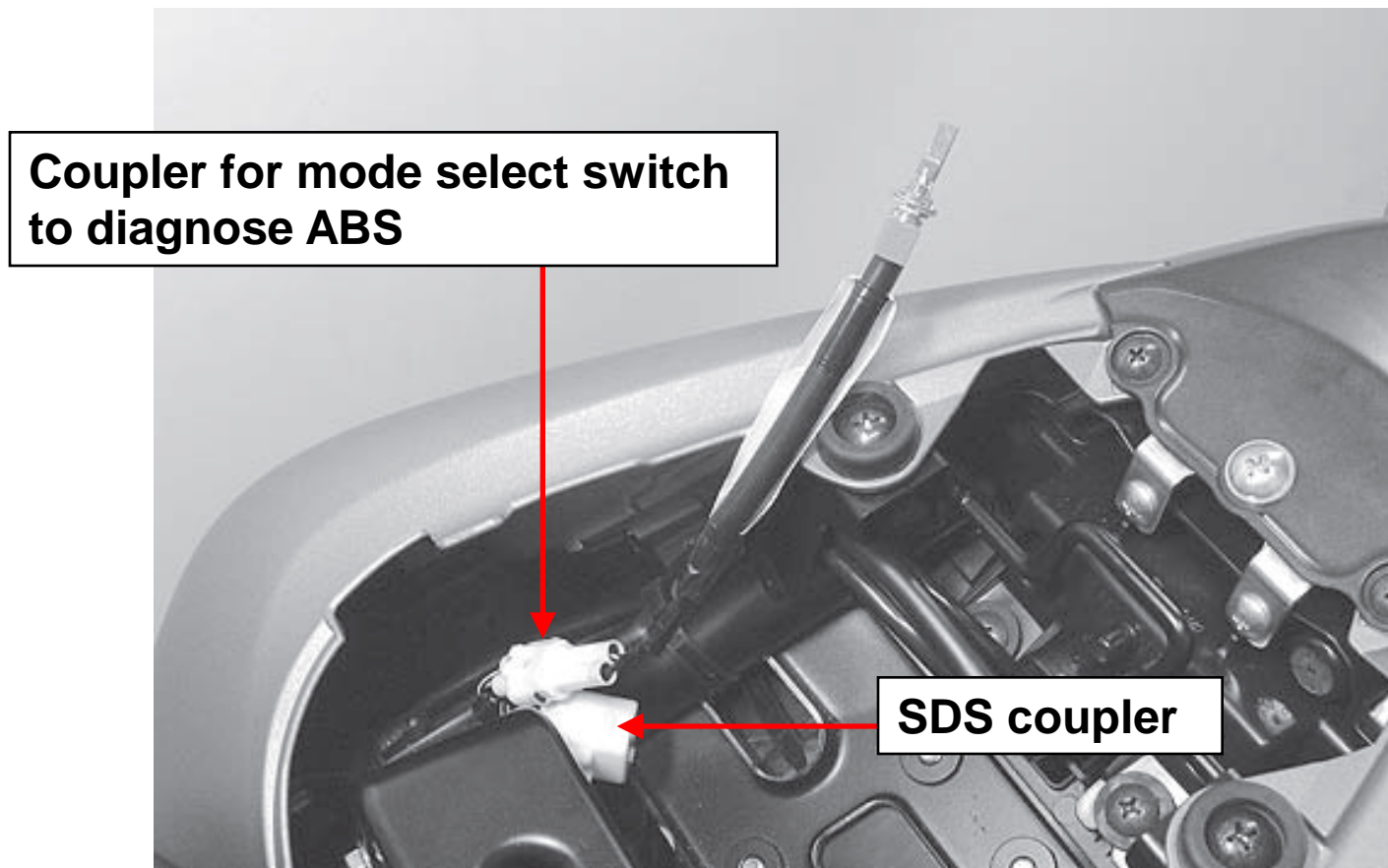
1. ECM	6. TO sensor	11. FP relay
2. Combination meter	7. EXCVA / EXCVA position sensor	12. Fuel pump
3. Ignition switch/Immobilizer (If equipped)	8. ECT sensor	13. ISC valve
4. HO2 sensor	9. Fuel injectors	
5. GP switch	10. Ignition coils	

Location of ABS self-diagnosis coupler



Way of Life!

Coupler for mode select switch (2-terminal type, P/No. 09930-82760) to diagnose ABS is provided beside the SDS coupler under the rear seat.

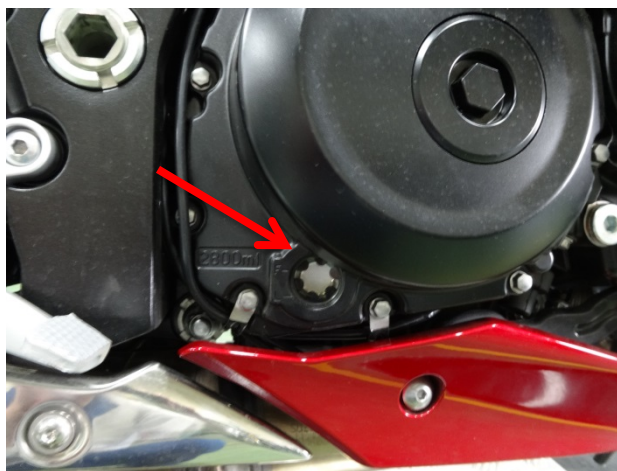
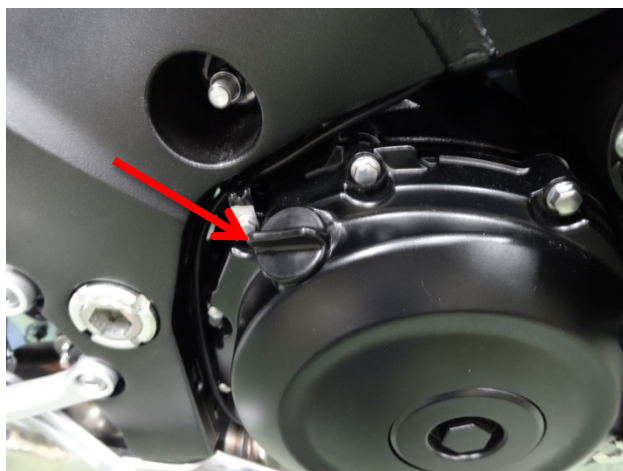


Oil and Oil Filter Change



Way of Life!

Engine oil	Oil change	3200 ml (3.4 US qt, 2.8 Imp qt)
	With filter change	3600 ml (3.8 US qt, 3.2 Imp qt)



GSX-S1000A

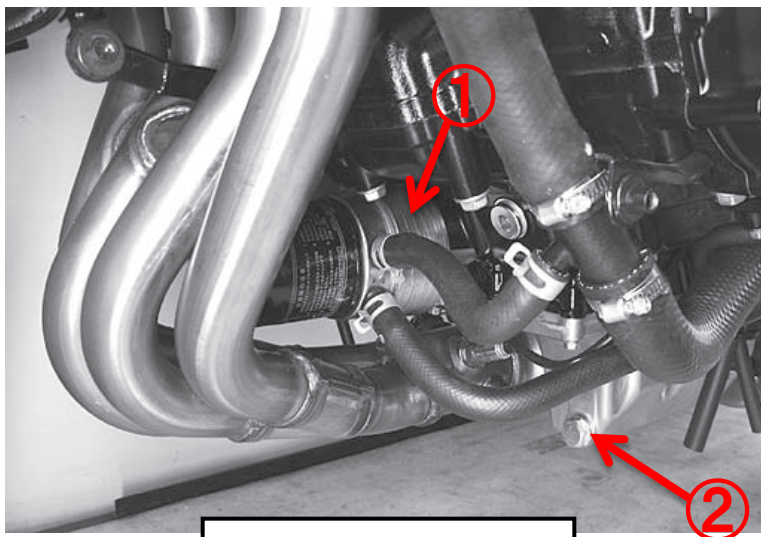


GSX-S1000FA

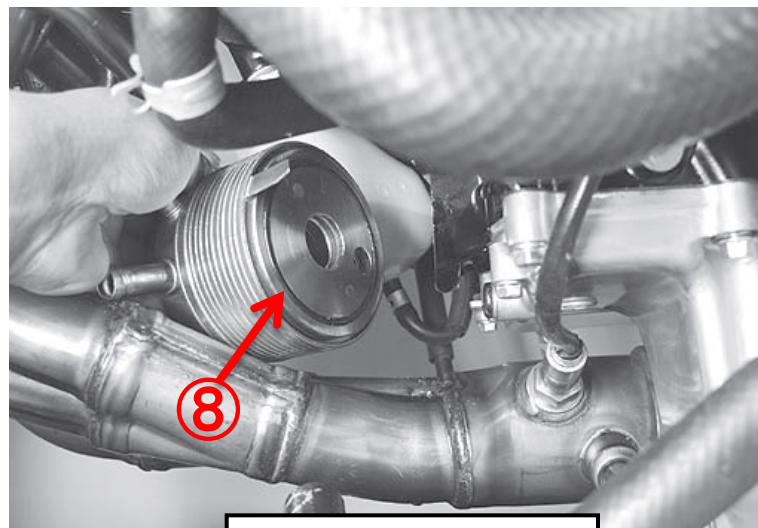
Oil Cooler Removal and Installation



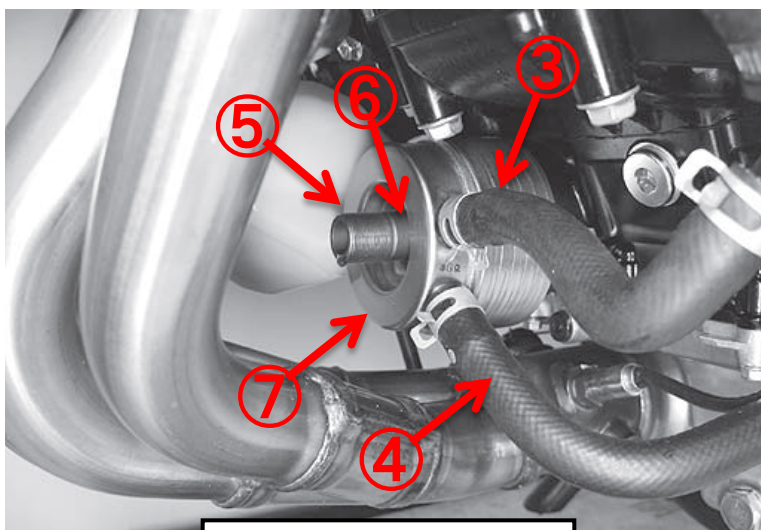
Way of Life!



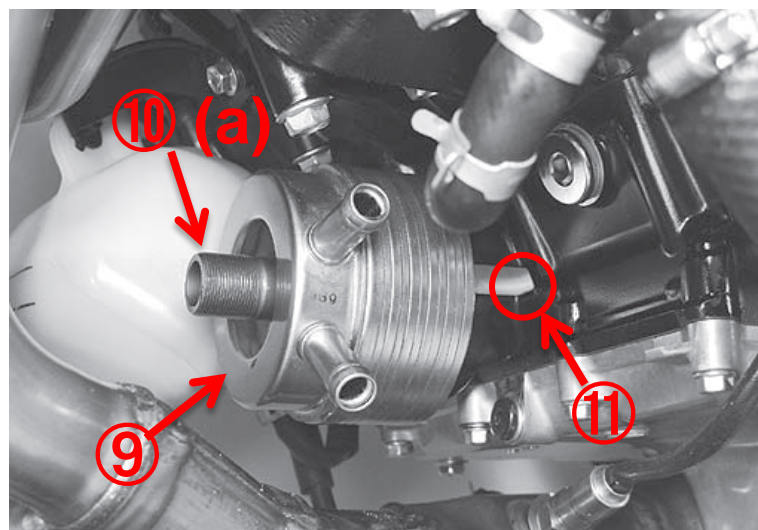
Inspection



Installation



Removal






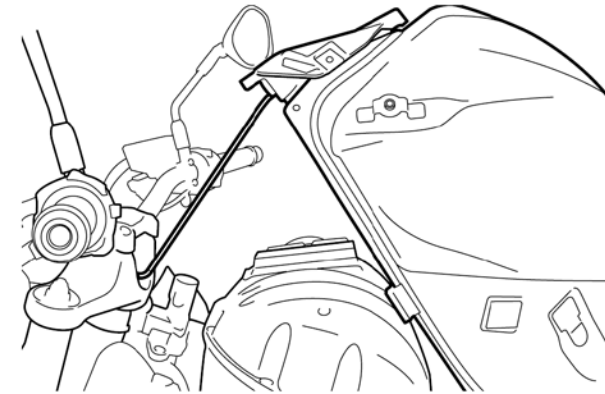
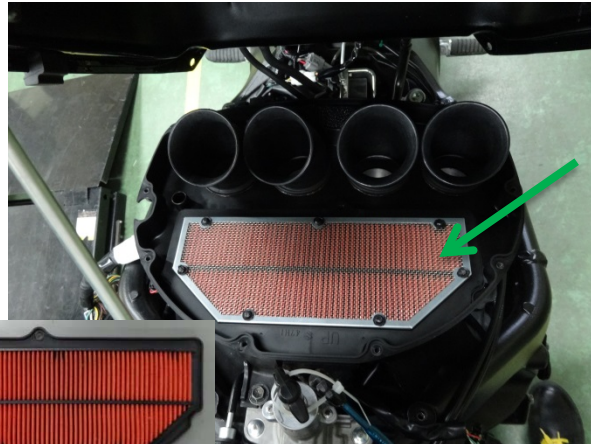
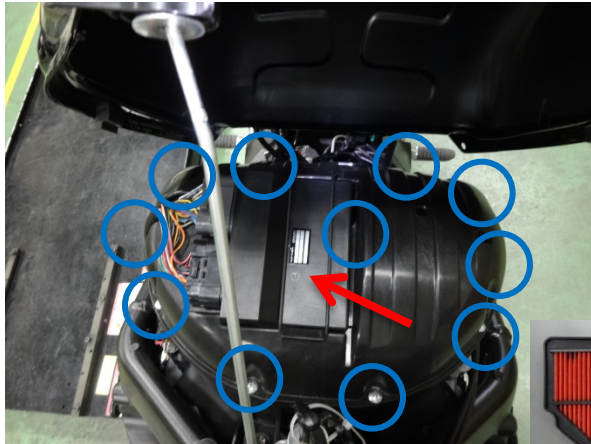
Installation

Cleaner Box and Air Element Removal



Way of Life!

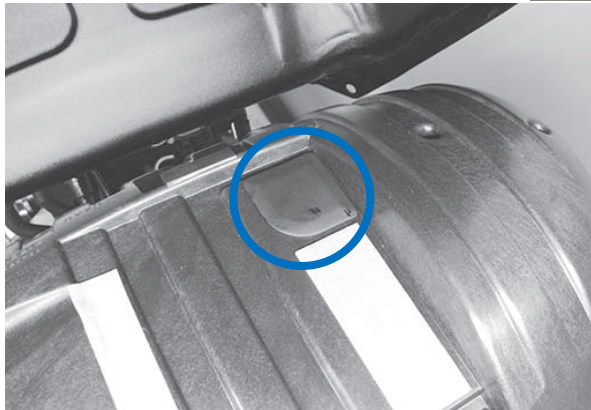
1. Remove ECM on upper cleaner box. 
2. Remove bolts of cleaner box cap. 
3. Remove air element. 





NOTE: A prop stay is available at Suzuki dealer. The prop stay part number is 44560-23H00.

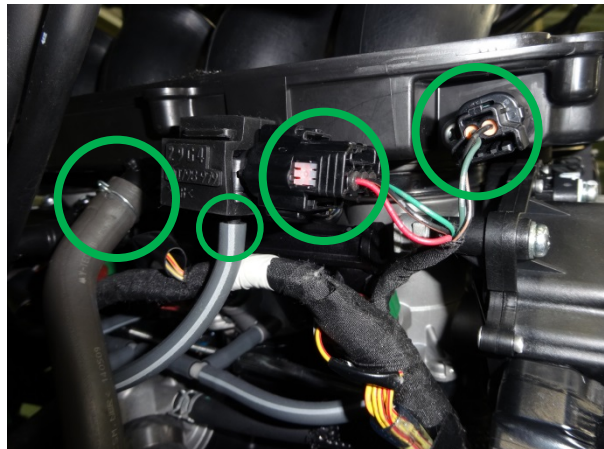
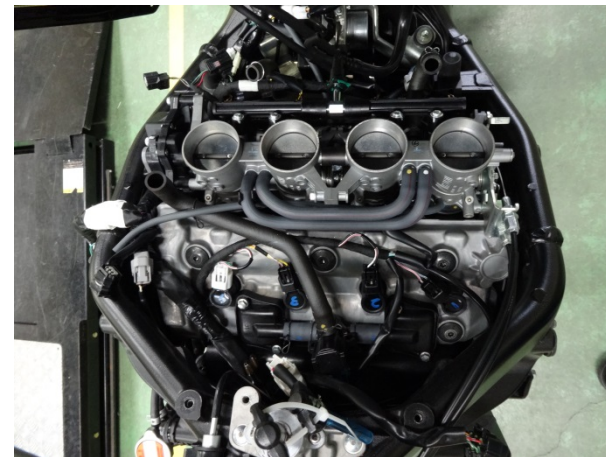
WARNING

If you lift up the fuel tank when it is full, fuel can seep out from the fuel tank cap, creating a fire hazard. Reduce the fuel level to less than 1/4 full before lifting up the fuel tank. The fuel indicator on the instrument panel will blink or remain lit when the fuel level is less than 1/4 full.



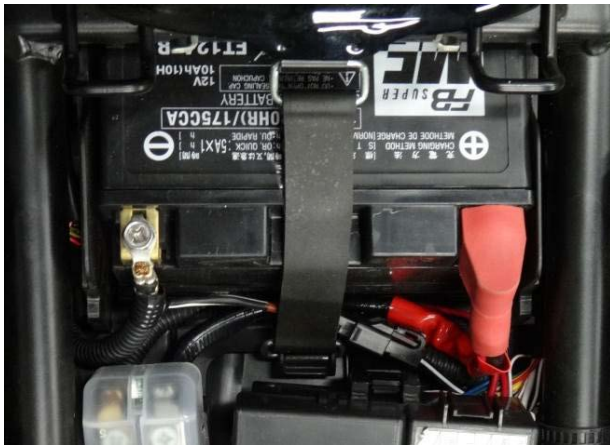
Cleaner Box Removal

1. Remove front bolt. 
2. Remove throttle body fastening bands. 
3. Remove hoses and couplers on the cleaner box. 



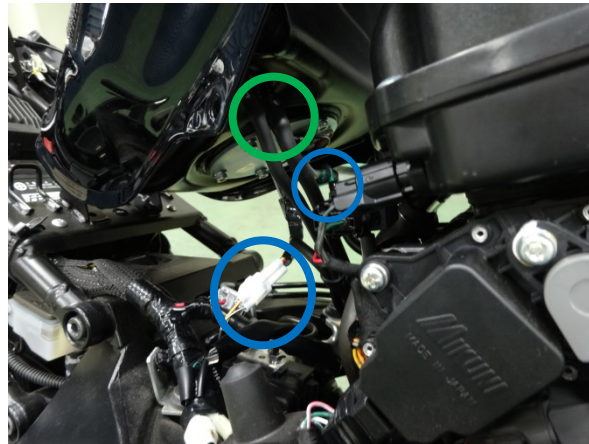
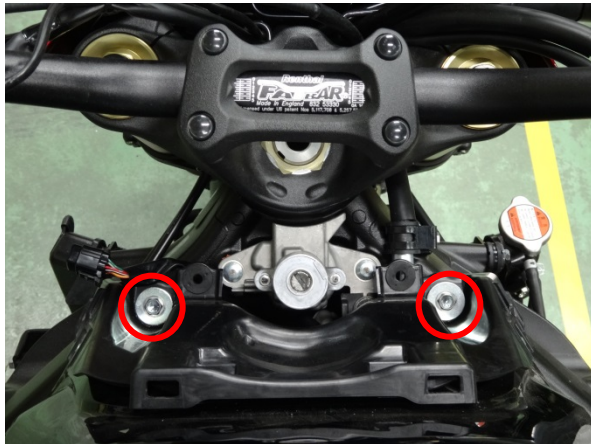
Battery Removal

1. Battery is stored under front seat.
2. The battery can be pulled out inclined angle.



Fuel Tank Removal

1. Remove two fastening bolts at fuel tank, front. ○
2. Lift up fuel tank, remove fuel pump coupler and fuel hose. ○
3. Remove 2 drain hoses of the fuel tank. ○
4. Remove rear fastening bolt at rear, lift up the fuel tank. ○



⚠ WARNING

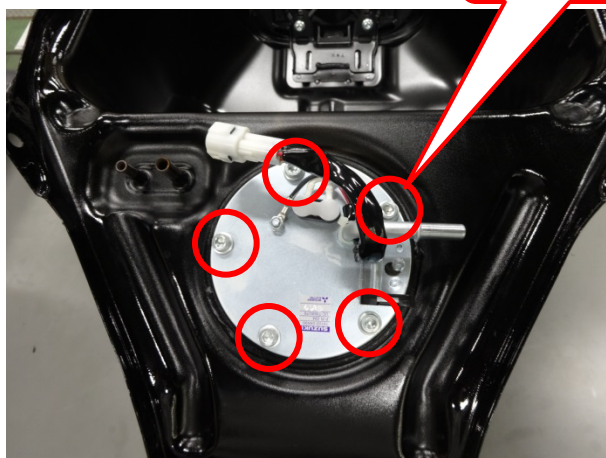
If you lift up the fuel tank when it is full, fuel can seep out from the fuel tank cap, creating a fire hazard.

Reduce the fuel level to less than 1/4 full before lifting up the fuel tank. The fuel indicator on the instrument panel will blink or remain lit when the fuel level is less than 1/4 full.

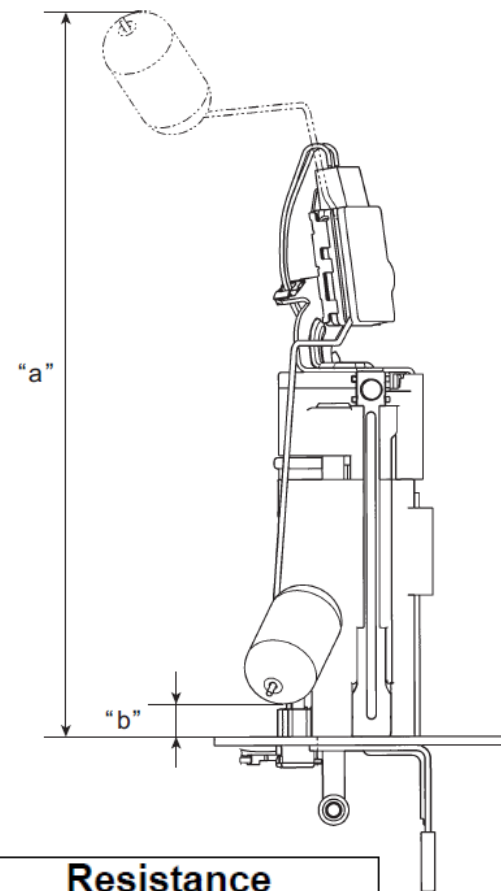
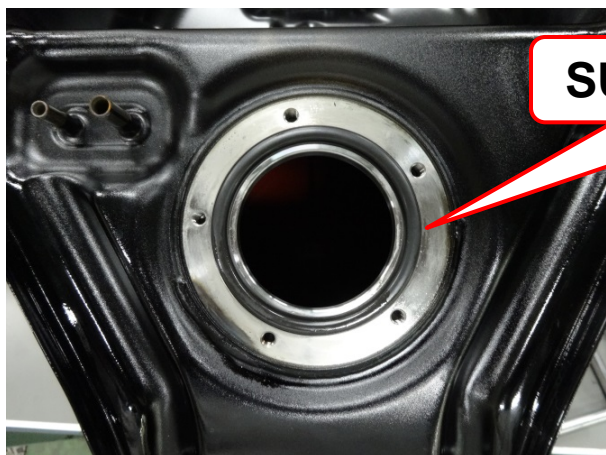
Fuel Pump Removal

1. Remove fuel tank, remove 5 rear under fastening bolts .
2. Remove the 5 bolts, pull out fuel pump. ○

10N·m



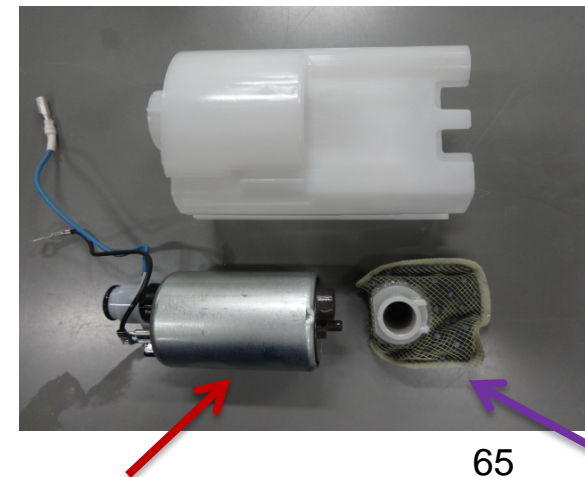
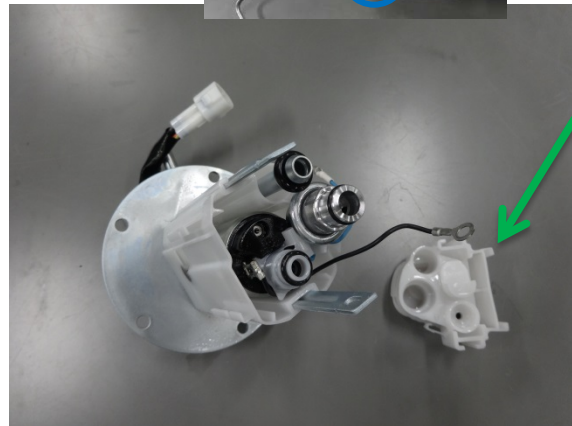
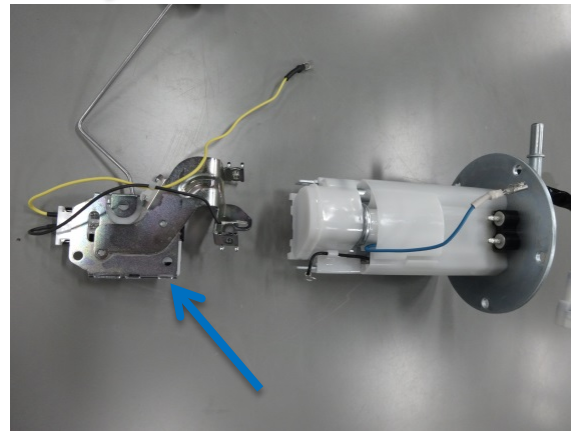
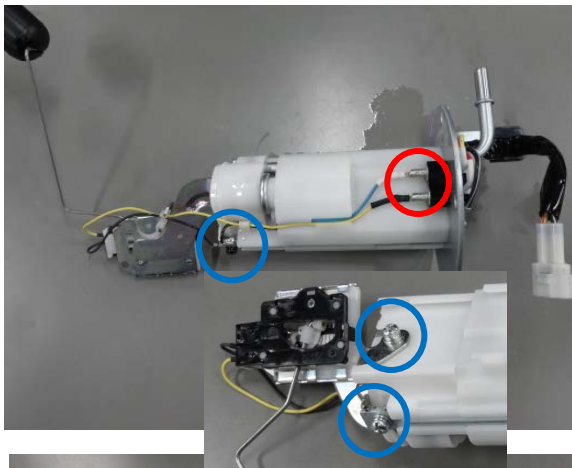
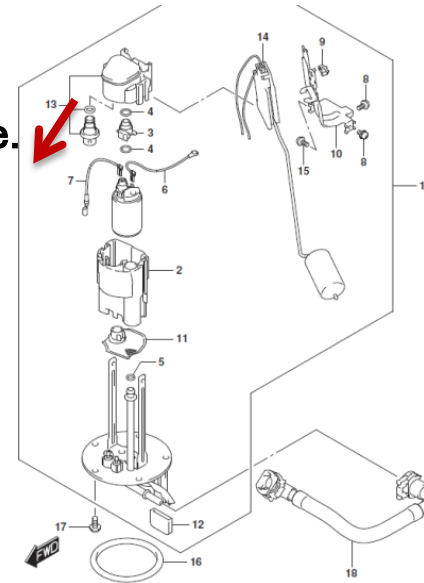
SUPER GREASE A



	Float position	Resistance
"a"	266.6 mm (10.50 in)	9 – 11 Ω
"b"	12.1 mm (0.48 in)	213 – 219 Ω

Fuel Pump Dismantle






1. Remove 2 attachments on Fuel Level Gauge. ○
2. Remove 3 bolts to Fuel Level Gauge, and pull out the level gauge. ○ ↙
3. Pull out main body upper cover. ↘
4. Pull out from fuel pump folder. ↘
5. Pull out the filter on under body, ↘ pull out the motor from upper side. ↘

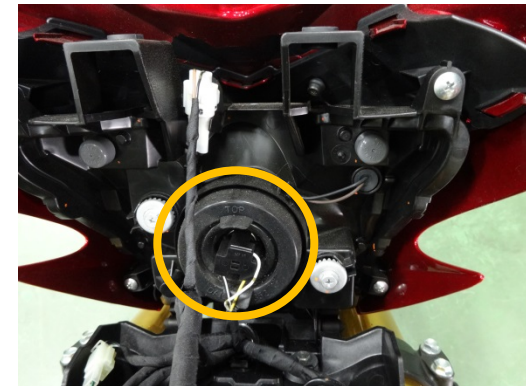
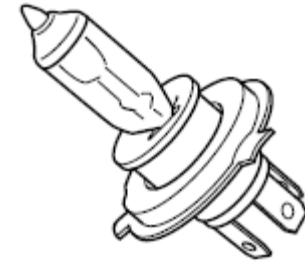


GSX-S1000A Headlight Bulb Replacement



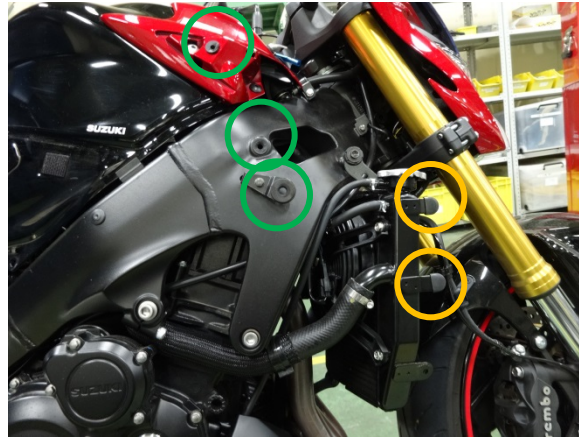
Way of Life!

1. Remove R/L two bolts of **COVER, METER**. 
2. Lift up the **COVER, METER**, remove hooks. 
3. Remove 2 bolts on Headlight cover upper. 
4. Put down Headlight cover to front. 
5. Remove Headlight cover, replace bulb. 



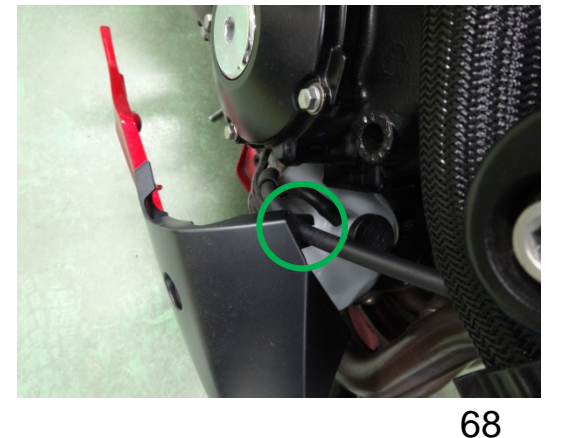
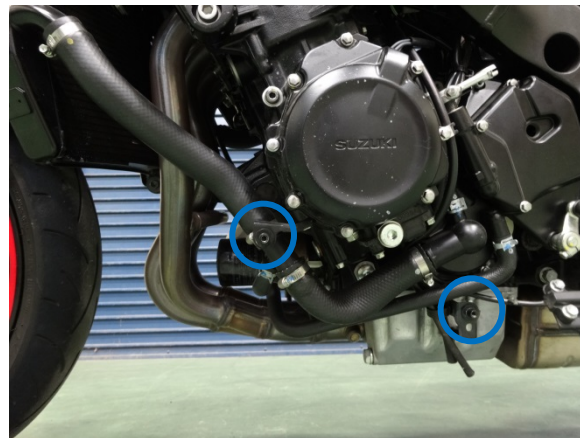
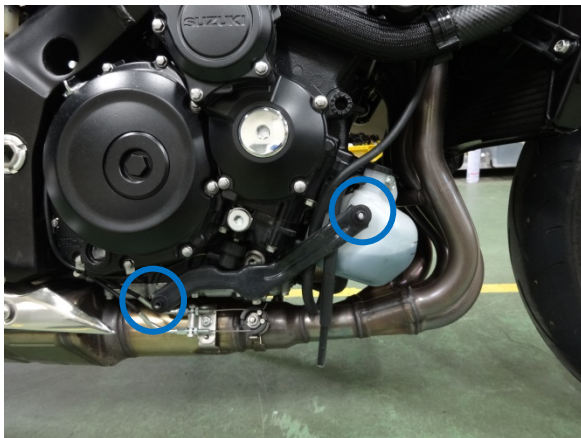
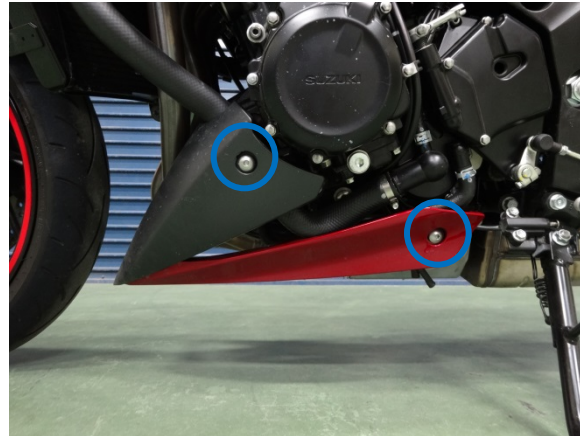
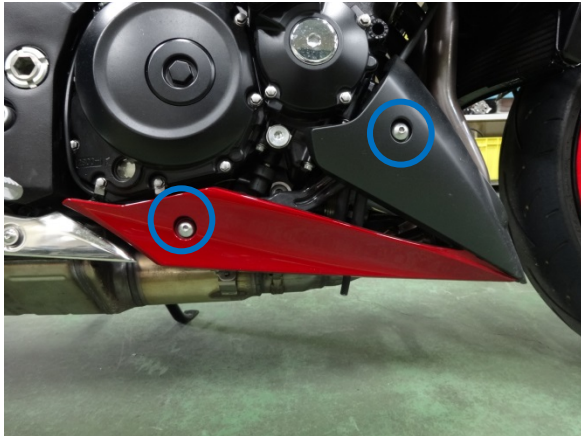
GSX-S1000A Fuel Tank Cover Removal

1. Remove a Fuel tank upper bolt. ○
2. Remove 2 fixing snaps to inside Radiator stay. ○
3. Remove 3 hooks at cover, rear. ○
4. Move the cover to front, release 2 fixing points to radiator. ○






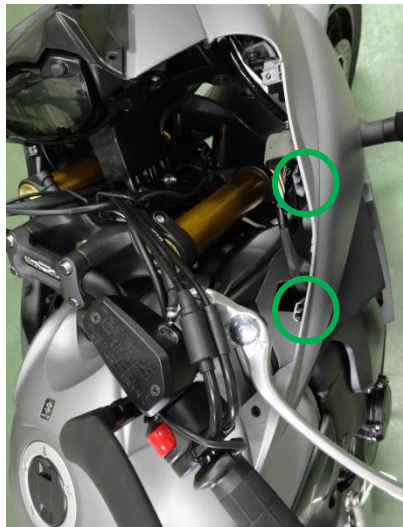
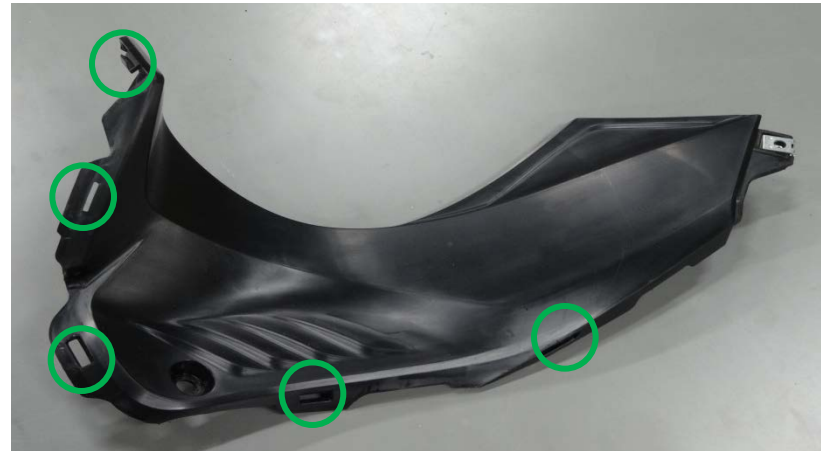
GSX-S1000A Under Cowl Removal

1. Remove a fastener connecting Left and Right. ○
2. Remove 2 bolts (L/R) ○
3. Remove connecting hose between Radiator and Reserver tank. ○



GSX-S1000FA Side Cowl Upper Removal

1. Remove 2 tapping screws, front and rear. 
2. Remove front inner fasteners 
3. Remove 5 clipping points to side cowl, pull out to body inside direction. 









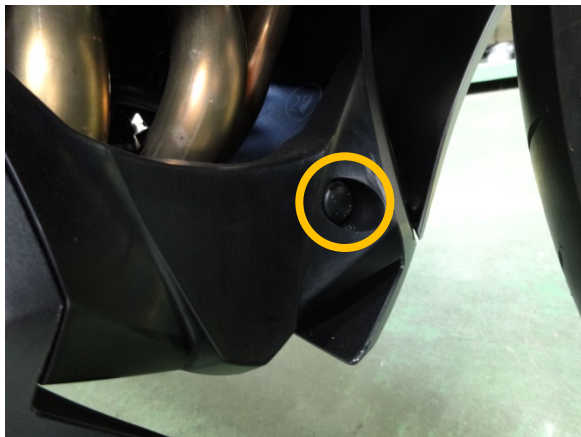
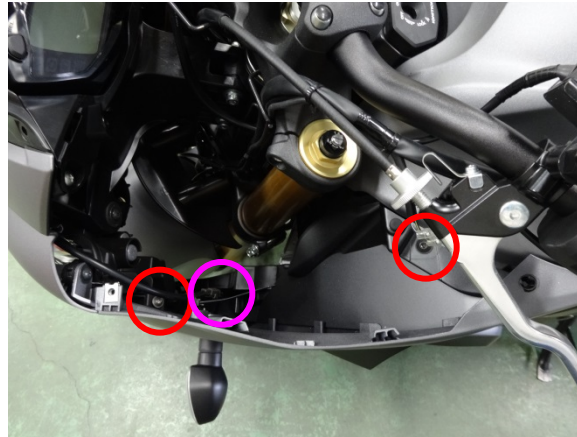
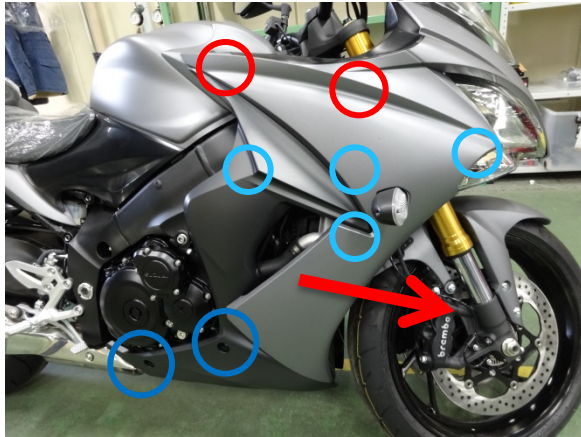
GSX-S1000FA

Side Cowl Upper fitting position



GSX-S1000FA Side Cowl Removal

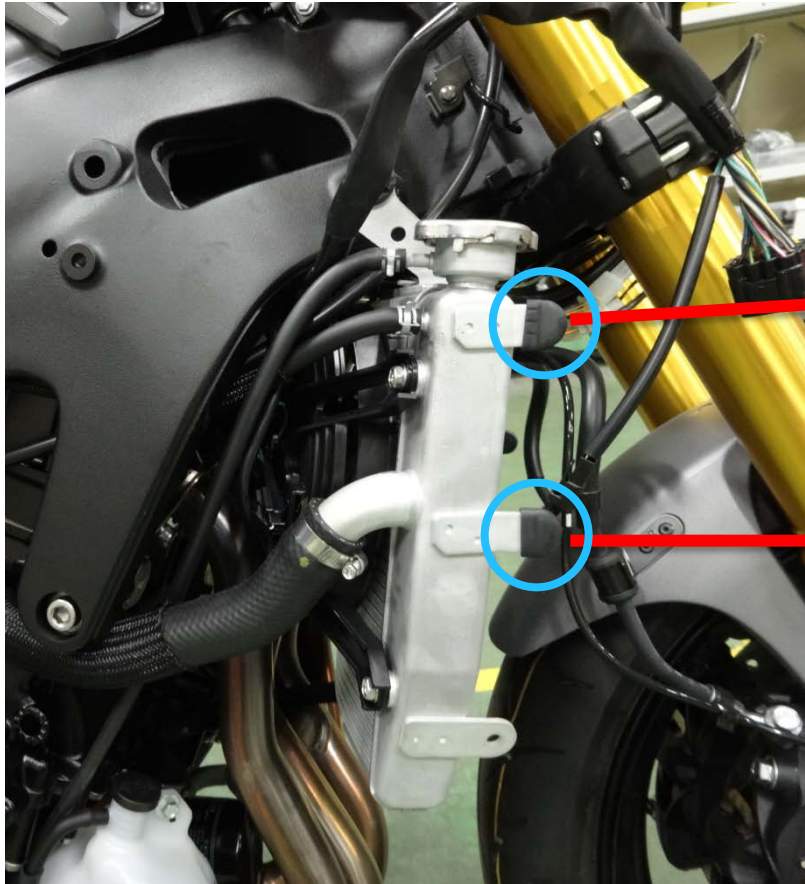
1. Remove cowling upper inner bolts, L/R 2 each. 
2. Remove cowling under bolts, L/R 1 each 
3. Release radiator front side fasteners, L/R 1 each 
4. Release fastener, connecting cowling L/R 
5. Release couplers of harness coupler to Head Light and Turn signal lamps 
6. Release cowling rear hook, hook to radiator and front velcro 



GSX-S1000FA Side Cowling install








Fit in Radiator side projections into cowling inside pockets.

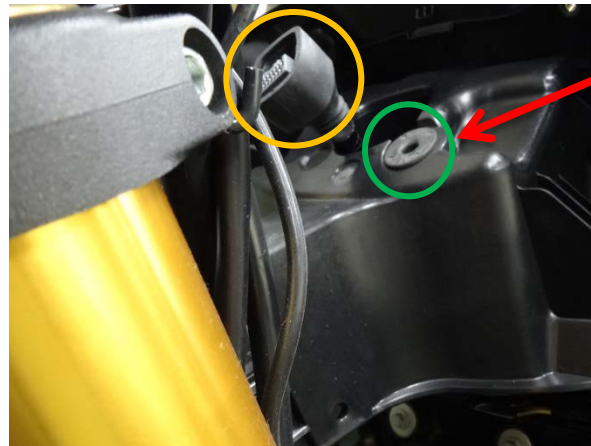


GSX-S1000FA Meter Panel Removal



Way of Life!

1. Remove 2 fasteners on R/L upper.  
2. Remove 2 bolts on R/L under. 
3. Lift up Headlight combination, release center hook, remove the coupler  from harness. 

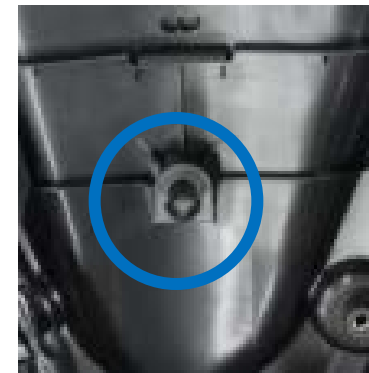
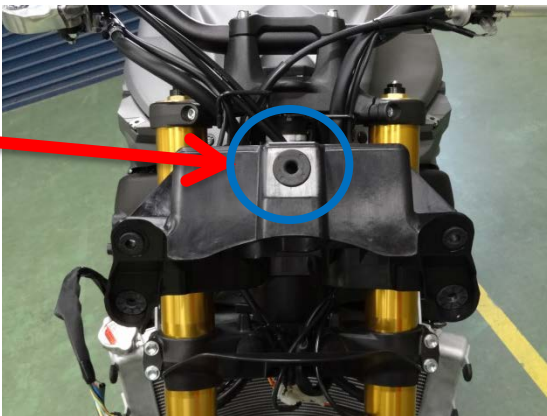
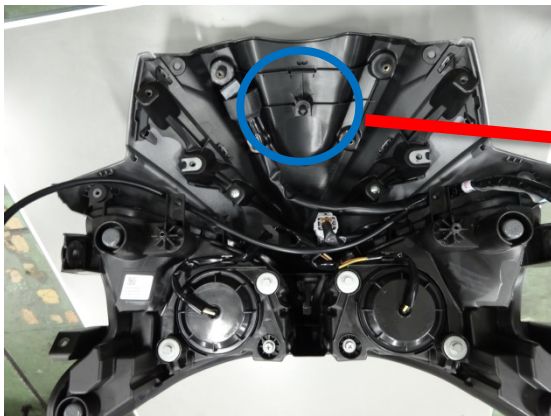
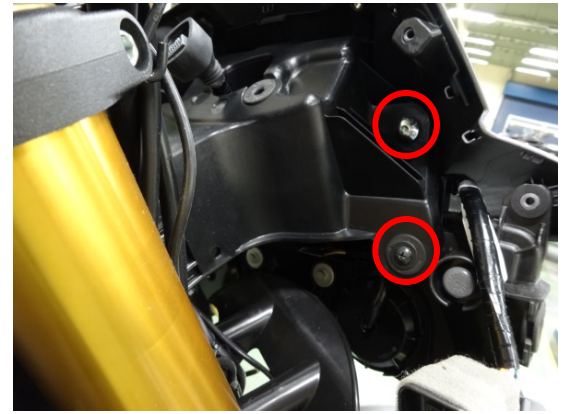
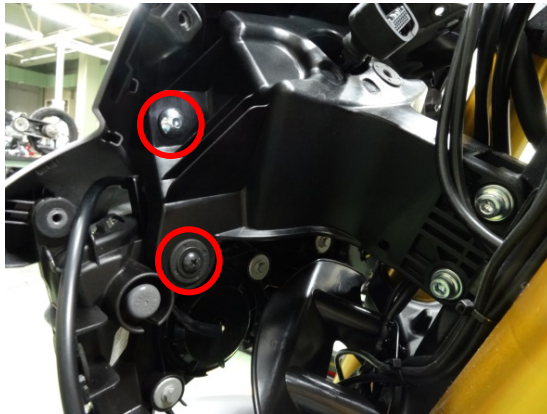


GSX-S1000FA Headlight Combination Removal



Way of Life!





1. Remove 2 bolts, R and L each. ○
2. Lifting up the Headlight combination, remove center hook. ○

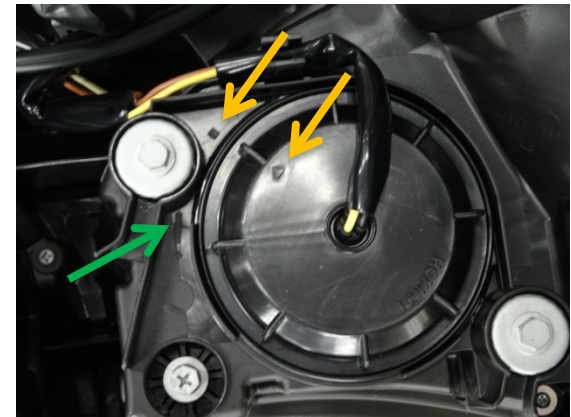
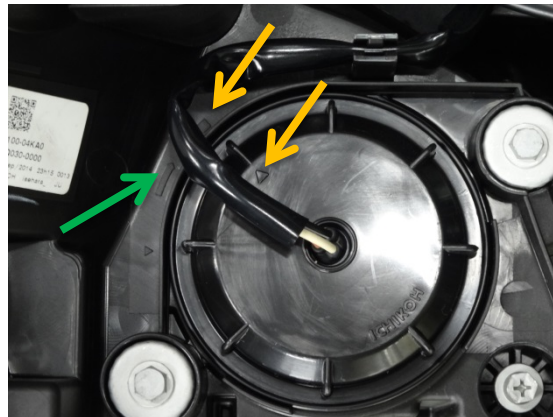
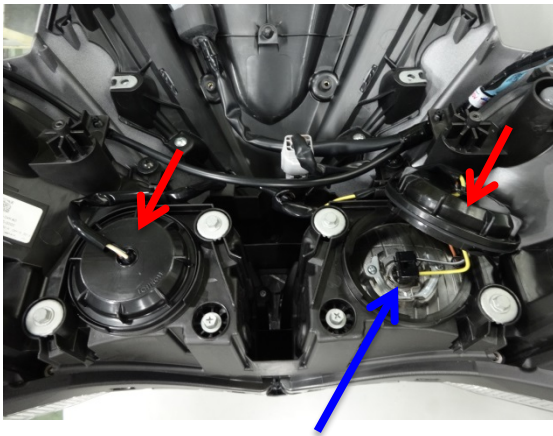
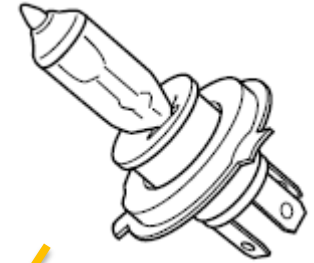


GSX-S1000FA Headlight Bulb Replacement





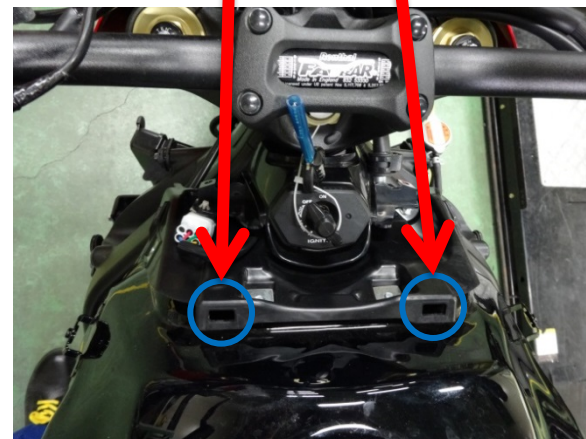
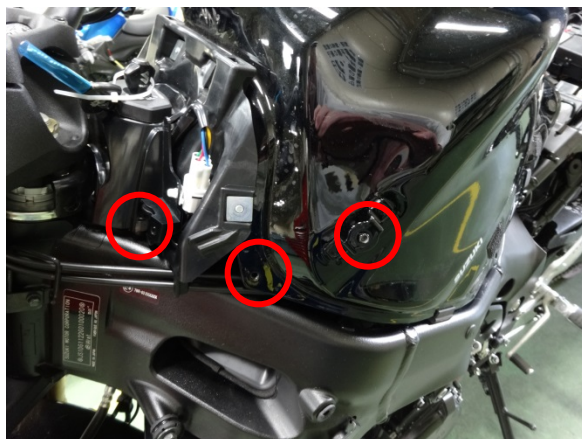
Way of Life!

- Remove Headlight bulb from the Headlight combination. 
1. Turn and remove water sealing bulb, rear the Headlight bulb. 
 2. Replace the Headlight bulb. 
 3. Attach water sealing cap, rotating \rightarrow direction, to the Δ mark. 



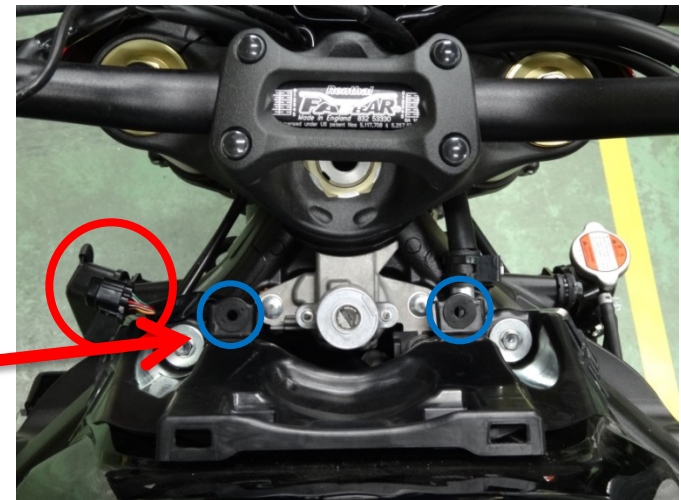
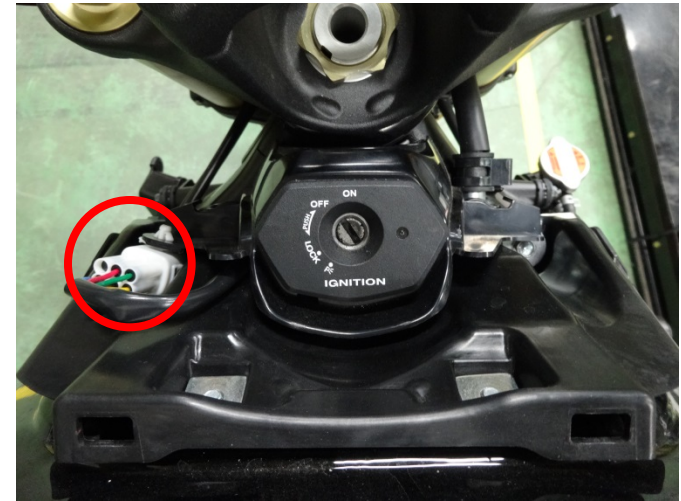
Fuel Tank Front Cover Removal

1. Remove 2 bolts and fasteners, R/L each. 
2. Lifting up the cover, remove 2 clipping points. 



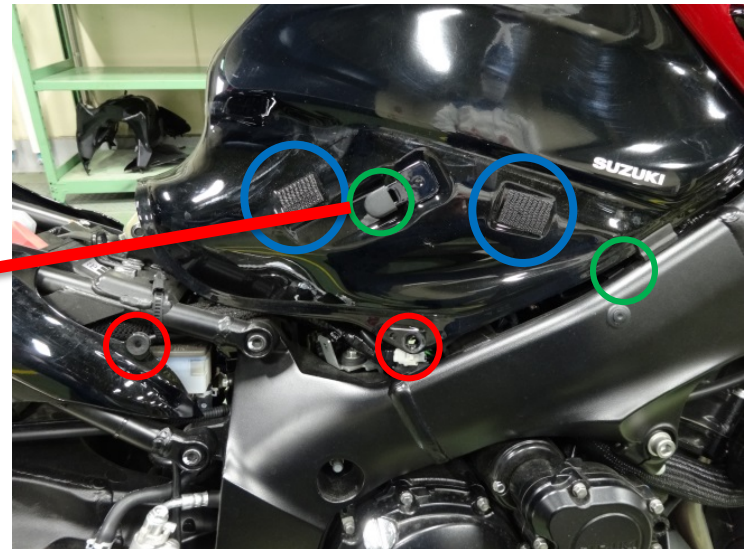
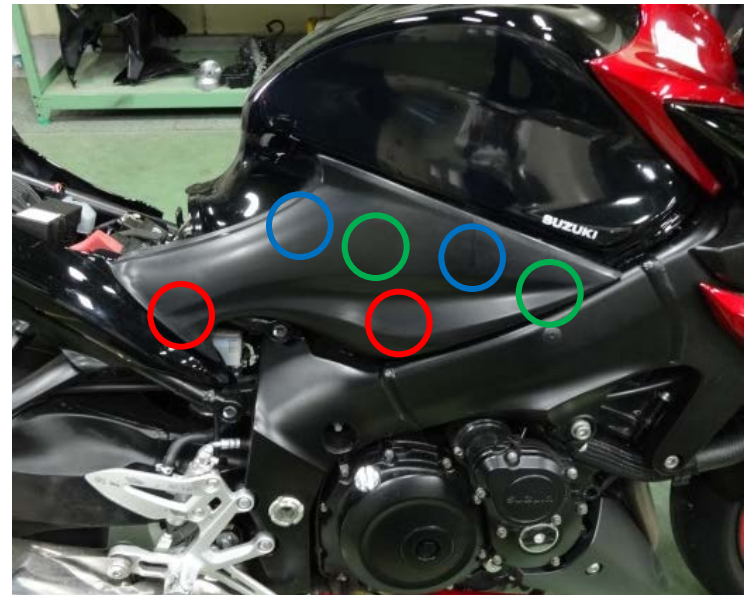
Immobilizer Removal

1. Remove Coupler. ○
2. Release 2 fixing points under the Immobilizer holder, remove to upper side. ○






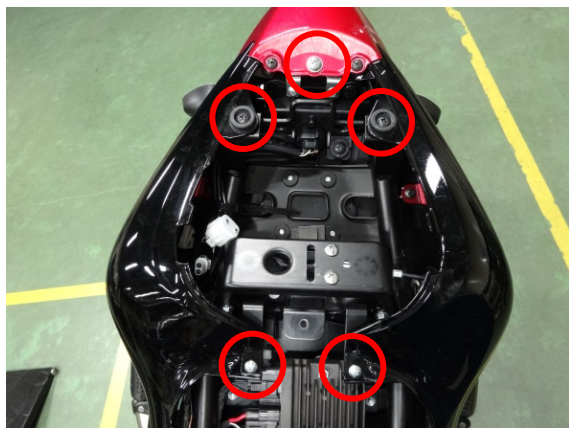
Frame Cover Removal

1. Lift up from the cover under and rear parts, release 2 hooks, ○ lift up upper and front side to release 2 Velcro tapes. ○
2. Move the cover to rear, release 2 hooks and remove the cover. ○



Tail Cowl Removal

1. From upper side, remove 2 bolts R/L, 2 tapping screws and a  bolt, rear, center.
2. Remove 2 tapping screws, R/L each. 
3. Release side clipping points, 4 each for R/L. 



Tale Cowl fitting points



Specifications 1 of 2



Way of Life!

SPEC \ MODEL	GSX-S1000/AL6 GSX-S1000F/FAL6
Overall length	2115mm (83.3in)
Overall width	795mm (31.3in)
Overall height	GSX-S1000/A:1080mm (42.5in) GSX-S1000F/FA:1180mm (46.5in)
Wheelbase	1460mm (57.5in)
Ground clearance	140mm (5.5in)
Seat height	810mm (31.9in)
Curb mass (GSX-S1000)	207kg (456 lbs) <208kg for E33>
Curb mass (GSX-S1000A)	209kg (461 lbs) <210kg for E33>
Curb mass (GSX-S1000F)	212kg (467 lbs) <213kg for E33>
Curb mass (GSX-S1000FA)	214kg (472 lbs) <214kg for E33>
Engine type	4-stroke 4-cylinder liquid-cooled DOHC
bore x stroke	73.4mm x 59.0mm (2.9in x 2.3in)
Displacement	999cm ³ (61.0cu.in)
Compression ratio	12.2:1

Specifications 2 of 2



Way of Life!

Fuel system	fuel injection
Starter system	electric
Lubrication system	wet sump
Transmission	6-speed constant mesh
Primary reduction ratio	1.553 (73/47)
Final reduction ratio	2.588 (44/17)
Suspention front	inverted telescopic, coil spring, oil damped
Suspention rear	link type, coil spring, oil damped
Rake/trail	25°/ 100mm (3.9in)
Brakes front	disc, twin
Brakes rear	disc
Tyres front	120/70ZR17M/C (58W), tubeless
Tyres rear	190/50ZR17M/C (73W), tubeless
Iginition system	electric ignition (transistorized)
Fuel tank	17L (4.5/3.7 US/Imp gal)
Oil capacity	3.4 L (3.6/3.0 US/Imp qt)
Max torque(N·m/rpm)	106N·m/9500rpm
Max power(kW/rpm)	107kw/10000rpm <106kw/9500rpm for E33>

DTC Check Position

- Special tool : mode select switch
- (A): 09930-82720 (Current 6 pin type)



DTC Indication

SDS Software Ver.37



Way of Life!

**Applicable SDS software is Ver. 37
release in January 2015.**

**Part No.: 99565-01010-037
(CD-ROM Ver.37)**

**No new special tool
for GSX-S1000A / FA.**

GSX-S1000A / GSX-S1000FA



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END