

**SUZUKI**

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***GSX1300R***

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**SUPPLEMENTARY SERVICE MANUAL**

USE THIS MANUAL WITH:  
GSX1300R SERVICE MANUAL (99500-39182-03E)



99501-39330-03E

# GSX1300RK2 ('02-MODEL)

## FOREWORD

This manual describes service data, service specifications and servicing procedures which differ from those of the GSX1300RK1 ('01-model).

### NOTE:

- Any differences between the GSX1300RK1 (2001-model) and GSX1300RK2 (2002-model) in specifications and service data are indicated with an asterisk mark (\*).
- Please refer to the service manual for details which are not given in this manual.

## CONTENTS

<b>SPECIFICATIONS</b> .....	<b>2</b>
<b>ENGINE</b> .....	<b>3</b>
<b>CLUTCH</b> .....	<b>3</b>
<b>THROTTLE BODY</b> .....	<b>4</b>
<b>THROTTLE VALVE SYNCHRONIZATION</b> .....	<b>4</b>
<b>TPS</b> .....	<b>4</b>
<b>CHASSIS</b> .....	<b>5</b>
<b>FRONT AXLE</b> .....	<b>5</b>
<b>SERVICING INFORMATION</b> .....	<b>6</b>
<b>WIRE HARNESS ROUTING</b> .....	<b>6</b>
<b>FUEL TANK DRAIN HOSE AND BREATHER HOSE ROUTING</b> .....	<b>8</b>
<b>SERVICE DATA</b> .....	<b>9</b>

**SUZUKI MOTOR CORPORATION**

Overseas Service Department

# SPECIFICATIONS

## DIMENSIONS AND DRY MASS

Overall length.....	2 140 mm (84.3 in)
Overall width.....	740 mm (29.1 in)
Overall height.....	1 155 mm (45.5 in)
Wheelbase.....	1 485 mm (58.5 in)
Ground clearance.....	120 mm (4.7 in)
Seat height.....	805 mm (31.7 in)
Dry mass.....	218 kg (480 lbs) ..... E-33
	217 kg (478 lbs) ..... Others

## ENGINE

Type.....	4-stroke, Liquid-cooled, DOHC
Number of cylinders.....	4
Bore.....	81.0 mm (3.189 in)
Stroke.....	63.0 mm (2.480 in)
Displacement.....	1 299 cm <sup>3</sup> (79.3 cu. in)
Compression ratio.....	11.0 : 1
Fuel system.....	Fuel injection system
Air cleaner.....	Non-woven fabric element
Starter system.....	Electric
Lubrication system.....	Wet sump
Idle speed.....	1 150 ± 100 r/min

## DRIVE TRAIN

Clutch.....	Wet multi-plate type
Transmission.....	6-speed constant mesh
Gearshift pattern.....	1-down, 5-up
Primary reduction ratio.....	1.596 (83/52)
Secondary reduction ratio.....	2.352 (40/17)
Gear ratios, Low.....	2.615 (34/13)
2nd.....	1.937 (31/16)
3rd.....	1.526 (29/19)
4th.....	1.285 (27/21)
5th.....	1.136 (25/22)
Top.....	1.043 (24/23)
Drive chain.....	RK GB50GSV Z3, 112 links

## CHASSIS

Front suspension.....	Inverted telescopic, coil spring, oil damped
Rear suspension.....	Link type, coil spring, oil damped
Front suspension stroke.....	120 mm (4.7 in)
Rear wheel travel.....	140 mm (5.5 in)
Caster.....	24° 12'
Trail.....	97 mm (3.8 in)
Steering angle.....	30° (right & left)
Turning radius.....	3.3 m (10.8 ft)
Front brake.....	Disc brake, twin
Rear brake.....	Disc brake
Front tire size.....	120/70 ZR17 M/C (58W), tubeless
Rear tire size.....	190/50 ZR17 M/C (73W), tubeless

## ELECTRICAL

Ignition type.....	Electronic ignition (Transistorized)
Ignition timing.....	4° B.T.D.C. at 1 200 r/min ..... E-03, 28, 33
	11° B.T.D.C. at 1 150 r/min (1and4 cylinder) ..... Others
	3° B.T.D.C. at 1 150 r/min (2and3 cylinder) ..... Others

## Spark plug

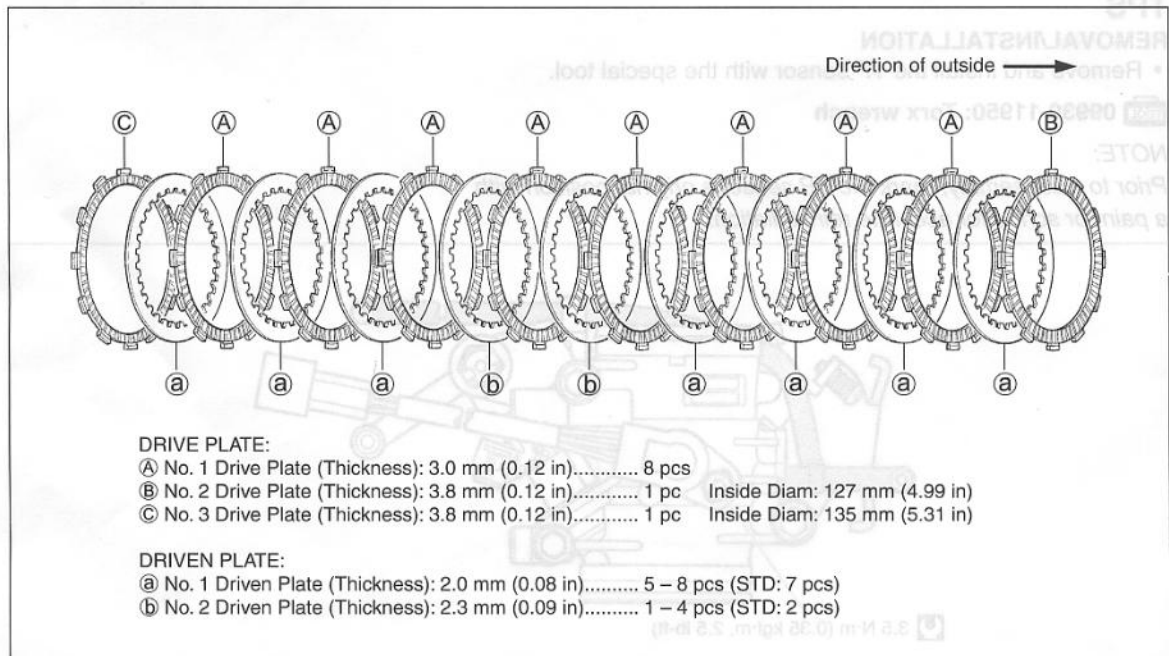
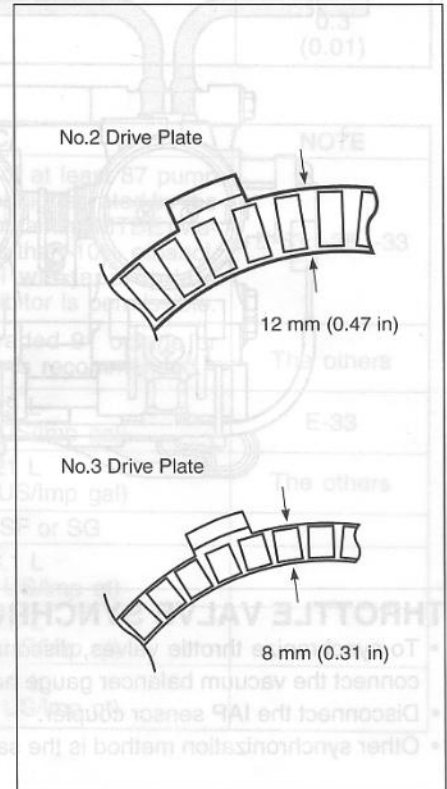
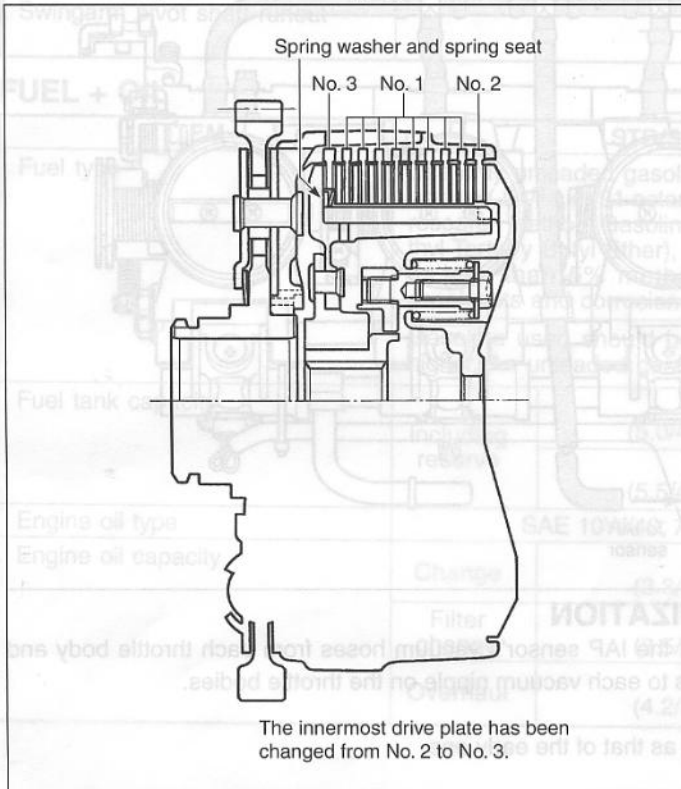
Battery.....	NGK CR9E
Generator.....	DENSO U27ESR-N
Main fuse.....	12V 36 kC (10Ah)/10 HR
Fuse.....	Three-phase A.C. generator
Headlight.....	30A
	15/15/15/15/10/10A
Position/Parking light.....	12V 65W (HB3) .....High beam
Brake light/Tail light.....	12V 55W (H7) .....Low beam
License plate light.....	12V 5W ..... Except E-03, 24, 28, 33
Turn signal light.....	12V 21/5W x 2
Speedometer light.....	12V 5W
Tachometer light.....	12V 21W x 4
Coolant temperature warning light.....	LED
Fuel level warning light.....	LED
Turn signal indicator light.....	LED
Neutral indicator light.....	LED
High beam indicator light.....	LED
Oil pressure indicator light.....	LED

## CAPACITIES

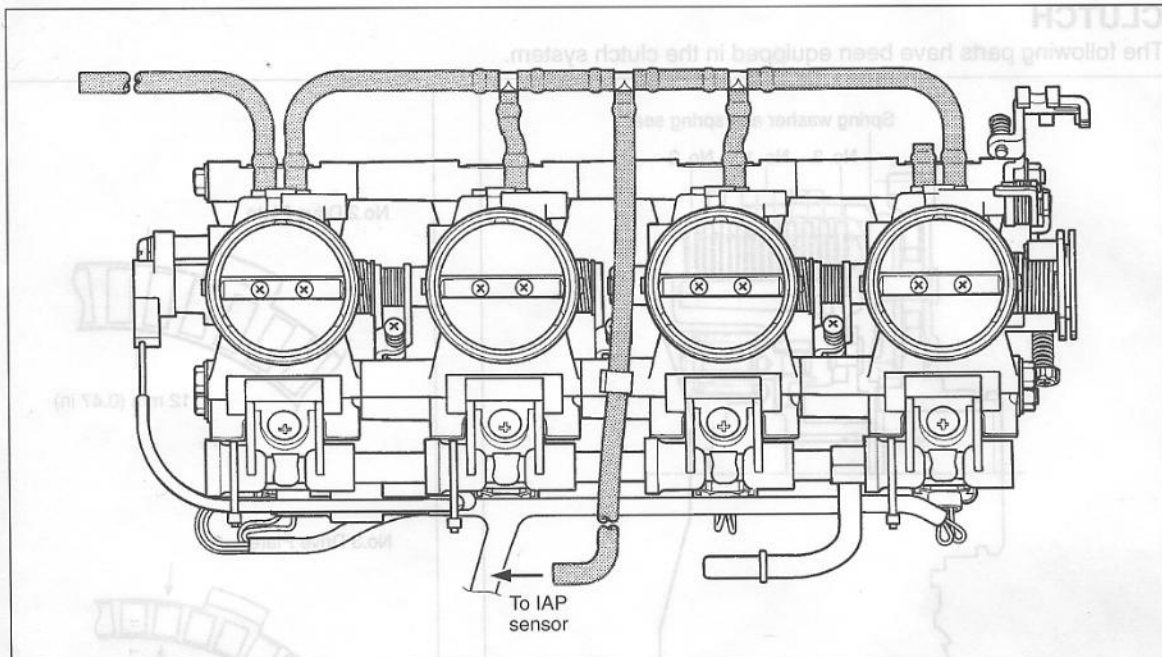
Fuel tank.....	19 L (5.0/4.2 US/Imp gal) ..... E-33
	21 L (5.5/4.6 US/Imp gal) ..... Others
Engine oil, oil change.....	3 100 ml (3.3/2.7 US/Imp qt)
with filter change.....	3 300 ml (3.5/2.9 US/Imp qt)
overhaul.....	4 000 ml (4.2/3.5 US/Imp qt)
Front fork oil (each leg).....	480 ml (16.2/16.9 US/Imp oz)
Coolant.....	2 950 ml (3.1/2.6 US/Imp qt)

# ENGINE CLUTCH

The following parts have been equipped in the clutch system.



## THROTTLE BODY



## THROTTLE VALVE SYNCHRONIZATION

- To synchronize throttle valves, disconnect the IAP sensor's vacuum hoses from each throttle body and connect the vacuum balancer gauge hoses to each vacuum nipple on the throttle bodies.
- Disconnect the IAP sensor coupler.
- Other synchronization method is the same as that of the early one.

## TPS

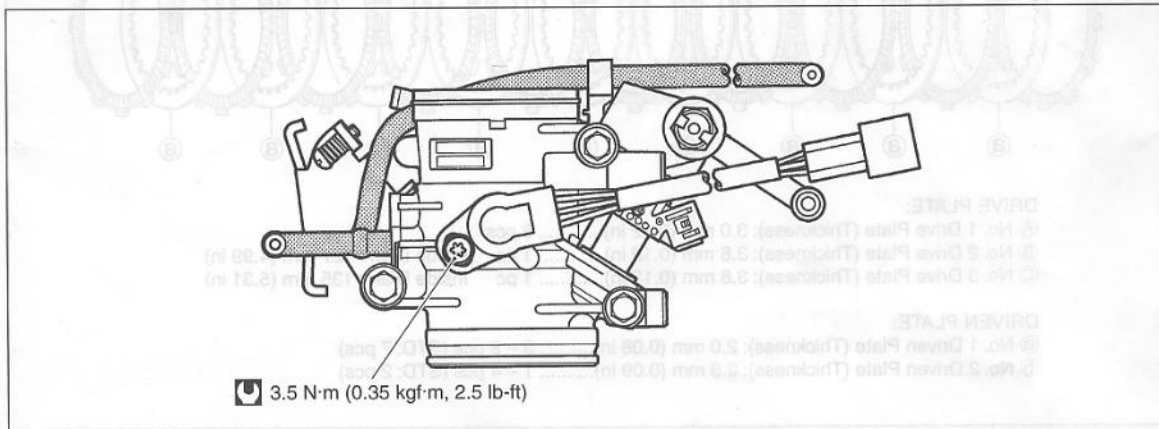
### REMOVAL/INSTALLATION

- Remove and install the TP sensor with the special tool.

**TOOL** 09930-11950: Torx wrench

#### NOTE:


Prior to disassembly, mark the TP sensor's original position with a paint or scribe for accurate reinstallation.




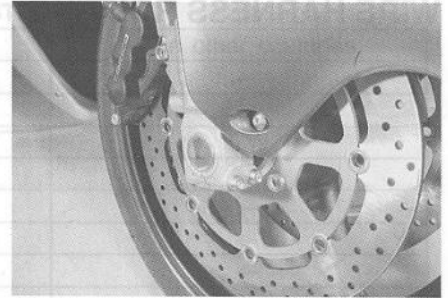
# CHASSIS

## FRONT AXLE

When loosening and tightening the front axle, use the special tool.

 **09900-18740: Hexagon wrench 24 mm**

 **Front axle: 100 N·m (10.0 kgf·m, 72.5 lb-ft)**



## BRAKE + WHEEL

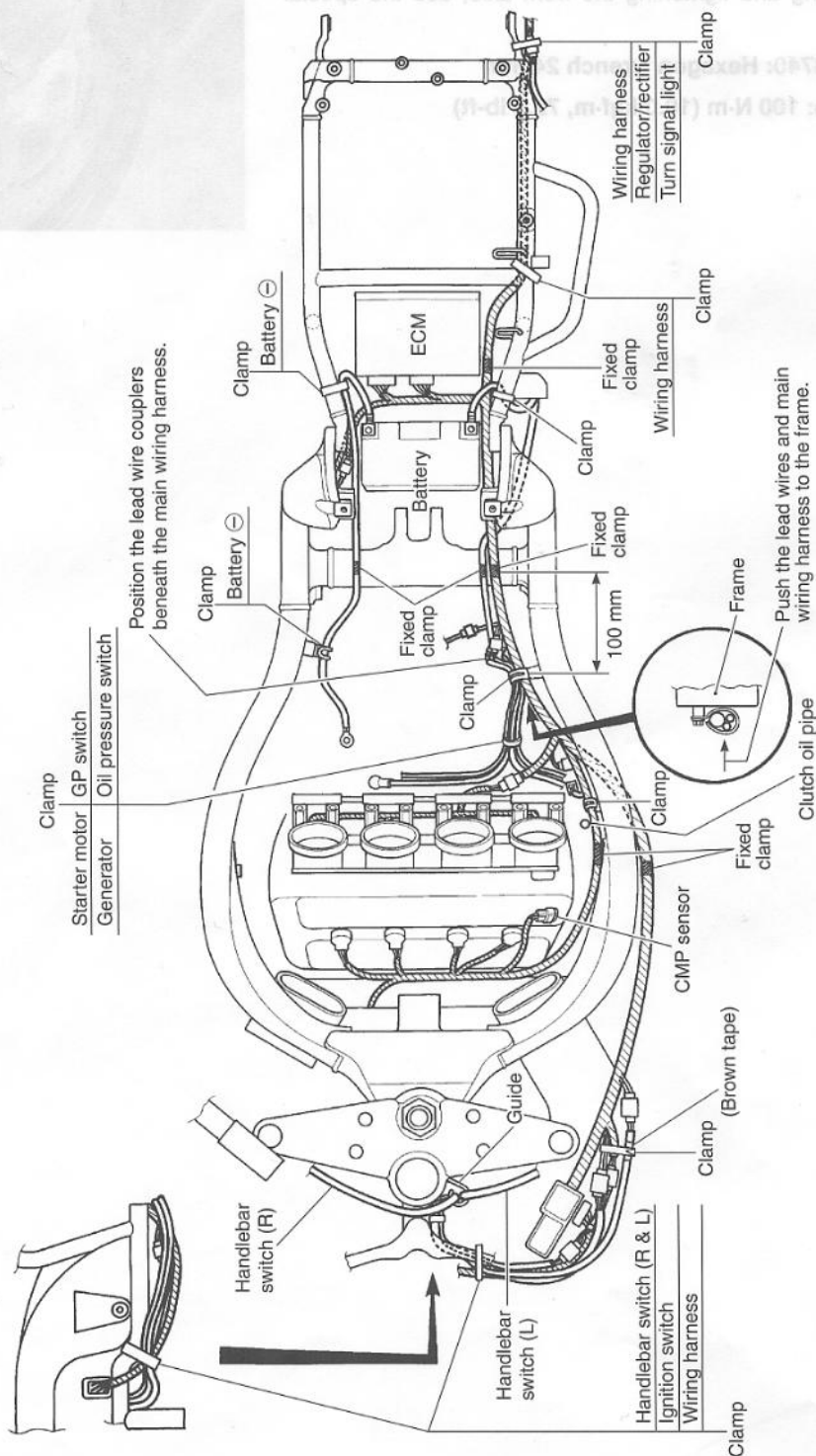
Unit: mm (in)

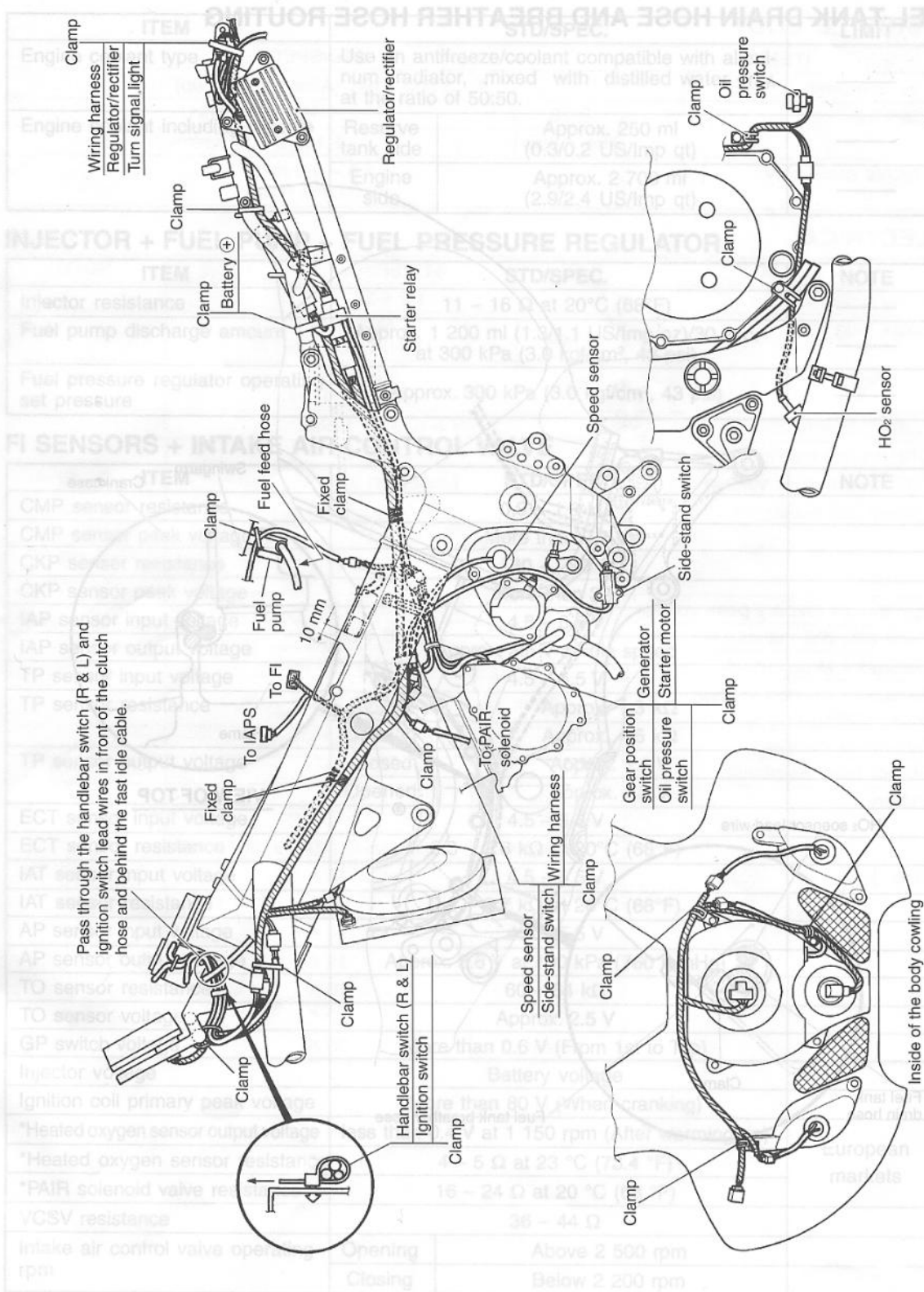
LIMIT

Rear brake pedal height	100 mm		
Brake disc thickness	5.2 (0.205)	4.5 (0.177)	
Brake disc runout	0.30 (0.012)		
Master cylinder bore	15.870 - 15.913 (0.6248 - 0.6265)		
Master cylinder piston diam.	12.700 - 12.743 (0.5000 - 0.5017)		
Brake caliper cylinder bore	24.030 - 24.076 (0.9448 - 0.9479)		
Brake caliper piston diam.	26.920 - 26.970 (1.0598 - 1.0619)		
Brake fluid type	DOT 4		

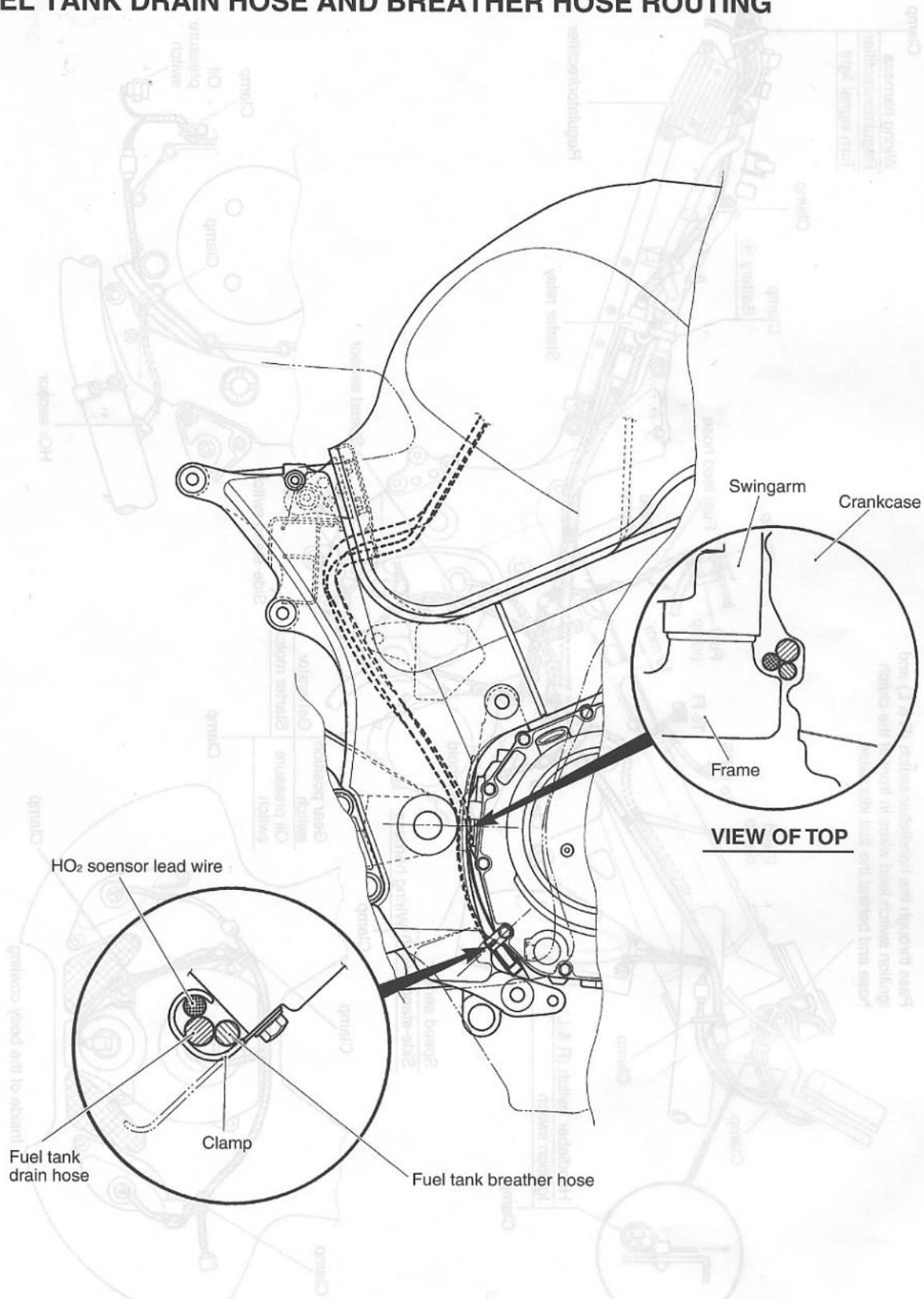
# SERVICING INFORMATION

## WIRE HARNESS ROUTING





# FUEL TANK DRAIN HOSE AND BREATHER HOSE ROUTING



**SERVICE DATA****VALVE + GUIDE**

Unit: mm (in)

ITEM	STD/SPEC.		LIMIT
Valve diam.	IN.	33 (1.30)	—
	EX.	27.5 (1.08)	—
Valve clearance (when cold)	IN.	0.10 – 0.20 (0.004 – 0.008)	—
	EX.	0.20 – 0.30 (0.008 – 0.012)	—
Valve guide to valve stem clearance	IN.	0.010 – 0.037 (0.0004 – 0.0015)	—
	EX.	0.030 – 0.057 (0.0012 – 0.0022)	—
Valve guide I.D.	IN. & EX.	5.000 – 5.012 (0.1969 – 0.1973)	—
Valve stem O.D.	IN.	4.975 – 4.990 (0.1959 – 0.1965)	—
	EX.	4.955 – 4.970 (0.1951 – 0.1957)	—
Valve stem deflection	IN. & EX.	—	0.35 (0.014)
Valve stem runout	IN. & EX.	—	0.05 (0.002)
Valve head thickness	IN. & EX.	—	0.5 (0.02)
Valve seat width	IN. & EX.	0.9 – 1.1 (0.035 – 0.043)	—
Valve head radial runout	IN. & EX.	—	0.03 (0.001)
Valve spring free length (IN. & EX.)	INNER	—	35.1 (1.38)
	OUTER	—	45.2 (1.77)
Valve spring tension (IN. & EX.)	INNER	3.1 – 3.5 kgf (6.83 – 7.72 lbs) at length 33.1 mm (1.30 in)	—
	OUTER	15.5 – 17.9 kgf (34.17 – 39.46 lbs) at length 36.6 mm (1.44 in)	—

**CAMSHAFT + CYLINDER HEAD**

Unit: mm (in)

ITEM	STD/SPEC.		LIMIT
Cam height	IN.	36.780 – 36.848 (1.4480 – 1.4506)	36.48 (1.436)
	EX.	35.480 – 35.548 (1.3968 – 1.3995)	35.18 (1.385)
Camshaft journal oil clearance	IN. & EX.	0.032 – 0.066 (0.0013 – 0.0026)	0.150 (0.0059)
Camshaft journal holder I.D.	IN. & EX.	24.012 – 24.025 (0.9454 – 0.9459)	—

ITEM	STD/SPEC.		LIMIT
Camshaft journal O.D.	IN. & EX.	23.959 – 23.980 (0.9433 – 0.9441)	—
Camshaft runout		—	0.10 (0.004)
Cam chain pin (at arrow "3")		15th pin	—
Cylinder head distortion		—	0.20 (0.008)

**CYLINDER + PISTON + PISTON RING**

Unit: mm (in)

ITEM	STD/SPEC.		LIMIT
Compression pressure	1 200 – 1 600 kPa (12 – 16 kgf/cm <sup>2</sup> ) (171 – 228 psi)		900 kPa (9 kgf/cm <sup>2</sup> ) (128 psi)
Compression pressure difference	—		200 kPa (2 kgf/cm <sup>2</sup> ) (28 psi)
Piston to cylinder clearance	0.020 – 0.030 (0.0008 – 0.0012)		0.120 (0.0047)
Cylinder bore	81.000 – 81.015 (3.1890 – 3.1896)		Nicks or scratches
Piston diam.	80.975 – 80.990 (3.1880 – 3.1886) Measure at 15 mm (0.6 in) from the skirt end.		80.880 (3.1842)
Cylinder distortion	—		0.20 (0.008)
Piston ring free end gap	1st	R Approx. 7.3 (0.29)	5.8 (0.23)
	2nd	RN Approx. 11.4 (0.45)	9.1 (0.36)
Piston ring end gap	1st	R 0.08 – 0.20 (0.003 – 0.008)	0.50 (0.020)
	2nd	RN 0.08 – 0.20 (0.003 – 0.008)	0.50 (0.020)
Piston ring to groove clearance	1st	—	0.180 (0.0071)
	2nd	—	0.150 (0.0059)
Piston ring groove width	1st	1.21 – 1.23 (0.0476 – 0.0484)	—
	2nd	1.01 – 1.03 (0.0398 – 0.0406)	—
	Oil	2.01 – 2.03 (0.0791 – 0.0799)	—
Piston ring thickness	1st	1.17 – 1.19 (0.0461 – 0.0469)	—
	2nd	0.97 – 0.99 (0.0382 – 0.0390)	—
Piston pin bore	20.002 – 20.008 (0.7875 – 0.7877)		20.030 (0.7886)
Piston pin O.D.	19.995 – 20.000 (0.7872 – 0.7874)		19.980 (0.7866)

**CONROD + CRANKSHAFT**

Unit: mm (in)

ITEM	STD/SPEC.	LIMIT
Conrod small end I.D.	20.010 - 20.018 (0.7878 - 0.7881)	20.040 (0.7890)
Conrod big end side clearance	0.10 - 0.20 (0.004 - 0.008)	0.30 (0.012)
Conrod big end width	20.95 - 21.00 (0.825 - 0.827)	—
Crank pin width	21.10 - 21.15 (0.831 - 0.833)	—
Conrod big end oil clearance	0.032 - 0.056 (0.0013 - 0.0022)	0.080 (0.0031)
Crank pin O.D.	37.976 - 38.000 (1.4951 - 1.4960)	—
Crankshaft journal oil clearance	0.016 - 0.040 (0.0006 - 0.0016)	0.080 (0.0031)
Crankshaft journal O.D.	39.976 - 40.000 (1.5739 - 1.5748)	—
Crankshaft thrust bearing thickness	Right side	2.425 - 2.450 (0.0955 - 0.0965)
	Left side	2.350 - 2.500 (0.0925 - 0.0984)
Crankshaft thrust clearance	0.055 - 0.110 (0.0022 - 0.0043)	—
Crankshaft runout	—	0.05 (0.002)

**OIL PUMP**

ITEM	STD/SPEC.	LIMIT
Oil pressure (at 60°C, 140°F)	Above 200 kPa (2.0 kgf/cm <sup>2</sup> , 43 psi) Below 500 kPa (5.0 kgf/cm <sup>2</sup> , 71 psi) at 3 000 r/min.	—

**CLUTCH**

Unit: mm (in)

ITEM	STD/SPEC.	LIMIT
Drive plate thickness	No. 1	2.92 - 3.08 (0.115 - 0.121)
	No. 2	3.72 - 3.88 (0.146 - 0.153)
Drive plate claw width	No. 1	13.85 - 13.96 (0.542 - 0.550)
	No. 2	13.90 - 14.00 (0.547 - 0.551)
Driven plate distortion	—	0.10 (0.004)
Clutch spring free height	28.96 (1.140)	27.6 (1.09)
Clutch master cylinder bore	14.000 - 14.043 (0.5512 - 0.5529)	—
Clutch master cylinder piston diam.	13.957 - 13.984 (0.5495 - 0.5506)	—

ITEM	STD/SPEC.	LIMIT
Clutch release cylinder bore	* 35.700 – 35.762 (1.4055 – 1.4079)	—
Clutch release cylinder piston diam.	* 35.650 – 35.675 (1.4035 – 1.4045)	—
Clutch fluid type	Brake fluid (DOT 4)	—

**DRIVE TRAIN**

Unit: mm (in) Except ratio

ITEM	STD/SPEC.	LIMIT
Primary reduction ratio	1.596 (83/52)	—
Final reduction ratio	2.352 (40/17)	—
Gear ratios	Low	2.615 (34/13)
	2nd	1.937 (31/16)
	3rd	1.526 (29/19)
	4th	1.285 (27/21)
	5th	1.136 (25/22)
	Top	1.043 (24/23)
Shift fork to groove clearance	0.10 – 0.30 (0.004 – 0.012)	0.50 (0.020)
Shift fork groove width	5.0 – 5.1 (0.197 – 0.201)	—
Shift fork thickness	4.8 – 4.9 (0.189 – 0.193)	—
Drive chain	Type	RK GB50GSV Z3
	Links	112 links
	20-pitch length	— 319.4 (12.57)
Drive chain slack (on side-stand)	20 – 30 (0.79 – 1.18)	—
Gearshift lever height	50 – 60 (1.97 – 2.36)	—

**THERMOSTAT + RADIATOR + FAN + COOLANT**

ITEM	STD/SPEC.	LIMIT
Thermostat valve opening temperature	Approx. 82°C (179.6°F)	—
Thermostat valve lift	Over 8 mm (0.31 in) at 95°C (203°F)	—
Engine coolant temperature sensor resistance	20°C (68°F)	Approx. 2.45 kΩ
	50°C (122°F)	Approx. 0.811 kΩ
	80°C (176°F)	Approx. 0.318 kΩ
	110°C (230°F)	Approx. 0.142 kΩ
	130°C (226°F)	Approx. 0.088 kΩ
Radiator cap valve opening pressure	95 – 125 kPa (0.95 – 1.25 kgf/cm <sup>2</sup> , 13.5 – 17.8 psi)	—
Cooling fan thermo-switch operating temperature	OFF → ON	Approx. 105°C (221°F)
	ON → OFF	Approx. 100°C (212°F)

ITEM	STD/SPEC.		LIMIT
Engine coolant type	Use an antifreeze/coolant compatible with aluminum radiator, mixed with distilled water only, at the ratio of 50:50.		—
Engine coolant including reserve	Reserve tank side	Approx. 250 ml (0.3/0.2 US/Imp qt)	—
	Engine side	Approx. 2 700 ml (2.9/2.4 US/Imp qt)	—

## INJECTOR + FUEL PUMP + FUEL PRESSURE REGULATOR

ITEM	STD/SPEC.	NOTE
Injector resistance	11 – 16 $\Omega$ at 20°C (68°F)	—
Fuel pump discharge amount	Approx. 1 200 ml (1.3/1.1 US/Imp oz)/30 sec. at 300 kPa (3.0 kgf/cm <sup>2</sup> , 43 psi)	—
Fuel pressure regulator operating set pressure	Approx. 300 kPa (3.0 kgf/cm <sup>2</sup> , 43 psi)	—

## FI SENSORS + INTAKE AIR CONTROL VALVE

ITEM	STD/SPEC.		NOTE
CMP sensor resistance	0.9 – 1.3 k $\Omega$		
CMP sensor peak voltage	More than 0.7 V		
CKP sensor resistance	180 – 280 $\Omega$		
CKP sensor peak voltage	More than 3 V		
IAP sensor input voltage	4.5 – 5.5 V		
IAP sensor output voltage	Approx. 2.5 V at idle speed		
TP sensor input voltage	4.5 – 5.5 V		
TP sensor resistance	Closed	Approx. 1.3 k $\Omega$	
	Opened	Approx. 4.5 k $\Omega$	
TP sensor output voltage	Closed	Approx. 1.1 V	
	Opened	Approx. 4.3 V	
ECT sensor input voltage	4.5 – 5.5 V		
ECT sensor resistance	2.3 – 2.6 k $\Omega$ at 20°C (68°F)		
IAT sensor input voltage	4.5 – 5.5 V		
IAT sensor resistance	2.2 – 2.7 k $\Omega$ at 20°C (68°F)		
AP sensor input voltage	4.5 – 5.5 V		
AP sensor output voltage	Approx. 3.6 V at 100 kPa (760 mmHg)		
TO sensor resistance	60 – 64 k $\Omega$		
TO sensor voltage	Approx. 2.5 V		
GP switch voltage	More than 0.6 V (From 1st to Top)		
Injector voltage	Battery voltage		
Ignition coil primary peak voltage	More than 80 V (When cranking)		
*Heated oxygen sensor output voltage	less than 0.4 V at 1 150 rpm (After warming up)		European markets
*Heated oxygen sensor resistance	4 – 5 $\Omega$ at 23 °C (73.4 °F)		
*PAIR solenoid valve resistance	16 – 24 $\Omega$ at 20 °C (68 °F)		
VCSV resistance	36 – 44 $\Omega$		
Intake air control valve operating rpm	Opening	Above 2 500 rpm	
	Closing	Below 2 200 rpm	

## THROTTLE BODY

ITEM	STD/SPEC.
Fast idle r/min.	3 500 r/min. (After warming up)
Idle r/min.	E-18 1 150 ± 50 r/min.
	The others 1 150 ± 100 r/min.
Throttle cable play	2.0 – 4.0 mm (0.08 – 0.16 in)

## ELECTRICAL

Unit: mm (in)

ITEM	STD/SPEC.	NOTE
Firing order	1-2-4-3	
Spark plug	Type	NGK: CR9E DENSO: U27ESR-N
	Gap	0.7 – 0.8 (0.028 – 0.031)
Spark performance	Over 8 (0.3) at 1 atm.	
CKP sensor resistance	180 – 280 Ω	
CKP sensor peak voltage	More than 3 V	G – BI
Ignition coil resistance	Primary	* 1.0 – 1.6 Ω
	Secondary	* 10 – 16.5 kΩ
Ignition coil primary peak voltage	More than 80 V	Terminal – Terminal
Generator coil resistance	0.2 – 0.4 Ω	Plug cap – Terminal
Generator Max. output	Approx. 400 W at 5 000 r/min.	
Generator no-load voltage (when cold)	More than 65 V (AC) at 5 000 r/min.	
Regulated voltage	13.5 – 15.0 V at 5 000 r/min.	
Starter relay resistance	3 – 5 Ω	
Battery	Type designation	YT12A-BS
	Capacity	12V 36kC (10Ah)/10HR
Fuse size	Headlight (HI)	15 A
	(LO)	15 A
	Signal	15 A
	Ignition	15 A
	Fuel	10 A
	Fan	10 A
	Main	30 A

**WATTAGE**

ITEM		STD/SPEC.	
		E-03, -24, -28, -33	The other countries
Headlight	HI	65 + 55 W	←
	LO	55 W	←
Parking or position light			5 W
Brake light / Taillight		21/5 W × 2	←
Turn signal light		21 W × 4	←
License light		5 W	←
Tachometer light		LED	←
Speedometer light		LED	←
Fuel meter light		LED	←
Engine coolant temp. meter light		LED	←
Turn signal indicator light		LED	←
High beam indicator light		LED	←
Neutral indicator light		LED	←
Oil pressure indicator light		LED	←
FI indicator light		LED	←
Fuel level indicator light		LED	←
Engine coolant temp. indicator light		LED	←

**BRAKE + WHEEL**

Unit: mm (in)

ITEM	STD/SPEC.		LIMIT	
Rear brake pedal height	55 – 65 (2.2 – 2.6)		—	
Brake disc thickness	Front	4.8 – 5.2 (0.189 – 0.205)	4.5 (0.177)	
	Rear	4.8 – 5.2 (0.189 – 0.205)	4.5 (0.177)	
Brake disc runout	—		0.30 (0.012)	
Master cylinder bore	Front	15.870 – 15.913 (0.6248 – 0.6265)	—	
	Rear	12.700 – 12.743 (0.5000 – 0.5017)	—	
Master cylinder piston diam.	Front	15.827 – 15.854 (0.6231 – 0.6242)	—	
	Rear	12.657 – 12.684 (0.4983 – 0.4994)	—	
Brake caliper cylinder bore	Front	Leading	24.000 – 24.076 (0.9449 – 0.9479)	—
		Trailing	27.000 – 27.076 (1.0630 – 1.0660)	—
	Rear	38.180 – 38.256 (1.5031 – 1.5061)		—
				—
Brake caliper piston diam.	Front	Leading	23.925 – 23.975 (0.9419 – 0.9439)	—
		Trailing	26.920 – 26.970 (1.0598 – 1.0618)	—
	Rear	38.098 – 38.148 (1.4999 – 1.5019)		—
				—
Brake fluid type	DOT 4		—	

ITEM	STD/SPEC.		LIMIT
Wheel rim runout	Axial	_____	2.0 (0.08)
	Radial	_____	2.0 (0.08)
Wheel rim size	Front	17 × MT3.50, 17M/C × MT3.50	_____
	Rear	17 × MT6.00, 17M/C × MT6.00	_____
Wheel axle runout	Front	_____	0.25 (0.010)
	Rear	_____	0.25 (0.010)

**TIRE**

Unit: mm (in)

ITEM	STD/SPEC.		LIMIT
Cold inflation tire pressure (Solo riding)	Front	290 kPa (2.90 kgf/cm <sup>2</sup> , 42 psi)	_____
	Rear	290 kPa (2.90 kgf/cm <sup>2</sup> , 42 psi)	_____
Cold inflation tire pressure (Dual riding)	Front	290 kPa (2.90 kgf/cm <sup>2</sup> , 42 psi)	_____
	Rear	290 kPa (2.90 kgf/cm <sup>2</sup> , 42 psi)	_____
Tire size	Front	120/70 ZR17 (58W), 120/70 ZR17M/C (58W)	_____
	Rear	190/50 ZR17 (73W), 190/50 ZR17M/C (73W)	_____
Tire type	Front	BRIDGESTONE BT56F J	_____
	Rear	BRIDGESTONE BT56R J	_____
Tire tread depth (Recommended depth)	Front	_____	1.6 (0.06)
	Rear	_____	2.0 (0.08)

**SUSPENSION**

Unit: mm (in)

ITEM	STD/SPEC.		LIMIT
Front fork stroke	120 (4.7)		_____
Front fork spring free length	245.1 (9.65)		240 (9.4)
Front fork oil level (without spring, outer tube fully compressed)	98 (3.9)		_____
Front fork oil type	SUZUKI FORK OIL L01 or equivalent fork oil		_____
Front fork oil capacity (each leg)	480 ml (16.2/16.9 US/Imp oz)		_____
Front fork spring adjuster	5th groove from top		_____
Front fork damping force adjuster	Rebound	3 turns back	_____
	Compression	9 turns back	_____
Rear shock absorber spring pre-set length	183 (7.20)		_____
Rear shock absorber damping force adjuster	Rebound	11 turns back	_____
	Compression	8 turns back	_____

ITEM	STD/SPEC.	LIMIT
Rear wheel travel	140 (5.5)	—
Swingarm pivot shaft runout	—	0.3 (0.01)

**FUEL + OIL**

ITEM	STD/SPEC.		NOTE
Fuel type	Use only unleaded gasoline of at least 87 pump octane ( $\frac{R+M}{2}$ ) or 91 octane or higher rated by the research method. Gasoline containing MTBE (Methyl Tertiary Butyl Ether), less than 10% ethanol, or less than 5% methanol with appropriate cosolvents and corrosion inhibitor is permissible.		E-03, -28, -33
	Gasoline used should be graded 91 octane or higher. An unleaded gasoline is recommended.		The others
Fuel tank capacity	including reserve	19 L (5.0/4.2 US/Imp gal)	E-33
		21 L (5.5/4.6 US/Imp gal)	The others
Engine oil type	SAE 10W/40, API SF or SG		
Engine oil capacity	Change	3.1 L (3.3/2.7 US/Imp qt)	
	Filter change	3.3 L (3.5/2.9 US/Imp qt)	
	Overhaul	4.0 L (4.2/3.5 US/Imp qt)	