

URGENT URGENT URGENT URGENT URGENT

SUZUKI

***service
data manual***

FOREWORD

This Service Guide is prepared for the best interest of your Suzuki customers and gives you first hand knowledge of checking, arranging of your Suzuki new machines and necessary data and informations for servicing to your customers.

As you know well, to give the best service to customers is to give the best credit and satisfaction.

All the informations and specifications contained herein are the most up-to-date at the time of publication, however, please be notified there may be such machines having different specifications from those mentioned herein due to different traffic regulations, weather conditions and usage pattern in various countries.

We reserve the right to change specifications without further notice and without incurring obligation.

October, 1972

SUZUKI MOTOR CO.,LTD.

Index

A.C. Generator	16	Gear Ratio	11
Alternator	18	Ignition Timing	14
Battery	16	Lamp	20
Bore and Stroke	13	Main Jet	8
Carburetor Specification	5	Magneto	16
Piston and Cylinder Clearance	4	Maximum Horse Power	13
Coil Resistance	15	Torque	13
Condenser Capacity	15	Periodic Inspection	3
Dimensions	25	Pilot Jet	10
Drive Chain	12	Spark Plug	19
Engine Specification	13	Tire Pressure	23
Engine Oil Tank Capacity	21	Transmission Oil Capacity	21
Fuel Tank Capacity	21	Weight	25

CONTENTS

PERIODIC INSPECTION	3
---------------------	---

SERVICE DATA

Engine

Piston and cylinder clearance	4
-------------------------------	---

Carburetor specification	5
--------------------------	---

Carburetor main jet	8
---------------------	---

Carburetor pilot jet	10
----------------------	----

Gear ratio	11
------------	----

Drive chain	12
-------------	----

Engine specification	13
----------------------	----

Electrical Equipments

Ignition timing	14
-----------------	----

Coil, condenser, battery, generator	15
-------------------------------------	----

Spark plug	19
------------	----

Lamp	20
------	----

Fuel and Oil

Fuel tank capacity	21
--------------------	----

Transmission oil capacity	21
---------------------------	----

Engine oil tank capacity	21
--------------------------	----

Front fork oil capacity	22
-------------------------	----

Tire Pressure	23
---------------	----

Dimensions and Weights	25
------------------------	----

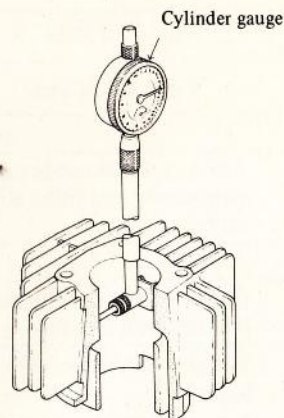
Periodic Inspection

Item \ Distance	First 750 Mile	Every 2,000 Mile	Every 4,000 Mile	Every 8,000 Mile
	First 1,000 Km	Every 3,000 Km	Every 6,000 Km	Every 12,000 Km
Air Cleaner Element		Wash		Replace
Carburetor	Adjust with throttle valve stop screw and pilot air screw	Adjust with throttle valve stop screw and pilot air screw		Overhaul and clean
Clutch	Adjust	Adjust		
Contact Breaker Point	Check contact point gap and ignition timing	Check contact point gap and ignition timing		Replace contact point
Cylinder Head and Cylinder	Retighten cylinder head nuts	Retighten cylinder head nuts	Remove carbon	
Drive Chain	Adjust	Adjust	Wash	
Exhaust Pipe and Muffler	Retighten exhaust pipe fitting nuts	Retighten exhaust pipe fitting nuts	Remove carbon	
Oil Pump	Check operation, adjust control lever aligning marks	Check operation, adjust control lever aligning marks		
Spark Plug	Clean	Clean and adjust gap	Replace	
Transmission Oil	Change	Change		
Battery	Check and service electrolyte solution	Check and service electrolyte solution		
Bolts, Nuts and Spokes	Retighten		Retighten	
Front Brake				
Fuel Cock	Clean fuel strainer		Clean fuel strainer	
Rear Brake	Adjust play	Adjust play		
Throttle grip	Adjust play	Adjust play		
Tire		Check tire tread condition		
Brake fluid	Check fluid level, leakage and pad	Check fluid level, leakage and pad		

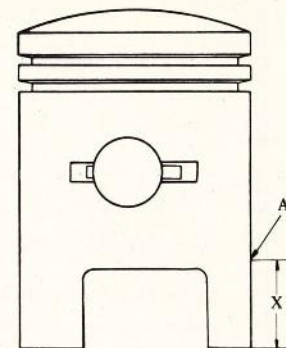
Note The chart above indicates time when inspections, adjustments and maintenance are required based on the distance the motorcycle runs, that is, first 1,000 km (750 mi), and every 3,000 km (2,000 mi), 6,000 km (4,000 mi) and 12,000 km (8,000 mi) thereafter. According to the chart, advise users to make the motorcycle checked and serviced at your shop.

Piston and cylinder clearance

Model	Piston and Cylinder Clearance mm (in)	Point (A) to be measured mm (in)
A50-2	0.070 - 0.080 (0.0028 - 0.0031)	23 (0.91)
AC50	0.070 - 0.080 (0.0028 - 0.0031)	23 (0.91)
F50, F50R	0.070 - 0.080 (0.0028 - 0.0031)	23 (0.91)
K50-2	0.070 - 0.080 (0.0028 - 0.0031)	23 (0.91)
MT50R, J, K	0.070 - 0.080 (0.0028 - 0.0031)	23 (0.91)
TS50R, J, K	0.070 - 0.080 (0.0028 - 0.0031)	23 (0.91)
A70-2	0.040 - 0.050 (0.0016 - 0.0020)	23 (0.91)
F70	0.060 - 0.070 (0.0024 - 0.0028)	22 (0.87)
A80	0.040 - 0.050 (0.0016 - 0.0020)	23 (0.91)
RV90J, K	0.065 - 0.075 (0.0026 - 0.0030)	22 (0.87)
TS90R, J	0.060 - 0.070 (0.0024 - 0.0028)	20 (0.79)
TC90R, J	0.060 - 0.070 (0.0024 - 0.0028)	20 (0.79)
A100-3, A100-4	0.025 - 0.035 (0.0010 - 0.0014)	21 (0.83)
BI20	0.035 - 0.045 (0.0014 - 0.0018)	24 (0.94)
TC120	0.035 - 0.045 (0.0014 - 0.0018)	24 (0.94)
K125-2	0.060 - 0.070 (0.0024 - 0.0028)	25 (0.98)
T125-2, T125R	0.090 - 0.100 (0.0035 - 0.0039)	20 (0.79)
TC125J, K	0.060 - 0.070 (0.0024 - 0.0028)	23 (0.91)
TS125R, J, K	0.060 - 0.070 (0.0024 - 0.0028)	26 (1.02)
TS185R, J, K	0.050 - 0.060 (0.0020 - 0.0024)	26 (1.02)
TS250R, J, K	0.060 - 0.070 (0.0024 - 0.0028)	26 (1.02)
TM250J, K	0.060 - 0.070 (0.0024 - 0.0028)	26 (1.02)
T250R, J	0.055 - 0.065 (0.0022 - 0.0025)	26 (1.02)
T350R, J	0.060 - 0.070 (0.0024 - 0.0028)	26 (1.02)
GT380J, K	0.040 - 0.050 (0.0016 - 0.0020)	26 (1.02)
TM400R, J	0.100 - 0.112 (0.0039 - 0.0044)	44.5 (1.75)
TS400J, K	0.075 - 0.085 (0.0030 - 0.0033)	44.5 (1.75)
T500R, J, K	0.065 - 0.075 (0.0026 - 0.0030)	32 (1.26)
GT550J, K	0.040 - 0.050 (0.0016 - 0.0020)	26 (1.02)
GT750J, K	0.060 - 0.070 (0.0024 - 0.0028)	32 (1.26)



Measuring cylinder bore



Point to be measured

Note The cylinder measurement should be taken at approximately 5mm (0.20 in) above exhaust port from front to rear.

The piston diameter should be measured at the point (A) above the piston skirt 90° from the piston pin holes as figured above.

Use a cylinder gauge to measure the cylinder bore, and a micrometer to measure the piston diameter.

Carburetor Specification

Model	Bore Size	Main Jet	Air Jet	Needle Jet	P.C.Height (mm)	Jet Needle	Cut-away	Pilot Jet	Bypass	Pilot Outlet	Air Screw	Starter Jet	Valve Seat	Float Level	Identification Mark	Remarks
A50-2	16	67.5	—	E-2	3	3G1-2	2.0	20	—	0.9	1½	40	1.2	A : 22.5	05111	
	16	72.5	—	E-2	3	3G1-3	2.0	25	—	0.9	1½	40	1.2	A : 22.5	05112	
AC50	16	70	—	E-2	2	3E3-3	2.0	20	—	0.9	1½	40	1.2	A : 22.5	22210	
	16	75	—	E-2	2	3E3-3	2.0	17.5	—	0.9	1½	40	1.2	A : 22.5	22211	
F50	14	102.5	—	E-0	2	3F3-3	2.5	17.5	—	0.9	1¼	40	1.2	A : 23	19013	
	14	107.5	2.0	D-8	2	3G9-4	2.5	17.5	—	0.9	1¼	40	1.2	A : 24	19110	
F50R	14	102.5	2.0	E-0		3F3-3	2.5	17.5	—	0.9	1¼	40	1.2	A : 24	19013	
K50-2	14	112.5	2.0	E-2		3F3-3	2.5	17.5	—	0.9	1¼	40	1.2	A : 24	22010	
MT50R,J,K	14	105	2.0	E-0		3G9-3	2.5	17.5	—	0.9	1½	40	1.2	A : 24	27010	
TS50R,J,K	16	75	—	E-2	2	3E3-3	2.0	17.5	—	0.9	1½	40	1.2	A : 22.5	26010	
A70-2	15	120	0.5	E-2		3G1-3	2.5	30	—	0.9	2	30	1.2	A : 22.5	05610	
F70	15	82.5	0.5	E-2	—	3J1-2	2.5	17.5	—	0.8	1½	40	1.2	A : 23	19310	
	15	80	0.7	E-2	—	3J2-3	2.5	17.5	—	0.8	1¼	40	1.2	A : 22.5	19410	
A80	15	115	0.5	E-2	—	3J2-3	2.5	15	—	0.9	1¼	30	1.2	A : 23	22510	
RV90J,K	17	250	2.5	E-6	—	4J1-2	3.0	17.5	—	1.0	1¼	50	1.2	A : 22.5	27111	
TS90R	19	180	1st 0.9 2nd 0.5	E-1	—	5F12-3	2.5	17.5	1.4	0.6	1¼	80	2.0	A : 25.1	25110	For USA and Canada
	19	180	1st 0.7 2nd 1.0	E-1	—	5F12-3	2.5	17.5	1.2	0.6	1½	80	2.0	A : 25.1	25600	Other market than USA and Canada
TC90R	19	180	1st 0.9 2nd 0.5	E-1	—	5F12-3	2.5	17.5	1.4	0.6	1¼	80	2.0	A : 25.1	25110	
TS90J,TC90J	19	150	1st 0.9 2nd 0.5	E-1	—	5D3-3	2.0	17.5	1.4	0.6	1¼	80	2.0	A : 25.1	25211	

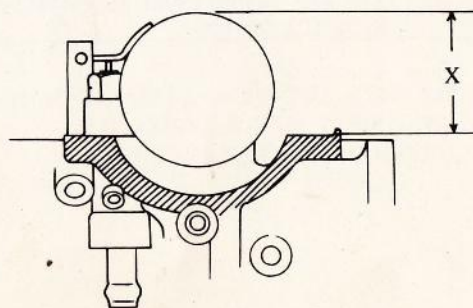
Model	Bore Size	Main Jet	Air Jet	Needle Jet	P.C.Height (mm)	Jet Needle	Cut-away	Pilot Jet	Bypass	Pilot Outlet	Air Screw	Starter Jet	Valve Seat	Float Level	Identification Mark	Remarks
A100-3,A100-4	20	75	—	E-0	—	5ES1-2	2.5	35	1.4	0.6	1½	60	1.5	A : 25.1	12601	
B120	20	95	2.7	N-2	3	4F11-2	2.0	25	—	1.4	1½	30	1.5	A : 25.1	07611	
TC120R	20	110	—	O-0	1	4D8-3	2.5	25	—	1.4	1½	30	1.5	A : 25.1	20602	
K125-2	21	130	2.0	O-0	2.8	4J6-2	2.0	20	1.4	0.6	2½	100	2.0	A : 25.25	08620	
T125-2,T125R	18	72.5	2.5			4F13-4	2.5	20	—	0.9	1½	30	1.5	A : 19	20610	
TS125R	24	125	—	O-4	4.2	4DH5-2	3.0	25	1.4	0.7	1¼	80	2.0	B : 6.8	28602	For USA and Canada Other market than USA and Canada
	24	120	—	O-4	4.2	4DH5-2	3.0	25	1.4	0.7	1¼	80	2.0	B : 6.8	28010	
	24	90	—	O-0	8	4DH7-3	3.0	25	1.4	0.7	1¼	80	1.5	B : 6.8	28603	
TS125J,K	24	125	—	O-4	4.2	4DH5-2	3.0	25	1.4	0.7	1¼	80	2.0	B : 6.8	28602	For USA and Canada Other market than USA and Canada
	24	120	—	O-4	4.2	4DH5-2	3.0	25	1.4	0.7	1¼	80	2.0	B : 6.8	28010	
	24	90	—	O-0		4DH7-3	3.0	25	1.4	0.7	1¼	80	1.5	B : 6.8	28603	
TC125J,K	24	125	—	O-4	4.2	4DH5-2	3.0	25	1.4	0.7	1¼	80	2.0	B : 6.8	28602	For USA and Canada Other market than USA and Canada
	24	120	—	O-4	4.2	4DH5-2	3.0	25	1.4	0.7	1¼	80	2.0	B : 6.8	28010	
	24	90	—	O-0	8	4DH7-3	3.0	25	1.4	0.7	1¼	80	1.5	B : 6.8	28603	
TS185R,J,K	24	130	—	O-6	8.2	5DH4-2	2.5	25	1.4	0.7	1½	80	2.0	B : 6.8	29601	
TS250R,J,K	28	170	—	O-4	8.2	5CN3-2	2.5	25	1.2	0.9	1¼	80	2.5	B : 15.2	30010	Other market than USA and Canada For USA and Canada
	28	180	—	O-4	8.2	5CN3-2	2.5	25	1.2	0.9	1¼	80	2.5	B : 15.2	30601	
TM250J,K	32	260	—	Q-2	8.2	6FJ11-3	2.0	20	1.6	0.8	1½	130	3.3	B : 9.1	30110	
	32	230	—	P-0	8.2	6DP1-2	1.5	40	1.6	0.8	1	130	3.3	B : 9.1	30111	
T250R,J,GT250K	26	110	—	O-2	8.2	5CN3-2	2.5	25	1.2	0.6	1½	80	2.5	B : 13.7	18641	
T350R,J	32	112.5	—	P-6	8	5DL13-4	2.5	35	1.4	0.6	1½	40	2.5	B : 27.25	18630	
GT380J,K	24	80	—	O-4		4DH7-2	3.0	22.5	1.4	0.8	1¼	60	2.0	A : 24.25	33011	
TM400R,J	34	310	—	Q-8	8.2	6FJ6-3	2.0	35	1.6	0.8	1½	40	3.3	B : 10.5	16513	Other market than USA and Canada For USA and Canada
	34	250	—	P-3	8.2	6DH3-4	2.5	35	1.6	0.8	1	40	3.3	B : 10.5	16611	
TS400J,K	32	210	—	Q-6	8.2	6DP5-3	3.0	40	1.2	0.8	1¼	80	3.3	A : 31.75	32012	

Model	Bore Size	Main Jet	Air Jet	Needle	P.C. Hight (mm)	Jet Needle	Cut-away	Pilot Jet	Bypass	Pilot Outlet	Air Screw	Starter Jet	Valve Seat	Float Level	Identification Mark	Remarks
T500R,J	32	150	—	R : P-5 L : P-4	8.2	5FP8-3	2.5	30	1.4	0.6	1¼	70	2.5	A : 27.25	15602	
GT550J,K	28	R&L : 95 M : 92.5	—	O-5	8.2	5DH21-3	2.5	27.5	1.4	0.5	1¼	60	2.0	A : 24.25	34012	Other market than Europe
		R&L : 87.5 M : 85	—	O-2		5C4-3	2.0	25							34600	For Europe
GT750J,K	32	R&L : 102.5 M : 100	—	R&L : P-4 M : P-3	8	5F16-3	2.5	30	1.4	0.6	1½	50	2.5	A : 27.25	31011	

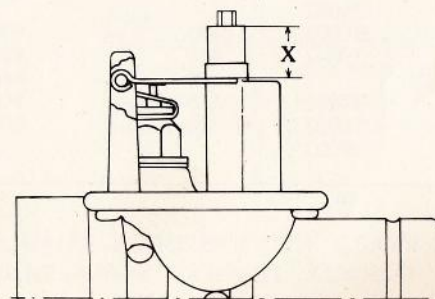
Note There are two types of carburetor in measuring the float level as follows.

Type A Measure the distance between the float chamber bowl fitting surface, with the gasket removed, and the bottom of the float using calipers.

Type B Measure the distance between the float arm and the main jet fitting seat.



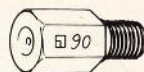
Type A



Type B

Main Jet

Type No. 1



Size	Part Number	Size	Part Number
50	09491 - 50002	200	09491 - 40004
55	55002	210	42001
60	60002		
65	65002	220	44001
70	70002	230	46001
		240	48001
75	75002	250	50003
80	80003	260	52001
85	85002		
90	90002	270	54001
95	95002	280	56001
		290	58001
100	20002	300	60003
110	22003	310	62001
115	23008		
120	24002	320	64001
125	25004	330	66001
		340	68001
130	26003	360	72001
140	28002	390	78001
145	29002		
150	30003	400	80004
160	32002	410	82001
		420	84001
170	34002	430	86001
180	36003	440	88001
190	38003		

Applicable Model RV90J,K, K125-2, TS125R,J,K, TS185R,J,K
TS250R,J,K, TM250J,K, TS400J,K, TM400J,K

Type No. 2



Size	Part Number	Size	Part Number
35	09491-- 35001	100	09491 - 20001
40	40001	105	21002
45	45001	110	22001
50	50001	115	23005
55	55001	120	24001
		130	26002
60	60001	140	28001
65	65001		
70	70001	150	30001
75	75001	160	32001
80	80001	170	34001
		180	36002
85	85001	190	38001
90	90001		
95	95001	200	40005

Applicable Model A70, A80, TS90R, TS90J, TC90R, TC90J, A100
B120, TC120R

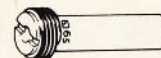
Type No. 3



Size	Part Number	Size	Part Number
52.5	09491 - 52002	102.5	09491 - 20004
55	55003	105	21003
56.5	56002	107.5	21006
57.5	57002	110	22004
62.5	62002	112.5	22005
65	65003	115	23002
67.5	67001	117.5	23004
70	70005	120	24005
72.5	72005	125	25001
75	75005	127.5	25003
77.5	77001	130	26004
80	80005	132.5	26005
82.5	82002	135	27002
85	85004	137.5	27004
87.5	87001	140	28005
90	90003	142.5	28006
92.5	92001	145	29001
95	95003	147.5	28004
97.5	97001	150	30004
100	20003		

Applicable Model A50-2, AC50, F50, K50-2, MT50R,J,K
 TS50R,J,K, F70, T250R,J, T350R,J,
 GT380J,K, T500R,J,K GT550J,K, GT750J,K

Type No. 4



Size	Part Number
57.5	09491 - 57001
70	70007
72.5	72007
75	75006

Applicable Model T125-2, T125R

Note

The main jet determines the amount of fuel at high speeds. The number stamped on the main jet is the measure of amount of fuel that can flow through it. If the stamped number is higher, more fuel flows through the main jet.

Pilot Jet

Type No. 1

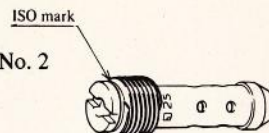


Size	Part Number
15	09492 - 15001
17.5	17001
20	20001
25	25001
30	30002
35	35001
40	40002

Applicable Model

A70-2
A100-3, A100-4
B120
TC120R
K125-2

Type No. 2



Size	Part Number
17.5	09492 - 17002
20	20002
22.5	22002
25	25003
30	30003
35	35004
40	40004

Applicable Model

A50-2	TM250J,K
AC50	T250R,J
F50, F50R	T350R,J
K50-2	GT380J,K
MT50R,J,K	TM400R,J,K
TS50R,J,K	TS400J,K
F70	T500R,J,K
A80	GT550J,K
RV90J,K	GT750J,K
TS90R,J	
TC90R,J	
TS125R,J,K	
TC125J,K	
TS185R,J,K	
TS250R,J,K	

Type No. 3



Size	Part Number
17.5	09492 - 17003
20	20003
25	25004

Applicable Model

T125-2, T125R

Note The pilot jet determines the amount of fuel flowing at low speeds. The number stamped near the bleed hole of the pilot jet measures the amount of fuel which can flow through it. If the stamped number is higher, more fuel flows through pilot jet.

Gear Ratio

Model	Primary Reduction	Final Reduction	Low	2nd	3rd	4th	5th	6th	Remarks
A50-2	3.84 (73/19)	2.64 (37/14)	3.67 (44/12)	2.17 (39/18)	1.59 (35/22)	1.28 (32/25)	1.07 (30/28)		
AC50	3.84 (73/19)	2.64 (37/14)	3.67 (44/12)	2.17 (39/18)	1.59 (35/22)	1.28 (32/25)	1.07 (30/28)		
F50, F50R	3.38 (71/21)	2.77 (36/13)	4.18 (46/11)	2.20 (33/15) 2.00 (32/16)	1.45 (29/20)				
K50-2	3.84 (73/19)	2.29 (32/14)	4.18 (46/11)	2.20 (33/15)	1.45 (29/20)				
MT50R,J,K	3.84 (73/19)	2.15 (28/13)	4.18 (46/11)	2.20 (33/15) 2.00 (32/16)	1.45 (29/20)				
TS50R,J,K	3.84 (73/19)	2.80 (42/15)	3.67 (44/12)	2.13 (32/15)	1.58 (30/19)	1.28 (32/25)	1.07 (30/28)		
A70-2	3.84 (73/19)	2.50 (35/14)	3.31 (43/13)	2.05 (39/19)	1.48 (34/23)	1.07 (30/28)			
F70	3.18 (70/22)	2.29 (32/14)	3.38 (44/13)	2.11 (38/18)	1.43 (33/23)				
A80	3.84 (73/19)	2.50 (35/14)	3.31 (43/13)	2.05 (39/19)	1.48 (34/23)	1.07 (30/28)			
RV90J,K	3.47 (52/15)	3.13 (47/15)	2.91 (32/11)	1.87 (28/15)	1.47 (25/17)	1.10 (22/20)			
TC90R,J	3.17 (73/23)	3.36 (47/14)	2.50 (30/12) 4.34 (30/12 x 19/18 x 23/14)	1.64 (23/14) 2.85 (23/14 x 19/18 x 23/14)	1.21 (23/19) 2.10 (23/19 x 19/18 x 23/14)	0.95 (18/19) 1.64 (23/14)			
TS90R,J	3.17 (73/23)	3.64 (51/14)	2.82 (31/11)	1.87 (28/15)	1.39 (25/18)	1.10 (22/20)	0.87 (20/23)		
A100-3, A100-4	3.13 (50/16)	2.64 (37/14)	2.91 (32/11)	1.87 (28/15)	1.39 (25/18)	1.10 (22/20)			
B120	3.13 (50/16)	2.12 (31/14)	2.91 (32/11)	1.87 (28/15)	1.39 (26/18)	1.10 (22/20)			
TC120R	3.13 (50/16)	2.93 (41/14)	2.23 (29/13) 4.40 (29/13 x 18/19 x 25/12)	1.39 (25/18) 2.74 (25/18 x 18/19 x 25/12)	1.05 (19/18) 2.08 (25/12)				
K125-2	3.76 (64/17)	2.53 (38/15)	2.54 (23/13)	1.56 (28/18)	1.14 (25/22)	0.88 (22/25)			
T125-2, T125R	3.13 (50/16)	2.50 (40/16)	3.18 (35/11)	2.07 (31/15)	1.56 (28/18)	1.24 (26/21)	1.09 (24/22)		
TC125J,K	3.56 (57/16)	3.08 (37/12)	2.46 (32/13) 4.47 (32/13 x 22/19 x 22/14)	1.56 (25/16) 2.84 (25/16 x 22/19 x 22/14)	1.11 (21/19) 2.01 (21/19 x 22/19 x 22/14)	0.86 (19/22) 1.57 (22/14)			
TS125R,J,K	3.56 (57/16)	3.33 (50/15)	2.75 (33/12)	1.81 (29/16)	1.25 (25/20)	1.00 (23/23)	0.80 (20/25)		
TS185R,J,K	3.21 (61/19)	3.25 (39/12)	2.75 (33/12)	1.81 (29/16)	1.25 (25/20)	1.00 (23/23)	0.80 (20/25)		
TS250R,J,K	3.19 (67/21)	2.60 (39/15)	2.42 (29/12)	1.80 (27/15)	1.28 (23/18)	1.00 (21/21)	0.83 (19/23)		
TM250J	3.19 (67/21)	2.67 (40/15)	2.42 (29/12)	1.80 (27/15)	1.28 (23/18)	1.00 (21/21)	0.83 (19/23)		
T250R,J	3.05 (61/20)	2.93 (41/14)	2.33 (28/12)	1.50 (24/16)	1.16 (22/19)	0.90 (19/21)	0.78 (18/23)	0.71 (17/24)	
T350R,J	3.05 (61/20)	2.71 (38/14)	2.33 (28/12)	1.50 (27/18)	1.16 (22/19)	0.90 (19/21)	0.78 (18/23)	0.71 (17/24)	
GT380J	2.83 (68/24) 2.83 (68/24)	3.00 (42/14) 2.67 (40/15)	2.33 (28/12) 2.33 (28/12)	1.50 (24/16) 1.50 (24/16)	1.16 (22/19) 1.11 (21/19)	0.90 (19/21) 0.90 (19/21)	0.78 (18/23) 0.78 (18/23)	0.71 (17/24) 0.71 (17/24)	For Europe
TM400R,J	2.96 (68/23)	2.67 (40/15)	1.88 (30/16)	1.42 (27/19)	1.14 (25/22)	0.96 (23/24)	0.84 (21/25)		
TS400J	2.96 (68/23)	2.50 (40/16)	2.07 (31/15)	1.42 (27/19)	1.14 (25/22)	0.96 (23/24)	0.84 (21/25)		
T500J,K	2.50 (65/26)	2.20 (33/15)	2.50 (30/12)	1.56 (25/16)	1.16 (22/19)	0.95 (21/22)	0.87 (20/23)		
GT550J,K	2.24 (74/33)	2.50 (40/16)	2.85 (37/13)	1.74 (33/19)	1.36 (30/22)	1.13 (27/24)	0.92 (24/26)		
GT750J,K	1.67 (82/49)	3.13 (47/15)	2.85 (37/13)	1.74 (33/19)	1.36 (30/22)	1.13 (27/24)	0.92 (24/26)		

Drive Chain

Model	Chain Size	Number of Links	Remarks
A50-2	420	106	
AC50	420	106	
F50, F50R	420	104	
K50-2	420	102	
MT50R,J	420	82	
TS50R,J,K	420	108	
A70-2	420	104	
F70	420	102	
A80	420	104	
RV90J,K	428	108	
TS90R,J	428	114	
TC90R	428	112	
TC90J	428	110	
A100-3, A100-4	428	108	
B120	428	104	
TC120R	428	110	
K125-2	428	108	
T125-2, T125R	428	116	
TC125J,K	520	92	
TS125R,J,K	428	118	
TS185R,J,K	520	96	
TS250R,J,K	525	100	
TM250J,K	525	100	
T250R,J	525	96	
T350R,J	525	96	
GT380J,K	50SH 50HDS	104	Endless Type
TM400R,J,K	525	100	
TS400J,K	525	104	Endless Type
T500R,J,K	50HD	110	
GT550J,K	50HDS	108	Endless Type
GT750J,K	50HDS	108	Endless Type

Engine Specification

Model	Piston Displacement cc (cu in)	Bore and Stroke mm (in)	Compression Ratio	Maximum Horse Power HP/rpm	Maximum Torque kg-m (lb-ft) /rpm
A50-2	49 (3.0)	41.0 x 37.8 (1.61 x 1.49)	6.7	4.9/8,500	0.43 (3.11)/8,000
AC50	49 (3.0)	41.0 x 37.8 (1.61 x 1.49)	6.7	4.9/8,500	0.43 (3.11)/8,000
F50, F50R	49 (3.0)	41.0 x 37.8 (1.61 x 1.49)	6.9	4.5/6,000	0.58 (4.19)/5,000
K50-2	49 (3.0)	41.0 x 37.8 (1.61 x 1.49)	6.9	4.5/6,000	0.52 (3.76)/5,000
MT50R,J,K	49 (3.0)	41.0 x 37.8 (1.61 x 1.49)	6.9	3.0/6,000	0.38 (2.75)/5,000
TS50R,J,K	49 (3.0)	41.0 x 37.8 (1.61 x 1.49)	6.7	4.9/8,000	0.46 (3.33)/7,000
A70-2	69 (4.2)	46.0 x 42.0 (1.81 x 1.65)	7.0	7.5/7,500	0.80 (5.78)/6,000
F70	69 (4.2)	46.0 x 42.0 (1.81 x 1.65)	6.6	6.2/6,500	0.71 (5.13)/5,000
A80	73 (4.45)	47.0 x 42.0 (1.85 x 1.65)	7.0	7.7/7,500	0.83 (6.00)/6,000
RV90J,K	88 (5.4)	50.0 x 45.0 (1.97 x 1.77)	6.2	8.0/6,000	1.00 (7.23)/4,000
TS90R,J	89 (5.4)	47.0 x 51.8 (1.85 x 2.04)	6.7	11.0/7,500	1.08 (7.81)/7,000
TC90R,J	89 (5.4)	47.0 x 51.8 (1.85 x 2.04)	6.7	11.0/7,500	1.08 (7.81)/7,000
A100-3, A100-4	98 (6.0)	50.0 x 50.0 (1.97 x 1.97)	6.5	9.5/7,500	0.95 (6.87)/6,500
B120	118 (7.2)	52.0 x 56.0 (2.05 x 2.20)	6.8	10.0/7,000	1.10 (7.95)/5,000
TC120R	118 (7.2)	52.0 x 56.0 (2.05 x 2.20)	6.9	12.0/7,500	1.20 (8.68)/7,000
K125-2	123 (7.5)	54.0 x 54.0 (2.13 x 2.13)	7.0	10.5/7,000	1.17 (8.46)/5,500
T125-2, T125R	124 (7.5)	43.0 x 43.0 (1.69 x 1.69)	7.3	15.1/8,500	1.38 (9.98)/7,000
TC125J,K	123 (7.5)	56.0 x 50.0 (2.20 x 1.97)	6.7	13.0/7,000	1.36 (9.83)/6,500
TS125R,J,K	123 (7.5)	56.0 x 50.0 (2.20 x 1.97)	6.7	13.0/7,000	1.36 (9.83)/6,500
TS185R,J,K	183 (11.2)	64.0 x 57.0 (2.52 x 2.24)	6.2	17.5/7,000	1.86 (13.5)/6,000
TS250R,J,K	246 (15.1)	70.0 x 64.0 (2.76 x 2.52)	6.7	23.0/6,500	2.68 (19.4)/5,500
TM250J,K	246 (15.1)	70.0 x 64.0 (2.76 x 2.52)	7.5	*30.0/7,500	*2.90 (21.0)/7,000
T250R,J	247 (15.1)	54.0 x 54.0 (2.13 x 2.13)	7.5	33.0/8,000	3.08 (22.3)/7,000
T350R,J	315 (19.2)	61.0 x 54.0 (2.40 x 2.13)	6.9	36.0/7,000	3.90 (28.2)/6,000
GT380J,K	371 (22.6)	54.0 x 54.0 (2.13 x 2.13)	6.7	38.0/7,500	3.93 (28.4)/6,000
TM400R,J	396 (24.2)	82.0 x 75.0 (3.23 x 2.95)	7.3	40.0/6,500	4.53 (32.8)/6,000
	396 (24.2)	82.0 x 75.0 (3.23 x 2.95)	6.8	34.0/6,000	4.11 (29.7)/5,500
T500R,J	492 (30.0)	70.0 x 64.0 (2.76 x 2.52)	6.6	47.0/7,000	5.30 (38.3)/6,000
GT550J,K	544 (33.2)	61.0 x 62.0 (2.40 x 2.44)	6.8	50.0/6,500	6.10 (44.1)/5,000
GT750J,K	738 (45.0)	70.0 x 64.0 (2.76 x 2.52)	6.7	67.0/6,500	7.70 (55.7)/5,500

Note * shows the data of without silencer.

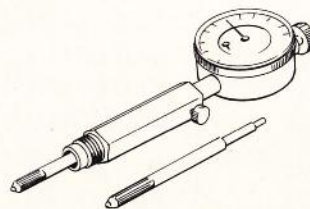
Ignition Timing

Model	Angle	Corresponding value in piston stroke	
		Standard	Tolerance
A50-2	$24 \pm \frac{3}{2}$	2.00 mm	1.69 - 2.52 mm
AC50	$24 \pm \frac{3}{2}$	2.00	1.69 - 2.52
F50, F50R	$20 \pm \frac{3}{2}$	1.40	1.14 - 1.84
K50-2	$20 \pm \frac{3}{2}$	1.40	1.14 - 1.84
MT50R,J,K	$20 \pm \frac{3}{2}$	1.40	1.14 - 1.84
TS50R,J,K	$24 \pm \frac{3}{2}$	2.00	1.69 - 2.52
A70-2	$20 \pm \frac{3}{2}$	1.56	1.26 - 2.05
F70	$20 \pm \frac{3}{2}$	1.56	1.26 - 2.05
A80	$20 \pm \frac{3}{2}$	1.56	1.26 - 2.05
RV90J,K	$22 \pm \frac{3}{2}$	2.04	1.70 - 2.70
TS90R,J	$20 \pm \frac{3}{2}$	1.96	1.60 - 2.65
TC90R,J	$20 \pm \frac{3}{2}$	1.96	1.60 - 2.65
A100-3, A100-4	$20 \pm \frac{3}{2}$	1.86	1.52 - 2.47

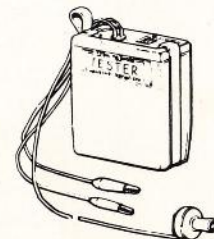
Model	Angle	Corresponding value in piston stroke	
		Standard	Tolerance
B120	$24 \pm \frac{3}{2}$	3.00 mm	2.54 - 3.79 mm
TC120R	$24 \pm \frac{3}{2}$	3.00	2.54 - 3.79
K125-2	$20 \pm \frac{3}{2}$	1.99	1.62 - 2.62
T125-2, T125R	$20 \pm \frac{3}{2}$	2.28	1.93 - 2.83
TC125J,K	$22 \pm \frac{3}{2}$	2.41	1.90 - 3.10
TS125R,J,K	$22 \pm \frac{3}{2}$	2.41	1.90 - 3.10
T250R,J GT250K	$24 \pm \frac{3}{2}$	2.88	2.43 - 3.63
T350R,J	$24 \pm \frac{3}{2}$	2.88	2.43 - 3.63
GT380J,K	$24 \pm \frac{3}{2}$	3.00	2.52 - 3.76
T500R,J,K	$24 \pm \frac{3}{2}$	3.40	2.86 - 4.26
GT550J,K	$24 \pm \frac{3}{2}$	2.37	2.85 - 4.24
GT750J,K	$24 \pm \frac{3}{2}$	R&L 3.64	R&L 3.20 - 4.25
		M 3.42	M 2.88 - 3.99

Note Improperly adjusted timing causes not only decreased engine performance but also abnormal noise and shortens engine life. Therefore in order to check and adjust the timing precisely the timing gauge (09931-00112) is to be used along with the timing tester (09900-25001) to denote point where the contact points begin to open.

Timing Gauge



Timing Tester



Coil, Condenser, Battery, Generator

Model	Primary Coil Resistance (Ω)	Ignition Coil Resistance (Ω)		Condenser Capacity (μ F)
		Primary	Secondary	
A50-2, AC50, F50, F50R, K50-2 MT50R,J,K, TS50R,J,K, A70-2, F70 A80, RV90J,K, TS90R,J, TC90R,J A100-3, A100-4, B120, TC120R, TC125J,K, TS125R,J,K	1 - 3	1 - 3	5k - 10k	0.16 - 0.20

Model	Exiter Coil Resistance (Ω)	Pulser Coil Resistance (Ω)	Ignition Coil Resistance (Ω)	
			Primary	Secondary
TS185R,J,K TS250R,J,K TM250J,K TM400J TS400J,K	150 - 300	30 - 90	Nearly 0	10k - 20k

Model	A.C. Generator Stator Coil Resistance (Ω)	Alternator (Ω)		Ignition Coil Resistance (Ω)		Condenser Capacity (μ F)
		Rotor Coil	Stator Coil	Primary	Secondary	
T250R,J T350R,J T500R,J,K	Nearly 0	—	—	3 - 6	10k - 25k	0.16 - 0.20
GT380J,K GT550J,K GT750J,K	—	2 - 5 10 - 20	Nearly 0 Nearly 0	3 - 6	10k - 25k	0.16 - 0.20

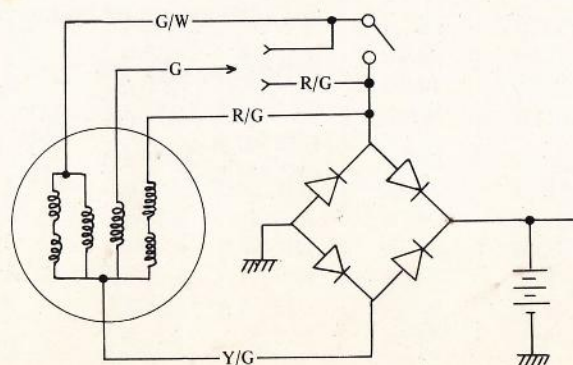
Note A damage of coil, in most case, can be detected by checking its grounds and opens.

- To check coil for grounds, connect one lead of an ohmmeter to either end of coil and the other lead to the core. If the ohmmeter shows any reading, the field winding is judged to be grounded and the coil must be replaced.
- To check coil for opens, connect leads of an ohmmeter to each end of coil, if the indication of the ohmmeter is in the range shown above figures, the coil can be judged to be no trouble and small deviation from the range is negligible since the coil resistance varies with temperature and the other factors.

Model	Charging Capacity		Lighting Coil Output	Battery	
	Day Time	Night Time		Capacity	Type
A50-2	over 0.15A/2,000 rpm below 3.2A/8,000 rpm	over 0.1A/2,500 rpm	over 6V/2,000 rpm below 9V/8,000 rpm	6V 4AH	6N4-2A
AC50	over 0.15A/2,000 rpm below 3.2A/8,000 rpm	over 0.1A/2,000 rpm	over 6V/2,000 rpm below 9V/8,000 rpm	6V 4AH	6N4-2A
F50, F50R	over 0.15A/2,000 rpm below 3.2A/8,000 rpm	over 0.1A/2,500 rpm	over 6V/2,000 rpm below 9V/8,000 rpm	6V 4AH	6N4-2A
K50-2	over 0.15A/2,000 rpm below 3.2A/8,000 rpm	over 0.1A/2,500 rpm	over 6V/2,000 rpm below 9V/8,000 rpm	6V 4AH	6N4-2A
MT50R,J,K	over 0.1A/2,000 rpm below 3.2A/8,000 rpm	over 0.1A/3,000 rpm	over 6V/2,300 rpm below 9V/8,000 rpm	6V 2AH	6N2-2A-2C
TS50R,J	over 0.1A/2,000 rpm below 3.2A/8,000 rpm	over 0.1A/3,000 rpm	over 6V/2,300 rpm below 9V/8,000 rpm	6V 4AH	6N4-2A
A70-2	over 0.15A/2,000 rpm below 3.2A/8,000 rpm	over 0.1A/2,000 rpm	over 6V/2,000 rpm below 9V/8,000 rpm	6V 4AH	6N4-2A
F70	over 0.15A/2,000 rpm below 3.2A/8,000 rpm	over 0.1A/2,500 rpm	over 6V/2,000 rpm below 9V/8,000 rpm	6V 4AH	6N4-2A
A80	over 0.15A/2,000 rpm below 3.2A/8,000 rpm	over 0.1A/2,000 rpm	over 6V/2,000 rpm below 9V/8,000 rpm	6V 4AH	6N4-2A
TS90R,J TC90R,J	starts to charge at 2,500 rpm below 3.2A/8,000 rpm	starts to charge at 3,000 rpm below 3.2A/8,000 rpm	over 6V/2,000 rpm below 8.5V/8,000 rpm	6V 2AH	6N2-2A
RV90J	starts to charge at 2,500 rpm below 3.2A/8,000 rpm	starts to charge at 3,000 rpm below 3.2A/8,000 rpm	over 6V/2,500 rpm below 9V/8,000 rpm	6V 2AH	6N2-2A-4
A100-3,A100-4	over 0.1A/2,000 rpm below 3.2A/8,000 rpm	—	over 6V/2,000 rpm below 8.5V/8,000 rpm	6V 4AH	6N4-2A
B120	over 0.6A/1,500 rpm below 3.2A/8,000 rpm	starts to charge at 1,500 rpm below 0.5A/8,000 rpm	over 6V/1,500 rpm below 9V/8,000 rpm	6V 4AH	6N4-2A
TC120R	over 0.6A/1,500 rpm below 3.2A/8,000 rpm	starts to charge at 1,500 rpm below 0.5A/8,000 rpm	over 6V/1,500 rpm below 9V/8,000 rpm	6V 4AH	6N4-2A
K125-2	over 13.5V 7A/2,300 rpm	over 13.5V 0A/1,800 rpm	—	12V11AH	12N11-3B
T125-2,T125R	starts to charge at 2,000 rpm below 3A/8,000 rpm	starts to charge at 2,300 rpm below 3A/8,000 rpm	—	6V7.5AH	6N7.5-5A-1

Model	Charging Capacity		Lighting Coil Output	Battery	
	Day Time	Night Time		Capacity	Type
TS125R,J,K TC125J,K	starts to charge at 2,500 rpm below 3.2A/8,000 rpm	starts to charge at 3,000 rpm below 3.2A/8,000 rpm	over 6V/2,500 rpm below 8.5 V/8,000 rpm	6V 4AH	6N4B-2A
TS185R,J	starts to charge at 3,100 rpm below 2A/8,000 rpm	starts to charge at 2,400 rpm below 0.8A/8,000 rpm	over 6V/2,500 rpm below 8.7V/8,000 rpm	6V 4AH	6N4-2A
TS250R,J	starts to charge at 3,100 rpm below 2A/8,000 rpm	starts to charge at 2,400 rpm below 0.8A/8,000 rpm	over 6V/2,500 rpm below 8.7V/8,000 rpm	6V 4AH	6N4B-2A
T250R,J,K T350R,J,K	*R/G ; . . starts to charge at 2,000 rpm below 2A/8,000 rpm	H.L. 25W . . . starts to charge at 2,000 rpm below 2.4A/8,000 rpm H.L. 35W . . . starts to charge at 2,000 rpm below 2A/8,000 rpm	—	12V 5AH	12N5-3B
TS400J	starts to charge at 1,500 rpm below 1.4A/7,000 rpm	starts to charge at 1,700 - 2,000 rpm below 1.25A/7,000 rpm	—	12V 5AH	12N5-3B
T500R,J,K	starts to charge at 1,100 rpm below 5.7A/8,000 rpm	H.L. 25W . . . starts to charge at 1,700 rpm below 3.7A/8,000 rpm H.L. 35W . . . starts to charge at 1,800 rpm below 3A/8,000 rpm	—	12V 7AH	12N7-4H

*When charging capacity is apt to be insufficient, connect the green lead wire to the R/G. In this case, the charging begins at 1,500 rpm and is below 3A at 8,000 rpm.

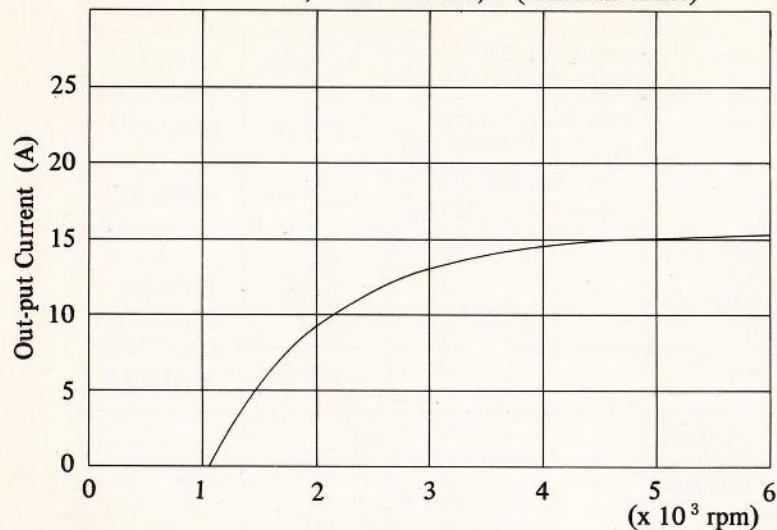


Wire Color

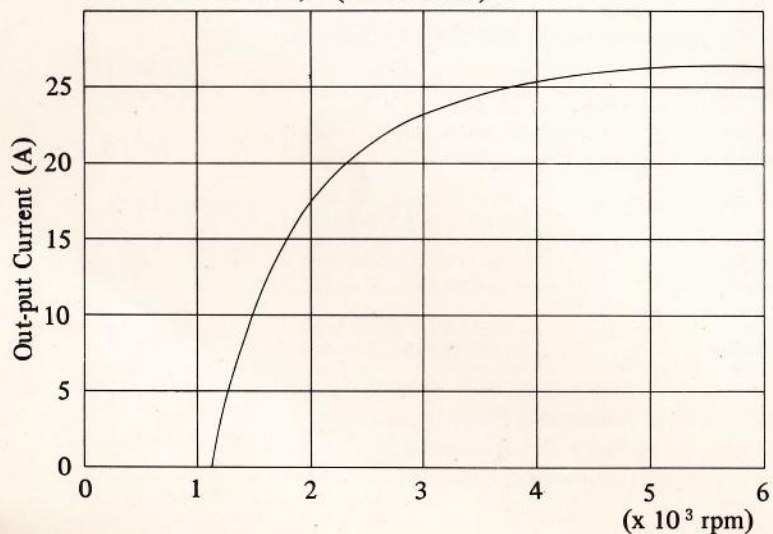
G Green
G/W Green with White tracer
R/G Red with Green tracer
Y/G Yellow with Green tracer

Alternator

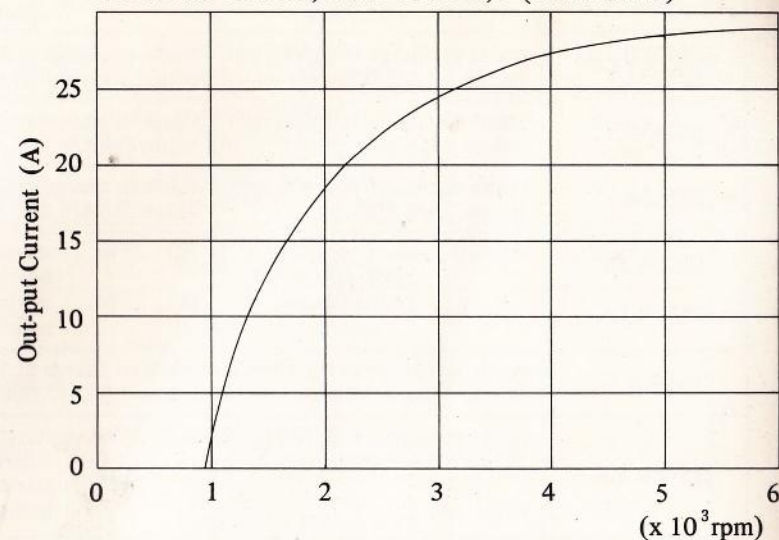
For model GT550J,K and GT380J,K (Kokusan make)



For model GT750J,K (Denso make)



For model GT550J,K and GT380J,K (Denso make)



Note These performance curves are obtained under condition of normal temperature and 14V of constant output voltage.

Battery capacity and type

GT380J,K	 12V	7AH, 12N7-4A
GT550J,K	 12V	11AH, 12N11-3B
GT750J,K	 12V	14AH, 12N14-3A

Spark Plug

Model	Standard		Hotter Type		Colder Type		Remarks
	NGK	Denso	NGK	Denso	NGK	Denso	
A50-2	B-77HC	—	B-7HS	W22FS	B-8HS	W24FS	For USA and Canada Other market than USA and Canada
AC50	B-77HC	—	B-7HS	W22FS	B-8HS	W24FS	
F50, F50R	BP-4H	W14FP	BP-2H	—	BP-6HS	W20FP	
K50-2	BP-6HS	W20FP	BP-4H	W14FP	BP-7HS	W22FP	
MT50R,J,K	BP-4H	W14FP	BP-2H	—	BP-6HS	W20FP	
TS50R,J,K	B-77HC	—	B-7HS	W22FS	B-8HS	W24FS	
A70-2	B-7HS	W22FS	B-6HS	W20FS	B-8HS	W24FS	
F70	BP-6HS	W20FP	BP-4H	W14FP	BP-7HS	W22FP	
A80	BP-7HS	—	B-6HS	W20FS	B-8HS	W24FS	
RV90J,K	BP-6HS	W20FP	BP-4H	W14FP	BP-7HS	W22FP	
TS90R,J	B-77HC	—	B-7HS	W22FS	B-8HS	W24FS	
TC90R,J	B-77HC	W24FS	B-7HS	W22FS	B-8HS	W24FS	
A100-3, A100-4	B-7HS	W22FS	B-6HS	W20FS	B-8HS	W24FS	
B120	B-7HS	W22FS	B-6HS	W20FS	B-8HS	W24FS	
TC120R	B-77HC	—	B-7HS	W22FS	B-8HS	W24FS	
K125-2	B-7HS	W22FS	B-6HS	W20FS	B-8HS	W24FS	
T125-2, T125R	BP-7HS	W22FP	BP-6HS	W20FP	B-8HS	W24FS	
TS125R,J,K	B-77HC	W24FS	B-7HS	W22FS	B-8HS	W24FS	
TC125J,K	B-77HC	W24FS	B-7HS	W22FS	B-8HS	W24FS	
	B-7HS	W22FS	B-6HS	W20FS	B-77HC	W24FS	
TS185R,J,K	B-77HC	W24FS	B-7HS	W22FS	B-8HS	W24FS	
TS250R,J,K	B-7ES	W22ES	B-6ES	W20ES	B-8ES	W24ES	
TM250J,K	B-8ES	W24ES	B-7ES	W22ES	B-9ES		
T250R,J	B-77HC	—	B-7HS	W22FS	B-8HS	W24FS	
T350R,J	B-77HC	—	B-7HS	W22FS	B-8HS	W24FS	
GT380J,K	B-7ES	W22ES	B-6ES	W20ES	B-8ES	W24ES	
TM400R,J	B-8ES	W24ES	B-7ES	W22ES	B-9ES		
TS400J	B-8ES	W24ES	B-7ES	W22ES	B-9ES		
T500R,J,K	B-77HC	—	B-7HS	W22FS	B-8HS	W24FS	
GT550J,K	B-7ES	W22ES	B-6ES	W20ES	B-8ES	W24ES	
GT750J,K	B-7ES	W22ES	B-6ES	W20ES	B-8ES	W24ES	

Lamp

Model	Nominal Voltage	Head Lamp	Tail/Brake Lamp	Turn Signal Lamp	Speedometer Lamp	Neutral Indicator Lamp	High Beam Indicator Lamp	Turn Signal Indicator Lamp	Tachometer Lamp
A50-2	6 V	15/15 W	3/10 W(cp)	8 W (cp)	1.7 W	1.7 W	— W	1.7 W	— W
AC50	6	15/15	3/10	(21)	1.7	1.7	1.7	1.7	—
F50	6	15/15	3/10	8	1.7	1.7	—	1.7	—
F50R	6	15/15	(3/21)	—	1.7	1.7	1.7	—	—
MT50R,J,K	6	15/15	3/10 (3/21)	—	3	3	3	—	—
TS50R,J,K	6	15/15	3/10 (3/21)	10	3	3	1.7	1.7	—
K50-2	6	15/15	3/10	8	1.7	1.7	—	1.7	—
K50D-2	12	25/25	3/10	10	3.4	3.4	—	—	—
A70-2	6	15/15	3/10	8	1.7	1.7	—	1.7	—
F70	6	15/15	3/10	8	1.7	1.7	—	1.7	—
A80	6	15/15	3/10	8	1.7	1.7	—	1.7	—
TS90R,J	6	25/25	3/10 (3/21)	—	3	3	3	—	—
TC90R,J	6	25/25	3/10 (3/21)	—	3	3	3	—	—
RV90J,K	6	25/25	3/10 (3/21)	8	3	3	1.7	1.7	—
A100-3, A100-4	6	25/25	3/10	8	3	3	—	1.7	—
B120	6	25/25	5.3/17	8	3	3	—	3	—
TC120R	6	25/25	3/10 (3/21)	—	3	3	3	—	—
K125-2	12	35/35	5.2/18.4	10	3.4	3.4	—	1.7	—
T125-2, T125R	6	25/25	(3/21)	8	3	3	1.7	1.7	—
TC125J,K	6	25/25	3/10 (3/21)	—	1.7	3	3	—	1.7
TS125R,J,K	6	25/25	3/10 (3/21)	8	3	3	1.7	1.7	—
TS185R,J,K	6	25/25	3/10 (3/21)	8	3	3	1.7	1.7	—
TS250R,J,K	6	25/25	3/10 (3/21)	(21)	3	3	3	1.7	3
T250R,J	12	35/25	7/23 (4/32)	23 (32)	3.4	3.4	1.7	1.7	—
T350R,J	12	35/25	7/23 (4/32)	23 (32)	3.4	3.4	1.7	1.7	—
GT380J,K	12	35/25	8/23 (/ 32)	23	3.4	3.4	3.4	1.7	3.4
TS400J,K	12	35/25	7/23 (4/32)	23	3.4	3.4	3.4	1.7	3.4
T500R,J,K	12	35/25	7/23 (4/32)	23	3.4	3.4	3.4	1.7	3.4
GT550J,K	12	50/40	8/23 (3/32)	23 (32)	3.4	3.4	3.4	1.7	3.4
GT750J,K	12	50/40	8/23 (3/32)	23 (32)	3.4	3.4	3.4	1.7	3.4

(cp) : For USA and Canada

Fuel and Oil Capacity

Model	Fuel Tank Capacity (US/Imp gal)		Transmission Oil Capacity (US/Imp pt)	Engine Oil Tank Capacity (US/Imp pt)
	Whole	Reserve		
A50-2	5.5 ltr (1.45/1.21)	1.0 ltr (0.26/0.22)	550 cc (1.16/0.97)	1,200 cc (2.54/2.11)
AC50	5.5 (1.45/1.21)	1.0 (0.26/0.22)	550 (1.16/0.97)	1,200 (2.54/2.11)
F50, F50R	3.2 (0.85/0.70)	0.45 (0.12/0.10)	450 (0.95/0.79)	800 (1.69/1.41)
K50-2	6.0 (1.59/1.32)	1.0 (0.26/0.22)	500 (1.06/0.88)	1,200 (2.54/2.11)
MT50R,J,K	2.5 (0.66/0.55)	—	550 (1.16/0.97)	800 (1.69/1.41)
TS50R,J,K	5.0 (1.32/1.10)	0.6 (0.16/0.13)	700 (1.48/1.23)	1,200 (2.54/2.11)
A70-2	6.0 (1.59/1.32)	1.0 (0.26/0.22)	550 (1.16/0.97)	1,200 (2.54/2.11)
F70	3.2 (0.85/0.70)	0.4 (0.11/0.09)	550 (1.16/0.97)	800 (1.69/1.41)
A80	7.0 (1.84/1.54)	1.3 (0.34/0.29)	550 (1.16/0.97)	1,300 (2.75/2.29)
RV90J	3.3 (0.87/0.73)	0.5 (0.13/0.11)	700 (1.48/1.23)	800 (1.69/1.41)
TS90R, TC90R	6.0 (1.59/1.32)	2.0 (0.53/0.44)	700 (1.48/1.23)	1,200 (2.54/2.11)
TS90J, TC90J	6.5 (1.72/1.43)	1.5 (0.40/0.33)	700 (1.48/1.23)	1,200 (2.54/2.11)
A100-3	7.5 (1.98/1.65)	2.0 (0.53/0.44)	750 (1.58/1.32)	1,200 (2.54/2.11)
A100-4	7.0 (1.84/1.54)	1.3 (0.34/0.29)	650 (1.37/1.14)	1,300 (2.75/2.29)
B120	8.0 (2.11/1.76)	1.0 (0.26/0.22)	800 (1.69/1.41)	1,300 (2.75/2.29)
TC120R	7.0 (1.84/1.54)	1.5 (0.40/0.33)	800 (1.69/1.41)	1,400 (2.96/2.46)
K125-2	9.0 (2.38/1.98)	2.0 (0.53/0.44)	800 (1.69/1.41)	1,500 (3.17/2.64)
T125-2, T125R	8.0 (2.11/1.76)	1.0 (0.26/0.22)	850 (1.80/1.50)	1,400 (2.96/2.46)
TC125J,K	7.0 (1.84/1.54)	2.0 (0.53/0.44)	550 (1.16/0.97)	1,100 (2.32/1.94)
TS125R,J,K	7.0 (1.84/1.54)	2.0 (0.53/0.44)	550 (1.16/0.97)	1,100 (2.32/1.94)
TS185R,J,K	7.0 (1.84/1.54)	2.0 (0.53/0.44)	550 (1.16/0.97)	1,100 (2.32/1.94)
TS250R	9.0 (2.38/1.98)	2.0 (0.53/0.44)	1,200 (2.54/2.11)	1,050 (2.22/1.85)
TS250J,K	9.0 (2.38/1.98)	2.0 (0.53/0.44)	700 (1.48/1.23)	1,050 (2.22/1.85)
TM250J,K	9.0 (2.38/1.98)	—	700 (1.48/1.23)	600 (1.27/1.06)
T250R,J	12.0 (3.17/2.64)	2.0 (0.53/0.44)	1,200 (2.54/2.11)	1,500 (3.17/2.64)
T350R,J	15.0 (3.96/3.30)	2.0 (0.53/0.44)	1,200 (2.54/2.11)	1,100 (2.32/1.94)
GT380J,K	15.0 (3.96/3.30)	4.6 (1.22/1.01)	1,400 (2.96/2.46)	1,300 (2.75/2.29)
TM400R	9.0 (2.38/1.98)	—	1,100 (2.32/1.94)	400 (0.84/0.70)
TM400J	9.0 (2.38/1.98)	—	1,200 (2.54/2.11)	700 (1.48/1.23)
TS400J,K	9.0 (2.38/1.98)	2.0 (0.53/0.44)	1,200 (2.54/2.11)	1,200 (2.54/2.11)
T500R,J,K	14.0 (3.70/3.08)	2.0 (0.53/0.44)	1,200 (2.54/2.11)	1,800 (3.80/3.17)
GT550J,K	15.0 (3.96/3.30)	4.6 (1.22/1.01)	1,500 (3.17/2.64)	1,300 (2.75/2.29)
GT750J,K	17.0 (4.49/3.74)	3.5 (0.91/0.77)	2,200 (4.65/3.87)	1,800 (3.80/3.17)

Note

Fuel

Gas used should be graded 85 to 95 octane in Research Method.

Engine Oil

For the Suzuki CCI System, use of Suzuki CCI Oil is highly recommended, but if it is not available, a good quality two-stroke motorcycle injection oil of around SAE 30 should be used.

Transmission Oil

A good quality SAE 20W/40 multigrade transmission oil is to be used.

Front Fork Oil Capacity

Model	Oil Capacity (each leg)
A50-2	133 cc 0.28/0.23 US/Imp pt
AC50	138 0.29/0.24
K50-2	133 0.28/0.23
TS50R	122 0.26/0.21
TS50J,K	136 0.29/0.24
A70-2	138 0.29/0.24
A80	138 0.29/0.24
TS90R, TC90R	185 0.39/0.33
TS90J, TC90J	185 0.39/0.33
A100-3, A100-4	125 0.26/0.22
B120	160 0.34/0.28
TC120R	175 0.37/0.31
K125-2	180 0.38/0.32
T125-2, T125R	130 0.27/0.23

Model	Oil Capacity (each leg)
TC125J,K	195 cc 0.41/0.34 US/Imp pt
TS125R,J,K	195 0.41/0.34
TS185R,J,K	195 0.41/0.34
TS250R,J,K	255 0.54/0.45
TM250J,K	190 0.40/0.33
T250R	180 0.38/0.32
T250J	190 0.40/0.33
T350R,J	220 0.46/0.39
GT380J,K	210 0.44/0.37
TM400R,J	190 0.40/0.33
TS400J	255 0.54/0.45
T500R,J,K	220 0.46/0.39
GT550J,K	235 0.50/0.41
GT750J,K	235 0.50/0.41

Note The more oil in the front fork the stiffer the suspension becomes, while the less oil in the fork the softer the suspension becomes.
When changing the fork oil, use a good quality SAE 10W/30 multigrade motor oil or A.T.F. (Automatic Transmission Fluid).

Tire Pressure

Model	Front Tire Pressure		Rear Tire Pressure		Front Tire Size	Rear Tire Size
			Solo Riding	Dual Riding		
A50-2	1.6 kg/cm ² (23 psi)		2.2 kg/cm ² (31 psi)	2.5 kg/cm ² (36 psi)	2.25-17, 4PR	2.25-17, 4PR
AC50	1.6 (23)		2.2 (31)	2.5 (36)	2.25-17	2.50-17
F50, F50R	1.5 (21)		2.2 (31)	2.8 (39)	2.25-17	2.25-17
K50-2	1.5 (21)		2.2 (31)	2.8 (39)	2.25-17	2.25-17
MT50R,J,K	1.0 (14)		1.6 (23)	—	3.50-8	3.50-8
TS50R	1.5 (21)		2.1 (30)	—	2.25-17	2.50-17
TS50J,K	1.4 (20)		2.0 (28)	—	2.50-17	2.50-17
A70-2	1.6 (23)		2.0 (28)	2.4 (34)	2.25-17	2.50-17
F70	1.5 (21)		2.2 (31)	2.8 (39)	2.25-17	2.25-17
A80	1.6 (23)		2.0 (28)	2.4 (34)	2.25-17	2.50-17
TS90R,J	1.6 (23)		1.8 (26)	2.0 (28)	2.75-18	3.00-18
TC90R,J	1.6 (23)		1.8 (26)	2.0 (28)	2.75-18	3.00-18
A100-3, A100-4	1.5 (21)		2.1 (30)	2.4 (34)	2.50-18	2.50-18
B120	1.6 (23)		1.8 (25)	2.3 (32)	2.50-17	2.75-17
TC120R	1.1 (16)		1.4 (20)	—	2.75-18	3.00-18
K125-2	1.6 (23)		2.2 (31)	2.5 (36)	3.00-16	3.00-16
T125-2, T125R	1.5 (21)		2.1 (30)	2.5 (36)	2.50-18	2.75-18
TC125J,K	1.4 (20)		2.0 (28)	2.4 (34)	2.75-19	3.25-18
TS125R,J,K	1.4 (20)		2.0 (28)	2.4 (34)	2.75-19	3.25-18
TS185R,J,K	1.4 (20)		2.0 (28)	2.4 (34)	3.00-19	3.50-18
TS250R,J,K	1.2 (17)		1.4 (20)	1.7 (24)	3.25-19	4.00-18
T250R,J	1.5 (21)		1.8 (26)	2.3 (33)	3.00-18	3.25-18
T350R,J	1.5 (21)		1.8 (26)	2.1 (30)	3.00-18	3.50-18
TS400J,K	1.2 (17)		1.4 (20)	1.7 (24)	3.25-19	4.00-18
T500R,J,K	1.6 (23)		1.9 (27)	2.3 (33)	3.25-19	4.00-18

Model	Usage	Front Tire Pressure	Rear Tire Pressure		Front Tire Size	Rear Tire Size
			Solo Riding	Dual Riding		
RV90J,K	On Public Road	0.8 kg/cm ² (11 psi)	0.8 kg/cm ² (11 psi)	1.0 kg/cm ² (14 psi)	6.7-10, 4PR	6.7-10, 4PR
	On Sands	0.6 (9)	0.6 (9)	0.8 (11)		
GT380J,K	Normal Riding	1.8 (26)	2.0 (28)	2.2 (31)	3.00-19	3.50-18
	Continuous High Speed Riding	1.8 (26)	2.2 (31)	2.2 (31)		
GT550J,K	Normal Riding	1.6 (23)	1.8 (26)	2.0 (28)	3.25-19	4.00-18
	Continuous High Speed Riding	1.8 (26)	2.0 (28)	2.0 (28)		
GT750J,K	Normal Riding	1.6 (23)	1.8 (26)	2.0 (28)	3.25-19	4.00-18
	Continuous High Speed Riding	1.8 (26)	2.0 (28)	2.0 (28)		

Model	Usage	Front Tire Pressure	Rear Tire Pressure	Front Tire Size	Rear Tire Size
TM250J,K	Average Condition	1.0 kg/cm ² (14 psi)	1.0 kg/cm ² (14 psi)	3.00-21, 4PR	4.00-18, 4PR
	Motocross Racing	1.0 (14)	1.0 (14)		
	Dirt Racing	1.2 (17)	1.4 (20)		
TM400R,J	Average Condition	1.0 (14)	1.0 (14)	3.00-21	4.00-18
	Motocross Racing	1.0 (14)	1.0 (14)		
	Dirt Racing	1.2 (17)	1.4 (20)		

Note The tire pressure should be inspected when the tires are cold.

Dimensions and Weights

Model	Overall Length		Overall Width		Overall Height		Wheelbase		Ground Clearance		Dry Weight	
A50-2	1,820	mm (71.7 in)	790	mm (31.1 in)	980	mm (38.6 in)	1,185	mm (46.7 in)	125	mm (4.9 in)	73	kg (160 lb)
AC50	1,820	(71.7)	790	(31.1)	980	(38.6)	1,185	(46.7)	125	(4.9)	73	(160)
F50, F50R	1,815	(71.5)	650	(25.6)	1,030	(40.5)	1,180	(46.5)	140	(5.5)	70	(154)
K50-2	1,815	(71.5)	750	(29.5)	990	(39.0)	1,190	(46.8)	135	(5.3)	74	(162)
MT50R, J	1,310	(51.5)	650	(25.6)	880	(34.6)	940	(37.0)	130	(5.1)	60	(132)
TS50R, J	1,800	(70.9)	830	(32.7)	990	(39.0)	1,185	(46.7)	190	(7.5)	71	(156)
A70-2	1,815	(71.5)	760	(29.9)	990	(39.0)	1,185	(46.7)	130	(5.1)	75	(165)
F70	1,815	(71.5)	650	(25.6)	1,030	(40.5)	1,180	(46.5)	135	(5.3)	71	(156)
A80	1,815	(71.5)	760	(29.9)	990	(39.0)	1,185	(46.7)	130	(5.1)	75	(165)
RV90J	1,805	(71.1)	820	(32.3)	990	(39.0)	1,180	(46.5)	195	(7.7)	84	(185)
TS90R	1,895	(74.6)	830	(32.6)	1,045	(41.1)	1,205	(47.4)	225	(8.9)	89.5	(197)
TC90R	1,910	(75.2)	830	(32.6)	1,060	(41.7)	1,205	(47.4)	230	(9.0)	90.5	(199)
TS90J	1,875	(73.8)	840	(33.1)	1,080	(42.5)	1,195	(47.0)	173	(6.8)	89	(197)
TC90J	1,875	(73.8)	840	(33.1)	1,080	(42.5)	1,195	(47.0)	220	(8.7)	90	(198)
A100-3, A100-4	1,830	(72.0)	760	(29.9)	1,010	(39.8)	1,200	(47.2)	140	(5.5)	83	(183)
B120	1,905	(74.9)	665	(26.2)	965	(37.9)	1,120	(44.1)	150	(5.9)	85	(187)
TC120R	1,865	(73.4)	795	(31.3)	1,035	(40.7)	1,195	(47.0)	200	(7.9)	93	(205)
K125-2	1,905	(75.0)	780	(30.7)	1,010	(39.8)	1,260	(49.6)	125	(4.9)	113	(248)
T125-2, T125R	1,835	(72.2)	790	(31.1)	1,080	(42.5)	1,190	(46.9)	170	(6.7)	96	(211)
TC125J	2,025	(79.7)	845	(33.3)	1,100	(43.3)	1,310	(51.6)	235	(9.3)	95	(209)
TS125R, J	2,050	(80.7)	845	(33.3)	1,100	(43.3)	1,310	(51.6)	235	(9.3)	90	(198)
TS185R, J	2,020	(79.5)	840	(33.0)	1,135	(44.7)	1,340	(52.8)	240	(9.4)	99	(217)
T250J	1,990	(78.3)	870	(34.3)	1,070	(42.2)	1,290	(50.8)	160	(6.3)	145	(319)
TS250R, J	2,185	(86.0)	870	(34.3)	1,100	(43.3)	1,415	(55.8)	250	(9.8)	118	(260)
TM250J	2,150	(84.5)	870	(34.3)	1,160	(45.7)	1,415	(55.8)	215	(8.5)	100	(220)
T350R, J	2,030	(79.9)	870	(34.3)	1,130	(44.5)	1,300	(51.2)	160	(6.3)	154	(339)
GT380J	2,105	(82.9)	850	(33.5)	1,100	(43.3)	1,355	(53.4)	155	(6.1)	171	(377)
TM400R, J	2,160	(85.0)	875	(34.4)	1,135	(44.7)	1,410	(55.5)	220	(8.7)	105	(231)
TS400J	2,215	(87.2)	890	(35.0)	1,125	(44.3)	1,385	(54.6)	200	(8.0)	126	(277)
T500J	2,195	(86.4)	880	(34.6)	1,105	(43.5)	1,455	(57.3)	160	(6.3)	185	(408)
GT550J	2,160	(85.0)	850	(33.5)	1,100	(43.3)	1,405	(55.3)	150	(5.9)	187	(412)
GT750J	2,215	(87.2)	865	(34.0)	1,125	(44.3)	1,470	(57.8)	150	(5.9)	214	(472)