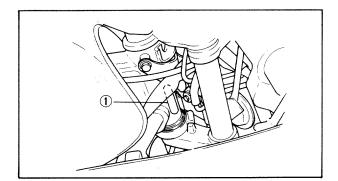
# GENERAL INFORMATION

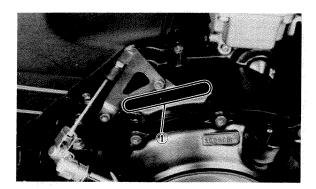
# MOTORCYCLE IDENTIFICATION



# Frame Serial Number 1982 Jane 2019

The frame serial number ① is stamped into the rightside of the steering head pipe.

Starting Serial Number: XJ750 . . . . . . . . . . . . . . . . . 45T-000101



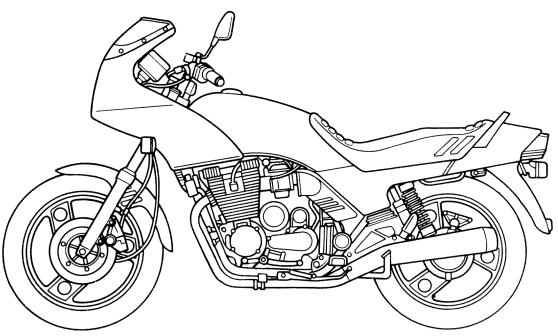
# **Engine Serial Number**

The engine serial number is stamped into the elevated part of the right rear section of the engine.

NOTE: \_\_\_\_\_\_\_ The first three digits of these numbers are for model identification; the remaining digits are the unit production number.

NOTE: \_\_\_\_\_\_\_

Designs and specifications are subject to change without notice.



# Front Fork Oil Change

WA	RN	IN	G.

Secure support the motorcycle so there is no danger of it falling over.

# Raise:

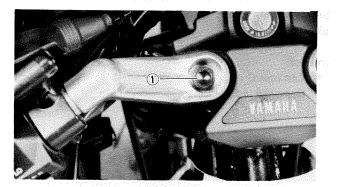
Motorcycle front end



# Remove:

- Handle bar rubber cap
- Handle bar securing screw (1)
- Handle bar



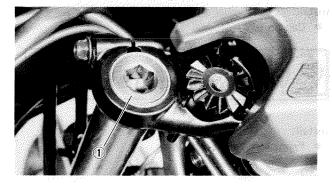


# Remove:

- Front fork rubber cap
- Cap bolt ①

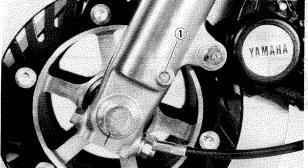


Receptacle under each drain hole.



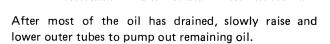


• Drain screw (1)



### WARNING:

Danger do not allow oil to contact disc brake components. Remove any oil found on these components to avoid diminished braking capacity.



### Inspect:

 Drain screw gasket Damaged → Replace.

## Install:

- Drain screw gasket
- Drain screw

# Pour:

Specified fork oil → (Inner fork)



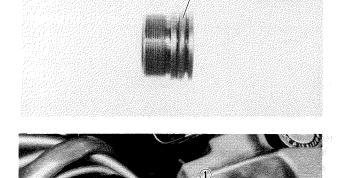
SAE 10W30 Type SE Motor Oil: Oil Capacity (each fork):

 $286 \pm 4 \text{ cm}^3 (10.1 \pm 0.14 \text{ Imp oz}, 9.67 \pm 0.14 \text{US oz})$ 

Slowly pump forks up and down to distribute the oil after filling.

### Inspect:

• Cap bolt O-ring 1 Damaged → Replace.



### Install:

Cap bolt



Cap bolt:

23 Nm (2.3 m-kg, 17 ft-lb)



### Install:

• Front fork rubbe cap ①



# Install:

- Handle bar
- Handle bar securing screw 1



Handle bar securing screw:

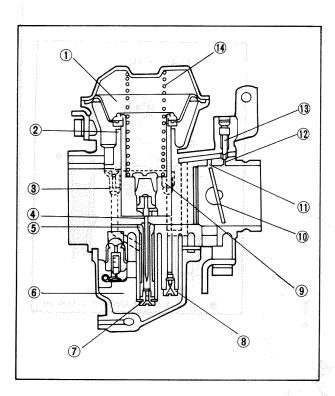
93 Nm (9.3 m.kg, 67 ft-lb)

• Handle bar rubber cap



# **CARBURETION**

# **CARBURETOR**



# Section View

- 1 Diaphragm
- 2 Piston valve
- 3 Main air jet
- 4 Jet needle
- **5** Needle jet
- **6** Float chamber
- 7 Main jet
- (8) Pilot jet
- 9 Pilot air jet
- 10 Throttle valve
- 1 By-pass hole
- (12) Pilot outlet
- 13 Pilot screw
- Spring

# **Specifications**

	96.4	age of the
	Main jet	#106
	Jet needle	Y-18
	Pilot jet	#41
	Starter jet	<b>#43</b> %
	Fuel level	1.0 ± 1 mm (0.0394 ± 0.039 in.)
	Pilot screw	Preset
1	Float valve seat	<i>φ</i> 2.0
-	Engine idle speed	1.100 ± 50 r/min
1		\$70,0000

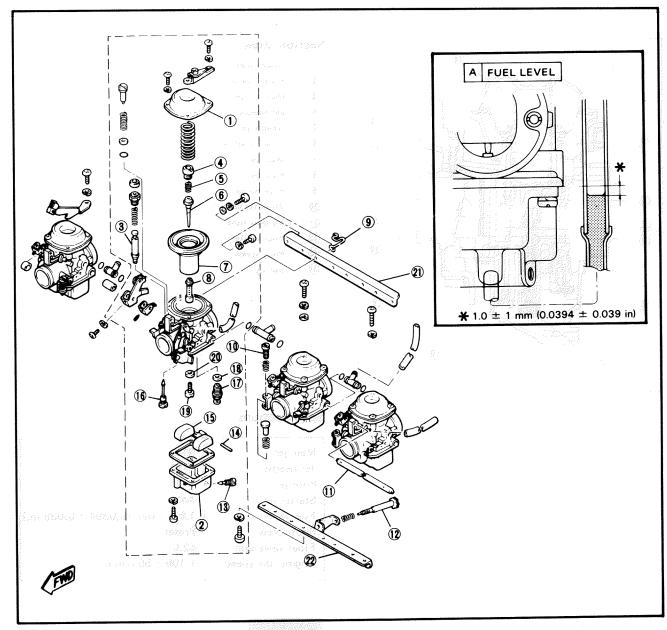
# **CAUTION:**

The pilot screw settings are adjusted for maximum performance at the factory attempt to change these settings as any alteration will decrease engine performance.



- Vacuum chamber cover
- 2. Float chamber cover
- 3. Starter plunger
- Jet needle cover
- 5. Set spring Jet needle 6.
- 7. Vacuum piston
- 8. Main nozzle
- 9. Clutch wire clip
- 10. Synchronizing screw
- 11. Starter lever shaft

- 12. Throttle stop screw
- 13. Drain screw
- 14. Float pin
- 15. Float
- 16. Pilot jet
- 17. Float valve
- 18. Float valve washer
- 19. Main jet
- 20. Main jet washer
- 21. Upper support plate
- 22. Lower support plate



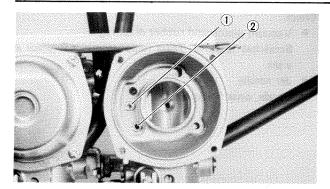
# Disassembly

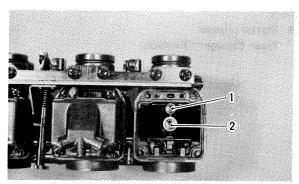
# CAUTION:

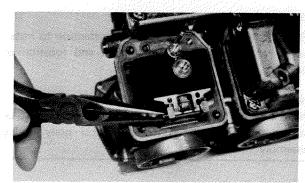
Separation of the carburetor is not recommended. Usual disassmebly for cleaning and inspection is not necessary to separate the carburetors. The carburetor body support screws are locked with a locking compound such "LOCTITE". If the carburetors are separated, misalignment will result.











### Remove:

- Vacuum chamber cover
- Vacuum piston
- Jet needle
- Main air jet ①
- Pilot air jet (2)
- Main nozzle
- Starter plunger

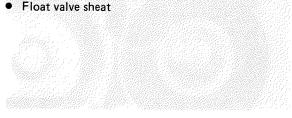
### Remove:

- Float chamber cover
- Pilot jet ①
- Main jet ②



### Remove:

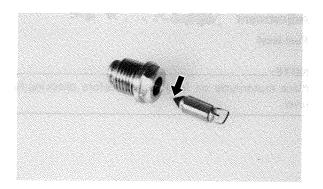
- Float pin ①
- Float
- Float valve



# Inspection

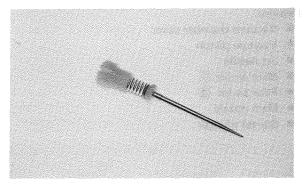
# Check:

- Carburetor body and fuel passage **Contamination** → Follow these steps: Wash carburetor in petroleum-based solvent (Do not use any caustic carburetor cleaning solution). Blow out all passages and jets with compressed air.
- Floats Damage → Replace.

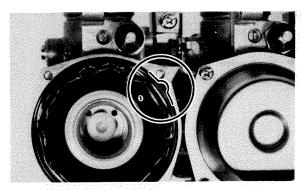


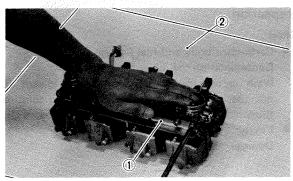
### Check:

 Float needle valve and seat Wear, contamination → Replace as a set.









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### Check:

- Vacuum piston and rubber diaphragm
   Scratches (piston), Tears (diaphragm) → Replace as
- Jet needle
   Bends, wear → Replace.

# Check:

Starter plunger
 Wear, damage → Replace.

# Assembly

Reverse disassembly steps. Pay close attention to installation of vacuum piston diaphragm and location of each jet.

NOTE:\_

Note position of tab on diaphragm. This tab must be placed in the cavity of the carburetor body during assembly.

If the carburetors are separated, place the carburetors on a surface plate ② and install lower ① and upper support plate.

# Adjustment

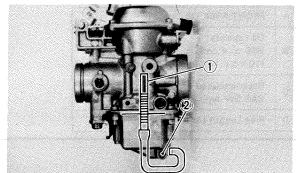
Fuel level

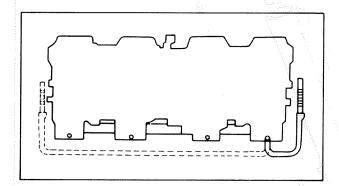
NOTE:

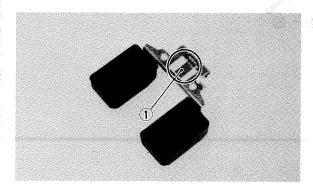
Place motorcycle on level surface before checking fuel level.

# **CARBURETOR**









## Connect:

• Fuel level gauge 1 or 6 mm (0.24 in.) vinyl pipe.

### Place

Fuel level gauge to carburetor mixing chamber body.

### Loosen:

• Drain screw 2.

# Set:

 Fuel cock to "ON" or "RES" and start engine. Stop it after a few minutes.

### Check

• Fuel level 1 should be within specified range.

### Fuel level

1.0  $\pm$  1 mm (0.0394  $\pm$  0.039 in.) below from the carburetor mixing chamber body edge.

### NOTE

Fuel level of each left and right side carburetor shouled be equal. If not, place a suitable size of wooden piece or the like under the center stand and adjust then check fuel level again.

- Remove carburetors and check fuel valve and float assembly if fuel level is not within specified range.
- If no damage is found in these parts, adjust float level by slightly bending tang ① of float. Recheck fuel level.
- Repeat these steps for other carburetor.

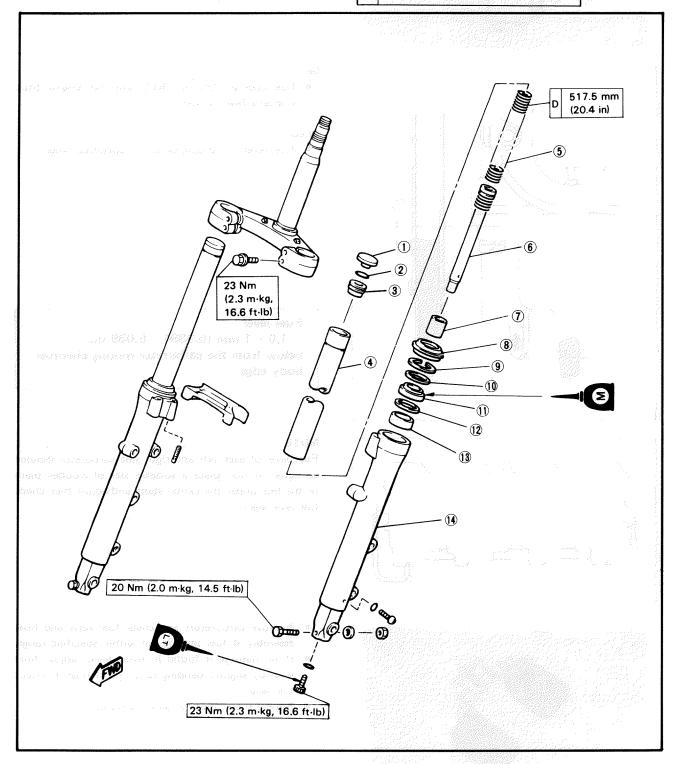


# **FRONT FORK**

# **FRONT FORK**

- 1. Rubber cap
- 2. O-ring
- 3. Cap bolt
- 4. Inner tube
- 5. Fork spring
- 6. Damper rod
- 7. Taper spindle
- 8. Dust seal
- 9. Circlip
- 10. Washer
- 11. Fork oil seal
- 12. Washer
- 13. Guide bush
- 14. Outer tube

Α	FRONT FORK OIL:
В	Oil capacity: 286 ± 4 cm³ (10.1±0.14 lmp oz, 9.67±0.14 US oz)
С	Recommended oil: SAE 5W type SE motor oil
D	Free Length Limit



# Removal and Disassembly

# WARNING:

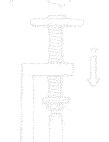
Securely support the motorcycle so there is no danger of it falling over.

### Remove:

- Speedometer cable
- Front fender
- Front fork brace
- Front wheel
- Headlight unit

### Remove:

Windscreen assembly

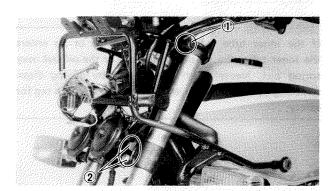


# Loosen:

- Handle crown pinch bolt 1
- Under bracket pinch bolts 2

Slide down the front fork from the handle crown.





YAMAHA

# Tighten:

• Under bracket pinch bolts

### Remove:

Rubber cap

### Loosen:

• Cap bolt ①



### Remove:

Disc brake caliper

### Loosen

Under bracket pinch bolts

## Remove:

• Front fork

Remove:

 Cap bolt (←Inner tube)

 Fork spring (←Inner tube)

Dust seal (←Outer tube)

Circlip (←Outer tube)

Washer (←Outer tube)

Install:

Stretch the inner tube, and fill with the fork oil.

Cap bolt

Press the inner tube to remove the oil seal from outer tube.

1 Wrap with rag

2 Spacer

(3) Turn slowly

**CAUTION:** 

If the inner tube is abruptly contracted or air enters the inner tube, the oil may spurt out or the oil seal may spring out. Never touch the inner tube during disassembling operation. Also wrap the oil seal with a rag for safety.

Remove:

Oil seal

(←Outer tube)

Washer

(←Outer tube)

Cap bolt

(←Inner tube)

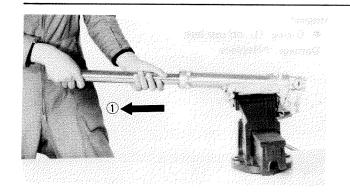
# Drain:

• Fork oil (into receptacle)

# Remove:

Damper rod securing bolt

Hold damper rod with Damper Rod Holder (90890-01365)



### Remove:

- Damper rod
- Damper rod spring
- Inner fork tube
- Guide bush

(←Outer tube)

Pull 1 inner tube from outer tube.

# Inspection

### Inspect:

• Inner fork tube Severely seratched or bent  $\rightarrow$  Replace. Damaged oil lock valve → Replace.

# WARNING:

Do not attempt to straighten bent fork tube; this may dangerously weaken tube.

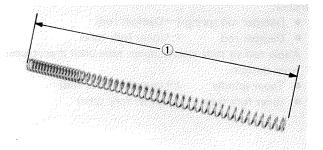
# Inspect:

 Outer fork tube Dents  $\rightarrow$  Replace Damaged fork seal seat → Replace

• Fork oil seal

Lip damage → Replace

Outer surface damage → Replace

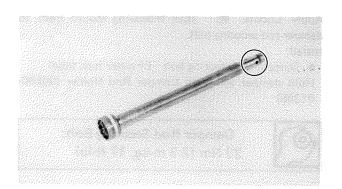


# Inspect:

• Springs (free length) (1) Outer of specification → Replace

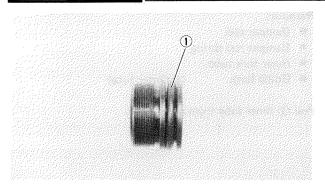


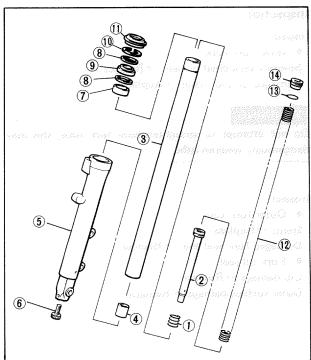
Fork Spring Free Length Limit 517.5 mm (20.4 in)



### Inspect:

 Damper rod Worn damper rod seal → Replace Contamination → Wash and blow out all passages





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O-ring ① on cap bolt
 Damage → Replace





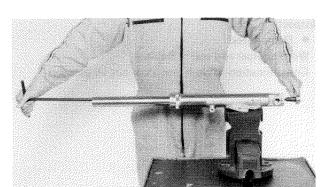
# Assembly

Be sure all components are clean before assembly

- Damper rod spring
- 2 Damper rod
- 3 Inner fork tube
- Taper spindle
- Outer fork tube
- 6 Damper rod securing bolt
- 7 Guide bush
- (8) Washer
- 9 Fork oil sael
- (10) Circlip
- (1) Dust seal
- (12) Fork spring
- (13) O-ring
- (14) Cap bolt

### Install:

- Damper rod spring (→ Damper rod)
- Damper rod spring (→ bamper rod)
   Damper rod (→ inner fork tube)
   Allow rod to slide slowly down tube until it protrudes from bottom.
- Taper spindle (→ end of damper rod)
   Inner fork tube (→ outer fork tube)



Apply Loctite (R) stud N'Bearing Mount (red) to damper rod securing bolt.
Install:

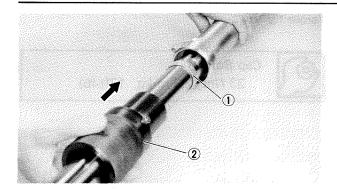
Damper rod securing bolt (→outer fork tube)
 Hold damper rod with Damper Rod Holder (90890-01365)

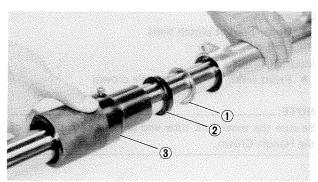


Damper Rod Securing Bolt: 23 Nm (2.3 m·kg, 17 ft-lb)

Seal Driver ② (90890-01367)







# Install:

Install:

• Guide bush (1)

- Washer 1
- Fork oil seal 2

Press fork oil seal into the outer fork tube with Fork Seal Driver 3 (90890-01367)

Press guide bush into the outer fork tube with Fork





### Install:

- Washer
- Circlip
- Dust seal

Pour specified amount of oil into inner tube



### Capacity:

 $286 \pm 4 \text{ cm}^3 (10.1 \pm 0.14 \text{ Imp oz,}$ 9.67 ± 0.14 UA oz)

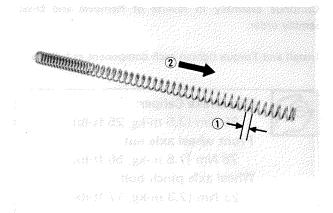
Type:

SAE 10W30 Motor Oil



• Fork spring

When installing the fork spring, the greater pitch (1) should be at the bottom ②.



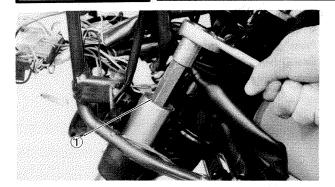
### Install:

- Cap bolt
- Front fork

(→Under bracket)

### Tighten:

Under bracket pintch bolts



Torque tighten:



Cap Bolt ①: 23 Nm (2.3 m·kg, 17ft·lb)

Loosen:

Under bracket pintch bolts

Install:

Front fork

(→ Handle crown)

NOTE:

Be sure the inner fork tube end is flush with the top of the Handle Crown.

Torque tighten:



Handle crown pintch bolt ①:
20 Nm (2.0 m·kg, 14 ft·lb)
Under bracket pintch bolt ②:
23 Nm (2.3 m·kg, 17 ft·lb)

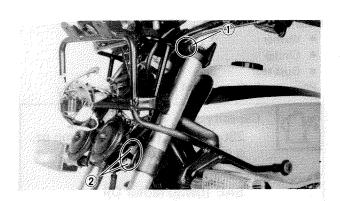
Continue assembly in reverse of Removal and Disassembly order.

Install and Torque tighten each component as follows:

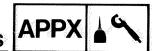


Disc Brake Caliper: 35 Nm (3.5 m·kg, 25 ft·lb) Front wheel axle nut: 78 Nm (7.8 m·kg, 50 ft·lb)

Wheel axle pinch bolt: 23 Nm (2.3 m·kg, 17 ft·lb)



# **GENERAL SPECIFICATIONS**



# **SPECIFICATIONS**

# I. GENERAL SPECIFICATIONS

Model code number		45T		
Frame starting number		45T-000101	<u>- an, Onaz wowi</u> Ban Haara wyy <sup>n</sup>	1. 5. 1. 5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Engine starting number		1	ใช การใช้เลสมากครุม I	era a estago destri
Dimensions:	1997 A. S. C. C. State State Super-State Super-	7.7 (207) (3.7 (27 (27 (27 (27 (27 (27 (27 (27 (27 (2		20.0 ( 2 - 2.
Overall length		2,190 mm (86.2	in)	
Overall width		735 mm (28.9		
Overall height		1,245 mm (49.0		
Seat height		790 mm (31.1 i		
Wheelbase		1,480 mm (58.3 i		
Minimum ground clearance	-5.13 	150 mm ( 5.9 i	1926	
Weight:				
With oil and full fuel tank		242 kg (534 lb)		
Minimum turning radius	· · · · · · · · · · · · · · · · · · ·	2,900 mm (114.2	! in)	<u> </u>
Engine:				
Engine type		D.O.H.C., air-coo	led gasoline	
Cylinder arrangement			parallel 4-cylinder	te sale osti
Displacement		749 cm <sup>3</sup> (45.69 cm <sup>3</sup>		
Bore x Stroke	JBM F TORGE	65.0 x 56.5 mm (	•	
Compression ratio		9.8 : 1	2.000 X 2.22 1 111)	
Compression pressure	- 沙·//// (2)	ner serr protocologic	(8 0 ~ 12 0 kg/cm	$n^2$ , 114 $\sim$ 171 psi)
Starting system	- мед 36 - Песанда, 5.3 - мед 86 - Песандар 8.3	Electric	10.0 12.0 kg/cm	r var rati i famologije dva
- · · · · · · · · · · · · · · · · · · ·				
			d wat eum n	erezai/i roi 84 (i wł Wi
Lubrication system  Engine oil type or grade	: 80 कि.स. १८ है। स्टब्स्ट के स्टब्स्ट स्टब्स संदर्भ के स्टब्स्ट के स्टब्स्ट के स्टब्स	Pressure lubricate	60°F	V40 type SE motor oil
Lubrication system	erg 36 Frang 2 6.9 erg 54 Frang 2 8.3	Pressure lubricate	60°F SAE 20V	V40 type SE motor oil V30 type SE motor oil
Lubrication system	: 80 कि.स. १८ है। स्टब्स्ट के स्टब्स्ट स्टब्स संदर्भ के स्टब्स्ट के स्टब्स्ट के स्टब्स	Pressure lubricate 30°F 40°F 50°F	60°F SAE 20V	V40 type SE motor oil V30 type SE motor oil
Lubrication system  Engine oil type or grade	: 80 कि.स. १८ है। स्टब्स्ट के स्टब्स्ट स्टब्स संदर्भ के स्टब्स्ट के स्टब्स्ट के स्टब्स	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C	SAE 20V SAE 10V 15°C	V40 type SE motor oil V30 type SE motor oil
Lubrication system  Engine oil type or grade  Engine oil capacity:	: EQ 경인 (* matgd 전 원 보이 되는 (* estigd at a 보다 3년 (* e etgel d 원 보다 3년 (* e etgel d 원	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C	60°F SAE 20V SAE 10V 15°C , 2.6 US qt)	V40 type SE motor oil  V30 type SE motor oil
Engine oil type or grade  Engine oil capacity: Periodic oil change	: EQ 경인 (* matgd 전 원 보이 되는 (* estigd at a 보다 3년 (* e etgel d 원 보다 3년 (* e etgel d 원	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2.5 L (2.2 Imp qt	50°F SAE 20V SAE 10V S	V40 type SE motor oil V30 type SE motor oil
Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement	i eng 80 - Francis 6.9 i ett sam i etnings ett s i en sam i ennepe ett i en sam i ennepe ett	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2,5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 2.5 Imp qt, 2.6 Imp qt, 2.	50°F SAE 20V SAE 10V S	V40 type SE motor oil V30 type SE motor oil
Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount	i eng 80 - Francis 6.9 i ett sam i etnings ett s i en sam i ennepe ett i en sam i ennepe ett	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2,5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 2.5 Imp qt, 2.6 Imp qt, 2.	SAE 20V SAE 10V 15°C , 2.6 US qt) , 3.0 US qt) , 3.8 US qt)	V40 type SE motor oil  V30 type SE motor oil  **The state of the state
Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil:	i eng 80 - Francis 6.9 i ett sam i etnings ett s i en sam i ennepe ett i en sam i ennepe ett	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2.5 L (2.2 Imp qt, 2.8 L (3.2 Imp qt, 3.6 L (3.2 Imp qt, 3.2 L (3.2 Imp qt, 3	SAE 20V SAE 10V 15°C , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oi	V40 type SE motor oil V30 type SE motor oil विकास के स्वास के स्व
Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type	eng 80 Francis 6.8  ROSE Francis 6.9  ROSE Francis 6.9  ROSE Francis 6.9  ROSE Francis 6.9	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2.5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 3.2 Imp qt, 3.6 L (3.2 Imp qt, 3.2 Imp qt, 3.6 L (3.2 Imp qt, 3.2 I	SAE 20V SAE 10V 15°C , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oi	V40 type SE motor oil V30 type SE motor oil  ***********************************
Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount	eng 80 Francis 6.8  ROSE Francis 6.9  ROSE Francis 6.9  ROSE Francis 6.9  ROSE Francis 6.9	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2.5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (3.2 Imp qt, 0.2 L (0.18 Imp q	SAE 20V SAE 10V 15°C , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oi	V40 type SE motor oil  V30 type SE motor oil  ***********************************
Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount  Air filter Fuel:	eng 80 Francis 6.8  ROSE Francis 6.9  ROSE Francis 6.9  ROSE Francis 6.9  ROSE Francis 6.9	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2,5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 0.2 L (0.18 Imp qt,	SAE 20V SAE 10V 15°C , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oi	V40 type SE motor oil  V30 type SE motor oil  **Control of the set to the set
Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount  Air filter	ERG BB Freshed BB RESTREAMENT BB RES	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2,5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 0.2 L (0.18 Imp qt) Dry type element  Regular gasoline	SAE 20V SAE 10V 15°C  , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oint, 0.21 US qt)	V40 type SE motor oil  V30 type SE motor oil  **Commodate
Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount  Air filter  Fuel: Type	THE PROPERTY OF SECURITY OF SE	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2,5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 0.2 L (0.18 Imp qt,	SAE 20V SAE 10V 15°C  , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oi tt, 0.21 US qt)  gal, 5.81 US gal)	V40 type SE motor oil  V30 type SE motor oil  **Control of the second of
Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount  Air filter  Fuel: Type Tank capacity	THE PROPERTY OF SECURITY OF SE	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2.5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 0.2 L (0.18 Imp qt,	SAE 20V SAE 10V 15°C  , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oi tt, 0.21 US qt)  gal, 5.81 US gal)	V40 type SE motor oil V30 type SE motor oil  alourosses  anenes  anene
Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount  Air filter  Fuel: Type Tank capacity Reserve amount	TEG #0 Tenatg # 6.9  HO SHE HERRY END HO SHE HORRE # 6.9  HO SHE H	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2.5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (0.18 Imp qt) Dry type element  Regular gasoline 22.0 L (4.84 Imp 5.0 L (1.10 Imp)	SAE 20V SAE 10V 15°C  , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oi tt, 0.21 US qt)  gal, 5.81 US gal)	V40 type SE motor oil  V30 type SE motor oil  alourosiss  annual  annu
Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount  Air filter  Fuel: Type Tank capacity Reserve amount  Carburetor:	ERG BO FRINCE S.S.  ROSE FRINC	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2.5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (0.18 Imp qt, 0.2 L (1.10 Imp 5.0 L (1.10 Imp	SAE 20V SAE 10V 15°C  , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oi tt, 0.21 US qt)  gal, 5.81 US gal)	V40 type SE motor oil V30 type SE motor oil  dispersions  and the second second  respectively and the s
Engine oil type or grade  Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount  Air filter  Fuel: Type Tank capacity Reserve amount  Carburetor: Type Manufacturer	ERG BO FRINCE S.S.  ROSE FRINC	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2,5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (0.18 Imp qt)  Pry type element  Regular gasoline  22.0 L (4.84 Imp 5.0 L (1.10 Imp)  HSC33 x 4	SAE 20V SAE 10V 15°C  , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oi tt, 0.21 US qt)  gal, 5.81 US gal)	V40 type SE motor oil  V30 type SE motor oil  alourodess  ansats  ansa
Engine oil type or grade  Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount  Air filter  Fuel: Type Tank capacity Reserve amount  Carburetor: Type Manufacturer  Spark plug:	TERM BO TERRANDES ES EN ACTUAL	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2.5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (0.18 Imp qt, 3.6 L (0.18 Imp qt, 3.6 L (1.10 Imp 5.0 L (1.10 Imp 4.84 Imp 5.0 L (1.10 Imp	SAE 20V SAE 10V 15°C  , 2.6 US qt) , 3.0 US qt) , 3.8 US qt) 4" Hypoid gear oi tt, 0.21 US qt)  gal, 5.81 US gal)	V40 type SE motor oil  V30 type SE motor oil  alovarolises  ansatis  rous salaus sanot f  anisoversol  anisov
Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount  Air filter  Fuel: Type Tank capacity Reserve amount  Carburetor: Type Manufacturer  Spark plug: Type	THE PARTY OF THE PROPERTY OF THE PARTY OF TH	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2,5 L (2.2 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (0.18 Imp qt, 3.6 L (0.18 Imp qt, 3.6 L (1.10 Imp)  Begular gasoline  22.0 L (4.84 Imp 5.0 L (1.10 Imp)  HSC33 x 4  HITACHI  BPR8ES	60°F SAE 20V SAE 10V 15°C  , 2.6 US qt) , 3.0 US qt) , 3.8 US qt)  4" Hypoid gear oi t, 0.21 US qt)  gal, 5.81 US gal) gal, 1.32 US gal)	V40 type SE motor oil  V30 type SE motor oil  story of the series and the series
Engine oil type or grade  Engine oil type or grade  Engine oil type or grade  Engine oil capacity: Periodic oil change Oil filter replacement Total amount  Final gear oil: Grade or type Final gear case oil amount  Air filter  Fuel: Type Tank capacity Reserve amount  Carburetor: Type Manufacturer  Spark plug:	THE PARTY OF THE PROPERTY OF THE PARTY OF TH	Pressure lubricate  30°F 40°F 50°F  0°C 5°C 10°C  2.5 L (2.2 Imp qt, 2.8 L (2.5 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (3.2 Imp qt, 3.6 L (0.18 Imp qt, 3.6 L (0.18 Imp qt, 3.6 L (1.10 Imp 5.0 L (1.10 Imp 4.84 Imp 5.0 L (1.10 Imp	SAE 20V SAE 10V 15°C  , 2.6 US qt) , 3.0 US qt) , 3.8 US qt)  4" Hypoid gear oi tt, 0.21 US qt)  gal, 5.81 US gal) gal, 1.32 US gal)	V40 type SE motor oil  V30 type SE motor oil  alovandees  annesse



		7일 연극 전 전 1 경우 수 있던 Hay 보다 지수 열 나면 타겠다며
Transmission:		
Primary reduction system	Spur gear 97/58 (1.672)	
Primary reduction ratio	97/58 (1.672)	NO ME HANDMAN
Secondary reduction system	Shaft drive	
Secondary reduction		santa a Republicada
Transmission output Type/teeth/ratio	Spur gear, 48/37 (1.297)	
Middle gear case Type/teeth/ratio	Bevel gear, 19/18 (1.055)	
Final gear case Type/teeth/ratio	Bevel gear, 32/11 (2.909)	
Transmission type	Constant mesh, 5-speed drum shift	er andenskal
Operation	Left foot operation	
Gear ratio: 1st	35/16 (2.187)	
2nd	30/20 (1.500)	
3rd	30/26 (1.153)	
4th [57]	28/30 (0.933)	
<b>5th</b>	26/32 (0.812)	
Chassis:		and the state of t
	Tubular steel double cradle	
Frame type Caster angle		tor but not been no staff.
Caster arigie	All performance and the second	and the second s
Trail	73114 mm (4.49 m)	nation grain aux remainséille.
Tire:	:	
Tire type engloses to the	Tubeless	
Tire size (F)	100/90 V 18	
Tire size (R) ///// 世界語像	120/90 V 18	
Manufacturer va 825. S = 855. S = 855. S = 855.	BRIDGESTONE, PIRELLI	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tire pressure:	(Cold pressure)	an in a constitution of the
Up to 90 kg (198 lb) load* (F)	226 kPa (2.3 kg/cm <sup>2</sup> , 32 psi)	
(R)	245 kPa (2.5 kg/cm <sup>2</sup> , 36 psi)	
001-11001-114	and the control of th	
YU KO (198 ID) Maximum load (F)	245 kPa (2.5 kg/cm <sup>4</sup> , 36 psi)	
90 kg (198 lb) Maximum load* (F)	245 kPa (2.5 kg/cm <sup>2</sup> , 36 psi) 284 kPa (2.9 kg/cm <sup>2</sup> , 42 psi)	
(R)	284 kPa (2.9 kg/cm², 42 psi)	
(R)	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi)	
(R) High-speed ringing (F)	284 kPa (2.9 kg/cm², 42 psi)	
(R) High-speed ringing (F) (R)	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi)	
(R) High-speed ringing (F) (R) *Total weight of accessories, etc. excpeting motorcycle	284 kPa (2.9 kg/cm <sup>2</sup> , 42 psi) 245 kPa (2.5 kg/cm <sup>2</sup> , 36 psi) 284 kPa (2.9 kg/cm <sup>2</sup> , 42 psi)	economic na sul e l'issa en especial.
(R) High-speed ringing (F) (R) *Total weight of accessories, etc. exceeting motorcycle Brake:	284 kPa (2.9 kg/cm <sup>2</sup> , 42 psi) 245 kPa (2.5 kg/cm <sup>2</sup> , 36 psi) 284 kPa (2.9 kg/cm <sup>2</sup> , 42 psi)	erose a suel la engal
(R) High-speed ringing (F) (R) *Total weight of accessories, etc. exceeting motorcycle  Brake: Front brake type	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi) Dual hydraulic disc	economic na sul e l'issa en especial.
(R) High-speed ringing (F) (R) *Total weight of accessories, etc. exceeting motorcycle  Brake: Front brake type Operation	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi) Dual hydraulic disc Right hand	स्टब्स्ट एवं ज्यान्ति हैं देश स्टब्स्ट्रिस हैं स्टब्स्ट्रिस हैं के स्टब्स्ट्रिस हैं स्टब्स्ट्रिस हैं के स्टब्स्ट्रिस हैं क्टब्स्ट्रिस ज्याना का स्टब्स हैं
High-speed ringing (F)  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc	echology no only little medically  - Moneyma (no onlegation)
High-speed ringing (F)  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot	echologica antict tou electronic antices. Il superiore and selectronic and sel
High-speed ringing (F)  *Total weight of accessories, etc. exceeting motorcycle  Brake: Front brake type Operation Rear brake type Operation Suspension:	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot	enger in more tour england.  engen of the england o
High-speed ringing (F)  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation Suspension: Front suspension	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork	The second secon
High-speed ringing (F)  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation Suspension:	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot	ender in antel too endoud.  enderson too enderson  enderson too enderson  enderson too enderson  enderson too
High-speed ringing  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation Suspension: Front suspension	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork	economica de como servicio de contra de como servicio de contra de como servicio del como servicio de como s
High-speed ringing (F) (R) *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension Shock absorber:	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm	ences or substitut seeden 18. see
High-speed ringing (F) (R) *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension Shock absorber: Front shock absorber	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm	ences or substitut seeden 18. see
High-speed ringing  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension Shock absorber: Front shock absorber Rear shock absorber	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm  Oil damper, and coil spring	ences or substitut seeden 18. see
High-speed ringing  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension Shock absorber: Front shock absorber Rear shock absorber Wheel travel:	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm  Oil damper, and coil spring Oil damper, and coil spring	The special services of the se
High-speed ringing  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension  Shock absorber: Front shock absorber Rear shock absorber Wheel travel: Front wheel travel	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm  Oil damper, and coil spring Oil damper, and coil spring	The special series of the configuration of the conf
High-speed ringing (F) (R) *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension Shock absorber: Front shock absorber Rear shock absorber Wheel travel: Front wheel travel Rear wheel travel	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm  Oil damper, and coil spring	The second secon
High-speed ringing  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension Rear shock absorber Front shock absorber Rear shock absorber  Wheel travel: Front wheel travel Rear wheel travel Electrical:	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm  Oil damper, and coil spring Oil damper, and coil spring Oil damper, and coil spring	The second secon
High-speed ringing  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension Rear shock absorber Front shock absorber Rear shock absorber Wheel travel: Front wheel travel Rear wheel travel Electrical: Ignition system	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm  Oil damper, and coil spring Oil damper, and coil spring Homm (5.9 in) Homm (3.9 in)  Battery ignition (Full transistor ignition)	The second secon
High-speed ringing  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension Rear shock absorber Front shock absorber Rear shock absorber Wheel travel: Front wheel travel Rear wheel travel Electrical: Ignition system Generator system	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm  Oil damper, and coil spring Oil damper, and coil spring 150 mm (5.9 in) 100 mm (3.9 in)  Battery ignition (Full transistor ignal. C. generator	A CONTROL OF THE STATE OF THE S
High-speed ringing  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension Shock absorber: Front shock absorber Rear shock absorber Wheel travel: Front wheel travel Rear wheel travel Electrical: Ignition system Generator system Battery type or model	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm  Oil damper, and coil spring Oil damper, and coil spring 150 mm (5.9 in) 100 mm (3.9 in)  Battery ignition (Full transistor ign A.C. generator YB14L	ATTHERM TO MARKET TO MARKET AND
High-speed ringing (F)  *Total weight of accessories, etc. excepting motorcycle  Brake: Front brake type Operation Rear brake type Operation  Suspension: Front suspension Rear suspension Rear suspension  Shock absorber: Front shock absorber Rear shock absorber Wheel travel: Front wheel travel Rear wheel travel Electrical: Ignition system Generator system	284 kPa (2.9 kg/cm², 42 psi) 245 kPa (2.5 kg/cm², 36 psi) 284 kPa (2.9 kg/cm², 42 psi)  Dual hydraulic disc Right hand Single hydraulic disc Right foot  Telescopic fork Swingarm  Oil damper, and coil spring Oil damper, and coil spring 150 mm (5.9 in) 100 mm (3.9 in)  Battery ignition (Full transistor ignal. C. generator	The second secon

# **GENERAL SPECIFICATIONS**

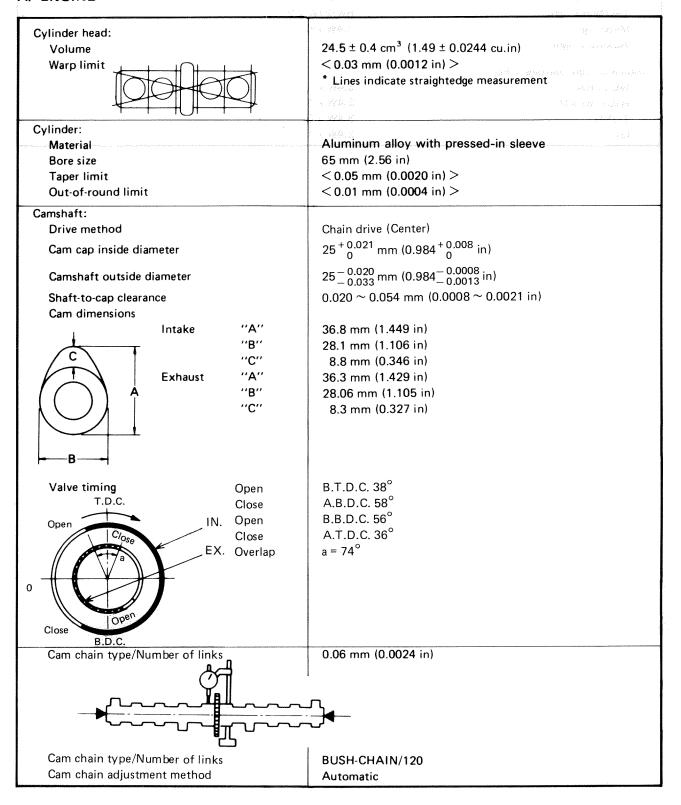


NEKAL SP	ECIFICATIONS AFFA
60W/55W x 1 27W x 4 8W/27W x 2 3.4W x 6 4W x 1	englet espect to the second of
3.4W x 1 3.4W x 1 3.4W x 2 3.4W x 1	
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erre d. Fo voi frest voir frest voir S. P.C. er Self, P.G. voir S. d.	
	60W/55W x 1 27W x 4 8W/27W x 2 3.4W x 6 4W x 1 3.4W x 1 3

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# II. MAINTENANCE SPECIFICATIONS

# A. ENGINE



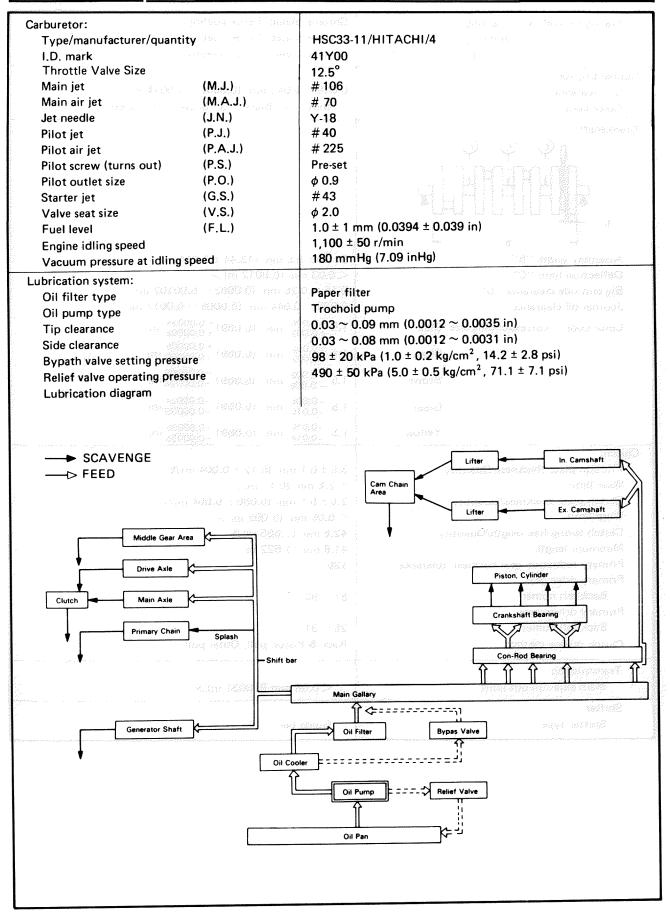


		<u>y y a substanting y a substan</u>
Valve, Valve seat, Valve guide: Valve clearance (Cold)	IN. EX.	0.11 ~ 0.15 mm (0.0043 ~ 0.0059 in) 0.16 ~ 0.20 mm (0.0063 ~ 0.0079 in)
Valve dimensions		2 4
"A" Head Dia. Face	"B"	"C" Seat Width Margin Thickness
"A" Head dia.	IN. szásál EX.	34 ± 0.1 mm (1.34 ± 0.004 in) (2.16 3.20 for the transfer of the contract of t
"B" Face width	IN.	2.3 mm (0.091 in)
· · · · · · · · · · · · · · · · · · ·	EX.	2.3 mm (0.091 in)
"C" Seat limit width	IN.	1 ± 0.1 mm (0.039 ± 0.004 in)
	EX.	1 ± 0.1 mm (0.039 ± 0.004 in)
"D" Margin thickness limit	IN.	1.2 ± 0.2 mm (0.0472 ± 0.008 in)
	EX.	1.0 ± 0.2 mm (0.0394 ± 0.008 in)
Stem outside diameter	TÍN. GOG ST	7 -0.010 mm (0.2756 -0.0004 in)
174жа венел	EX.	7 -0.025 -0.0010 7 -0.040 mm (0.2756 -0.0016 in)
Guide inside diameter	IN.	7 +0.012 mm (0.2756 +0.0005 in)
	EX.	7 <sup>+0.012</sup> mm (0.2756 <sup>+0.0005</sup> in)
Stem-to-guide clearance	IN. EX.	0.010 ~ 0.037 mm (0.0004 ~ 0.0015 in) 0.025 ~ 0.052 mm (0.0010 ~ 0.0020 in)
Stem runout limit		< 0.03 mm (0.0012 in) >
الم	3 5 5 6 6 1 A	#1 461.0% 1 on S
	atterna e e e e	1286
	417 \$825.57 S	
	<del>1                                    </del>	CATA CAR SERVICE SERVICES AND
		gat nosth
Volvo and widely at the state of		Constant and the consta
Valve seat width standard < Limit >	Dah G	0.9 ~ 1.1 mm (0.035 ~ 0.043 in)
110 1 32 54 42 - 2 - 2/2	<u>M. M. man I.</u> d.	< 2.0 mm (0.080 in) >
Valve spring:	1.01 ma 14.0	i file 3 gaer teati
Free length		
Inner spring		35.9 mm (1.413 in)
Outor and a	EX.	35.9 mm (1.413 in)
Outer spring	IIV.	39.5 mm (1.555 in) 39.5 mm (1.555 in)
Spring rate	EA.	39.5 mm (1.555 ln)
Inner spring	IN.	K <sub>1</sub> : 2.36 kg/mm (132 lb/in) K <sub>2</sub> : 1.84 kg/mm (103 lb/in)
	EX.	$K_1: 2.36 \text{ kg/mm} (132 \text{ lb/in})$ $K_2: 1.84 \text{ kg/mm} (103 \text{ lb/in})$ $K_1: 2.36 \text{ kg/mm} (132 \text{ lb/in})$ $K_2: 1.84 \text{ kg/mm} (103 \text{ lb/in})$
Outer spring	IN. 000.01 /	$K_1 : 4.58 \text{ kg/mm} (103 \text{ lb/in})$ $K_2 : 3.464 \text{ kg/mm} (104 \text{ lb/in})$
(20.4월.) · · · · · · · · · · · · · · · · · · ·	EX.	$K_1 : 4.58 \text{ kg/mm} (256 \text{ lb/in})  K_2 : 3.464 \text{ kg/mm} (194 \text{ lb/in})$
Compression length (Valve closed)	s. (m) \$400 at a	(1) 12 . 3.404 kg/mm (200 lb/m) 1/2 . 3.404 kg/mm (134 lb/m)
Inner spring	in.	31.0 mm (1.220 in)
. •	EX.	31.0 mm (1.220 in)
Outer spring	IN.	34.0 mm (1.339 in)
	EX.	34.0 mm (1.339 in)
Compression force (Valve closed)	er <b>2</b> 6047.771 - 654	#0 0 >
Inner spring	IN.	8.1 ~ 9.9 kg (17.9 ~ 21.8 lb)
	EX.	8.1 ~ 9.9 kg (17.9 ~ 21.8 lb)
Outer spring	IN.	17.6 ~ 20.6 kg (38.8 ~ 45.4 lb)
	EX.	17.6 ~ 20.6 kg (38.8 ~ 45.4 lb)

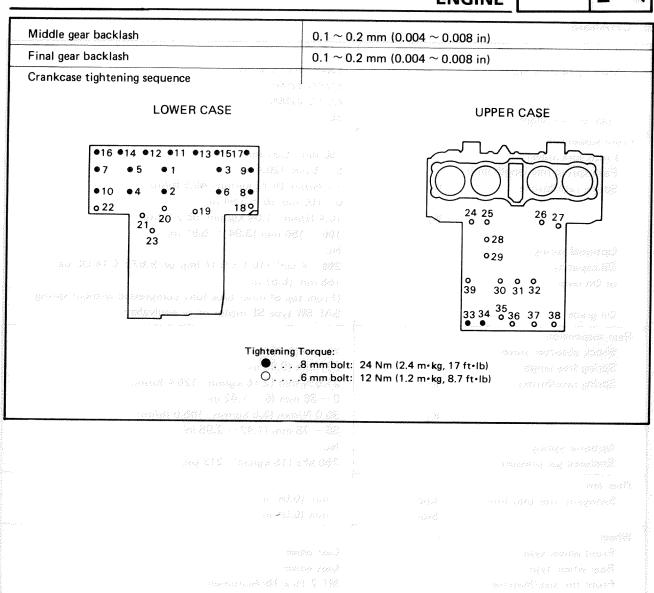
Tilt limit Inner spring Outer spring	IN. & EX. (1445) IN. & EX. (1445)	31 - 1 32 - 2 - 13	2.5°/1.7 mm (0.067 in) 2.5°/1.7 mm (0.067 in)	ating mensik inak seka ti sengti tanit inak unaka ni uti sengtise dinak sana
mentan <del>ja a</del>	77777777777	44.44, 178	ggird - Other even f	
Direction of winding	(Top view)	76 () nesd.	まるよね。 Intake /出	Exhaust:
	eni 456.6 s 100 - 149.6 s 100 - 149.6 s 100 - 149.6 s		main 2.5 Outer (inner)	Outer
Piston:	::::: \$10.50	SEKEL maro i		0.007: 1
Piston size/Measuring	g point (A)	CSLOH sarge	65.0 mm (2.559 in)/7.8 mm ( (From bottom line of piston s	
;		RS.81 mmg	The state of the s	
[		(X31.48) (saeca)		
t	$-\Psi + 1$	45. <i>31 me</i> n		
Clearance between p	iston & Cylinder	enno 5.55 <u>0.25</u> como 5.86 24	0,03 ~ 0.05 mm (0.0012 ~ 0.0	0020 in)
Oversize	141	Magady and	- 65.50 mm (2.579 in) -	renger spekrikk vindelig
Piston pin hole off-se	4th et		66.00 mm (2.598 in) 0.5 mm (0.02 in) inside	
Piston ring:				
Sectional sketch	Top ring	Nak rit saras	$B = 1.2 \stackrel{-0.01}{_{-0.03}} \text{ mm } (0.0472 \stackrel{-0}{_{-0.03}})$	0.0004 in)
В		n 3890. na s	$T = 2.7 \pm 0.1 \text{ mm} (0.106 \pm 0.0)$	
	2nd ring		B = $1.2 \begin{array}{c} -0.01 \\ -0.03 \\ -0.03 \end{array}$ mm (0.0472 $\begin{array}{c} -0.01 \\ -0.03 \\ -0.03 \end{array}$	
	g	a. 57,8.15	T = 2.7 ± 0.1 mm (0.106 ± 0.0	
	Oil ring	an 612.5) 1918/26.5) 1128/28.43	B = 2.5 mm (0.098 in) T = 2.8 ± 0.15 mm (0.110 ± 0	.0059 in)
January 1				
End gap (Installed)	Top ring	Ci anarigul C Ci anarigul C	0.15 ~ 0.35 mm (0.0059 ~ 0.	0138 in)
Limit covers received and base is trained with manage 1885 is	2nd ring	i i markatirini K	<1.0 mm (0.039 in) > 0.15 ~ 0.35 mm (0.0059 ~ 0.	0138 in)
	Oil ring		<1.0 mm (0.039 in) > 0.3 ~ 0.9 mm (0.012 ~ 0.035 <1.5 mm (0.059 in) >	enterserve (version enterprise et en
Side clearance Limit	Top ring	10 575 11 11 600 11 300 4	0.03 ~ 0.07 mm (0.0012 ~ 0. < 0.15 mm (0.0059 in) >	
	2nd ring	. । दुर्श ५	0.02 ~ 0.06 mm (0.0008 ~ 0. < 0.15 mm (0.0059 in) >	2 2269 V f 30 Auf - MARION DARROS 5 0024 in)



Plating or coating Top ring 2nd ring Oil ring	Chrome plated, Ferox coating Chrome plated, Ferox coating Chrome plated, Ferox coating
Connecting rod:	18.97 Stickers Afford
Oil clearance	0.016 ~ 0.040 mm (0.0006 ~ 0.0016 in)
Color code	1. Blue, 2. Black, 3. Brown, 4. Green
Crankshaft:	544 1.0 g card
n© © ©	ANN TO THE CONTRACT OF THE CON
	Pacific Science (1996) 1000 (1996)
	8.00 : 0.51 year territor to 113
	SA Programmer 1. S. D. 1. San Francis (S. D.
<b>_ih</b> n nn nn n-ri_	CARD SARA STATE STATE OF THE SARAH
0 <del>  4   -</del>	
B single Gi	7.068/1 Secretar granter granter
Assembly width "B"	341.4 ± 0.6 mm (13.44 ± 0.024 in)
Deflection limit "C"	< 0.03 mm (0.0012 in) >
Big end side clearance "D"	0.16 ~ 0.26 mm (0.0063 ~ 0.00102 in)
Journal oil clearance	0.020 ~ 0.044 mm (0.0008 ~ 0.0017 in)
Color code — corresponding size Blue	1.5 +0.006 mm (0.0591+0.00024 in)
ere 8.5. C.L.V. Francis Black (4.1) eres	1.5 +0.002 mm (0.0591+0.00008 in)
vos १८६१ (६ Tarchad हैं कि किस्ते) हफिर्ड Brown	$1.5 = 0.002 \atop -0.006 $ mm $(0.0591 = 0.00024 $ in)
Green	1.5 -0.006 mm (0.0591-0.00024 in)
Yellow	1.5 -0.010 mm (0.0591 -0.00039 in)
Clutch: Friction plate thickness/Quantity Wear limit Clutch plate thickness/Quantity Warp limit Clutch spring free length/Quantity Minimum length Primary reduction gear backlash tolerance Primary drive gear Backlash numer Primary driven gear Backlash numer Clutch release method	$3.0 \pm 0.1 \text{ mm } (0.12 \pm 0.004 \text{ in})/8$ $< 2.8 \text{ mm } (0.11 \text{ in}) >$ $2.0 \pm 0.1 \text{ mm } (0.080 \pm 0.004 \text{ in})/7$ $< 0.05 \text{ mm } (0.002 \text{ in}) >$ $42.8 \text{ mm } (1.685 \text{ in})/5$ $41.8 \text{ mm } (1.622 \text{ in})$ $120$ $87 \sim 93$ $25 \sim 31$ Rack & Piston pull, Outer pull
Transmission:	<0.00 (0.0021 :-\ \
Main axle run-out limit	< 0.08 mm (0.0031 in) >
Shifter: Shifter type	Guide bar







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Hell Skitcher (1379ka), so recycles.		
	as Holling and JESSE	

# B. CHASSIS

	ta i serie i i i i i	to the state of th
Steering system: Steering bearing type	dese es a .	Taper roller bearing  KOYO 32005  KOYO 32006  35°
Lock-to-lock angle		35
Front suspension: Front fork travel Fork spring free length limit Spring rate/Stroke  Optional spring Oil capacity or Oil level Oil grade	K <sub>1</sub>	150 mm (5.91 in) 517.5 mm (20.4 in) 7.2 N/mm (0.72 kg/mm, 40.3 lb/in)/ $0 \sim 100$ mm ( $0 \sim 3.94$ in) $10.4$ N/mm ( $1.04$ kg/mm, 58.2 lb/in)/ $100 \sim 150$ mm ( $3.94 \sim 5.91$ in) No. $286 \pm 4$ cm <sup>3</sup> ( $10.1 \pm 0.14$ Imp oz, $9.67 \pm 0.14$ US oz) $168$ mm ( $6.61$ in) (From top of inner tube fully compressed without spring) SAE 5W type SE motor oil or equivalent
Rear suspension:	,	
	NE GENERAL WELLES E BARTELL SIGNAL SE	75 mm (2.95 in) 237 mm (9.33 in) 21.5 N/mm (2.15 kg/mm, 120.4 lb/in)/ 0 ~ 36 mm (0 ~ 1.42 in)
ta falsi mendensi masa masa pangka minda dan pengangan kana serina ngila mengalimin serina masa masa masa masa	K <sub>2</sub>	30.0 N/mm (3.0 kg/mm, 168.0 lb/in)/ 36 ~ 75 mm (1.42 ~ 2.95 in)
Optional spring Enclosed gas pressure		No. 150 kPa (15 kg/cm <sup>2</sup> , 213 psi)
Rear arm:		
Swingarm free play limit	End Side	1 mm (0.04 in) 1 mm (0.04 in)
Wheel: Front wheel type Rear wheel type Front rim size/Material Rear rim size/Material Rim runout limit	Vertical Lateral	Cast wheel Cast wheel MT 2.15 x 18/Aluminum MT 2.75 x 18/Aluminum < 1.0 mm (0.04 in) > < 0.5 mm (0.02 in) >
Disc brake:		
Type Outside dia. x Thickness	Front Rear Front Rear	Dual disc Single disc 267 x 7.5 mm (10.5 x 0.30 in) 267 x 8.5 mm (10.5 x 0.33 in)
Pad thickness	Front Rear	5.5 mm (0.22 in) 5.5 mm (0.22 in)
Limit*	Front Rear	<0.5 mm (0.020 in) > <0.5 mm (0.020 in) >
	_	45.05 (0.00.)
Master cylinder inside dia.	Front Rear	15.87 mm (0.62 in) 12.7 mm (0.50 in)
Caliper cylinder inside dia.	Front Rear	42.85 mm (1.69 in) 42.85 mm (1.69 in)
Brake fluid type		DOT #3





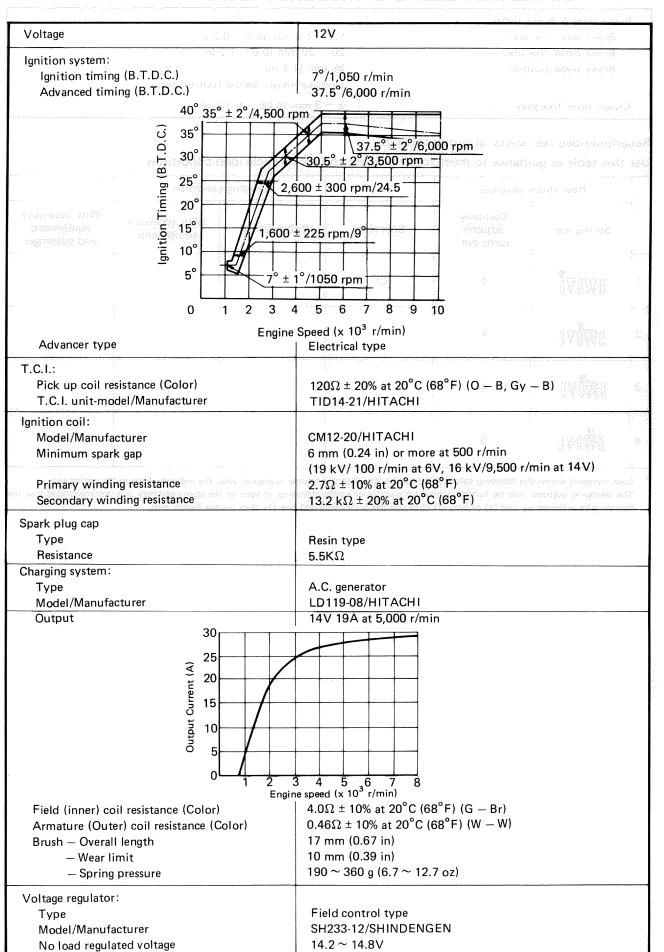
Brake lever & Brake pedal:	
Brake lever free play	5.0 ~ 8.0 mm (0.2 ~ 0.3 in)
Brake pedal free play	20 ~ 30 mm (0.8 ~ 1.2 in)
Brake pedal position	30 mm (1.2 in)
	(Vertical height below footrest top.)
Clutch lever free play	2 ~ 3 mm (0.08 ~ 0.12 in)

Recommended rear shock absorber settings.

Use this table as guidance to meet specific riding and motorcycle load conditions.

	Rear shock absorber		Loading condition			
	Spring seat	Damping adjuster turns out*	Solo rider	With passenger	With accessory equipments	With accessory equipments and passenger
1	OWO VĬ	6	an and security and the second security			
2	0 <b>~</b> 0 <b>~</b> 0	4	1		m No.	siyyi ususanlah,
3	0 <b>₩</b> 0 <b>∀</b> 0		04 0 792 on 1885, 1 od 1992/1885 ESEG		เราะสอ <b>อ</b> ัตระสตเทศ เลาะเลียส์สีรัสตเทียร์ได้	
4	0₩0∇0	<b>3</b>	Heskik i terpang-ala Masim sa Iral 48,189 ma			Consenting

Each numeral shows the damping value which can be set when the pointer is aligned with the individual slit in the spring seat.
The damping adjuster may be further turned for a softer or harder damping; in each of the above settings, it is recommended that the damping be adjusted by one (1) or two (2) clicks on the softer side and one (1) click on the harder side.





Rectifier:		settitas 1 mileseAd - 4	
Model/Manufacturer	SH233-12/SHINDENGEN		
Capacity	35A		
Withstand voltage	320V		
Battery:		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Capacity	12V 14AH		
Specific gravity	1,280	(१८८८ असस्टि <i>र -</i> दे	
Electric starter system:	Constant mesh type	ক্রান্ত্রিক ব্যক্তর্ভার	
Starter motor — Model/Manufacturer	ADB4D2/NIPPONDENSO		
<ul><li>Output</li></ul>	0.6 kW		
Armature coil resistance	$0.014\Omega \pm 6\%$ at $20^{\circ}$ C (68°F)		
Brush-overall length	12 mm (0.47 in)		
Limit (2007)	< 8.5 mm (0.33 in) >		
Spring pressure	800 ± 150 g (28.22 ± 5.29 oz)		
Commutator dia.	28 mm (1.1 in)		
Wear limit	<27 mm (1.06 in) >		
Mica undercut	0.6 ± 0.2 mm (0.024 ± 0.008 in)		
Starter switch manufacturer	HONDA LOCK		
Amperage rating	/150A		
Coil winding resistance	3.4Ω at 20°C (68°F)		
Horn:			
Type/Quantity	Plane type/2		
Model/Manufacturer	CF-12/NIKKO		
Maximum-amperage	2.5A		
Flasher relay:		For Germamy	
Туре	Condenser type	Tramsistor type	
Model/Manufacturer	FU249CD/NIPPONDENSO	FJ245ED/NIPPONDENSO	
Self cancelling device	YES	NO	
Flasher frequency	85 ± 10 cycle/min	—————————————————————————————————————	
Wattage	21W × 2 + 3.4W	<u>←</u>	
Self-cancelling unit			
Model/Manufacturer	1A0/MATSUSHITA		
Oil level switch:			
Manufacturer	NIPPONDENSO		
Fuel gauge:	<u> </u>		
Manufacturer	NIPPON SEIKI		
Sender unit resistance – Full	$7\Omega \pm 70\%$ at $20^{\circ}$ C (68°F)		
— Empty	$95\Omega \pm 80\%$ at 20°C (68°F)		
Starting circuit cut off relay:			
Model/Manufacturer	12R/OMRON		
Coil winding resistance	$75\Omega \pm 10\%$ at 20°C (68°F)		
Circuit breaker:	. 552 - 1070 41 20 0 (00 1 )		
Type	Fuse		
Amperage for individual circuit:			
Main	30A/1		
Headlight	20A/1		
Signal	10A/1		
Ignition	10A/1		
Reserve	30A/1 and 20A/1		
	SUAVE BIIU ZUAVE		



# **CABLE ROUTING**

