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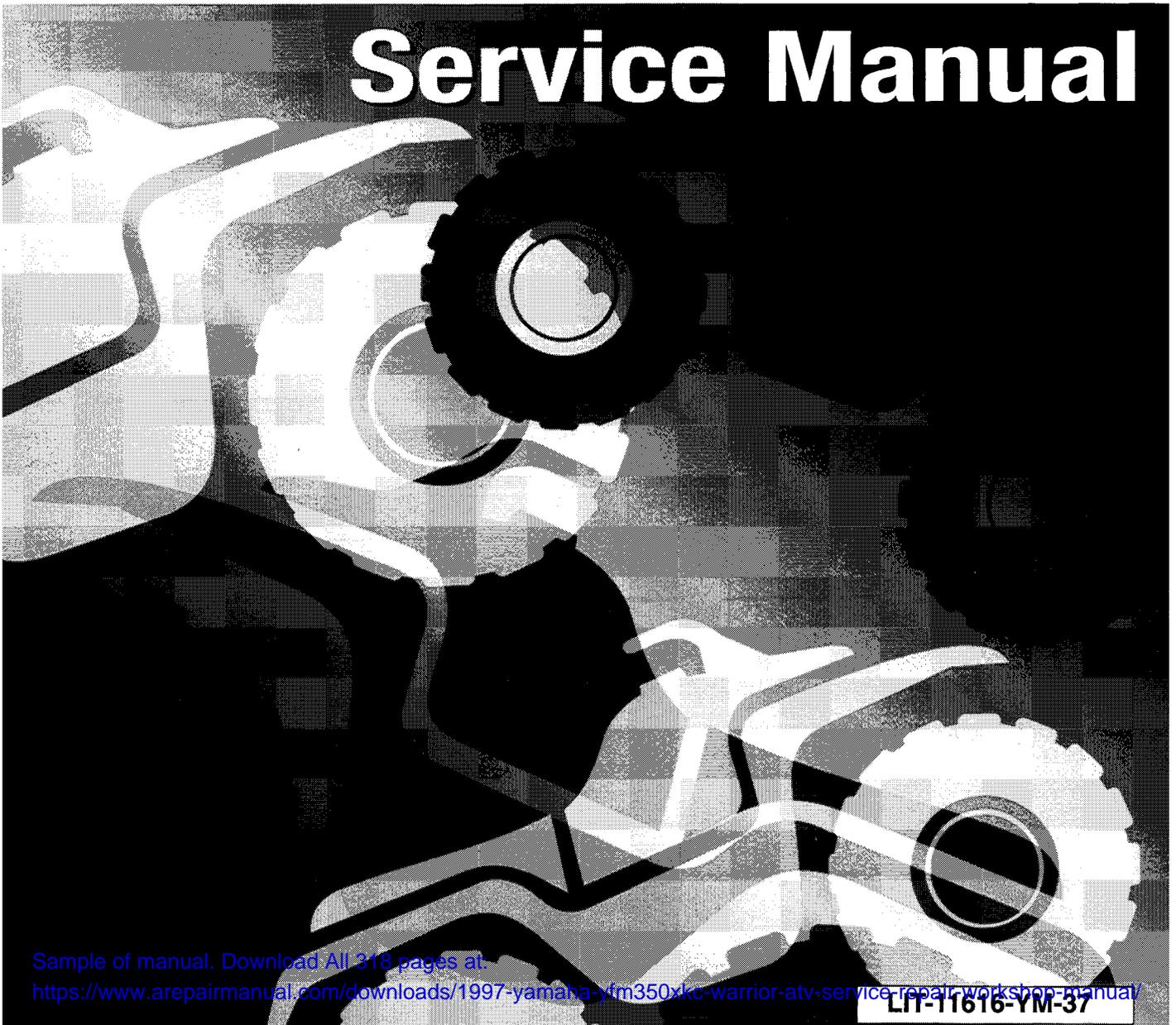
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YAMAHA

YFM350X WARRIOR

Service Manual



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LIT-11616-YM-37

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YAMAHA

YFM350XKC

(for California)

SUPPLEMENTARY SERVICE MANUAL

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LIT-11616-10-89

3GD-28197-15

FOREWORD

This Supplementary Service Manual has been prepared to introduce new service and data for the YFM350XKC. For complete service information procedures, it is necessary to use this Supplementary Service Manual together with the following manual.

YFM350XA SERVICE MANUAL (LIT-11616-07-50)
YFM350XE SUPPLEMENTARY SERVICE MANUAL (LIT-11616-08-60)
YFM350XJ SUPPLEMENTARY SERVICE MANUAL (LIT-11616-10-28)

**YFM350XKC
SUPPLEMENTARY
SERVICE MANUAL**
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permission of Yamaha Motor Corporation, U.S.A.
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LIT-11616-10-89

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Yamaha Motor Company, Ltd. is continually striving to improve all its models. Modifications and significant changes in specifications or procedures will be forwarded to all authorized Yamaha dealers and will appear in future editions of this manual where applicable.

NOTE: _____
Designs and specifications are subject to change without notice.

IMPORTANT INFORMATION

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The Safety Alert Symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

WARNING

Failure to follow WARNING instructions could result in severe injury or death to the machine operator, a bystander or a person inspecting or repairing the machine.

CAUTION

A CAUTION indicates special precautions that must be taken to avoid damage to the machine.

NOTE: A NOTE provides key information to make procedures easier or clearer.

HOW TO USE THIS MANUAL

MANUAL ORGANIZATION

This manual is intended as a handy, easy-to-read reference book for the mechanic. It is divided into chapters, sections and sub-sections. Comprehensive explanations of all installation, removal, disassembly, assembly, repair and inspection procedures are laid out with the individual steps in sequential order.

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④ : Lines of asterisks (*) mark the beginning and end of a particularly important procedure. The steps of such procedures are marked with bullets (•).

⑤ : Important information such as fluids, special tools and torques are framed and marked with a corresponding symbol.

⑥ : A circled number refers to an illustrated part.

⑦ : A circled lower case letter refers to an illustrated dimension or alignment mark.

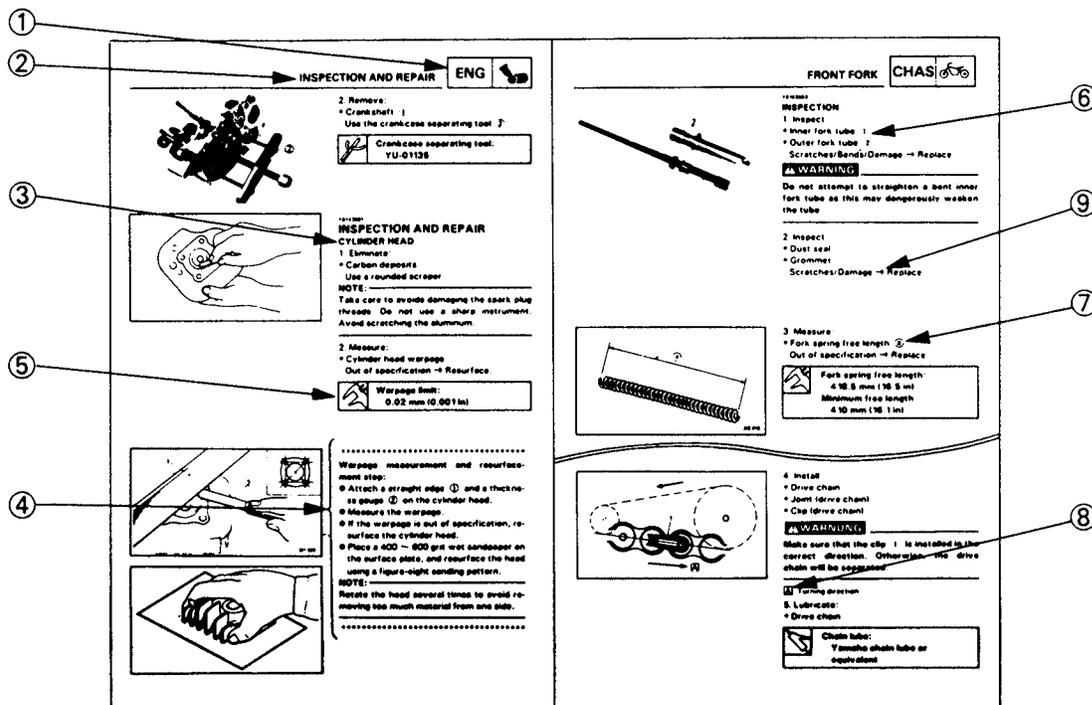
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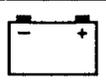
⑨ : An arrow mark after a given defect suggests the recommended course of action.

† : In Chapter 3, "Periodic Inspection and Adjustment", it is usually the current sub-section title that appears at the top of each page, instead of the current section title.

EXPLODED DIAGRAMS

To help identify parts and clarify procedure steps, there are exploded diagrams at the start of each disassembly section.



① GEN INFO 	② SPEC 
③ INSP ADJ 	④ ENG 
⑤ CARB 	⑥ DRIV 
⑦ CHAS 	⑧ ELEC 
⑨ TRBL SHTG ?	⑩ 
⑪ 	⑫ 
⑬ 	⑭ 
⑮ 	⑯ 
⑰ 	⑱ 
⑳ 	㉑ 
㉒ 	㉓ 

ILLUSTRATED SYMBOLS

Illustrated symbols ① to ⑨ are printed on the top right of each page and indicate the subject of each chapter.

- ① General information
- ② Specifications
- ③ Periodic inspections and adjustments
- ④ Engine
- ⑤ Carburetion
- ⑥ Drive train
- ⑦ Chassis
- ⑧ Electrical
- ⑨ Troubleshooting

Illustrated symbols ⑩ to ⑯ are used to identify the specifications appearing in the text.

- ⑩ Filling fluid
- ⑪ Lubricant
- ⑫ Special tool
- ⑬ Torque
- ⑭ Wear limit, clearance
- ⑮ Engine speed
- ⑯ Ω , V, A

Illustrated symbols ⑰ to ㉒ in the exploded diagrams indicate the types of lubricants and lubrication points.

- ⑰ Apply engine oil
- ⑱ Apply gear oil
- ⑲ Apply molybdenum disulfide oil
- ㉑ Apply wheel bearing grease
- ㉒ Apply lightweight lithium-soap base grease
- ㉓ Apply molybdenum disulfide grease

Illustrated symbols ㉔ to ㉕ in the exploded diagrams indicate where to apply a locking agent ㉔ and when to install a new part ㉕.

- ㉔ Apply the locking agent (LOCTITE®)
- ㉕ Replace

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**GENERAL SPECIFICATIONS/
MAINTENANCE SPECIFICATIONS**

SPEC



SPECIFICATIONS

GENERAL SPECIFICATIONS

Model	YFM350XKC
Model code:	3GDM

MAINTENANCE SPECIFICATIONS

ENGINE

Model	YFM350XKC
Carburetor:	
I. D. mark	3GD 10
Main jet (M.J)	#145
Main air jet (M.A.J)	0.6
Jet needle (J.N)	5J31
Needle jet (N.J)	O-6M
Pilot air jet (P.A.J.1)	1.0
Pilot air jet (P.A.J.2)	0.7
Pilot outlet (P.O)	0.75
Pilot jet (P.J)	#42.5
Bypass 1 (B.P.1)	0.8
Bypass 2 (B.P.2)	0.8
Bypass 3 (B.P.3)	0.8
Pilot screw (P.S)	2
Valve seat size (V.S)	2.5
Starter jet (G.S.1)	#62.5
Throttle valve size (Th.V)	#125
Float height (F.H)	11.4 ~ 13.4 mm (0.45 ~ 0.53 in)
Fuel level (F.L)	2 ~ 3 mm (0.08 ~ 0.12 in)
Engine idle speed	1,450 ~ 1,550 r/min
Intake vacuum	30.7 kPa (0.307 kg/cm ² , 4.4 psi)

PERIODIC INSPECTIONS AND ADJUSTMENTS

INTRODUCTION

This chapter includes all information necessary to perform recommended inspections and adjustments. These preventive maintenance procedures, if followed, will ensure more reliable machine operation and a longer service life. In addition, the need for costly overhaul work will be greatly reduced. This information applies to machines already in service as well as new machines that are being prepared for sale. All service technicians should be familiar with this entire chapter.

PERIODIC MAINTENANCE/LUBRICATION

ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 year
Valves*	<ul style="list-style-type: none"> • Check valve clearance. • Adjust if necessary. 	○		○	○	○
Spark plug	<ul style="list-style-type: none"> • Check condition. • Adjust gap and clean. • Replace if necessary. 	○	○	○	○	○
Air filter	<ul style="list-style-type: none"> • Clean. • Replace if necessary. 	Every 20~40 hours (More often in wet or dusty areas.)				
Carburetor*	<ul style="list-style-type: none"> • Check and adjust idle speed/starter operation. • Adjust if necessary. 		○	○	○	○
Crankcase breather system*	<ul style="list-style-type: none"> • Check breather hose for cracks or damage. • Replace if necessary. 			○	○	○
Exhaust system*	<ul style="list-style-type: none"> • Check for leakage. • Retighten if necessary. • Replace gasket if necessary. 			○	○	○
Fuel line*	<ul style="list-style-type: none"> • Check fuel hose for cracks or damage. • Replace if necessary. 			○	○	○
Engine oil	<ul style="list-style-type: none"> • Replace (Warm engine before draining.) 	○		○	○	○
Engine oil filter	<ul style="list-style-type: none"> • Clean. • Replace if necessary. 			○	○	○
Engine oil strainer	<ul style="list-style-type: none"> • Clean. 	○		○		○
Drive chain	<ul style="list-style-type: none"> • Check and adjust slack/alignment/clean/lube. 	○	○	○	○	○
Brake*	<ul style="list-style-type: none"> • Check operation/fluid leakage/See NOTE. • Correct if necessary. 	○	○	○	○	○
Clutch*	<ul style="list-style-type: none"> • Check operation. • Adjust if necessary. 	○		○	○	○
Wheels*	<ul style="list-style-type: none"> • Check balance/damage/runout. • Replace if necessary. 	○		○	○	○
Wheel bearings*	<ul style="list-style-type: none"> • Check bearing assembly for looseness/damage. • Replace if damaged. 	○		○	○	○
Steering system*	<ul style="list-style-type: none"> • Check operation. • Repair if damaged. • Check toe-in. • Adjust if necessary. 	○	○	○	○	○
Upper and lower arm pivot and steering shaft*	<ul style="list-style-type: none"> • Lubricate every 6 months.** 			○	○	○
Rear arm pivot*	<ul style="list-style-type: none"> • Lubricate every 6 months.** 			○	○	○

PERIODIC MAINTENANCE/LUBRICATION



ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 year
Fittings and Fasteners*	<ul style="list-style-type: none"> • Check all chassis fittings and fasteners. • Correct if necessary. 	<input type="radio"/>				
Battery*	<ul style="list-style-type: none"> • Check specific gravity. • Check breather pipe for proper operation. • Correct if necessary. 	<input type="radio"/>				

* : It is recommended that these items be serviced by a Yamaha dealer.

** : Lithium soap base grease.

NOTE: _____

Brake fluid replacement:

1. When disassembling the master cylinder or caliper cylinder, replace the brake fluid.
Normally check the brake fluid level and add fluid as required.
2. On the inner parts of the master cylinder and caliper cylinder, replace the oil seals every two years.
3. Replace the brake hoses every four years, or if cracked or damaged.

⚠ WARNING _____

Indicates a potential hazard that could result in serious injury or death.

YAMAHA

YFM350XJ

**SUPPLEMENTARY
SERVICE MANUAL**

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LIT-11616-10-28

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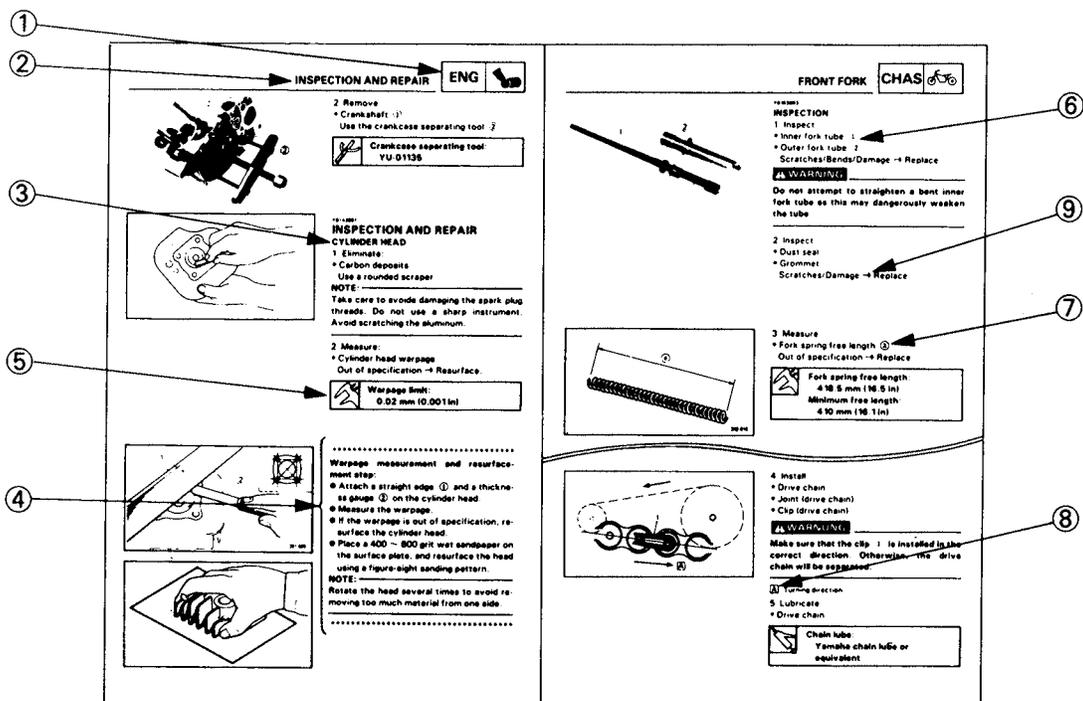
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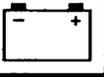
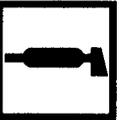
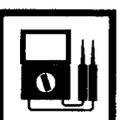
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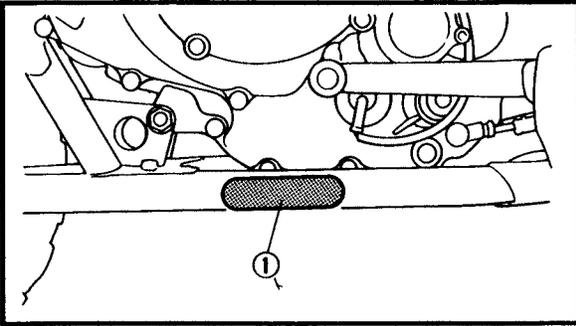
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GENERAL INFORMATION

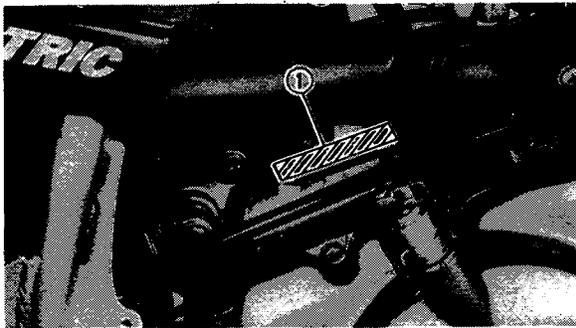
MACHINE IDENTIFICATION

VEHICLE IDENTIFICATION NUMBER

The vehicle identification number ① is stamped into the left side of the frame.

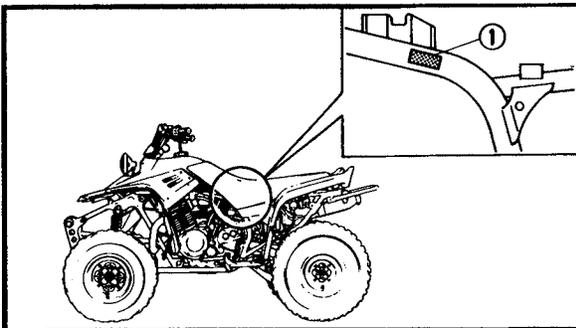
NOTE:

The vehicle identification number is used to identify the machine and may be used to register the machine with a licensing authority.



ENGINE SERIAL NUMBER

The engine serial number ① is stamped into the right side of the frame.



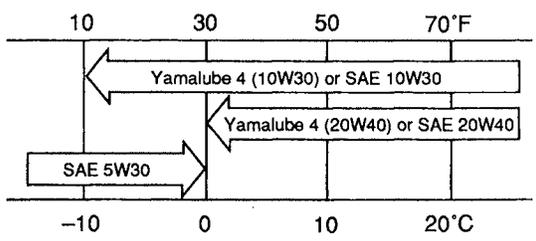
MODEL LABEL

The model label ① is affixed to the frame. This information will be needed to order spare parts.

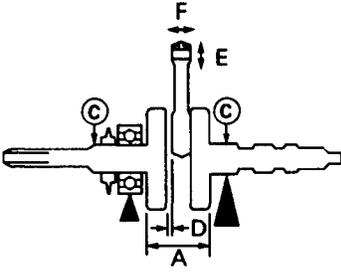


SPECIFICATIONS

GENERAL SPECIFICATIONS

Model	YFM350X																						
Model code:	3GDK																						
Engine:	Air-cooled 4-stroke, SOHC Forward-inclined single cylinder Displacement 348 cm ³ Bore × stroke 83.0 × 64.5 mm (3.27 × 2.54 in) Compression ratio 9.2:1 Compression pressure (STD) 850 kPa (8.5 kg/cm ² , 121 psi) at 350 r/min Starting system Electric and recoil starter																						
Oil type or grade:	Engine oil  Yamalube 4 or SAE10W30 type SE motor oil, or SAE20W40 type SE motor oil																						
Tire:	<table border="0"> <tr> <td>Type</td> <td colspan="2">Tubeless</td> </tr> <tr> <td>Size</td> <td>front</td> <td>AT22 × 7-10</td> </tr> <tr> <td></td> <td>rear</td> <td>AT22 × 10-9</td> </tr> <tr> <td>Manufacturer</td> <td>front</td> <td>DUNLOP</td> </tr> <tr> <td></td> <td>rear</td> <td>DUNLOP</td> </tr> <tr> <td>Type</td> <td>front</td> <td>KT701</td> </tr> <tr> <td></td> <td>rear</td> <td>KT775B</td> </tr> </table>		Type	Tubeless		Size	front	AT22 × 7-10		rear	AT22 × 10-9	Manufacturer	front	DUNLOP		rear	DUNLOP	Type	front	KT701		rear	KT775B
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Tire pressure (cold tire):	<table border="0"> <tr> <td>Off-road riding</td> <td>front</td> <td>22 ~ 28 kPa (0.22 ~ 0.28 kg/cm², 3.13 ~ 3.98 psi)</td> </tr> <tr> <td></td> <td>rear</td> <td>22 ~ 28 kPa (0.22 ~ 0.28 kg/cm², 3.13 ~ 3.98 psi)</td> </tr> </table>		Off-road riding	front	22 ~ 28 kPa (0.22 ~ 0.28 kg/cm ² , 3.13 ~ 3.98 psi)		rear	22 ~ 28 kPa (0.22 ~ 0.28 kg/cm ² , 3.13 ~ 3.98 psi)															
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Brake:	<table border="0"> <tr> <td>Front brake</td> <td>type</td> <td>Disc brake</td> </tr> <tr> <td></td> <td>operation</td> <td>Right hand operation</td> </tr> <tr> <td>Rear brake</td> <td>type</td> <td>Disc brake</td> </tr> <tr> <td></td> <td>operation</td> <td>Left hand and right foot operation</td> </tr> </table>		Front brake	type	Disc brake		operation	Right hand operation	Rear brake	type	Disc brake		operation	Left hand and right foot operation									
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Bulb wattage × quantity:	<table border="0"> <tr> <td>Headlight</td> <td>12 V 30 W / 30 W × 2</td> </tr> <tr> <td>Taillight</td> <td>12 V 3.8 W × 1</td> </tr> <tr> <td>NEUTRAL</td> <td>12 V 3.4 W × 1</td> </tr> <tr> <td>REVERSE</td> <td>12 V 3.4 W × 1</td> </tr> </table>		Headlight	12 V 30 W / 30 W × 2	Taillight	12 V 3.8 W × 1	NEUTRAL	12 V 3.4 W × 1	REVERSE	12 V 3.4 W × 1													
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**MAINTENANCE SPECIFICATIONS
ENGINE**

Model	YFM350X																																																												
<p>Crankshaft:</p>  <p>Crank width "A" Runout limit "C" Big end side clearance "D" Big end radial clearance "E" Small end free play "F" <Limit></p>	<p>58.95 ~ 59.00 mm (2.321 ~ 2.323 in) 0.06 mm (0.0024 in) 0.35 ~ 0.85 mm (0.014 ~ 0.033 in) 0.010 ~ 0.025 mm (0.0004 ~ 0.0010 in) 0.8 ~ 1.0 mm (0.03 ~ 0.04 in) <2 mm (0.08 in)></p>																																																												
<p>Carburetor:</p> <table border="0"> <tr> <td>I. D. mark</td> <td></td> <td>3GD 00</td> </tr> <tr> <td>Main jet</td> <td>(M.J)</td> <td>#145</td> </tr> <tr> <td>Main air jet</td> <td>(M.A.J)</td> <td>0.6</td> </tr> <tr> <td>Jet needle</td> <td>(J.N)</td> <td>5J18-3</td> </tr> <tr> <td>Needle jet</td> <td>(N.J)</td> <td>O-6</td> </tr> <tr> <td>Pilot air jet</td> <td>(P.A.J.1)</td> <td>1.0</td> </tr> <tr> <td>Pilot air jet</td> <td>(P.A.J.2)</td> <td>0.7</td> </tr> <tr> <td>Pilot outlet</td> <td>(P.O)</td> <td>0.75</td> </tr> <tr> <td>Pilot jet</td> <td>(P.J)</td> <td>#42.5</td> </tr> <tr> <td>Bypass 1</td> <td>(B.P.1)</td> <td>0.8</td> </tr> <tr> <td>Bypass 2</td> <td>(B.P.2)</td> <td>0.8</td> </tr> <tr> <td>Bypass 3</td> <td>(B.P.3)</td> <td>0.8</td> </tr> <tr> <td>Pilot screw</td> <td>(P.S)</td> <td>2</td> </tr> <tr> <td>Valve seat size</td> <td>(V.S)</td> <td>2.5</td> </tr> <tr> <td>Starter jet</td> <td>(G.S.1)</td> <td>#62.5</td> </tr> <tr> <td>Throttle valve size</td> <td>(Th.V)</td> <td>#125</td> </tr> <tr> <td>Float height</td> <td>(F.H)</td> <td>11.4 ~ 13.4 mm (0.45 ~ 0.53 in)</td> </tr> <tr> <td>Fuel level</td> <td>(F.L)</td> <td>2 ~ 3 mm (0.08 ~ 0.12 in)</td> </tr> <tr> <td>Engine idle speed</td> <td></td> <td>1,450 ~ 1,550 r/min</td> </tr> <tr> <td>Intake vacuum</td> <td></td> <td>34 kPa (0.34 kg/cm², 4.8 psi)</td> </tr> </table>	I. D. mark		3GD 00	Main jet	(M.J)	#145	Main air jet	(M.A.J)	0.6	Jet needle	(J.N)	5J18-3	Needle jet	(N.J)	O-6	Pilot air jet	(P.A.J.1)	1.0	Pilot air jet	(P.A.J.2)	0.7	Pilot outlet	(P.O)	0.75	Pilot jet	(P.J)	#42.5	Bypass 1	(B.P.1)	0.8	Bypass 2	(B.P.2)	0.8	Bypass 3	(B.P.3)	0.8	Pilot screw	(P.S)	2	Valve seat size	(V.S)	2.5	Starter jet	(G.S.1)	#62.5	Throttle valve size	(Th.V)	#125	Float height	(F.H)	11.4 ~ 13.4 mm (0.45 ~ 0.53 in)	Fuel level	(F.L)	2 ~ 3 mm (0.08 ~ 0.12 in)	Engine idle speed		1,450 ~ 1,550 r/min	Intake vacuum		34 kPa (0.34 kg/cm ² , 4.8 psi)	
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ELECTRICAL

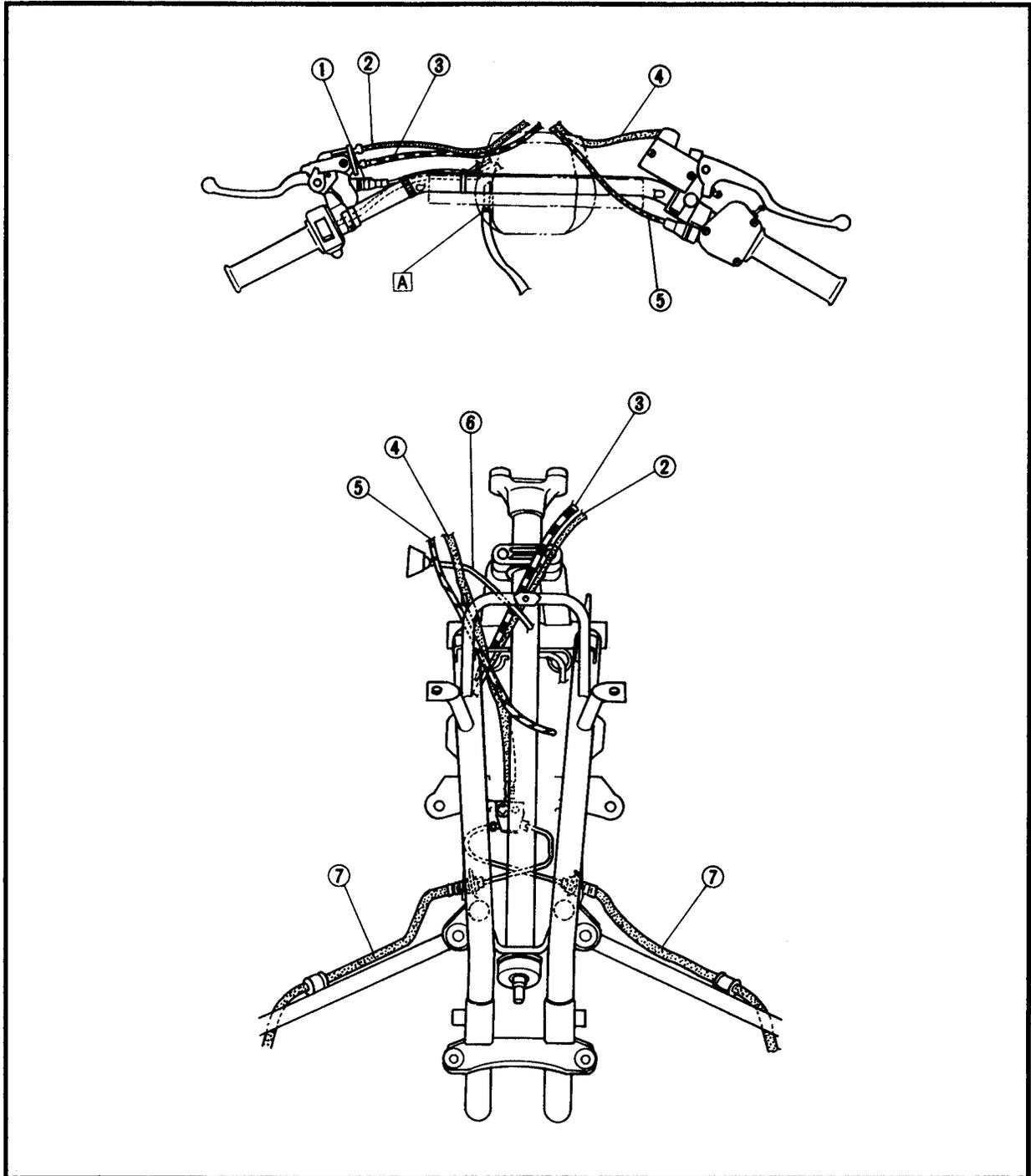
Model	YFM350X
C.D.I.: Magneto model / manufacturer Pickup coil resistance / color Source coil resistance / color C.D.I. unit model / manufacturer	F3T43573/MITSUBISHI 459 ~ 561 Ω at 20°C (68°F) / Red – White 270 ~ 330 Ω at 20°C (68°F) / Brown – Green F8T34271/MITSUBISHI
Voltage regulator: Type Model / manufacturer No lead regulated voltage	Semi conductor-short circuit type SH640A-12/SHINDENGEN 14.2 ~ 15.2 V
Rectifier: Model / manufacturer Capacity Withstand voltage	SH640A-12/SHINDENGEN 20 A 240 V



CABLE ROUTING

- ① Clutch switch
- ② Rear brake cable
- ③ Clutch cable
- ④ Front brake hose
- ⑤ Throttle cable
- ⑥ Main switch lead
- ⑦ Brake hose

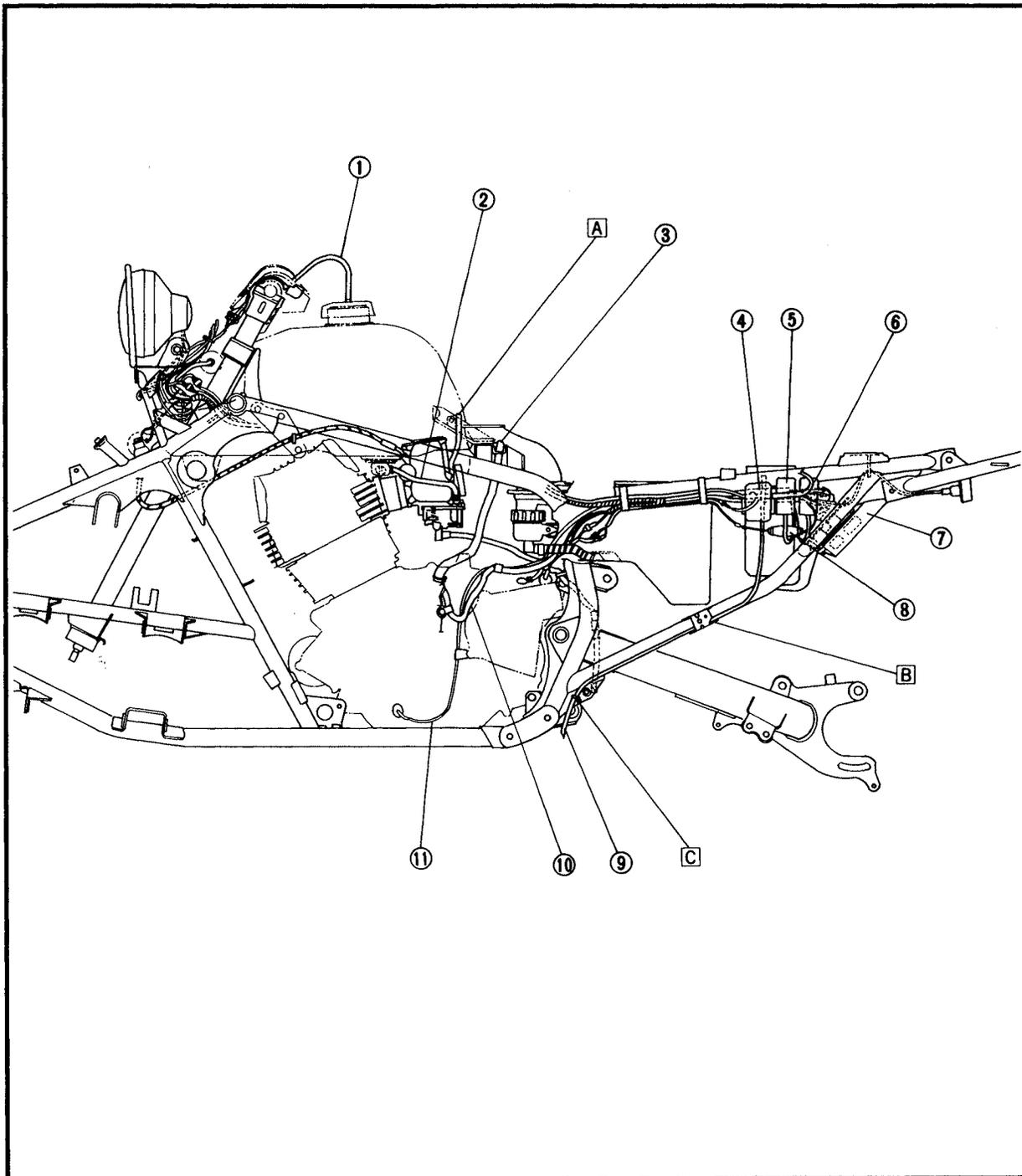
A Install the fuel tank breather hose into the hole of the handlebar cover.





- ① Fuel tank breather hose
- ② Fuel hose
- ③ Crankcase breather hose
- ④ Starter relay
- ⑤ Starting circuit cut-off relay
- ⑥ Neutral relay
- ⑦ CDI unit
- ⑧ Main fuse
- ⑨ Battery breather hose
- ⑩ CDI magneto lead
- ⑪ Neutral switch lead

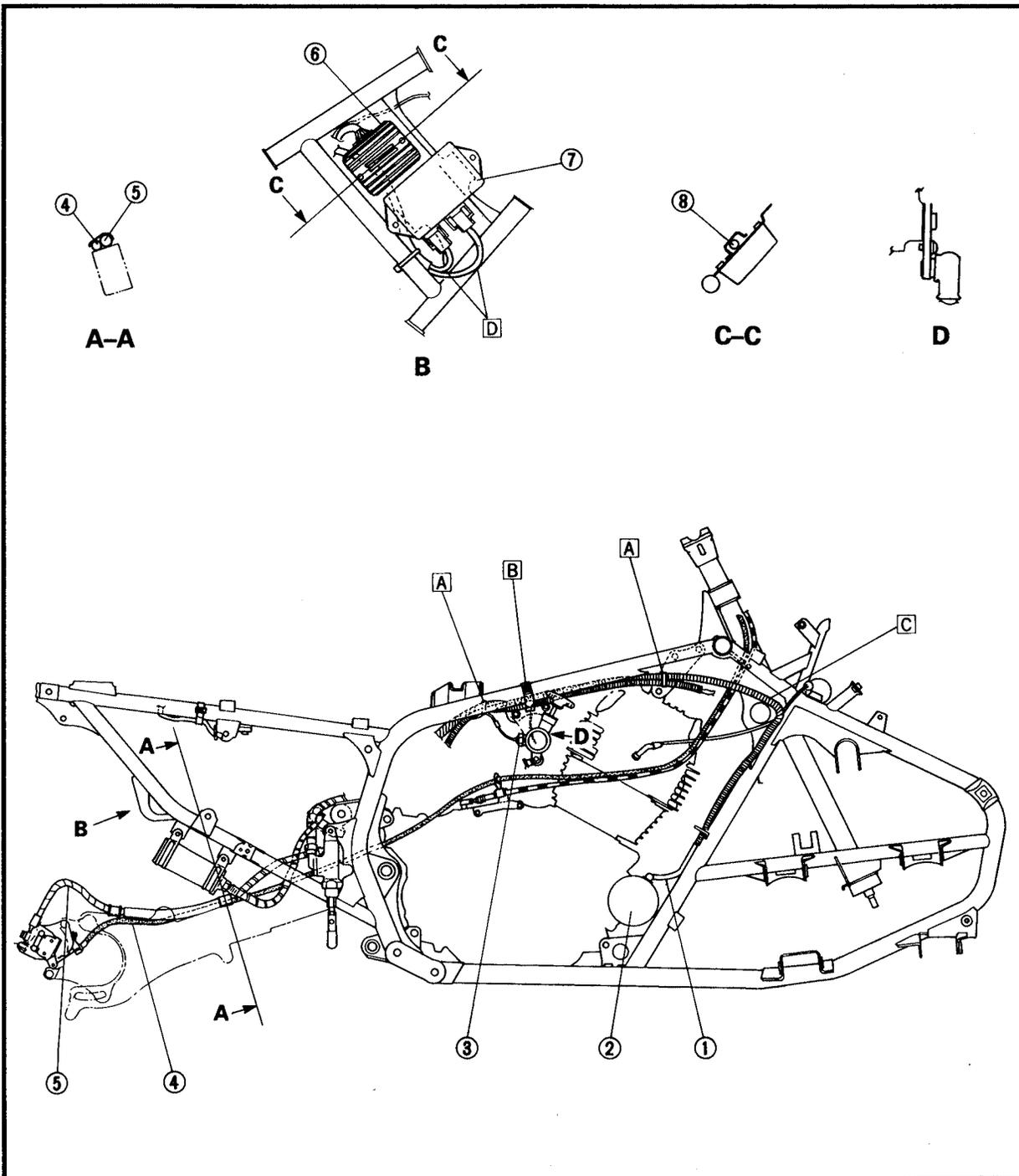
- [A] Pass the air vent hose through hole on the fuel tank rubber damper.
- [B] Pass the battery breather hose through the inside of frame bracket.
- [C] Pass the battery breather hose through the guide.





- ① Starter motor lead
- ② Starter motor
- ③ Lever switch
- ④ Rear brake cable
- ⑤ Rear brake hose
- ⑥ Rectifier/regulator
- ⑦ CDI unit
- ⑧ CDI unit lead

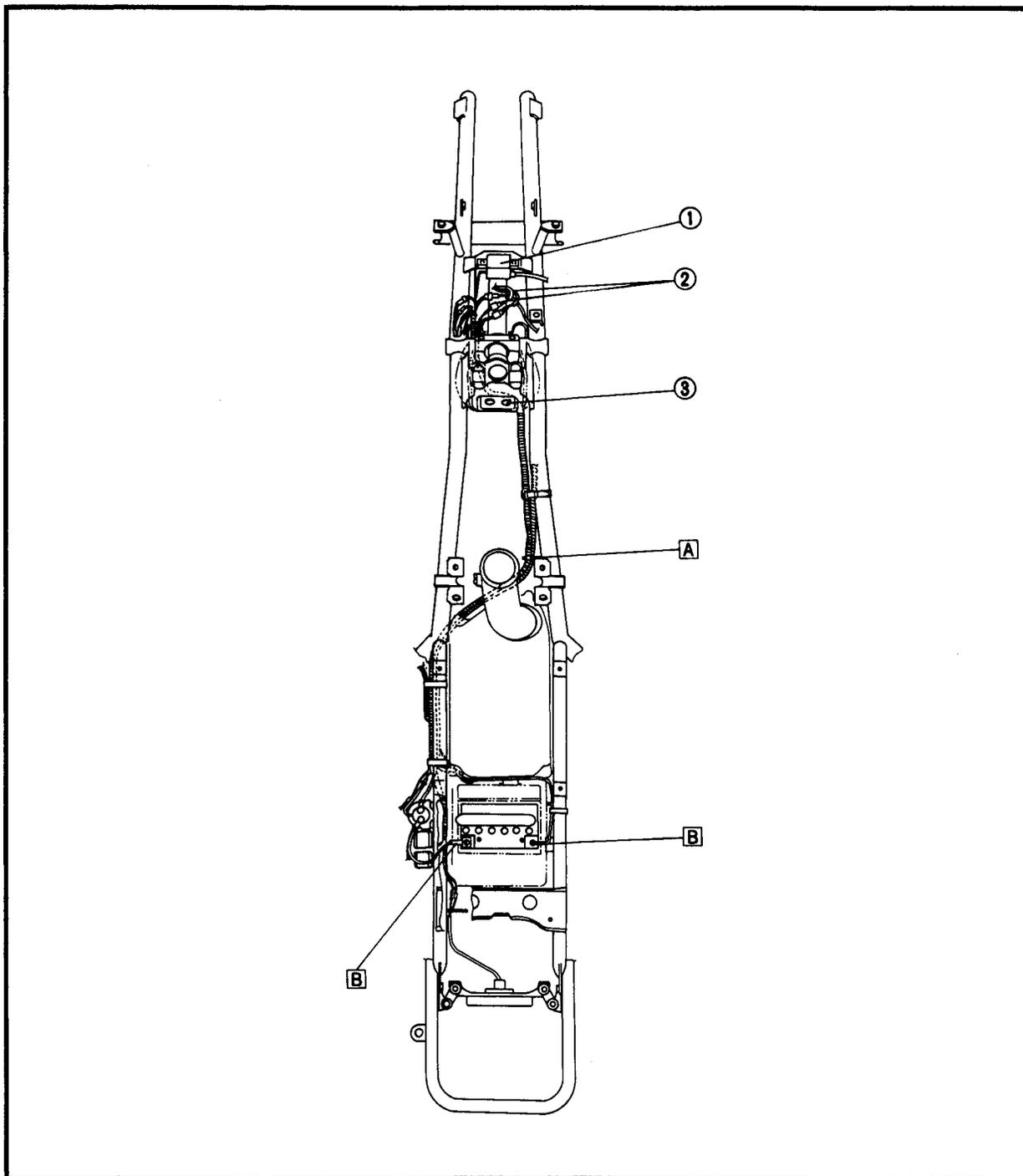
- A Pass the wire harness and starter motor lead through the holder.
- B Fasten the wire harness, starter motor lead and handlebar switch lead with the band.
- C Route behind the starter motor lead.
- D The leads should not protrude past the frame.





- ① Ignition coil
- ② Headlight lead
- ③ Neutral indicator light

- Ⓐ Align the marking tape on the wire harness with the clamp.
- Ⓑ Pass the battery leads through the hole on the rear fender.



PERIODIC INSPECTIONS AND ADJUSTMENTS

INTRODUCTION

This chapter includes all information necessary to perform recommended inspections and adjustments. These preventive maintenance procedures, if followed, will ensure more reliable machine operation and a longer service life. In addition, the need for costly overhaul work will be greatly reduced. This information applies to machines already in service as well as new machines that are being prepared for sale. All service technicians should be familiar with this entire chapter.

PERIODIC MAINTENANCE/LUBRICATION

ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 year
Valves*	<ul style="list-style-type: none"> • Check valve clearance. • Adjust if necessary. 	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spark plug	<ul style="list-style-type: none"> • Check condition. • Clean or replace if necessary. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air filter	<ul style="list-style-type: none"> • Clean. • Replace if necessary. 	Every 20~40 hours (More often in wet or dusty areas.)				
Carburetor*	<ul style="list-style-type: none"> • Check idle speed/starter operation. • Adjust if necessary. 		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fuel line*	<ul style="list-style-type: none"> • Check fuel hose for cracks or damage. • Replace if necessary. 			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engine oil	<ul style="list-style-type: none"> • Replace (Warm engine before draining). 	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engine oil filter	<ul style="list-style-type: none"> • Clean. • Replace if necessary. 			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engine oil strainer	<ul style="list-style-type: none"> • Clean. 	<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
Drive chain	<ul style="list-style-type: none"> • Check and adjust slack/alignment/clean/lube. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Brake*	<ul style="list-style-type: none"> • Check operation/fluid leakage/See NOTE. • Correct if necessary. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clutch*	<ul style="list-style-type: none"> • Check operation. • Adjust if necessary. 	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wheels*	<ul style="list-style-type: none"> • Check balance/damage/runout. • Replace if necessary. 	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wheel bearings*	<ul style="list-style-type: none"> • Check bearing assembly for looseness/damage. • Replace if damaged. 	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Steering system*	<ul style="list-style-type: none"> • Check operation. • Repair if damaged. • Check toe-in. • Adjust if necessary. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Upper and lower arm pivot and steering shaft*	<ul style="list-style-type: none"> • Lubricate every 6 months.*** 			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rear arm pivot*	<ul style="list-style-type: none"> • Lubricate every 6 months.*** 			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fittings/Fasteners*	<ul style="list-style-type: none"> • Check all chassis fittings and fasteners. • Correct if necessary. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Battery*	<ul style="list-style-type: none"> • Check specific gravity. • Check breather pipe for proper operation. • Correct if necessary. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* : It is recommended that these items be serviced by a Yamaha dealer.

***: Lithium soap base grease.



NOTE:

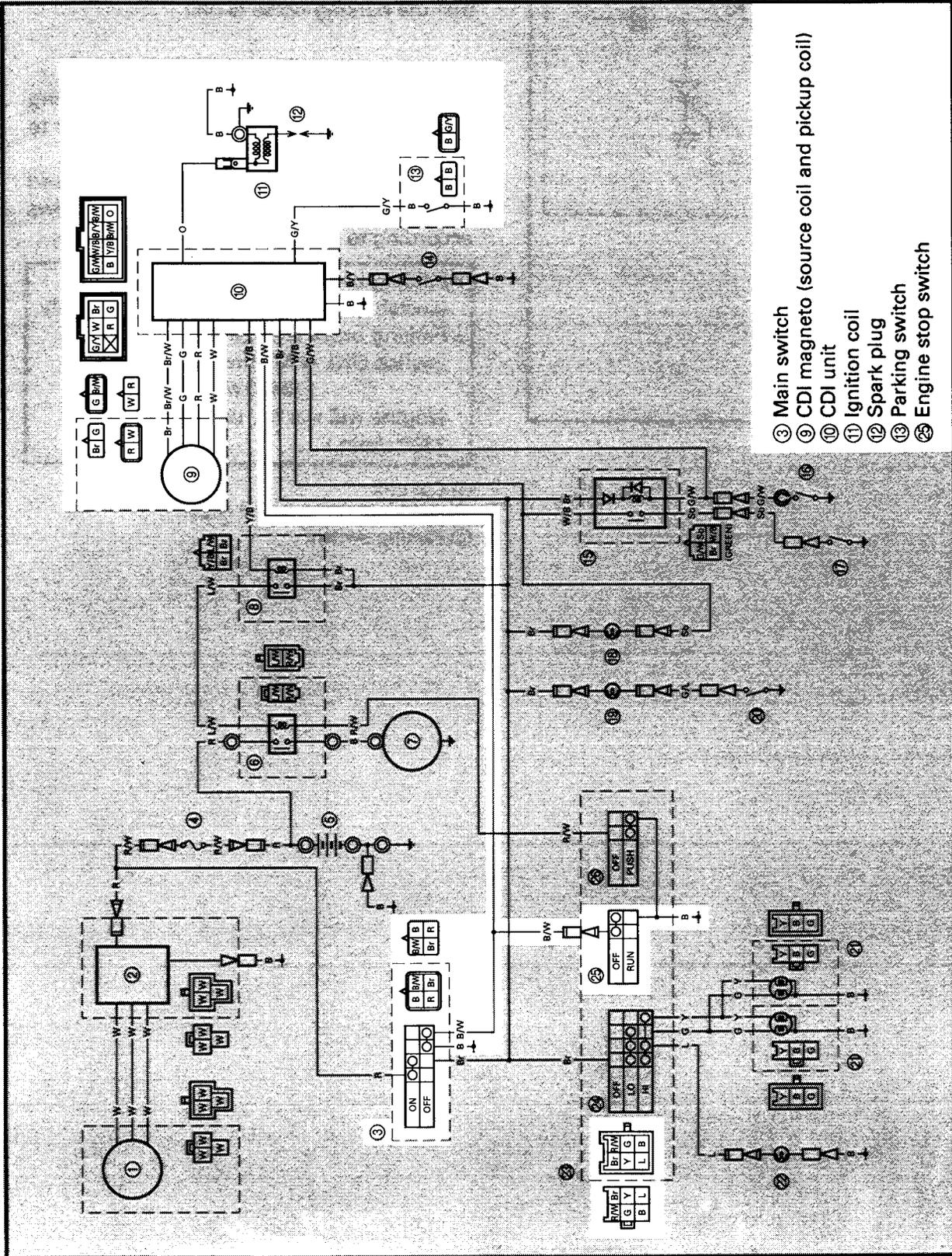
Brake fluid replacement:

1. When disassembling the master cylinder or caliper cylinder, replace the brake fluid. Normally check the brake fluid level and add fluid as required.
2. On the inner parts of the master cylinder and caliper cylinder, replace the oil seals every two years.
3. Replace the brake hoses every four years, or if cracked or damaged.

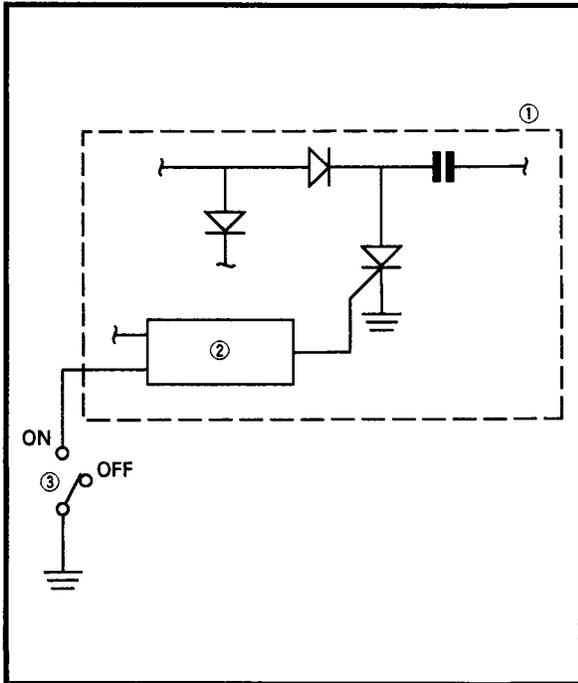
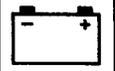


ELECTRICAL

IGNITION SYSTEM
CIRCUIT DIAGRAM



- ③ Main switch
- ⑨ CDI magneto (source coil and pickup coil)
- ⑩ CDI unit
- ⑪ Ignition coil
- ⑫ Spark plug
- ⑬ Parking switch
- ⑳ Engine stop switch



ENGINE REVOLUTION LIMITER SYSTEM

When the parking brake is applied, the engine revolution limiter system becomes activated, thereby letting the rider know that the parking brake is on.

System

A switch is newly provided on the parking brake lever on the left of the handlebar to sense the parking brake condition.

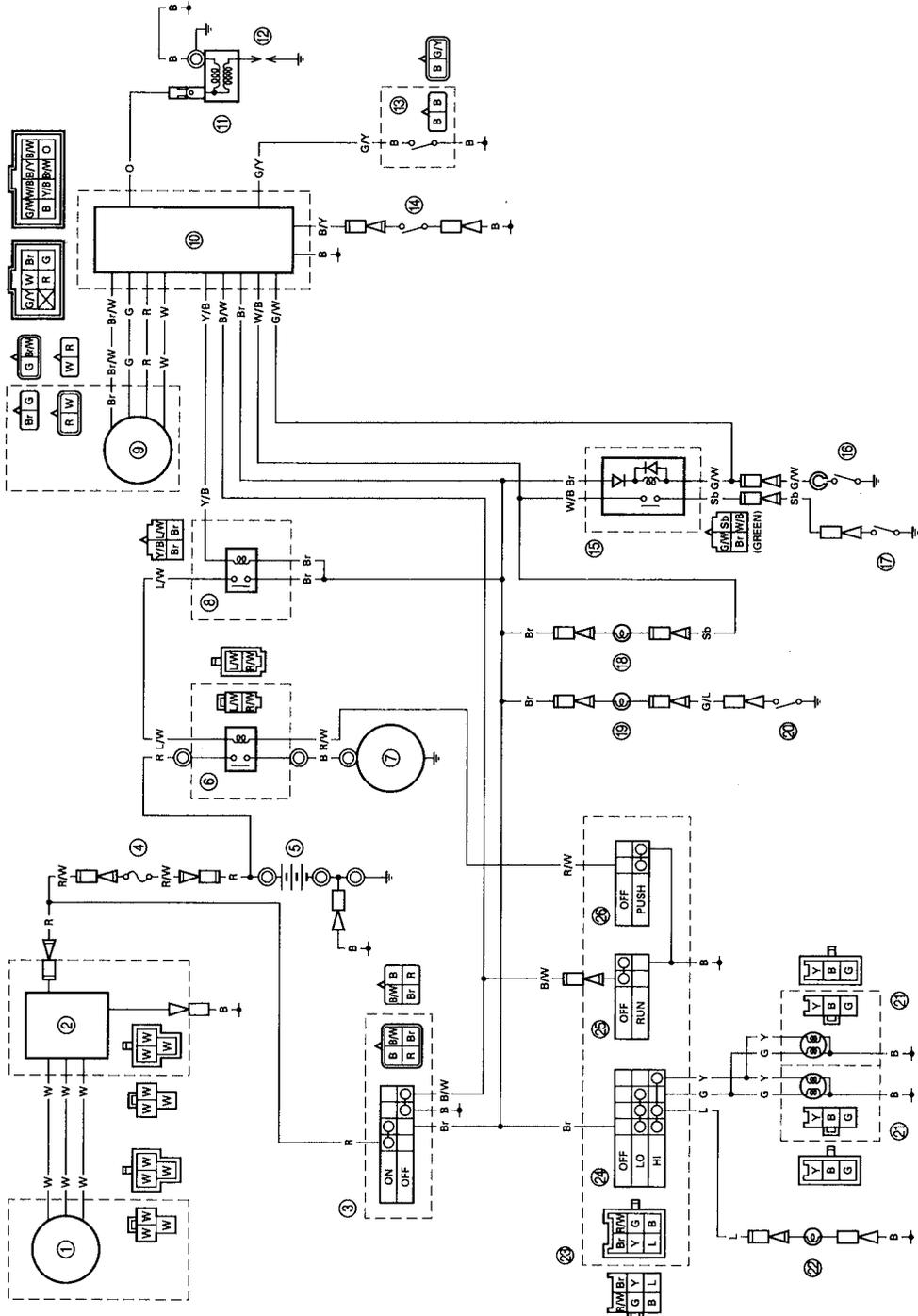
The ignition unit which receives a sensed signal becomes activated as follows according to the parking brake condition.

- Parking brake is released.
(switch OFF) → Ignition occurs normally.
- Parking brake is applied.
(switch ON) → Misfire occurs at
2300 r/min.
(engine will not rev up beyond
2300 r/min.)

- ① CDI unit
- ② Ignition timing control circuit
- ③ Parking switch

YFM350X WIRING DIAGRAM

- ① CDI magneto (stator coil)
- ② Rectifier/Regulator
- ③ Main switch
- ④ Fuse (main)
- ⑤ Battery
- ⑥ Starter relay
- ⑦ Starter motor
- ⑧ Starting circuit cut-off relay
- ⑨ CDI magneto (source coil and pickup coil)
- ⑩ CDI unit
- ⑪ Ignition coil
- ⑫ Spark plug
- ⑬ Parking switch
- ⑭ Clutch switch
- ⑮ Neutral relay
- ⑯ Lever switch
- ⑰ Neutral switch
- ⑱ Neutral indicator light
- ⑲ Reverse indicator light
- ⑳ Reverse switch
- ㉑ Headlight
- ㉒ Taillight
- ㉓ Handlebar switch (left)
- ㉔ Lights switch
- ㉕ Engine stop switch
- ㉖ Start switch



COLOR CODE

- B Black
- Br Brown
- G Green
- L Blue
- O Orange
- R Red
- Sb Sky blue

- W White
- Y Yellow
- BAW Black/White
- B/Y Black/Yellow
- Br/W Brown/White
- G/L Green/Blue
- G/W Green/White

- G/Y Green/Yellow
- L/W Blue/White
- R/W Red/White
- W/B White/Black
- Y/B Yellow/Black

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