



SERVICE INFORMATION



stlg



FZR1000 '91(B)
3GM-SE3

**SERVICE
INFORMATION**

FOREWORD

This Service Information has been prepared to introduce new service and data for the FZR1000 '91 (B). For complete service information procedures it is necessary to use this publication together with the following microfiche service manual.

FZR1000 (B) '91 SERVICE MANUAL: 3GM-ME3
FZR1000 (W) '89 SERVICE INFORMATION: 3GM-SE1
FZR1000 (A) '90 SERVICE INFORMATION: 3GM-SE2

**FZR1000 (B) '91
SERVICE INFORMATION**
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NOTICE

This manual was written by the Yamaha Motor Company primarily for use by Yamaha dealers and their qualified mechanics. It is not possible to put an entire mechanic's education into one manual, so it is assumed that persons using this book to perform maintenance and repairs on Yamaha motorcycles have a basic understanding of the mechanical concepts and procedures inherent in motorcycle repair technology. Without such knowledge, attempted repairs or service to this model may render it unfit to use and/or unsafe.

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

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SERVICE DIVISION
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HOW TO USE THIS MANUAL

PARTICULARLY IMPORTANT INFORMATION

This material is distinguished by the following notation.



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



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



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

NOTE:

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

MANUAL FORMAT























All of the procedures in this manual are organized in a sequential, step-by-step format. The information has been compiled to provide the mechanic with an easy to read, handy reference that contains comprehensive explanations of all disassembly, repair, and assembly, inspection operations.

In this revised format, the condition of a faulty component will precede an arrow symbol and the course of action required will follow the symbol, e.g.,

- Bearings
Pitting/Damage→Replace.

EXPLODED DIAGRAM

Each chapter provides exploded diagrams before each disassembly section for ease in identifying correct disassembly and assembly procedures.

① GEN INFO 	② SPEC 	
③ INSP ADJ 	④ ENG 	
⑤ COOL 	⑥ CARB 	
⑦ CHAS 	⑧ ELEC 	
⑨ TRBL SHTG ?	⑩ 	
⑪ 	⑫ 	
⑬ 	⑭ 	
⑮ 	⑯ 	
⑰ 	⑱ 	⑲ 
⑳ 	㉑ 	㉒ 
㉓ 		

ILLUSTRATED SYMBOLS (Refer to the illustration)

Illustrated symbols ① to ⑨ are designed as thumb tabs to indicate the chapter's number and content.

- ① General information
- ② Specifications
- ③ Periodic inspection and adjustment
- ④ Engine
- ⑤ Cooling system
- ⑥ Carburetion
- ⑦ Chassis
- ⑧ Electrical
- ⑨ Troubleshooting

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

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

Illustrated symbols ⑰ to ㉓ in the exploded diagram indicate grade of lubricant and location of lubrication point.

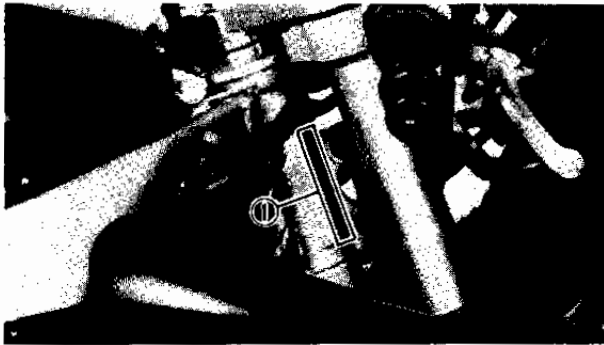
- ⑰ Apply engine oil
- ⑱ Apply gear oil
- ⑲ Apply molybdenum disulfide oil
- ⑳ Apply wheel bearing grease
- ㉑ Apply lightweight lithium-soap base grease
- ㉒ Apply molybdenum disulfide grease
- ㉓ Apply locking agent (LOCTITE®)

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FZR1000 (B) '91 COLOR WIRING DIAGRAM

GENERAL INFORMATION



MOTORCYCLE IDENTIFICATION

FRAME SERIAL NUMBER (Except for E and AUS)

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

Starting Serial Number:	
FZR1000	3GM-018101 (I, B, N, GR, NL)
FZR1000	3GM-026101 (DK)
FZR1000	3LE-016101 (D, S, A, SF)
FZR1000	3LF-015101 (F)
FZR1000	3LG-009101 (GB)
FZR1000	3LH-008101 (CH)
FZR1000B	3LJ-004101 (NZ)

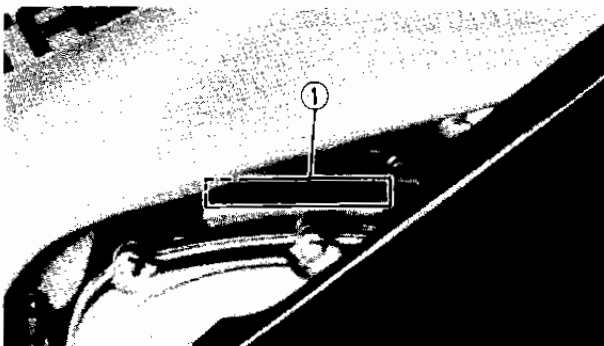
VEHICLE IDENTIFICATION NUMBER (For E and AUS)

The vehicle identification number ① is stamped into the right side of the steering head.

Starting Serial Number:	
JYA3GMS0 *	MA025101 (for E)
JYA3LJT0 *	MA004101 (for AUS)

NOTE: _____

The vehicle identification number is used to identify your motorcycle and may be used to register your motorcycle with the licensing authority in your state.



ENGINE SERIAL NUMBER

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

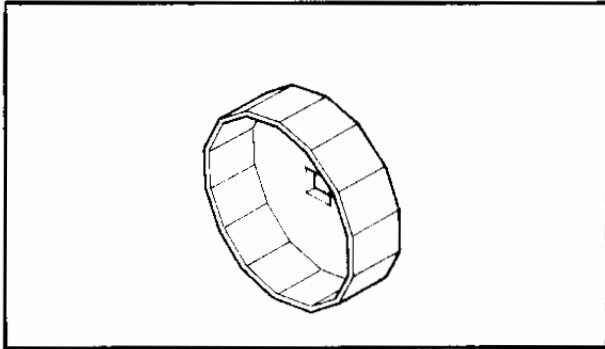
Starting Serial Number:	
FZR1000	3GM-018101 (I, B, N, GR, NL)
FZR1000	3GM-025101 (E)
FZR1000	3GM-026101 (DK)
FZR1000	3LE-016101 (D, S, A, SF)
FZR1000	3LF-015101 (F)
FZR1000	3LG-009101 (GB)
FZR1000	3LH-008101 (CH)
FZR1000B	3LJ-004101 (AUS, NZ)

NOTE: _____

- The first three digits of these numbers are for model identifications; the remaining digits are the unit production number.
- Designs and specifications are subject to change without notice.

SPECIAL TOOLS

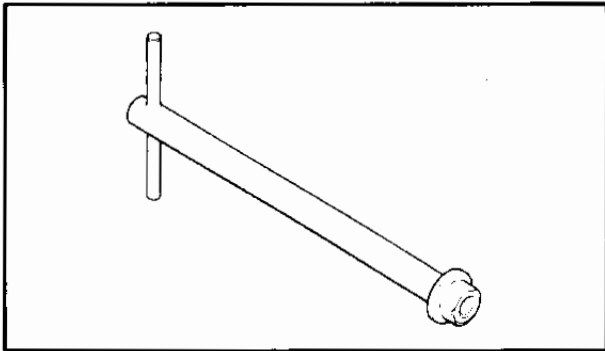
The proper special tools are necessary for complete and accurate tune-up and assembly. Using the correct special tool will help prevent damage caused by the use of improper tools or improvised techniques.



FOR ENGINE SERVICE

1. Oil filter wrench
P/N 90890-01426

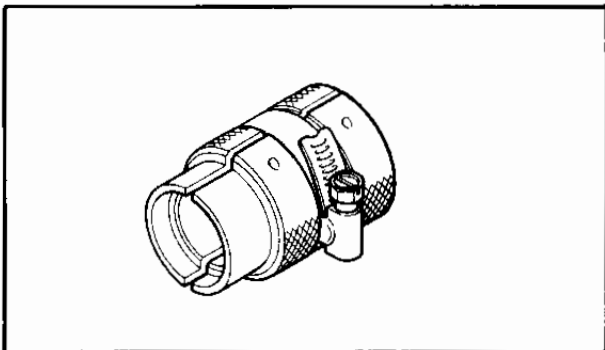
This tool is used to remove and install the oil filter.



FOR CHASSIS SERVICE

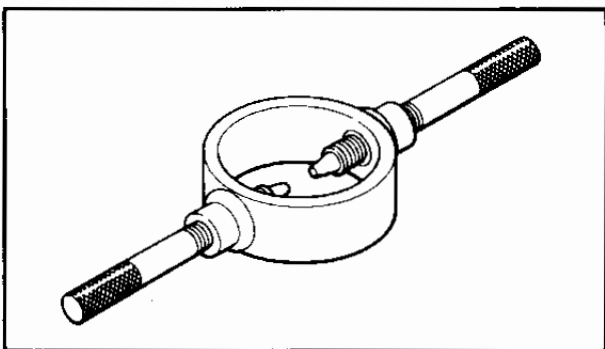
1. Damper rod holder (24 mm)
P/N 90890-01445

This tool is used to loosen and tighten the front fork damper rod holding bolt.



2. Front fork seal driver
P/N 90890-01424

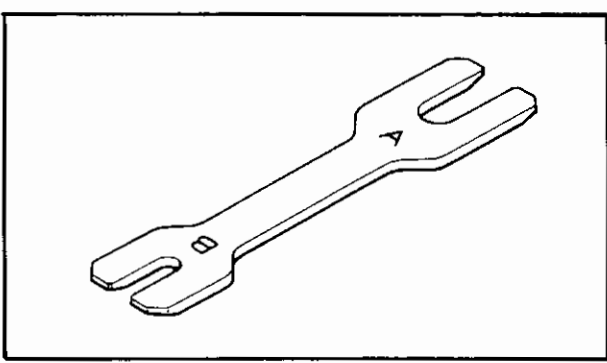
This tool is used when installing the fork seal.



3. Fork spring compressor
P/N 90890-01441

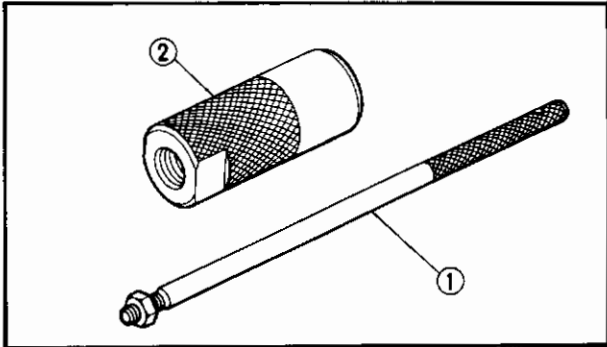
This tool is needed to disassemble and assemble the front fork.

SPECIAL TOOLS



4. Rod holder
P/N 90890-01434

This tool is needed to disassemble and assemble the front fork.



5. Rod puller — ①
P/N 90890-01437
Rod puller attachment — ②
P/N 90890-01436

These tools are used to install the front fork.

GENERAL SPECIFICATIONS



SPECIFICATIONS

GENERAL SPECIFICATIONS

Model	FZR1000 (B)
Model Code Number:	3GM5 (I, B, N, GR, NL) 3GM6 (E) 3GM7 (DK) 3LE3 (D, S, A, SF) 3LF3 (F) 3LG3 (GB) 3LH3 (CH) 3LJ3 (AUS, NZ)
Frame Starting Number:	3GM-018101 (I, B, N, GR, NL) 3GM-026101 (DK) 3LE-016101 (D, S, A, SF) 3LF-015101 (F) 3LG-009101 (GB) 3LH-008101 (CH) 3LJ-004101 (NZ)
Vehicle Identification Number:	JYA3GMS0 * MA025101 (E) JYA3LJT0 * MA004101 (AUS)
Engine Starting Number:	3GM-018101 (I, B, N, GR, NL) 3GM-025101 (E) 3GM-026101 (DK) 3LE-016101 (D, S, A, SF) 3LF-015101 (F) 3LG-009101 (GB) 3LH-008101 (CH) 3LJ-004101 (AUS, NZ)
Dimensions: Overall Length Overall Width Overall Height Seat Height Wheelbase Minimum Ground Clearance	2,205 mm (86.8 in) 745 mm (29.3 in) 1,170 mm (46.1 in) 775 mm (30.5 in) 1,470 mm (57.9 in) 135 mm (5.3 in)
Minimum Turning Radius:	3,300 mm (130 in)
Coolant Total Amount: (Including All Routes)	2.8 L (2.5 Imp qt, 3.0 US qt)
Fuel: Type Tank capacity Reserve Amount	Regular unleaded gasoline Regular gasoline (NZ) Unleaded Fuel Only (AUS) 19.0 L (4.2 Imp gal, 5.0 US gal) 3.4 L (0.75 Imp gal, 0.90 US gal)
Chassis: Frame Type Caster Angle Trail	Pressed backbone 26.4° 108 mm (4.25 in)

GENERAL SPECIFICATIONS



Model		FZR1000 (B)	
		Front	Rear
Tire:		Tubeless	Tubeless
Type		130/60 VR17-V280	170/60 VR17-V280
Size		130/60 ZR17	170/60 ZR17
Manufacture (Type)		Bridgestone (CY17) Dunlop (K510F) Pirelli (MP7S) Michelin (A59X) Metzler (ME33)	Bridgestone (CY20) Dunlop (K510) Pirelli (MP7S) Michelin (M59X) Metzler (ME55A)
Electrical:		T.C.I. (Digital ignition)	
Ignition System		AC generator	
Generator System		YTX14-BS	
Battery Type or Model		12V 12AH	
Battery Capacity			
Bulb Wattage x Quantity:			
Headlight		12V, 55W x 2 (I, B, N, GR, NL, E, D, S, SF, A, CH)	
Marker Light		12V, 60W/55W x 1 (DK, F, GB, AUS, NZ)	
Tail/Brake Light		12V, 5W x 1 (I, B, GR, NL, E, D, S, SF, A, CH)	
Flasher Light		12V, 4W x 1 (DK, F, GB, AUS, NZ)	
Meter Light		12V, 5W/21W x 2	
Indicator Light:			
Wattage x Quantity	"NEUTRAL"	12V, 3.4W x 1	
	"HIGH BEAM"	12V, 3.4W x 1	
	"TURN"	12V, 3.4W x 1	
	"OIL LEVEL"	12V, 3.4W x 1	

MAINTENANCE SPECIFICATIONS



MAINTENANCE SPECIFICATIONS

ENGINE

Tightening Torque

Part to be tightened	Part name	Thread size	Q' ty	Tightening torque			Remarks
				Nm	m·kg	ft·lb	
Camshaft Cap	Bolt	M6	40	10	1.0	7.2	
Cylinder Head (exhaust pipe)	Stud bolt	M8	8	15	1.5	11	
Cylinder Head	Nut	M10	8	41	4.1	30	
Cylinder Head	Cap nut	M10	4	41	4.1	30	
Spark Plug	-	M12	4	17.5	1.75	12.5	
Cylinder Head Cover	Bolt	M6	8	10	1.0	7.2	
Connecting Rod	Nut	M8	8	36	3.6	25	
Timing Chain Sprocket	Flange bolt	M7	4	24	2.4	17	
Timing Chain Tensioner	Bolt	M6	2	10	1.0	7.2	
Timing Chain Tensioner End	Cap bolt	M11	1	20	2.0	14	
Chain Guide (intake side)	Bolt	M6	2	10	1.0	7.2	
Oil Pump Housing	Screw	M6	1	10	1.0	7.2	
Oil Pump Mount	Bolt	M6	3	10	1.0	7.2	
Oil filter	-	M20	-	17	1.7	12	
Oil cooler	-	M20	-	63	6.3	45	
Oil Pan	Bolt	M6	12	10	1.0	7.2	
Drain Plug	-	M14	1	43	4.3	31	
Oil Pipe 1	Bolt	M6	3	7	0.7	5.1	
Oil Baffle Plate (lower)	Flange bolt	M6	4	10	1.0	7.2	
Oil Baffle Plate (upper)	Flange bolt	M6	10	10	1.0	7.2	
Oil Cooler House	Union bolt	M12	2	32	3.2	23	
Oil Level Switch	Bolt	M6	2	10	1.0	7.2	
Exhaust Pipe	Nut	M8	8	20	2.0	14	
Exhaust Pipe and Muffler	Flange bolt	M8	1	20	2.0	14	
Muffler and Muffler Stay	Flange bolt	M8	1	20	2.0	14	
Muffler Bracket	Flange bolt	M8	1	20	2.0	14	
Exhaust Pipe Blind Plug (CO test)	Bolt	M6	4	10	1.0	7.2	
Crankcase	Stud bolt	M10	12	10	1.0	7.2	
Main Axle Bearing Stopper	Torx	M6	3	10	1.0	7.2	
Crankshaft End Cover	Screw	M6	6	7	0.7	5.1	
Crankcase Cover (right)	Bolt	M6	11	10	1.0	7.2	
Crankcase	Flange bolt	M6	7	12	1.2	8.7	
Crankcase	Flange bolt	M8	17	24	2.4	17	
Crankcase	Flange bolt	M9	11	32	3.2	23	
Starter Clutch	Bolt	M8	3	25	2.5	18	
HY-VO Chain Guide	Bolt	M6	2	10	1.0	7.2	
Clutch Boss	Nut	M20	1	70	7.0	50	Use lock washer
Clutch Spring	Bolt	M6	6	8	0.8	5.8	
Drive Sprocket	Nut	M18	1	70	7.0	50	Use lock washer
Shift Cam Stopper Lever	Bolt	M6	1	10	1.0	7.2	
Shift Cam Stopper	Bolt	M6	1	10	1.0	7.2	
Guide Bar Stopper (shift fork)	Bolt	M6	1	10	1.0	7.2	
Neutral Switch	Screw	M6	2	4	0.4	2.9	

MAINTENANCE SPECIFICATIONS





CHASSIS

Model	FZR1000 (B)																
<p>Front Suspension:</p> <p>Front Fork Travel</p> <p>Front Spring Free Length <Limit></p> <p>Spring Rate: K1</p> <p>Stroke K1</p> <p>Optional Spring</p> <p>Oil Capacity</p> <p>Oil Level (Fully Compression)</p> <p>Oil Grade</p> <p>Adjustment</p> <div data-bbox="535 705 730 907" style="text-align: center;"> </div>	<p>120 mm (4.72 in)</p> <p>331.5 mm (13.1 in)</p> <p><328 mm (12.9 in)></p> <p>8 N/mm (0.8 kg/mm, 44.8 lb/in)</p> <p>Zero ~ 120 mm (Zero ~ 4.72 in)</p> <p>No</p> <p>462 cm³ (16.3 Imp oz, 15.6 US oz)</p> <p>124 mm (4.88 in)</p> <p>Below the top of inner fork tube without fork spring</p> <p>Yamaha Fork Oil 5W or equivalent</p> <table border="1" data-bbox="889 734 1466 857"> <thead> <tr> <th></th> <th colspan="4">Stiffer</th> <th>STD</th> <th colspan="2">Softer</th> </tr> <tr> <th>Adjusting position</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> </tr> </thead> </table>		Stiffer				STD	Softer		Adjusting position	1	2	3	4	5	6	7
	Stiffer				STD	Softer											
Adjusting position	1	2	3	4	5	6	7										

MAINTENANCE SPECIFICATIONS



Tightening Torque

Part to be tightened	Thread size	Tightening torque			Remarks
		Nm	m·kg	ft·lb	
Front Axle	M16	48	4.8	35	Refer to "NOTE"  
Front Axle Pinch	M8	20	2.0	14	
Front Fender	M6	6	0.6	4.3	
Under Bracket and outer tube	M8	23	2.3	17	
Handle Crown and outer tube	M8	26	2.6	19	
Handle Crown and Steering Stem	M22	110	11.0	80	
Lower Ring Nut (steering shaft)	M22	-	-	-	
Brake Caliper (front/rear)	M10	35	3.5	25	
Brake Disc and Wheel	M8	20	2.0	14	
Master Cylinder and Holder (front brake)	M6	10	1.0	7.2	
Master Cylinder Cap (front brake)	M5	2	0.2	1.4	
Bleed Screw (brake caliper/clutch release cylinder)	M8	6	0.6	4.3	
Brake (clutch) Hose	M10	25	2.5	18	
Handlebar and Handle Boss	M8	28	2.8	20	
Handlebar Boss and Handle Crown	M8	19	1.9	13	
Grip End (handlebar)	M16	30	3.0	22	
Engine Mounting:					
Pinch Bolt (cylinder head side)	M8	22	2.2	16	
Pinch Bolt (cylinder side)	M8	22	2.2	16	
Pinch Bolt (rear)	M8	15	1.5	11	
Mounting Bolt (cylinder head)	M10	40	4.0	29	
Mounting Bolt (cylinder)	M10	40	4.0	29	
Mounting Bolt (rear - upper)	M10	55	5.5	40	
Mounting Bolt (rear - lower)	M10	55	5.5	40	
Footrest Bracket and Frame (front)	M8	28	2.8	20	
Footrest and Footrest Bracket (front)	M10	55	5.5	40	
Pivot Axle and Locknut	M18	130	13.0	94	
Relay Arm and Frame	M10	48	4.8	35	
Arm and Swingarm	M12	74	7.4	53	
Arm and Relay Arm	M12	74	7.4	53	
Rear Shock Absorber and Frame	M10	40	4.0	29	
Rear Shock Absorber and Relay Arm	M10	40	4.0	28	
Footrest Bracket and Frame (rear)	M8	28	2.8	20	
Master Cylinder and Frame (rear)	M8	23	2.3	17	
Rear Frame and Frame	M10	55	5.5	40	
Compression Bar (front and rear)	M8	30	3.0	22	
Brake Disc and Clutch Hub	M8	20	2.0	14	
Sprocket and Hub	M10	60	6.0	43	
Rear Axle and Nut	M 18	150	15.0	110	
Side Stand Bracket and Frame	M8	28	2.8	20	
Side Stand Pivot Bolt	M10	46	4.6	33	
Side Stand Pivot Nut	M10	39	3.9	28	
Fuel cock and fuel tank	M6	7	0.7	5.1	
Fuel sender and fuel tank	M6	7	0.7	5.1	

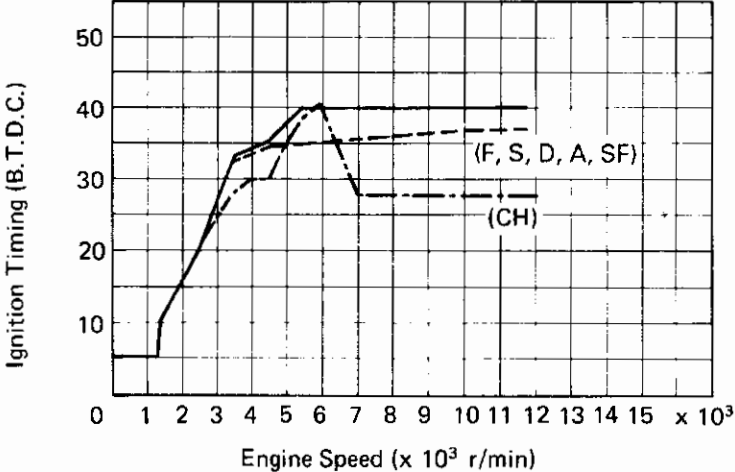
NOTE:

1. Tighten the lower ring nut 52 Nm (5.2 m · kg, 37 ft · lb) by using the torque wrench.
2. Loosen the lower ring nut completely and retighten it 3 Nm (0.3 m · kg, 2.2 ft · lb).
3. Install the upper ring nut, and then align the slots of both ring nut.

MAINTENANCE SPECIFICATIONS



ELECTRICAL

Model	FZR1000 (B)
Voltage: Ignition System: Ignition Timing (B.T.D.C.) Advanced Timing (B.T.D.C.) Advancer Type	12V 5° at 1,350 r/min 40° at 5,500 r/min 35° at 4,500 r/min (F, S, D, A, SF) 41° at 6,000 r/min (CH) Electrical 
T.C.I.: Pickup Coil Resistance (Color) T.C.I. Unit/Manufacturer	135 ~ 165Ω at 20°C (68°F) (Gray-Black) BB7225/HITACHI BB7226/HITACHI (F, S, D, A, SF) BB7231/HITACHI (CH)
Battery: Capacity Specific Gravity	12V, 12AH 1.320
Electrical Starter System: Type Starter Motor: Model/Manufacturer Output Armature Coil Resistance Brush - Overall Length <Limit> - Spring Force Commutator Dia. Wear Limit Mica Undercut Starter Switch: Model/Manufacturer Amperage Rating Coil Resistance	Constant mesh type SM-13/MITSUBA 0.65 kw 0.012Ω ± 10% at 20°C (68°F) 12.5 mm (0.49 in) 4 mm (0.16 in) 680 ~ 920 g (24.0 ~ 32.4 oz) 28 mm (1.10 in) 27 mm (1.06 in) 0.7 mm (0.03 in) A104-128/HITACHI 100A 4.0 ~ 4.7Ω at 20°C (68°F)

MAINTENANCE SPECIFICATIONS



ELECTRICAL

Model	FZR1000 (B)
Flasher Relay (Relay Assembly): Type Model/Manufacturer Self Cancelling Device Flasher Frequency Wattage	Semi transistor type G8A-101-03/OMRON or FA249MD/NIPPONDENSO No 75 ~ 95 cycle/min 21W x 2 pcs + 3.4W
Circuit Breaker: Type Amperage for Individual Circuit x Quantity: MAIN HEADLIGHT SIGNAL IGNITION FAN RESERVE	Fuse 30A x 1 20A x 1 10A x 1 10A x 1 10A x 1 10A x 1 10A x 1. 20A x 1. 30A x 1

LUBRICATION POINT AND GRADE OF LUBRICANT



LUBRICATION POINT AND GRADE OF LUBRICANT
ENGINE

Lubrication Point	Symbol	Grade of Lubricant
Oil seal lip		Lithium-soap base
O-Ring		Lithium-soap base
Bearing		Engine oil
Piston surface		Engine oil
Piston pin		Engine oil
Crankshaft pin		Engine oil
Crankshaft journal		Engine oil
Connecting rod bolt/Nut		Molybdeum disulfide oil
Camshaft cam lode/Journal		Molybdeum disulfide oil
Valve stem (IN, EX)		Molybdeum disulfide oil
Valve stem end (IN, EX)		Molybdeum disulfide oil
Water pump impeller shaft		Engine oil
Oil pump rotor (Inner/Outer), housing		Engine oil
Oil strainer assembly		Engine oil
Outer starter clutch surface		Engine oil
Idle gear surface/Bearing		Engine oil
Starter clutch ball		Engine oil
Primary driven gear		Engine oil
Transmission gear (Wheel/Pinion)		Molybdeum disulfide oil
Axle (Main/Drive)		Molybdeum disulfide oil
Shift cam		Molybdeum disulfide oil
Shift fork/Guide bar		Engine oil
Shift shaft assembly		Engine oil

LUBRICATION POINT AND GRADE OF LUBRICANT



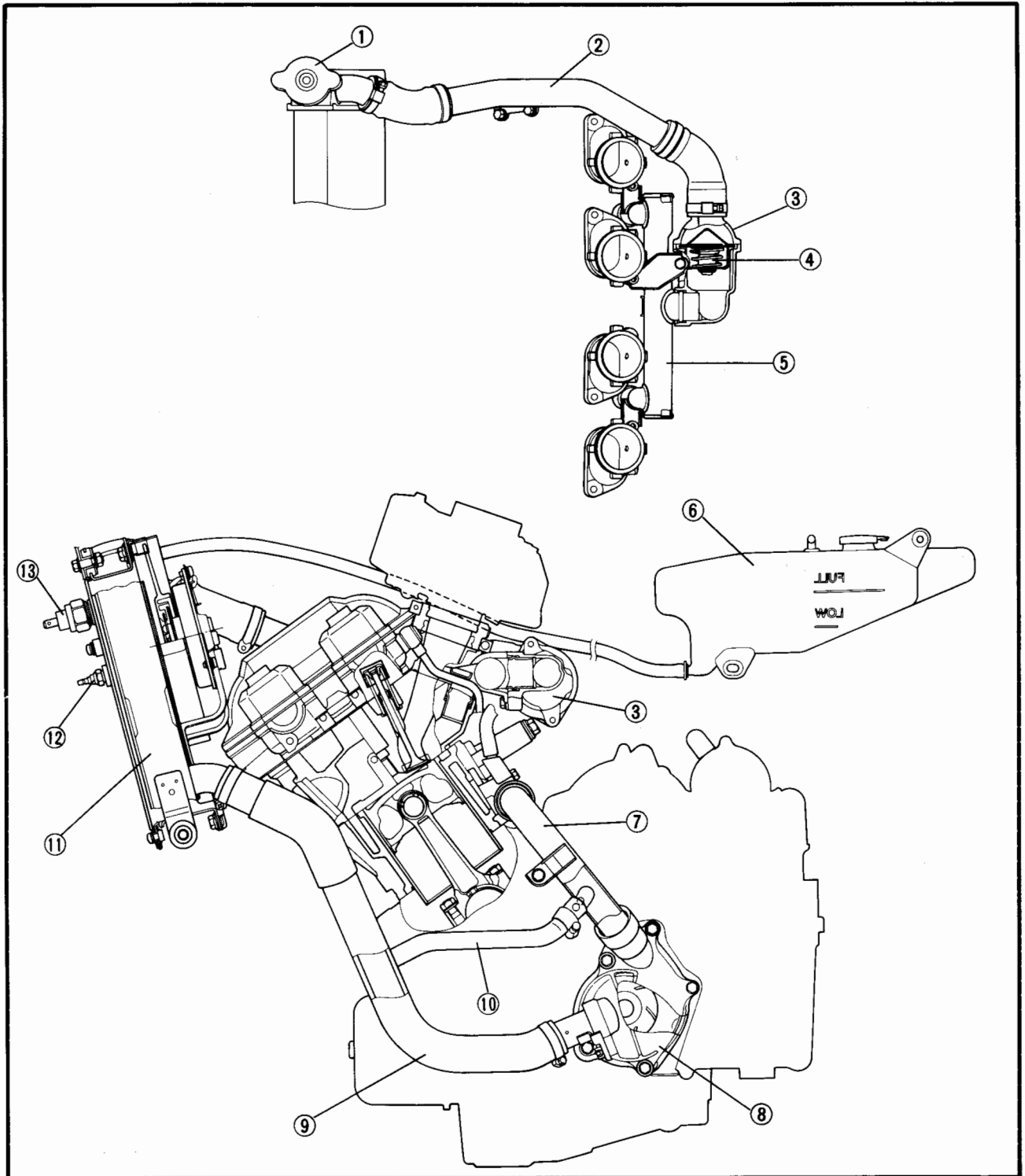
CHASSIS

Lubrication Point	Symbol	Grade of Lubricant
Steering bearing (Upper/Lower)		Lithium-soap base grease
Wheel bearing/Axle		Lithium-soap base grease
Front wheel oil seal (Right/Left)		Lithium-soap base grease
Rear wheel oil seal		Lithium-soap base grease
Clutch hub oil seal		Lithium-soap base grease
Clutch hub fitting area		Lithium-soap base grease
Rear brake pedal shaft		Lithium-soap base grease
Change pedal		Lithium-soap base grease
Side stand sliding surface		Lithium-soap base grease
Tube guide (Throttle grip) inner surface		Lithium-soap base grease
Brake lever bolt, sliding surface		Lithium-soap base grease
Clutch lever bolt, sliding surface		Lithium-soap base grease
Rear shock absorber (Upper/Lower)		Molybdenum disulfide grease
Swingarm pivot bearing		Molybdenum disulfide grease
Pivot shaft		Molybdenum disulfide grease
Arm 1, 2 bearing		Molybdenum disulfide grease
Thrust cover (Inner)		Molybdenum disulfide grease
Relay arm bearing (Inner)		Molybdenum disulfide grease
Rear footrest ball		Lithium-soap base grease
Rear footrest pin		Lithium-soap base grease



COOLANT DIAGRAM

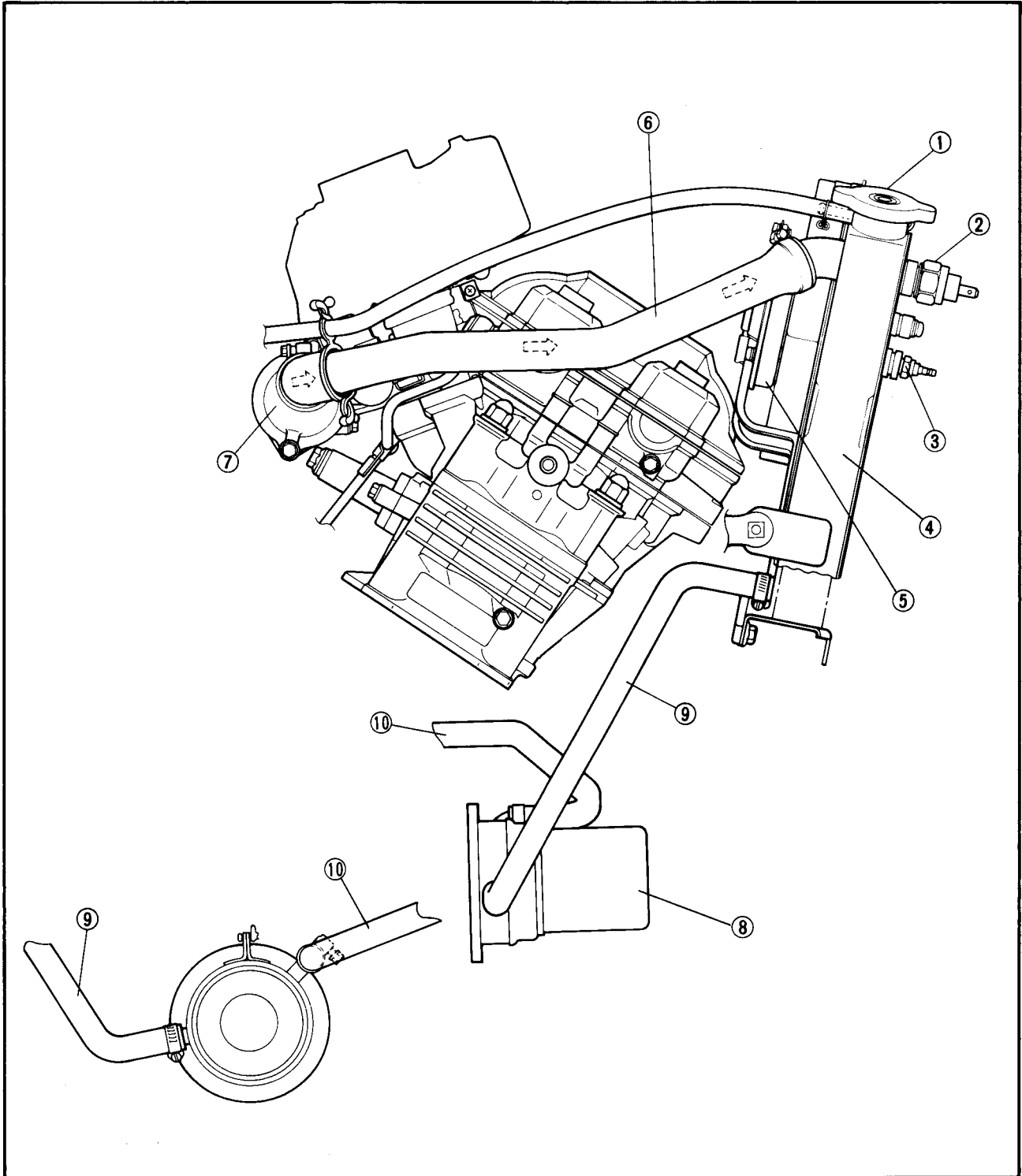
- ① Radiator cap
- ② Inlet pipe (radiator)
- ③ Thermostatic valve housing
- ④ Thermostatic valve
- ⑤ Water jacket joint (outlet)
- ⑥ Reservoir tank (coolant)
- ⑦ Outlet pipe (water pump)
- ⑧ Water pump
- ⑨ Inlet pipe (water pump)
- ⑩ Outlet pipe (oil cooler)
- ⑪ Radiator
- ⑫ Thermo unit
- ⑬ Thermo switch



COOLANT DIAGRAM



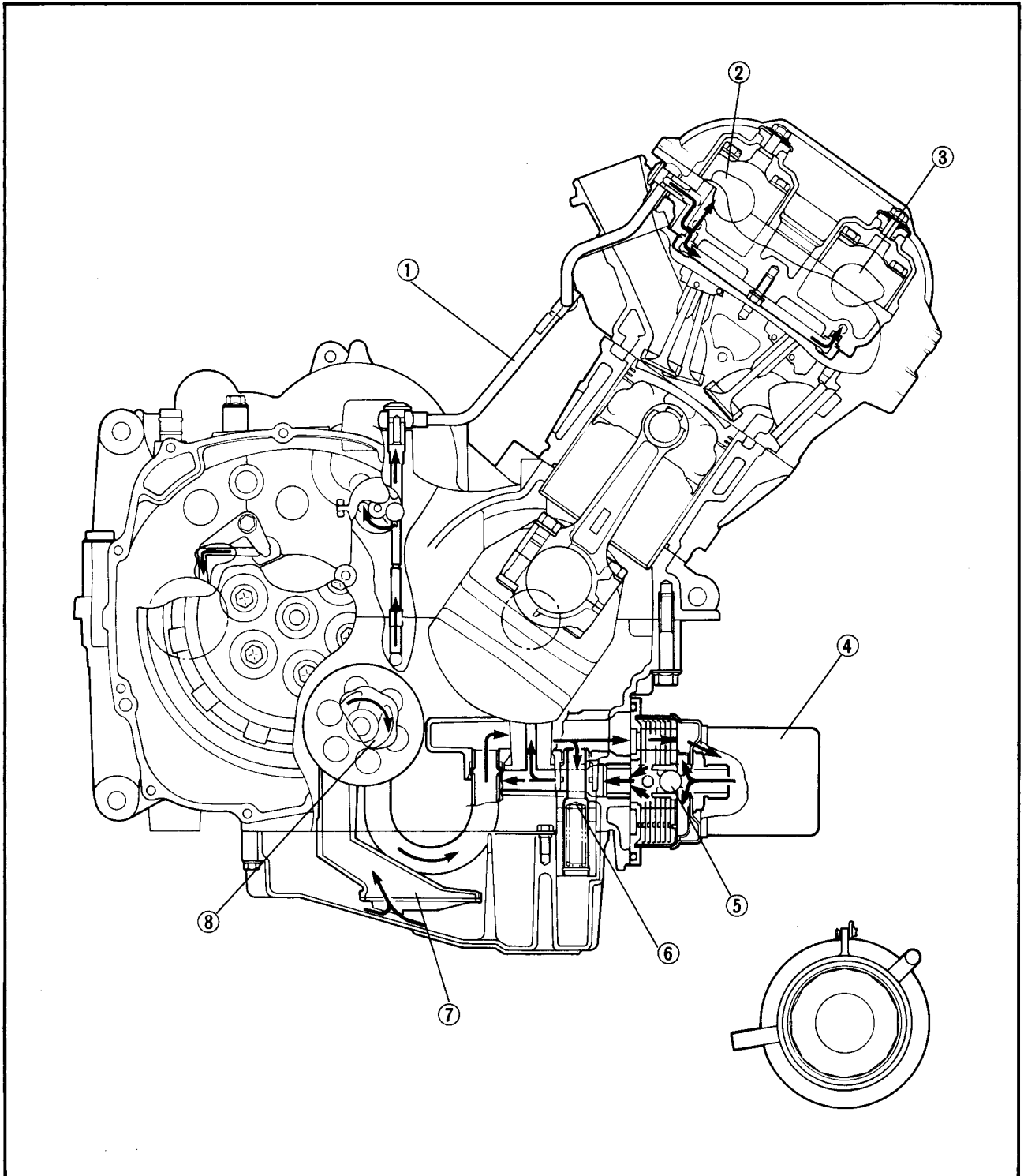
- ① Radiator cap
- ② Thermo switch
- ③ Thermo unit
- ④ Radiator
- ⑤ Fan motor
- ⑥ Inlet pipe (radiator)
- ⑦ Thermostatic valve housing
- ⑧ Oil filter
- ⑨ Inlet pipe (Oil cooler)
- ⑩ Outlet pipe (Oil cooler)





LUBRICATION DIAGRAMS

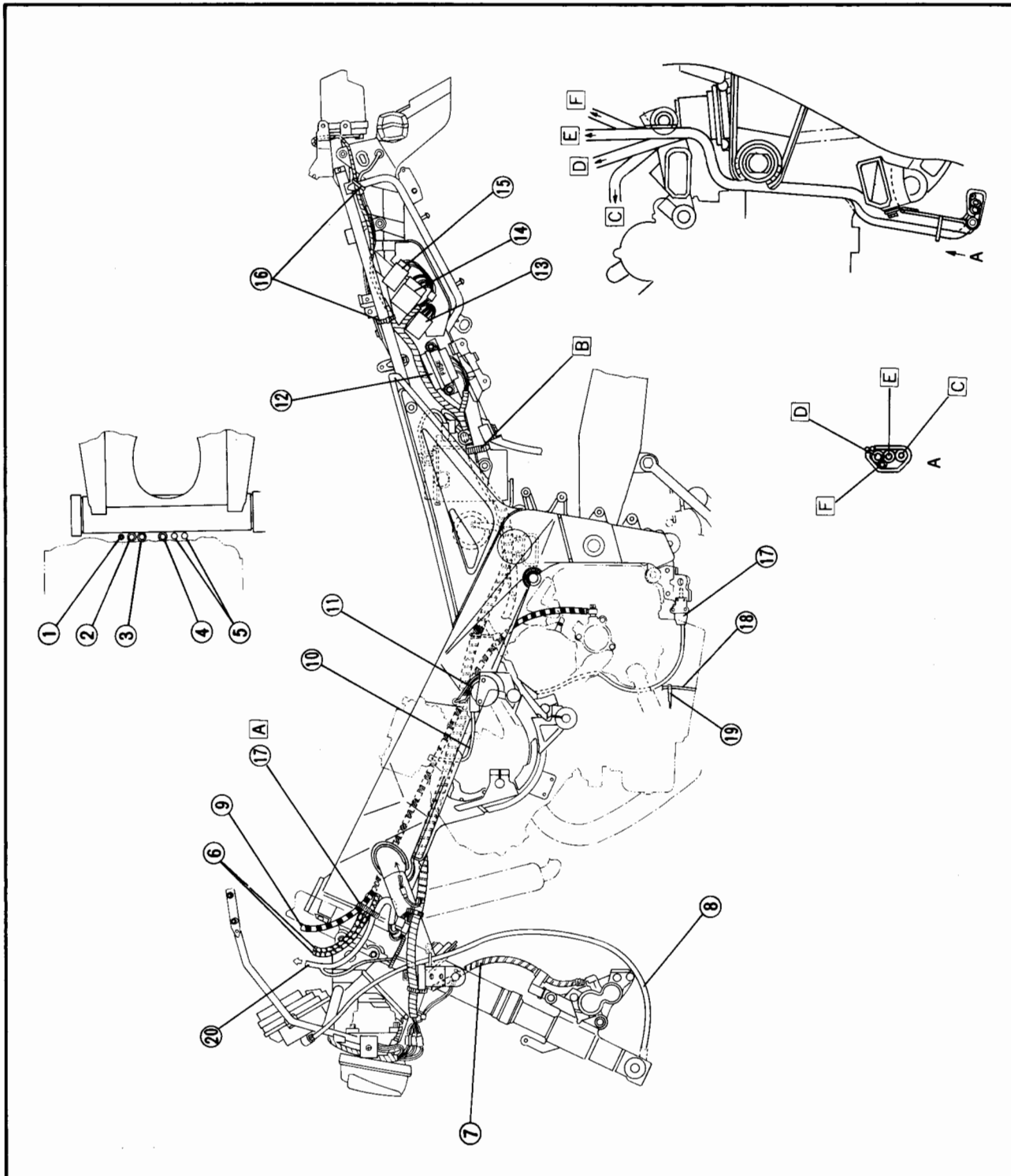
- ① Oil delivery pipe 2
- ② Camshaft (intake)
- ③ Camshaft (exhaust)
- ④ Oil filter
- ⑤ Bypass valve
- ⑥ Relief valve
- ⑦ Oil strainer
- ⑧ Oil pump





CABLE ROUTING

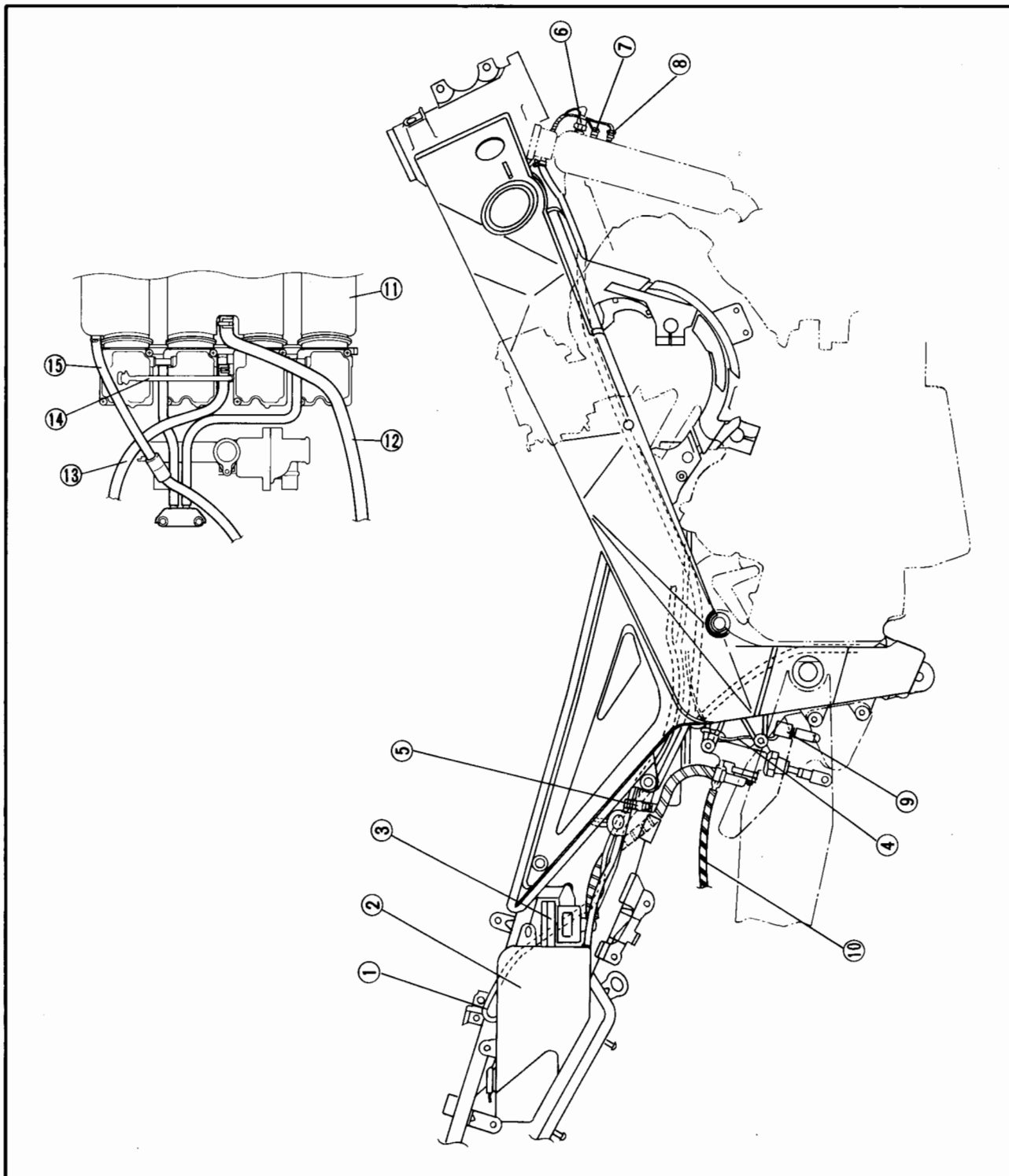
- ① Ventilation hose (coolant reservoir tank)
- ② Ventilation hose (air filter case)
- ③ Breather hose (fuel tank)
- ④ Canister hose
- ⑤ EXUP cables
- ⑥ Throttle cables
- ⑦ Brake hose
- ⑧ Speedometer cable
- ⑨ Clutch hose
- ⑩ Starter cable
- ⑪ Starter lever assembly
- ⑫ Fuse box
- ⑬ Flasher relay
- ⑭ Relay unit
- ⑮ Oil level switch relay
- ⑯ Band
- ⑰ Sidestand switch
- ⑱ Oil level switch lead
- ⑲ Clamp
- ⑳ Handlebar switch lead (left)
- A Clamp the clutch hose and throttle cables and handlebar switch lead (left).
- B Clamp the wireharness and starter motor lead.
- C To canister roll over valve
- D To air cleaner
- E To fuel tank
- F To reserver tank



CABLE ROUTING



- ① Ventilation hose (coolant reservoir tank)
- ② Reservoir tank (coolant)
- ③ Reservoir tank (rear brake)
- ④ Rear brake switch leads
- ⑤ Band
- ⑥ Thermo switch
- ⑦ Ground lead
- ⑧ Thermo unit
- ⑨ Rear brake switch
- ⑩ Rear brake hose
- ⑪ Air filter box
- ⑫ Ventilation hose (crankcase)
- ⑬ Fuel hose
- ⑭ Throttle stop screw
- ⑮ Air filter drain hose

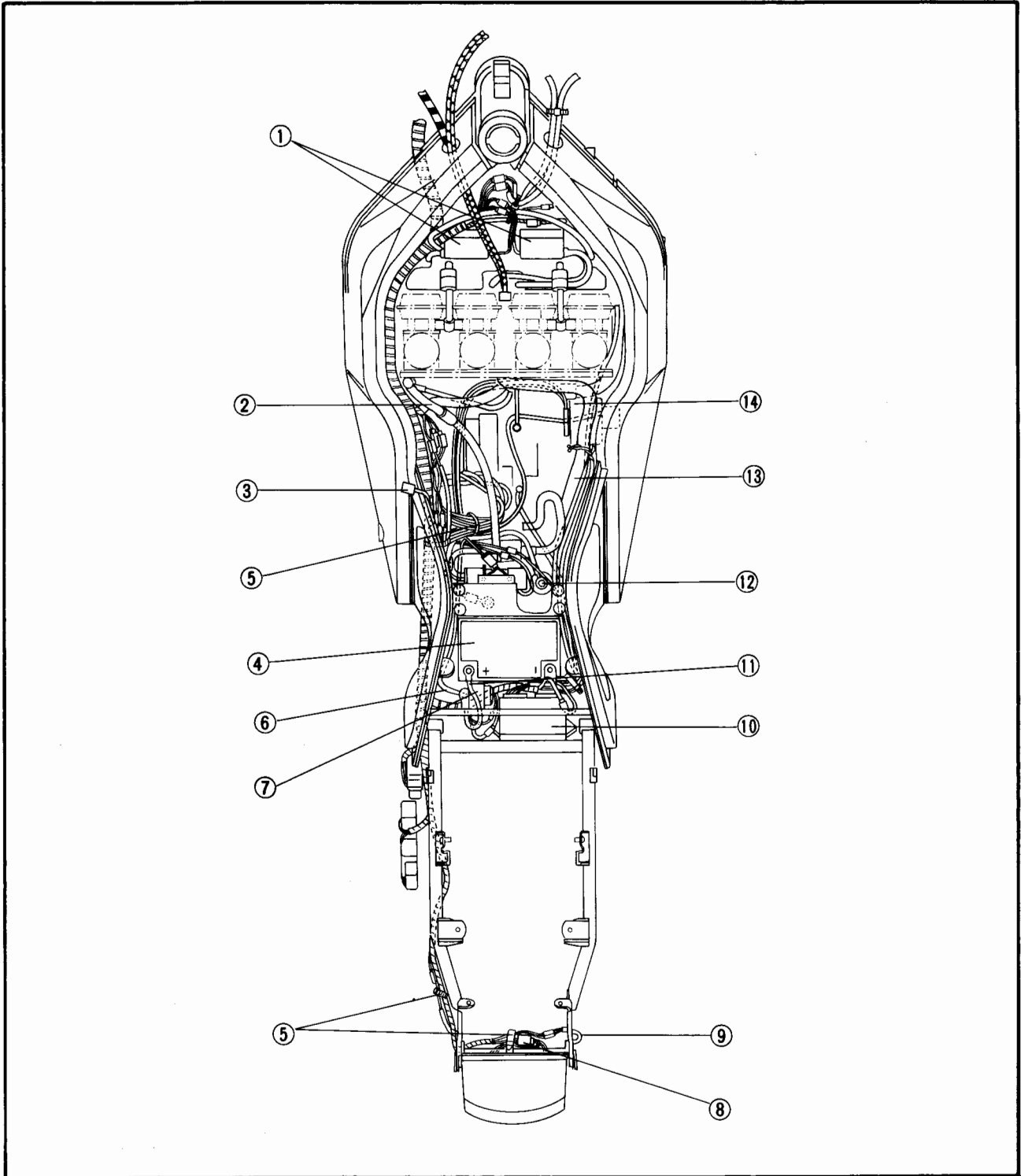


CABLE ROUTING



- ① Ignition coil
- ② Ventilation hose (air filter case)
- ③ Fuel sender
- ④ Battery
- ⑤ Band
- ⑥ Starter motor lead
- ⑦ Starter relay

- ⑧ Tail/brake light coupler
- ⑨ Rear flasher light leads
- ⑩ Digital ignitor unit
- ⑪ Battery positive lead
- ⑫ Sub tank (rear shock absorber)
- ⑬ Ventilation hose (crankcase)
- ⑭ EXUP servo motor



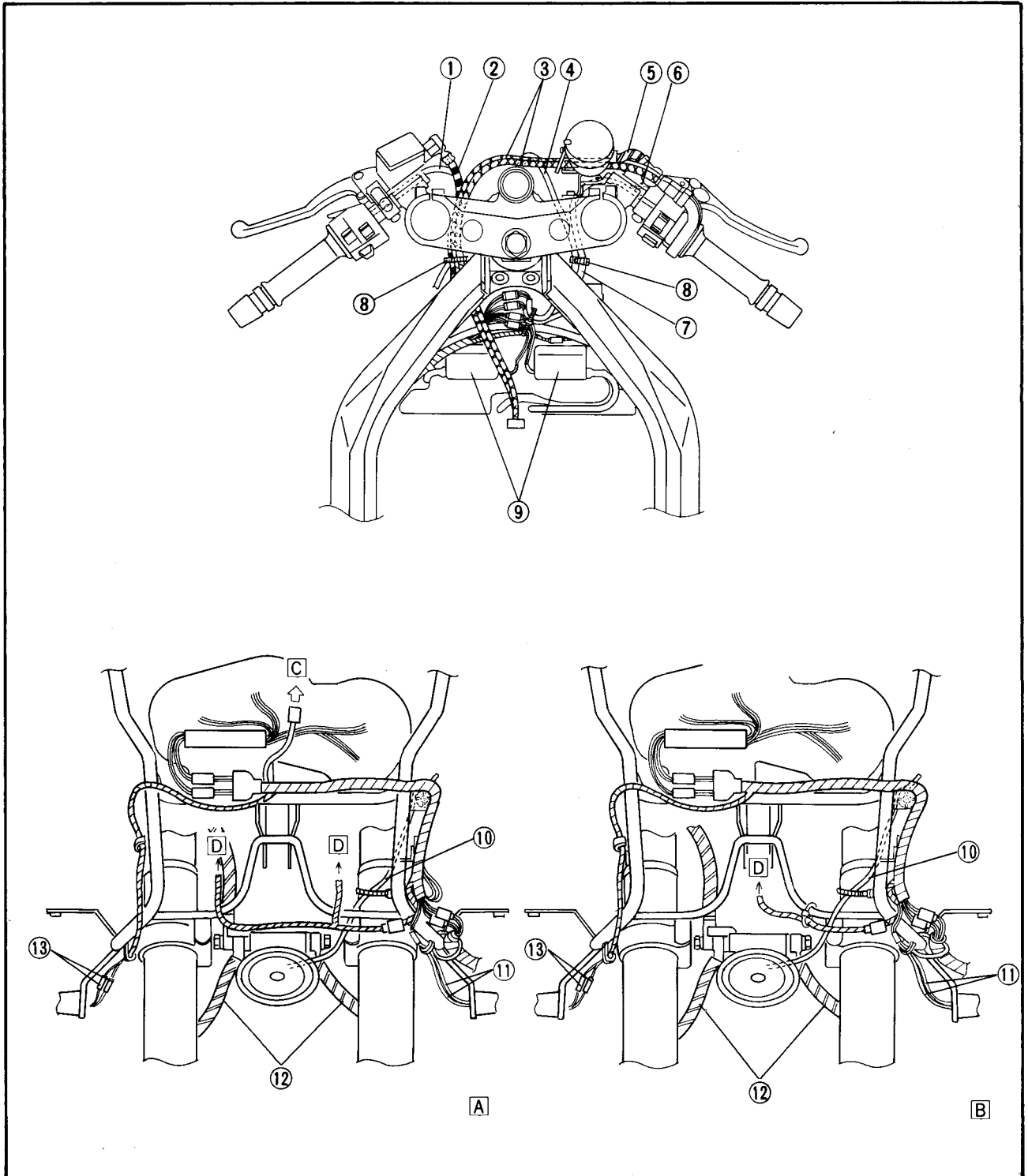
CABLE ROUTING



- ① Handlebar switch leads (left)
- ② Clutch hose
- ③ Throttle cables
- ④ Main switch lead
- ⑤ Front brake hoses
- ⑥ Front brake switch lead
- ⑦ Handlebar switch leads (right)
- ⑧ Band
- ⑨ Ignition coil

- ⑩ Horn lead
- ⑪ Front flasher light leads (left)
- ⑫ Front brake hose
- ⑬ Front flasher light leads (right)

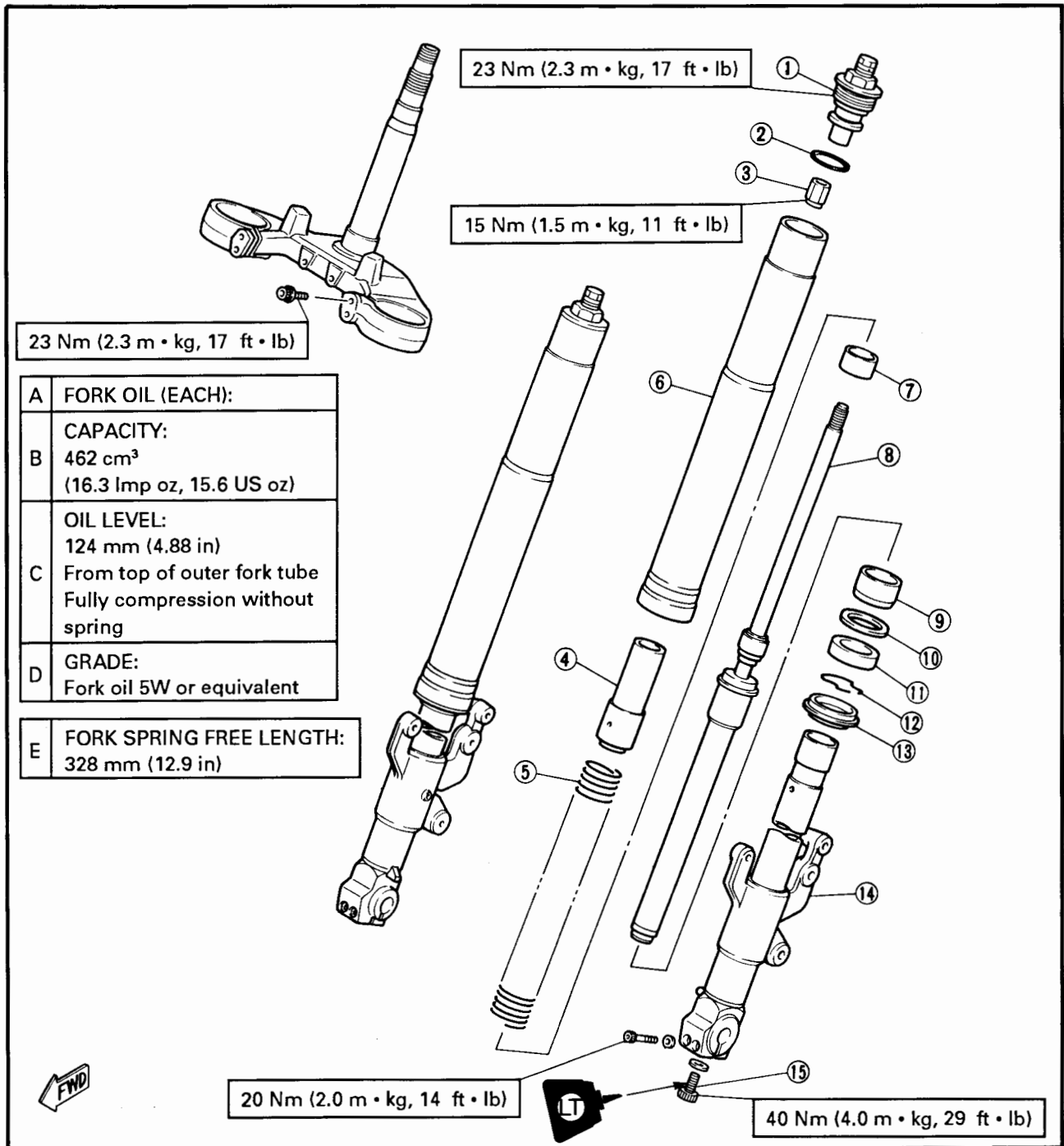
- A For B, N, GR, NL, E, D, S, SF, A, CH
- B For DK, F, GB, AUS, NZ
- C To auxiliary light
- D To headlight



EXPLODED DIAGRAM

FRONT FORK

- ① Cap bolt complete
- ② O-ring
- ③ Locknut
- ④ Spacer collar
- ⑤ Fork spring
- ⑥ Outer fork tube
- ⑦ Piston metal
- ⑧ Damper rod assembly
- ⑨ Slide metal
- ⑩ Plain washer
- ⑪ Oil seal
- ⑫ Stopper ring
- ⑬ Dust seal
- ⑭ Inner fork tube
- ⑮ Damper rod bolt





YAMAHA MOTOR CO., LTD.

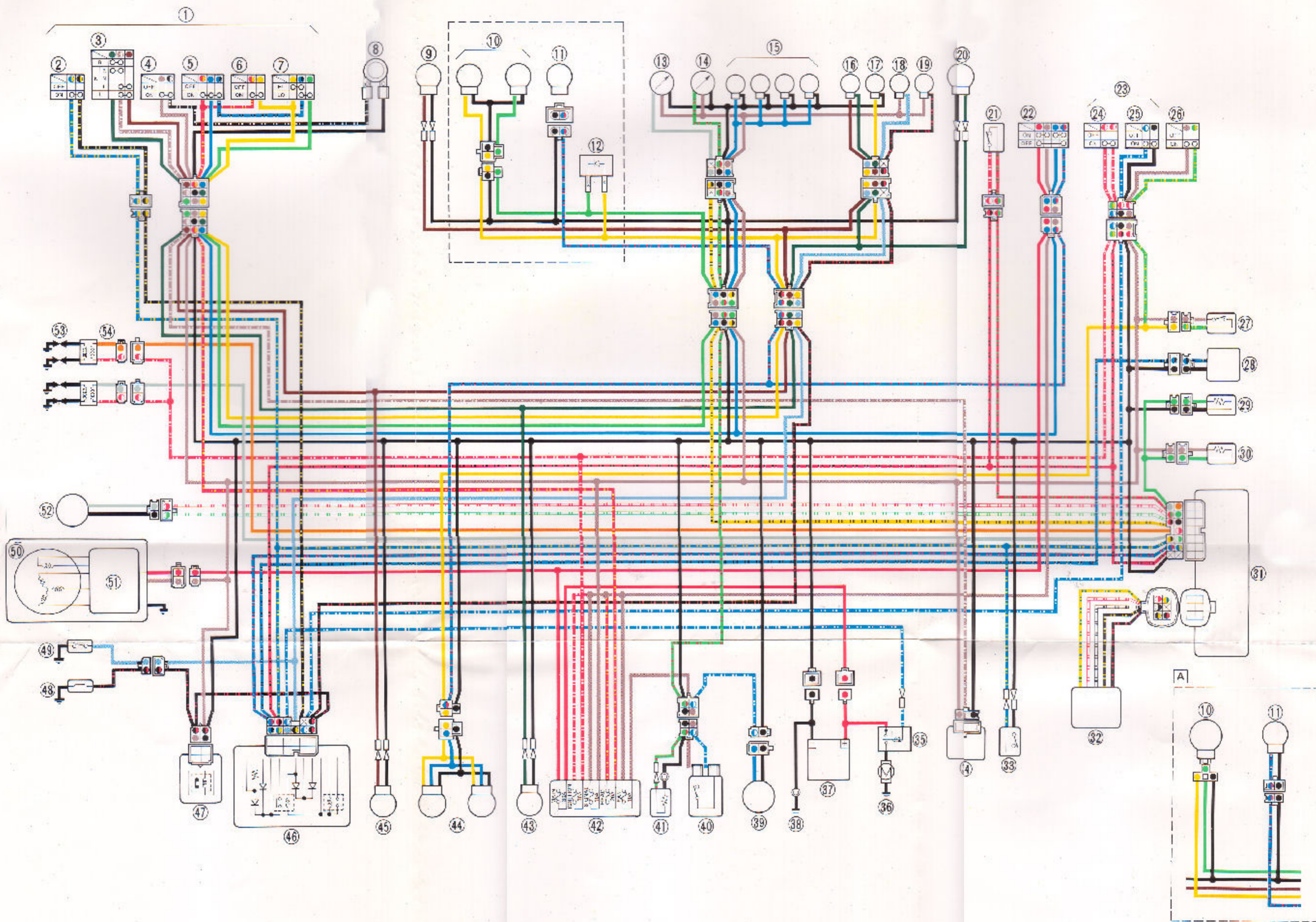
IWATA, JAPAN

PRINTED IN JAPAN
90・9 - 1.6 x 1 CH
(英)

FZR1000 (B) WIRING DIAGRAM

FZR1000 (B) PLAN DE CABLAGE

FZR1000 (B) SCHALTPLAN



- ① Handlebar switch (Left)
- ② Clutch switch
- ③ "TURN" signal switch
- ④ "HORN" switch
- ⑤ "LIGHTS" switch
- ⑥ "PASS" switch
- ⑦ "LIGHTS" (Dimmer) switch
- ⑧ Horn
- ⑨ Front flasher light (Left)
- ⑩ Headlight
- ⑪ Auxiliary light
- ⑫ Diode
- ⑬ Tachometer
- ⑭ Engine temperature gauge
- ⑮ Meter light
- ⑯ "TURN" indicator light
- ⑰ "HIGH BEAM" indicator light
- ⑱ "OIL LEVEL" indicator light
- ⑲ Front flasher light (Right)
- ⑳ Neutral switch
- ㉑ "FUEL" (Reserve) switch
- ㉒ Main switch
- ㉓ Handlebar switch (Right)
- ㉔ "ENGINE STOP" switch
- ㉕ "START" switch
- ㉖ Front brake switch
- ㉗ Rear brake switch
- ㉘ Fuel pump

- ㉙ Fuel sender
- ㉚ Resistor
- ㉛ Ignitor unit
- ㉜ Servo motor
- ㉝ Sidestand switch
- ㉞ Flasher relay
- ㉟ Starter relay
- ㊱ Starter motor
- ㊲ Battery
- ㊳ Frame earth
- ㊴ Fan motor
- ㊵ Thermal switch
- ㊶ Thermo unit
- ㊷ Fuse box
- ㊸ Rear flasher light (Right)
- ㊹ Tailbrake light
- ㊺ Rear flasher light (Left)
- ㊻ Relay
- ㊼ Relay (Oil level gauge)
- ㊽ Oil level gauge
- ㊾ Neutral switch
- ㊿ A.C. generator
- Ⓚ Rectifier/regulator
- Ⓛ Pick up coil
- Ⓜ Spark plug
- Ⓨ Ignition coil

- ① Commutateur sur guidon (Gauche)
- ② Contacteur d'embrayage
- ③ Commutateur des cliquetants "TURN"
- ④ Contacteur d'avertisseur "HORN"
- ⑤ Commutateur d'éclairage "LIGHTS"
- ⑥ Commutateur d'appel de phare "PASS"
- ⑦ Contacteur phare/stop "LIGHTS"
- ⑧ Avertisseur
- ⑨ Clignoteur avant (Gauche)
- ⑩ Phare
- ⑪ Témoin auxiliaire
- ⑫ Lampe (stop) de point-mort "NEUTRAL"
- ⑬ Témoin de niveau d'huile "OIL LEVEL"
- ⑭ Clignoteur avant (Droit)
- ⑮ Contacteur "FUEL" (Réserve)
- ⑯ Contacteur à clé
- ⑰ Commutateur sur guidon (Droit)
- ⑱ Commutateur "ENGINE STOP"
- ⑲ Commutateur de démarrage "START"

- ⑳ Contacteur avant de feu stop
- ㉑ Contacteur arrière de feu stop
- ㉒ Pompe à essence
- ㉓ Transmetteur de niveau d'essence
- ㉔ Contacteur de la béquille latérale
- ㉕ Bloc allumage
- ㉖ Servo-poussoir
- ㉗ Commutateur de la béquille latérale
- ㉘ Relais pompe à essence
- ㉙ Relais à démarrage
- ㉚ Commutateur de démarrage
- ㉛ Butem
- ㉜ Masse
- ㉝ Moteur ventilateur
- ㉞ Thermostat
- ㉟ Sonde thermique
- Ⓛ Bloc de fusibles
- Ⓜ Clignoteur arrière (Droit)
- Ⓨ Feu stop arrière
- Ⓩ Clignoteur arrière (Gauche)
- ⓐ Relais
- ⓑ Relais (indicateur de niveau d'huile)
- ⓒ Indicateur de niveau d'huile
- ⓓ Contacteur de point-mort
- ⓔ Alimenteur
- ⓕ Redresseur/régulateur
- ⓖ Bobine d'ignition
- ⓗ Bougie
- ⓓ Bobine d'allumage

- ① Lenkerschalter (Links)
- ② Kupplungsschalter
- ③ Blinklichtschalter "TURN"
- ④ Hupe "HORN"
- ⑤ Lichtschalter "LIGHTS"
- ⑥ Lichtschalter "PASS"
- ⑦ Abblendlichtschalter "LIGHTS"
- ⑧ Signalhorn
- ⑨ Vorderes Blinklicht (Links)
- ⑩ Scheinwerfer
- ⑪ Zusatzlampe
- ⑫ Diode
- ⑬ Drehzahlmesser
- ⑭ Motortemperaturanzeige
- ⑮ Instrumentenbeleuchtung
- ⑯ Blinklicht-Anzeigelampe "TURN"
- ⑰ Fernlicht-Kontrollampe "HIGH BEAM"
- ⑱ Leerlauf-Kontrollampe "NEUTRAL"
- ⑲ Ölwarnlampe "OIL LEVEL"
- ⑳ Vorderes Blinklicht (Rechts)
- ㉑ Kraftstoff-Reserveschalter
- ㉒ Hauptschalter
- ㉓ Lenkerschalter (Rechts)
- ㉔ Motorstoppschalter "ENGINE STOP"
- ㉕ Anlasserschalter "START"
- ㉖ Vorderer-Bremslichtschalter
- ㉗ Hinterrad-Bremslichtschalter

- ㉘ Kraftstoffpumpe
- ㉙ Treibstoff-Sensor
- ㉚ Widerstand
- ㉛ Zündeinheit
- ㉜ Servomotor
- ㉝ Blinkerrelais
- ㉞ Seitenständer-Schalter
- ㉟ Relais
- Ⓛ Anlasser
- Ⓜ Batterie
- Ⓨ Masse
- Ⓩ Gebläsemotor
- ⓐ Thermschalter
- ⓑ Thermoeinheit
- ⓓ Sicherungskasten
- ⓔ Hinteres Blinklicht (Rechts)
- ⓕ Schluß-/Bremslampe
- ⓖ Hinteres Blinklicht (Links)
- ⓗ Relais
- ⓓ Relais (Ölstandmesser)
- ⓔ Ölstandmesser
- ⓕ Leerlaufkontrolle
- ⓖ Drehstrom-Lichtmaschine
- ⓗ Gleichrichter
- ⓓ Spannungsgenerator
- ⓔ Suchspule
- ⓕ Zündkerze
- ⓖ Zündspule

COLOR CODE	CODICE DEI COLORI	FARBENKODIERUNG
Black Noir Schwarz	Grey Gris Grau	Red/Black Rouge/Noir Rot/Schwarz
Red Rouge Rot	Sky blue Bleu Ciel Himmelblau	Red/Green Rouge/Vert Rot/Grün
Blue Bleu Blau	Dark green Vert Foncé Dunkelgrün	Red/White Rouge/Blanc Rot/Weiß
Green Vert Grün	Black/Red Noir/Rouge Schwarz/Rot	Blue/Black Bleu/Noir Blau/Schwarz
Orange Orange Orange	Black/Blue Noir/Bleu Schwarz/Blau	Blue/Red Bleu/Rouge Blau/Rot
Yellow Jaune Gelb	Black/Yellow Noir/Jaune Schwarz/Gelb	Blue/Yellow Bleu/Jaune Blau/Gelb
Brown Brun Braun	Black/White Noir/Blanc Schwarz/Weiß	Blue/White Bleu/Blanc Blau/Weiß
Chocolate Chocolat Schokoladenfarbe	Red/Yellow Rouge/Jaune Rot/Gelb	Green/Red Vert/Rouge Grün/Rot
		Green/Yellow Vert/Jaune Grün/Gelb
		Yellow/Black Jaune/Noir Gelb/Schwarz
		Yellow/Red Jaune/Rouge Gelb/Rot
		Brown/White Brun/Blanc Braun/Weiß
		White/Red Blanc/Rouge Weiß/Rot
		White/Black Blanc/Noir Weiß/Schwarz

Ⓛ For F, DK, GB, AUS, NZ

Ⓛ Pour F, DK, GB, AUS, NZ