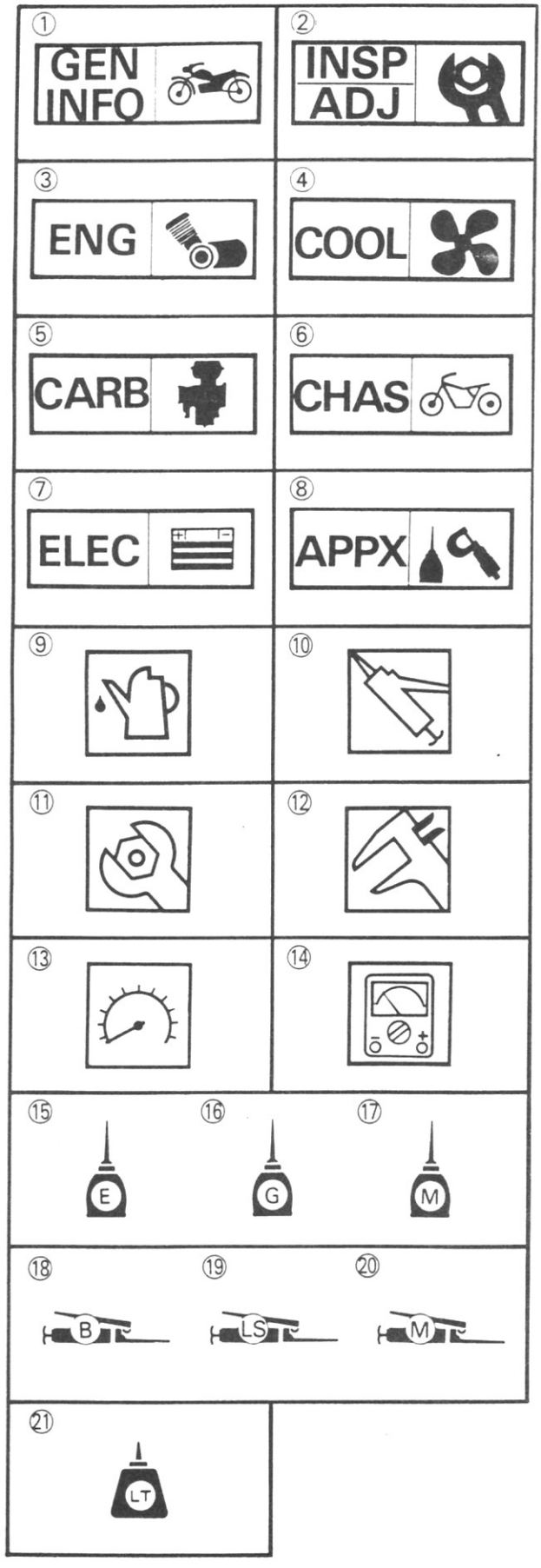
YAMAHA

RD350LC/ RD350LCF '86

1UA-AE1

SUPPLEMENTARY SERVICE MANUAL

CONTENTS



ILLUSTRATED SYMBOLS (Refer to the illustration)

Illustrated symbols ① to ⑧ are designed as thumb tabs to indicate the chapter's number and content.

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

Illustrated symbols ⑨ to ⑭ are used to identify the specifications appearing in the text.

⑨ Filling fluid
⑩ Lubricant
⑪ Tightening
⑫ Wear limit, clearance
⑬ Engine speed
⑭ Ω, V, A

Illustrated symbols ⑮ to ㉑ in the exploded diagram indicate grade of lubricant and location of lubrication point.

⑮ Apply engine oil
⑯ Apply gear oil
⑰ Apply molybdenum disulfide oil
⑱ Apply wheel bearing grease
⑲ Apply lightweight lithium-soap base grease
⑳ Apply molybdenum disulfide grease
㉑ Apply locking agent (LOCTITE®)

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.

TECHNICAL PUBLICATIONS
SERVICE DIVISION
MOTORCYCLE OPERATIONS
YAMAHA MOTOR CO., LTD.

HOW TO USE THIS MANUAL

PARTICULARLY IMPORTANT INFORMATION

This material is distinguished by the following notation.

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

CAUTION: A CAUTION indicates special procedures that must be followed to avoid damage to the motorcycle.

WARNING: A WARNING indicates special procedures that must be followed to avoid injury to a motorcycle operator or person inspecting or repairing the motorcycle.

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, assembly, and 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.

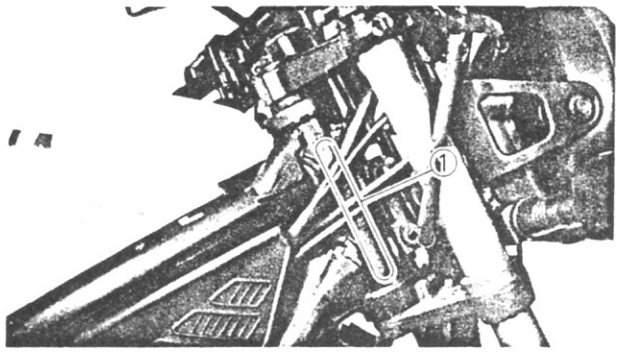
FOREWORD

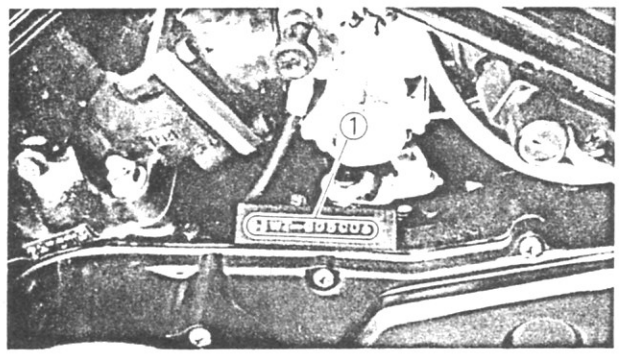
This Supplementary Service Manual has been prepared to introduce new service and new data for the RD350LC/RD350LCF. For complete information on service procedures, it is necessary to use this Supplementary Service Manual together with following manual.

RD250LC/RD350LC SERVICE MANUAL (31L-28197-80)
RD350/350F SUPPLEMENTARY SERVICE MANUAL (57V-AE1)

RD350LC/RD350LCF
SUPPLEMENTARY SERVICE MANUAL

1st Edition, February 1986





GENERAL INFORMATION

MOTORCYCLE IDENTIFICATION

FRAME SERIAL NUMBER

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

ENGINE SERIAL NUMBER

The engine serial number (1) is stamped into the elevated part of the left rear section of the engine.

NOTE:

The first three digits of these numbers are for model identifications; the remaining digits are the unit production number.

Starting Serial Number:

RD350LC

1UA	1WT-005101
1XA	1WW-002101
1XE	1WX-002101

RD350LCF

1WT	1WT-000101
1WU	1WU-000101
1WW	1WW-000101
1WX	1WX-000101

NOTE:

Designs and specifications are subject to change without notice.

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 vehicle operation and a longer service life. The need for costly overhaul work will be greatly reduced. This information applies to vehicles already in service as well as new vehicles that are being prepared for sale. All service technicians should be familiar with this entire chapter.

PERIODIC MAINTENANCE/LUBRICATION INTERVALS

Unit: km (mi)

ITEM	REMARKS	BREAK-IN 1,000 (600)	EVERY 6,000 (4,000) or 6 Months	EVERY 12,000 (8,000) or 12 Months
Spark plug(s)	Check condition. Clean or replace if necessary.	○	○	○
Air filter	Clean. Replace if necessary.		○	○
Carburetor*	Check idle speed (/synchronization)/ starter operation. Adjust if necessary.	○	○	○
Fuel line*	Check fuel hose (and vacuum pipe) for cracks or damage. Replace if necessary.		○	○
Transmission oil*	Check oil level/oil leakage. Correct if necessary. Replace every 24,000 (16,000) or 24 months. (Warm engine before draining.)	REPLACE	○	○
Autolube pump*	Check operation. Correct if necessary. Air bleeding.	○	○	○
Brake*	Check operation/fluid leakage/See NOTE. Correct if necessary.		○	○
Clutch	Check operation. Adjust if necessary.		○	○
Rear arm pivot*	Check rear arm assembly for looseness. Correct if necessary. Moderately repack every 24,000 (16,000) or 24 months.			○
Rear suspension link pivots*	Check operation. Apply grease lightly every 24,000 (16,000) or 24 months.			○
Wheels*	Check balance/damage/runout. Repair if necessary.		○	○
Wheel bearings*	Check bearings assembly for looseness/ damage. Replace if damaged.		○	○
Steering bearing*	Check bearings assembly for looseness. Correct if necessary. Moderately repack every 24,000 (16,000) or 24 months. **	○		○
Front forks*	Check operation/oil leakage. Repair if necessary.		○	○
Rear shock absorber*	Check operation./oil leakage. Repair if necessary.		○	○

INSP ADJ

PERIODIC MAINTENANCE/ LUBRICATION INTERVALS

Unit: km (mi)

ITEM	REMARKS	BREAK-IN 1,000 (600)	EVERY	
			6,000 (4,000) or 6 Months	12,000 (8,000) or 12 Months
Cooling system	Check coolant leakage. Repair if necessary. Replace coolant every 24,000 (16,000) or 24 months.		○	○
Drive chain	Check chain slack/alignment. Adjust if necessary. Clean and lube.	EVERY 500 (300)		
Fittigns/Fasteners*	Check all chassis fittings and fasteners. Correct if necessary.	○	○	○
Center and sidestand*	Check operation. Repair if necessary.	○	○	○
Sidestand switch*	Check operation. Clean or replace if necessary. (E)(G)(S)(D)(N)(Sw)(Ar)	○	○	○
Battery*	Check specific gravity. Check breather pipe for proper operation. Correct if necessary.		○	○

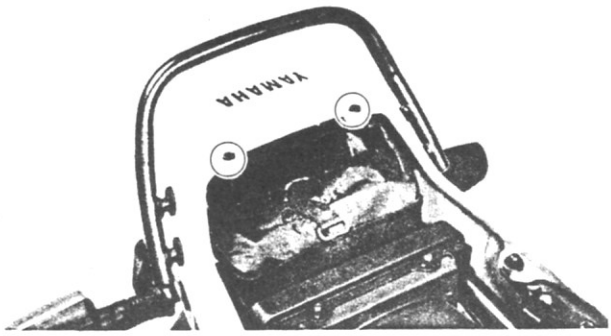
*: It is recommended that these items be serviced by a Yamaha dealer.
**: Medium weight wheel bearing grease.
***: Lithium soap base grease.

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 the 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.

(E) For England
(G) For Germany
(S) For Switzerland
(D) For Denmark
(N) For Norway
(Sw) For Sweden
(Ar) For Austria



COWL

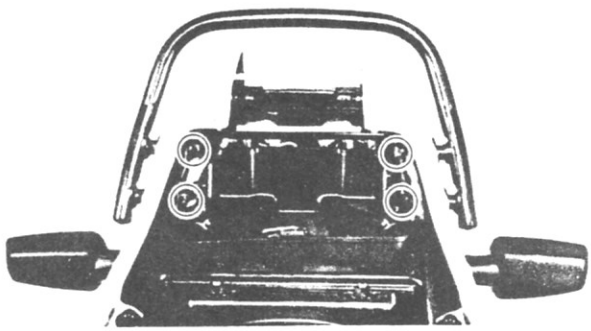
SIDE COVER

Removal

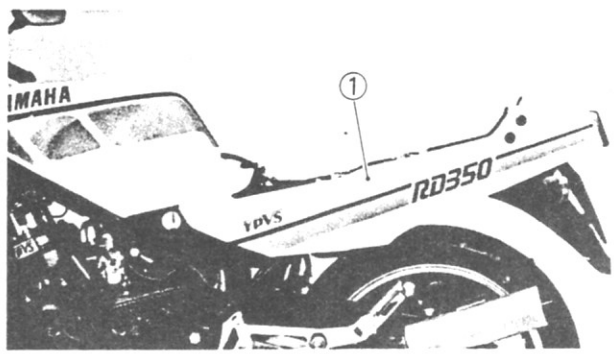
1. Remove:
   - Seat
   - Cover (Center)

NOTE:

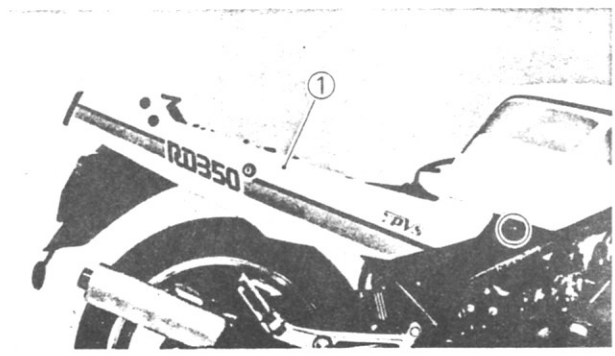
Unhook the cover at front and pull out it toward the front.



2. Remove:
   - Owner's tool kit
   - Grab bar



3. Remove:
   - Side cover (1) (Left)



4. Remove:
   - Side cover (1) (Right)

AUTOLUBE PUMP CABLE ADJUSTMENT

Installation

Reverse the removal procedure.
Note the following points.

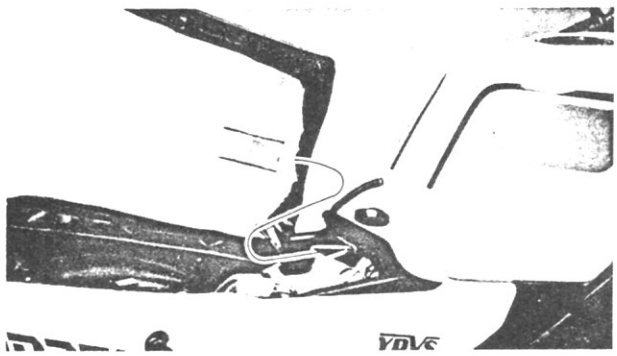
1. Install:
   - Grab bar

	Bolts (Grab Bar): **15 Nm (1.5 m•kg, 11 ft•lb)**

2. Install:
   - Cover (center)

NOTE:

Insert the holding rods on the cover into the rod holes on the tail cover.



3. Install:
   - Seat

NOTE:

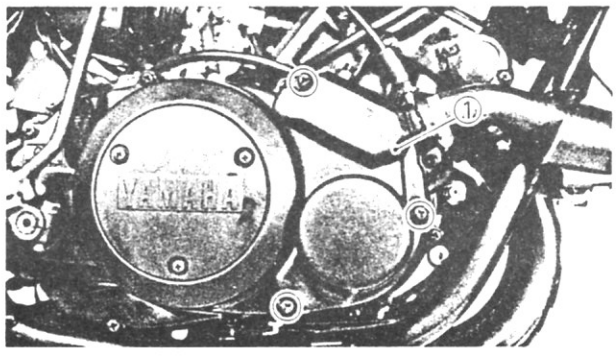
Insert the lobe on the seat front into the receptacle on the frame, then push down the seat at the end.

ENGINE

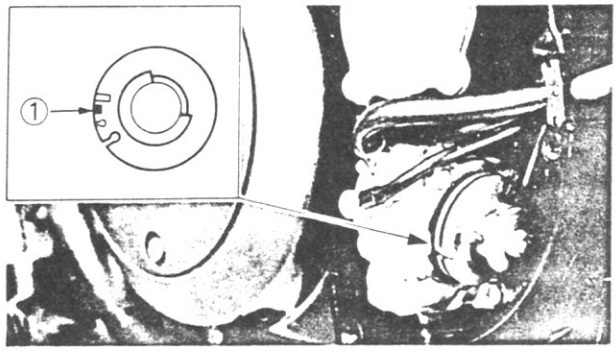
AUTOLUBE PUMP CABLE ADJUSTMENT

NOTE:

Before adjusting Autolube cable always set carburetors synchronization and throttle cable free play first.

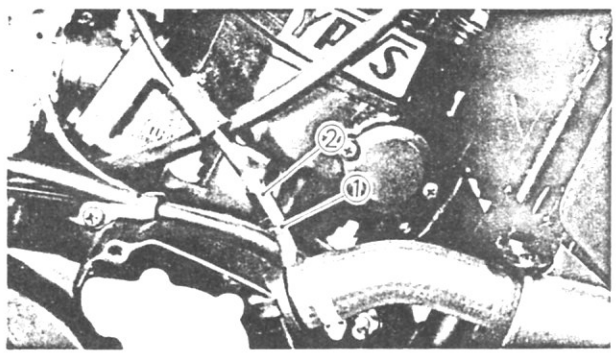


1. Remove:
   - Lower cowl (For RD350LCF)
   - Right center cowl (For RD350LCF)
   - Autolube pump cover (1)



2. Fully open the throttle grip.
   Hold this position.

3. Check:
   • Alignment mark ①
   Mark and pin are not in alignment → Adjust pump cable.



Autolube pump cable adjustment steps:
- Loosen the locknut ①.
- Turn the adjuster ② in or out until the alignment mark is aligned.
- Tighten the locknut.

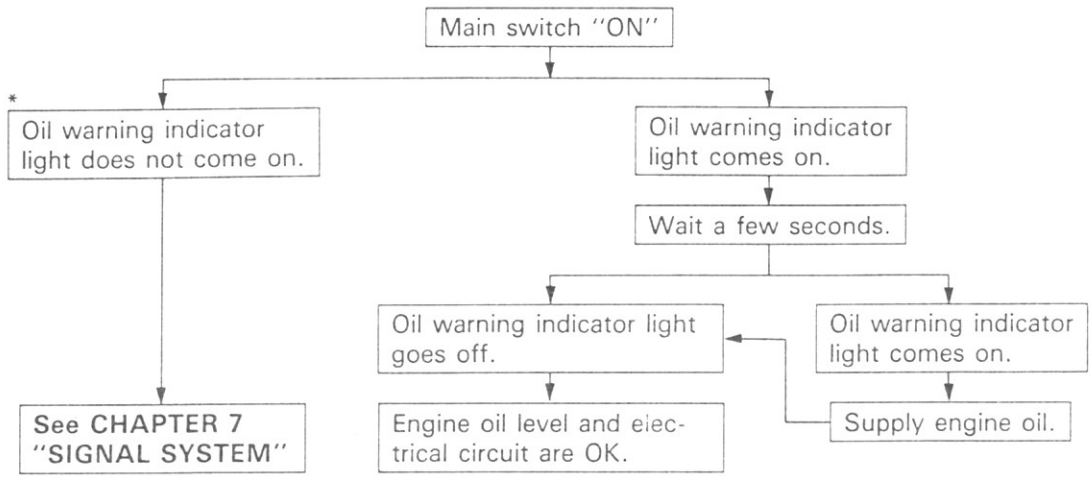
4. Install:
   • Autolube pump cover
   • Right center cowl (For RD350LCF)
   • Lower cowl (For RD350LCF)

ENGINE OIL LEVEL CHECK

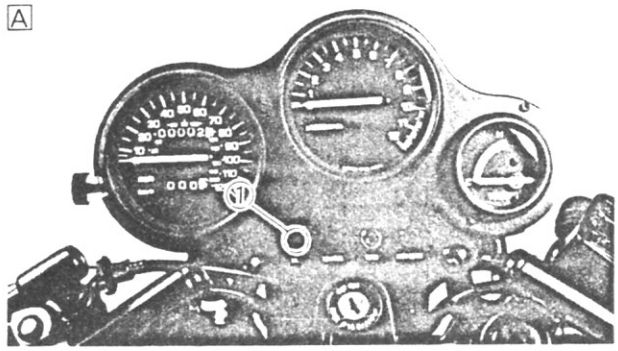
1. Check:
   • Oil level
   Oil level low → Add sufficient oil.
   Refer to next chart.

ENGINE OIL LEVEL CHECK

Oil Level and "Oil" Warning Indicator Light Checking Method



A



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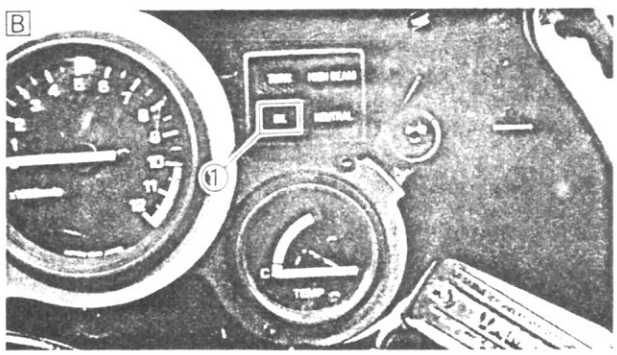
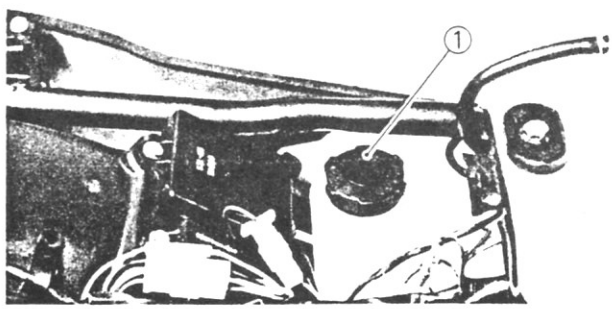




*

NOTE:

If the main switch is turned off after the oil warning light goes out and then immediately again the main switch is turned on, the oil warning light may not come on. This is not because of failure.

A For RD350LC
B For RD350LCF

① "OIL" warning indicator light

Recommended Oil:
Yamaha Oil 2T or Equivalent
Aircooled 2-stroke Engine Oil
Oil Quantity:
Total Amount:
1.6 L (1.4 Imp qt, 1.7 US qt)

NOTE:

Be sure to push the cap into the filler neck until it is properly seated.

① Oil tank cap

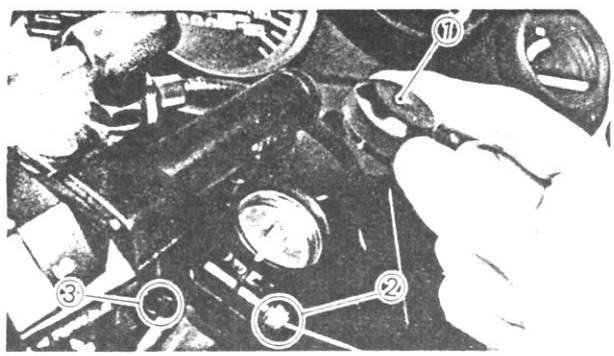
CHASSIS

FRONT FORK OIL CHANGE

WARNING:

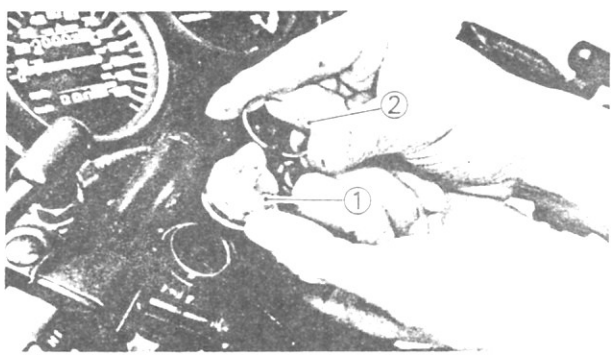
- **Fork oil leakage can cause loss of stability and safe handling. Have any problem corrected before operating the motorcycle.**
- **Securely support the motorcycle so there is no danger of it falling over.**

1. Remove:
   - Lower cowl (For RD350LCF)
2. Place the motorcycle on a block or other suitable stand under the frame.



3. Remove:
   - Fork cap ①

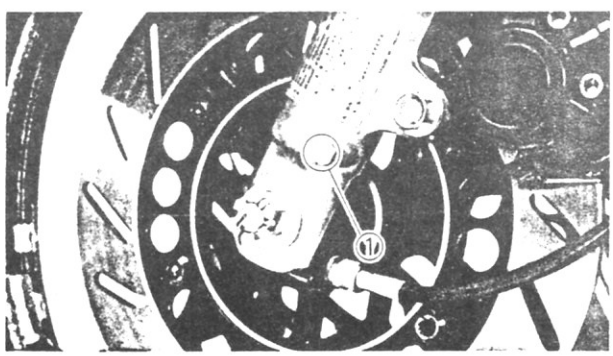
   Turn counterclockwise.
4. Loosen:
   - Pinch bolt (Handlebar) ②
   - Pinch bolt (Steering crown) ③
5. Keep the valve open by pressing it for several seconds so that the air can be let out of the inner tube.



6. Remove:
   - Cap ①
   - Stopper ring ②

NOTE:

Push down the cap using socket wrench, and remove the stopper ring by carefully prying out one end with a small screwdriver.



7. Remove:
   - Drain screw ①

   Drain the fork oil.

NOTE:

Place the open container under the drain hole.

FRONT FORK OIL CHANGE

WARNING:

Do not allow any oil to contact the disc brake components. If oil is discovered be sure to remove it, otherwise diminished braking capacity and damage to the rubber components of the brake assembly will occur.

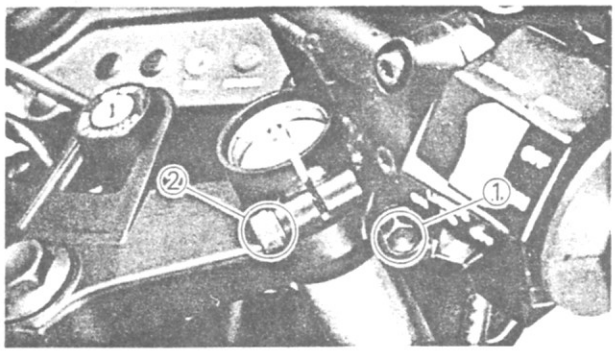
8. Inspect:
   - O-ring ①
   - Gasket (Drain screw)
   Wear/Damage→Replace.

9. Install:
   - Drain screw

10. Fill:
    - Front forks

Each Fork:
293 cm³ (10.3 Imp oz, 9.1 US oz)
Fork Oil 10 WT or Equivalent

After filling, pump the forks slowly up and down to distribute the oil.



11. Install:
    - Cap
    - Stopper ring
12. Tighten:
    - Pinch bolt (Steering crown) ①
    - Pinch bolt (Handlebar) ②

Pinch Bolt (Steering crown):
23 Nm (2.3 m•kg, 17 ft•lb)
Pinch Bolt (Handlebar):
20 Nm (2.0 m•kg, 14 ft•lb)

13. Fill:
    - Front fork
      Supply the air to specification.

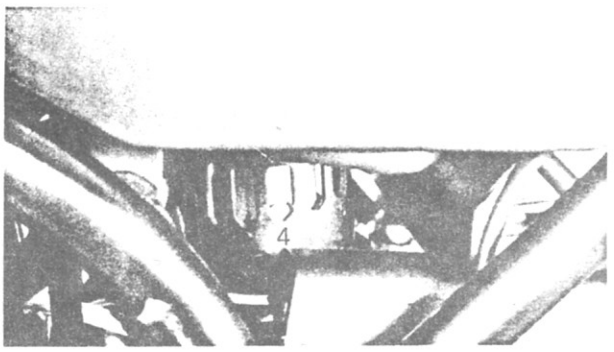
Standard Air Pressure:
39.2 kPa (0.4 kg/cm^2, 5.7 psi)

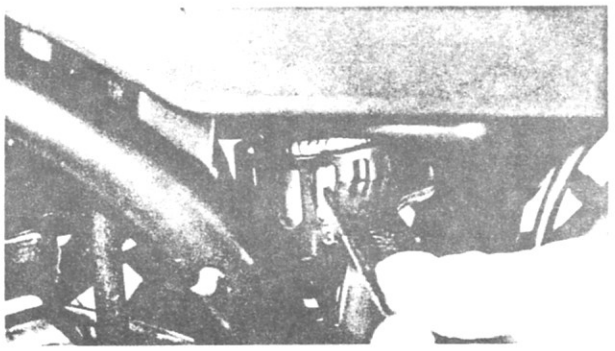
14. Install:
    - Fork cap
    - Lower cowl (For RD350LCF)

REAR SHOCK ABSORBER ADJUSTMENT

The spring pre-load of the rear shock absorber can be adjusted to suit rider preference, weight and the course conditions.

1. Remove:
    - Side cover (Right)
      Refer to "SIDE COVER" section.





2. Adjust:
    - Spring pre-load

To Increase Pre-load:
Turn Clockwise
To Decrease Pre-load:
Turn Counterclockwise

	Hard			STD	Soft		
Adjusting position	7	6	5	4	3	2	1

NOTE:
When adjusting, use the special wrench which is included in the owner's tool kit.

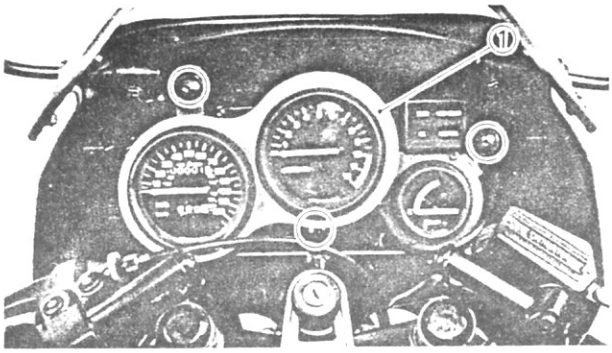
INSP ADJ

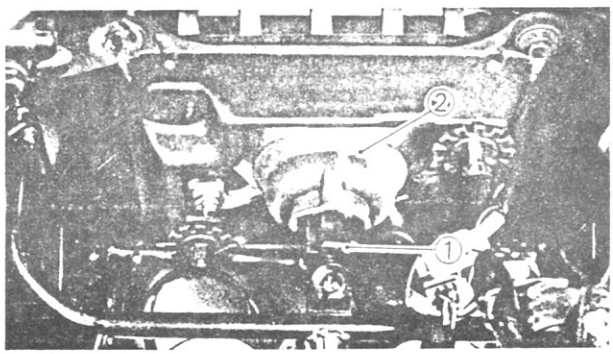
HEADLIGHT BULB REPLACEMENT

Recommended Combinations (Front Fork and Rear Shock Absorber)

Recommended combinations of the front fork and the rear shock absorber. Use this table as a guide to meet specific riding conditions and motorcycle load conditions.

	Front fork	Rear shock absorber	Loading condition			
	Air pressure	Spring seat	Solo rider	With accessory equipment	With passenger	With accessory equipment and passenger
1.	39.2 kPa (0.4 kg/cm^2, 5.7 psi)	4	○			
2.	58.8 kPa (0.6 kg/cm^2, 8.5 psi)	5		○		
3.	78.5 kPa (0.8 kg/cm^2, 11.4 psi)	6			○	
4.	98.1 kPa (1.0 kg/cm^2, 14.2 psi)	7				○





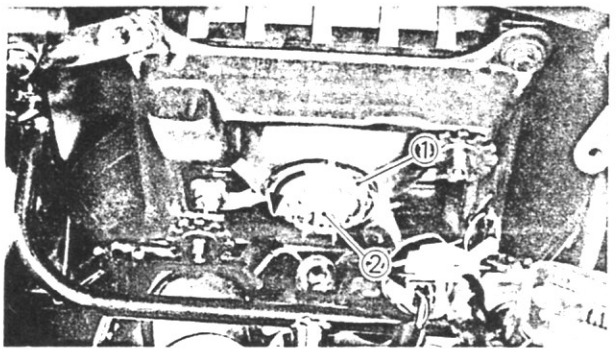
ELECTRICAL

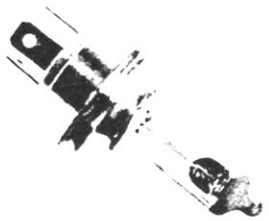
HEADLIGHT BULB REPLACEMENT

For RD350LCF

1. Remove:
   - Meter assembly ①

2. Disconnect:
   - Headlight connector ①
3. Remove:
   - Cover ②





4. Remove:
   - Bulb holder ①
     Turn counterclockwise.
   - Bulb ②

WARNING:

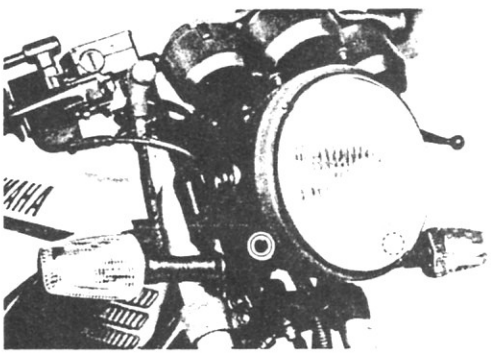
Do not touch headlight bulb when it is on as the bulb generates enormous heat; keep flammable objects away.

5. Install:
   - Bulb (New)

CAUTION:

Avoid touching glass part of bulb. Also keep it free from oil otherwise, transparency of glass, bulb life and illuminous flux will be adversely affected. If oil gets on bulb, clean it with a cloth moistened thoroughly with alcohol or lacquer thinner.

6. Install:
   - Bulb holder
   - Cover
7. Connect:
   - Headlight connector
8. Adjust:
   - Headlight
9. Install:
   - Meter assembly

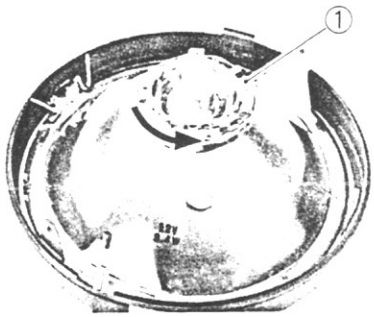


For RD350LC

1. Remove:
   - Headlight lens unit

2. Disconnect:
   - Headlight lead

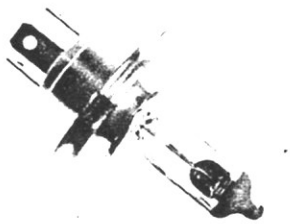
HEADLIGHT BEAM ADJUSTMENT



3. Remove:
   - Bulb holder ①
     Turn counterclockwise.
   - Bulb

WARNING:

Do not touch headlight bulb when it is on as the bulb generates enormous heat; keep flammable objects away.

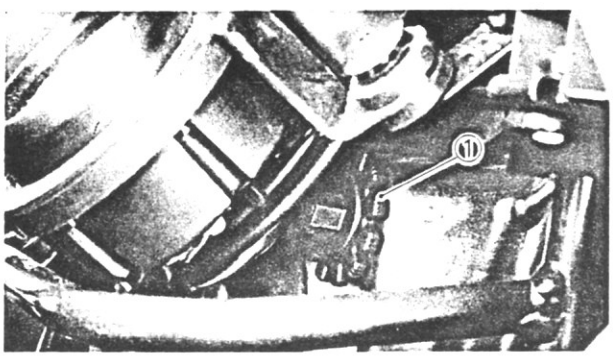


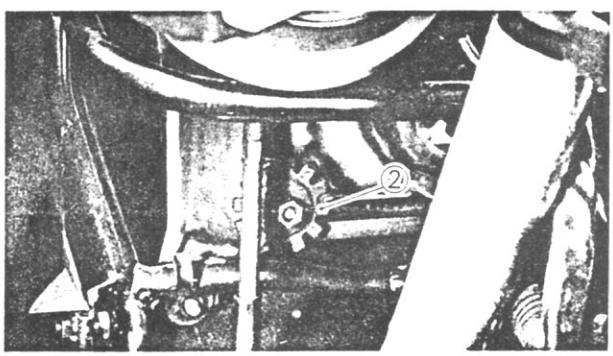
4. Install:
   - Bulb (New)

CAUTION:

Avoid touching glass part of bulb. Also keep it free from oil otherwise, transparency of glass, bulb life and illuminous flux will be adversely affected. If oil gets on bulb, clean it with a cloth moistened thoroughly with alcohol or lacquer thinner.

5. Install:
   - Bulb holder
   - Headlight lens unit





HEADLIGHT BEAM ADJUSTMENT

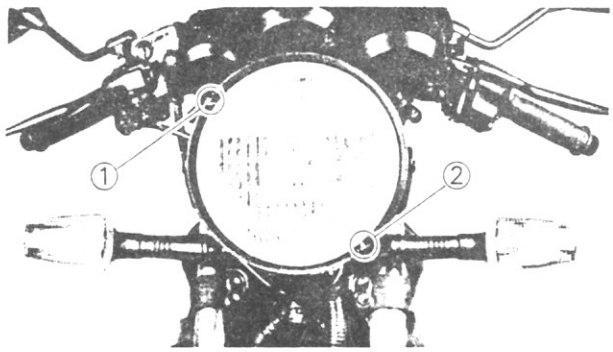
For RD350LCF

1. Adjust:
   - Headlight beam

Horizontal Adjustment	
Right	Turn adjusting knob ① clockwise
Left	Turn adjusting knob ① counterclockwise

Vertical adjustment	
Higher	Turn the adjusting knob ② counterclockwise
Lower	Turn the adjusting knob ② clockwise

INSP ADJ

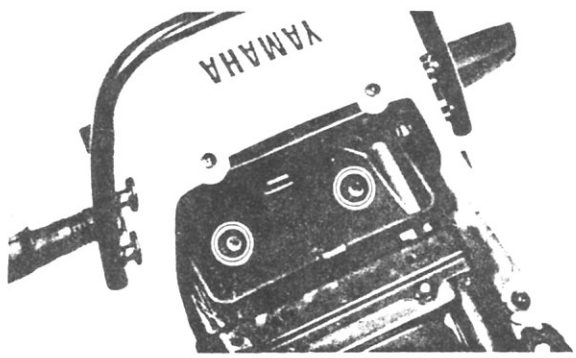


For RD350LC

1. Adjust:
   - Headlight beam

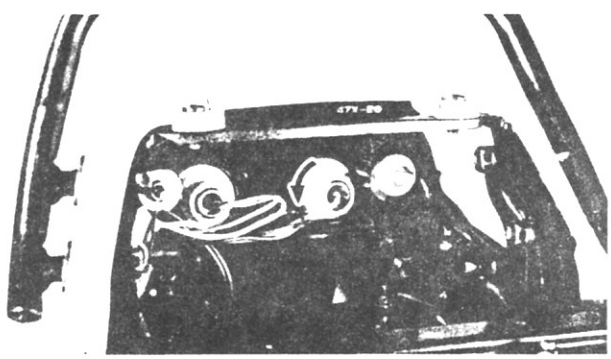
Horizontal Adjustment	
Left	Turn adjusting screw ① clockwise
Right	Turn adjusting screw ① counterclockwise

Vertical adjustment	
Lower	Turn the adjusting screw ② counterclockwise
Higher	Turn the adjusting screw ② clockwise



TAILLIGHT BULB(S) REPLACEMENT

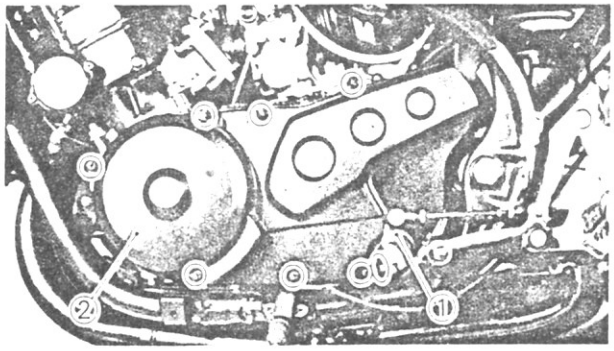
1. Remove:
   - Seat
   - Tool kit
   - Tool box



2. Remove:
   - Bulbs

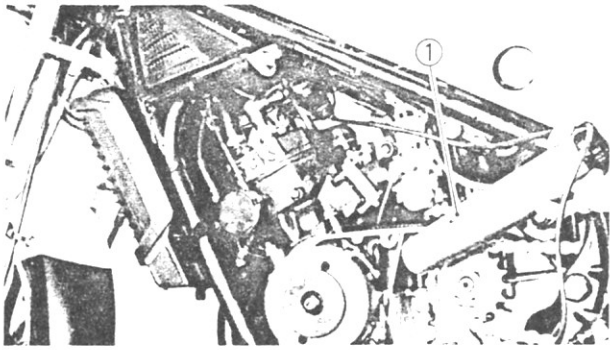
   Turn the bulb counterclockwise and remove.
3. Install:
   - Bulbs (New)
4. Connect:
   - Taillight connector
5. Install:
   - Tool box
   - Tool kit
   - Seat

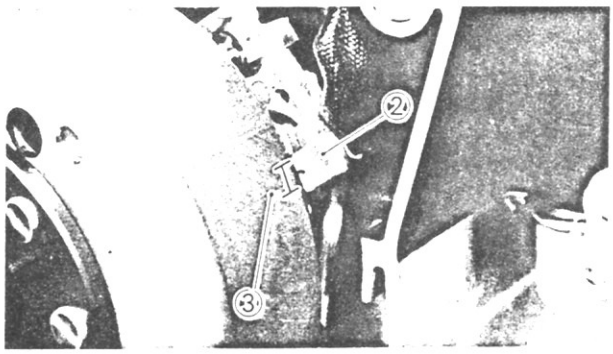
IGNITION TIMING CHECK



IGNITION TIMING CHECK

1. Removal:
   - Lower cowl (For RD350LCF)
     Refer to "LOWER COWL" section.
   - Change pedal ①
   - Crank case cover (Left) ②





2. Check:
   - Ignition timing

Ignition timing check steps:
- Connect the Timing Light (90890-03109) ① to the left side cylinder spark plug lead.
- Warm up the engine and let it at the specified speed of 1,200 r/min.
- Visually check the stationary pointer ② to verify it is within the required firing range ③ indicated on the flywheel.
  Incorrect firing range→Check timing plate and/or pickup assembly (tightness damage).

Refer to CHAPTER 7. "ELECTRICAL" for further information.

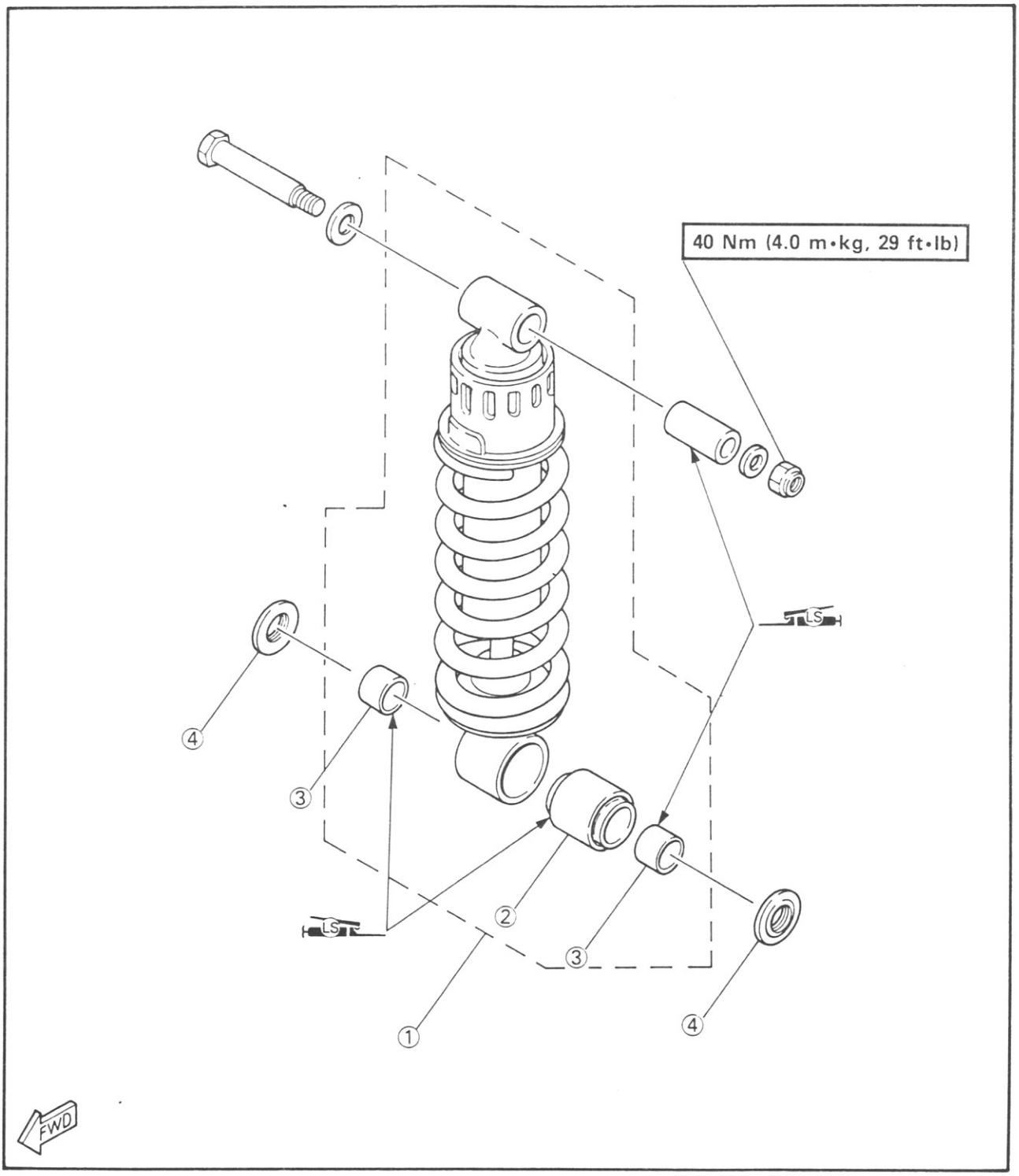
3. Install:
   - Crankcase cover (Left)
   - Change pedal
   - Lower cowl (For RD350LCF)

MEMO

CHASSIS

REAR SHOCK ABSORBER (MONOCROSS SUSPENSION "DE CARBON" SYSTEM)

① Rear shock absorber
② Bush
③ Solid bush
④ Dust cover

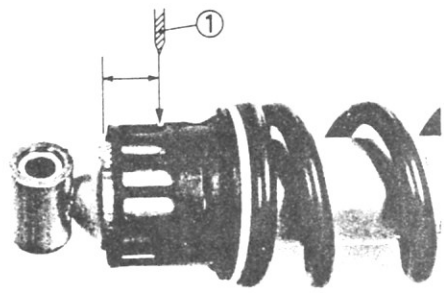


HANDLING NOTES

WARNING:

This shock absorber contains highly pressurized nitrogen gas. Read and understand the following information before handling the shock absorber. The manufacturer cannot be held responsible for property damage or personal injury that may result from improper handling.

1. **Do not tamper with or attempt to open the cylinder assembly.**
2. **Do not subject shock absorber to an open flame or other high heat source. This may cause the unit to explode due to excessive gas pressure.**
3. **Do not deform or damage the cylinder in any way. Cylinder damage will result in poor damping performance.**



NOTES ON DISPOSAL

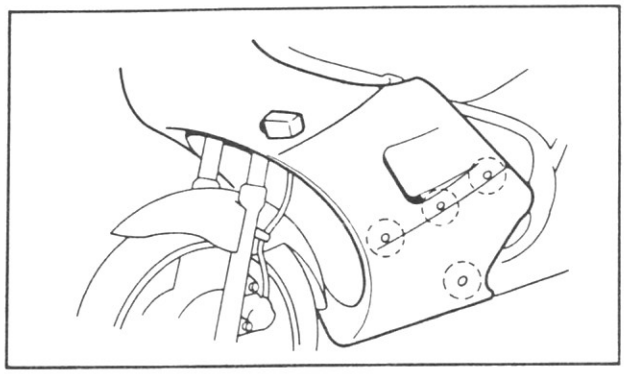
Before disposing the shock absorber, be sure to extract the nitrogen gas. To do so, drill a 2 ~ 3 mm (0.08 ~ 0.12 in) hole through the gas chamber at a position 10 ~ 15 mm (0.4 ~ 0.6 in) from top end of the rear shock absorber. At this time, wear eye protection to prevent eye damage from escaping gas and/or metal chips.

① Drill ø2 ~ 3 mm (ø0.08 ~ 0.12 in)

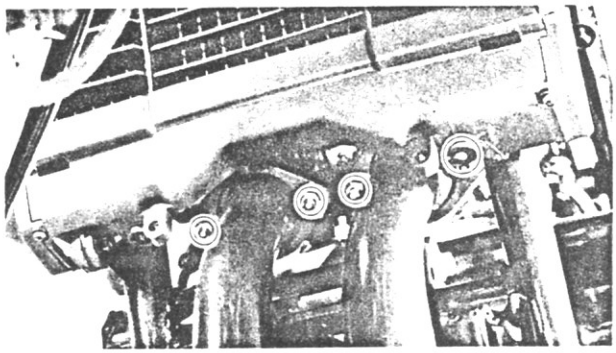
REMOVAL

1. Place the motorcycle on its centerstand.
2. Remove:
   - Seat
   - Side covers (Right and left)

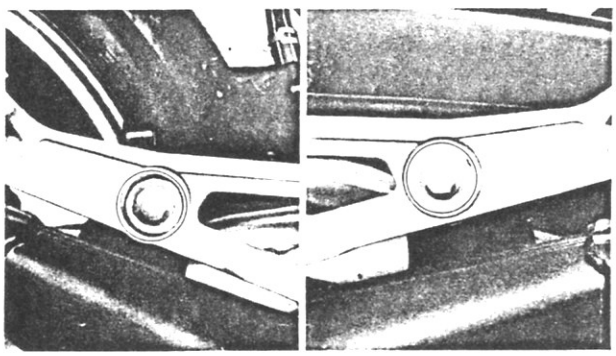
   Refer to "SIDE COVER" section.

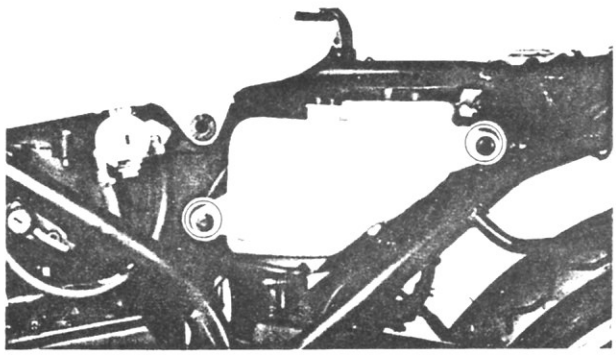


3. Remove:
   • Lower cowl (For RD350LCF)



4. Remove:
   • Exhaust pipes



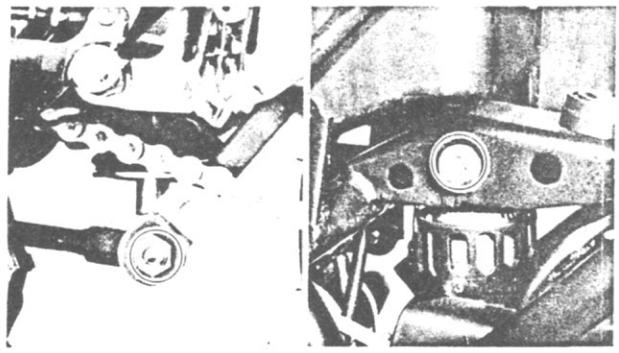


5. Remove:
   • Bolts (Oil tank)

6. Remove:
   • Battery

CAUTION:

Disconnect the negative lead first, and then disconnect the positive lead.



7. Remove:
   - Rear shock absorber

INSPECTION

1. Inspect:
   - Shock absorber
     Oil leaks/Damage→Replace.

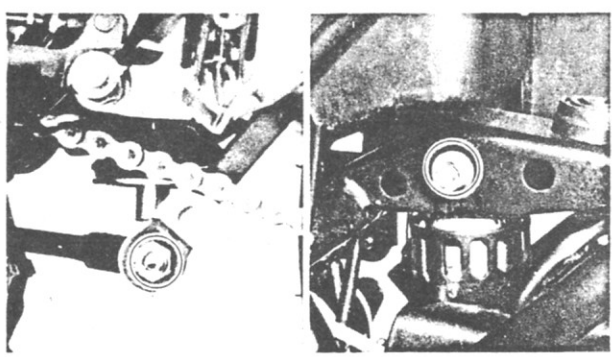
2. Inspect:
   - Collar
     Wear/Damage→Replace.
   - Solid bushes
     Wear/Damage→Replace.
   - Bush
     Wear/Damage→Replace.

INSTALLATION

Reverse the removal procedure.
Note the following points.

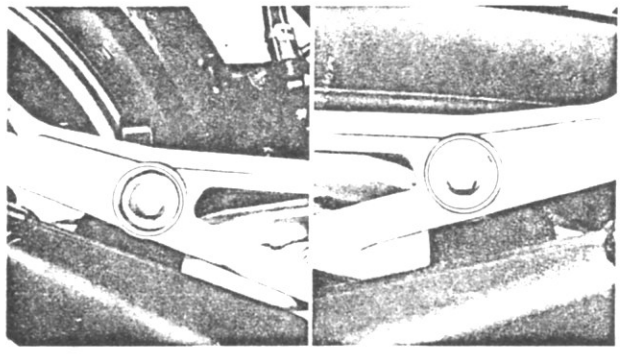
1. Apply:
   - Grease
     To collar, solid bushes and bush.

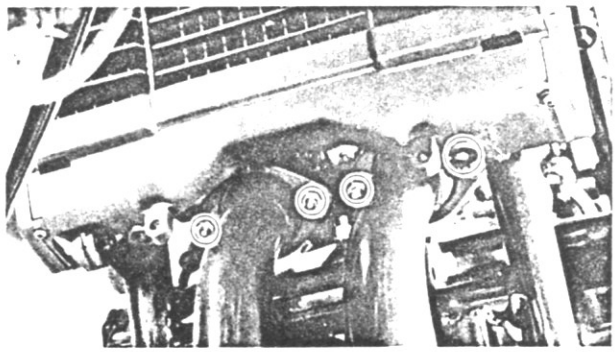
Lightweight Lithium-Soap Base Grease



2. Install:
   - Rear shock absorber

Nut (Upper):
40 Nm (4.0 m•kg, 29 ft•lb)
Nut (Lower):
65 Nm (6.5 m•kg, 47 ft•lb)





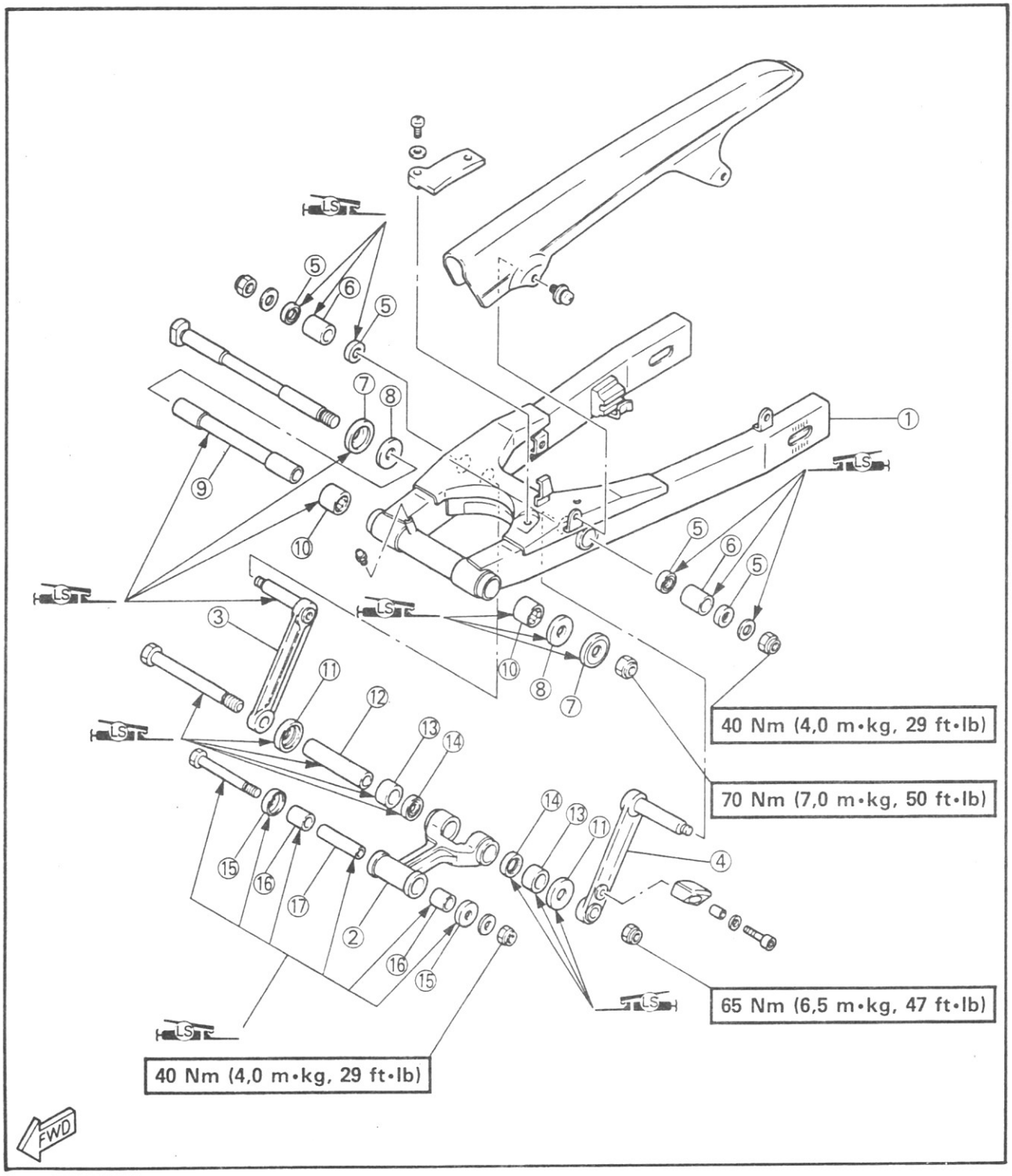
3. Install:
   • Mufflers

	Bolt (Muffler): 64 Nm (6.4 m•kg, 46 ft•lb)

	Nut (Exhaust Pipe): 18 Nm (1.8 m•kg, 13 ft•lb)

SWINGARM

① Swingarm
② Relay arm
③ Arm (Right)
④ Arm (Left)
⑤ Oil seal
⑥ Bush
⑦ Thrust cover
⑧ Plain washer
⑨ Bush
⑩ Bearing
⑪ Thrust cover
⑫ Collar
⑬ Bush
⑭ Oil seal
⑮ Thrust cover
⑯ Collar
⑰ Bush

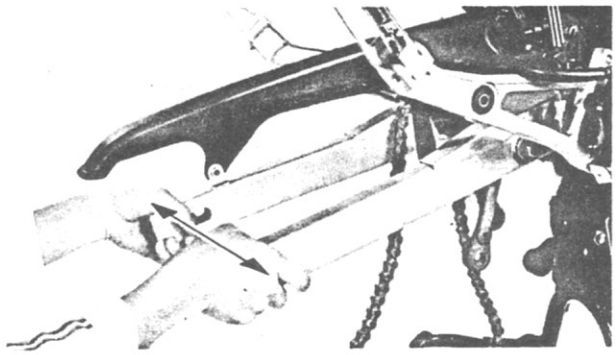


REMOVAL

1. Place the motorcycle on its centerstand.

2. Remove:
   - Rear wheel
   - Rear shock absorber

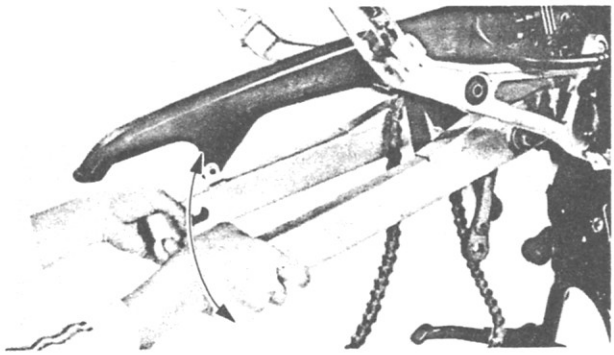
   Refer to "REAR SHOCK ABSORBER-REMOVAL" section.



3. Check:
   - Swingarm (Side play)

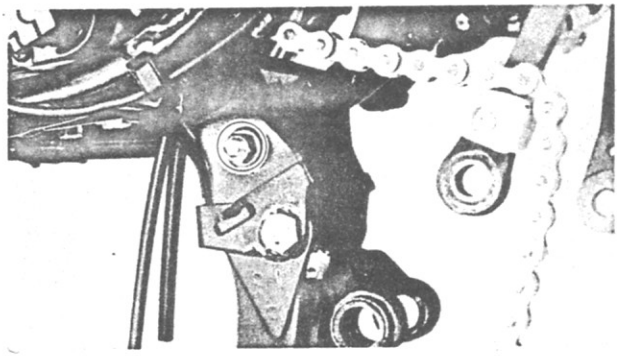
   Move the swingarm from side to side.
   Over specified limit→Replace bushes or bearings.

Side Play (At End of Swingarm):
1.0 mm (0.04 in)

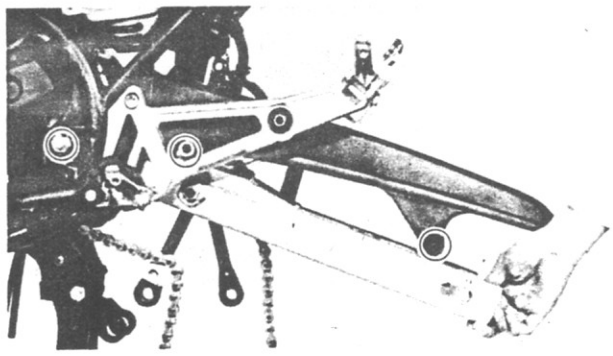


4. Check:
   - Swing arm (Vertical movement)

   Move the swingarm up and down.
   Tightness/Binding/Rough spots→Replace bearings.



5. Remove:
   - Relay arm



6. Remove:
   - Chain cover
   - Swingarm

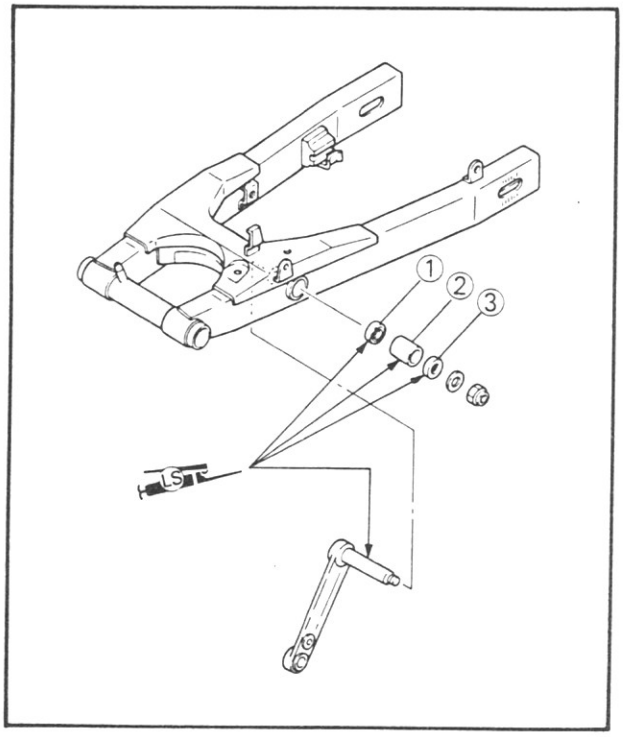
7. Remove:
   - Arm (Right)
   - Arm (Left)

INSPECTION

1. Inspect:
   - Oil seals
     Damage → Replace.
   - Thrust covers
     Damage → Replace.
   - Bushes
     Scratches/Damage → Replace.
   - Bearings
     Pitting/Damage → Replace.

INSTALLATION

Reverse the removal procedure.
Note the following points.



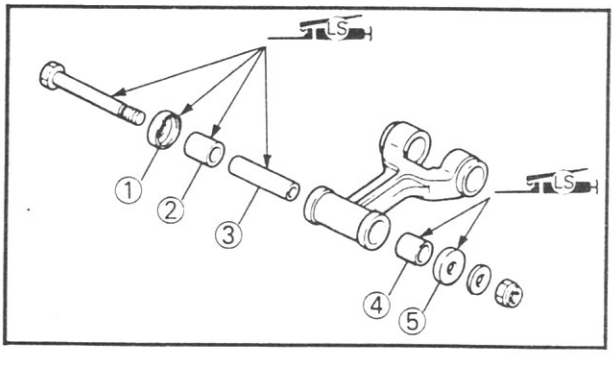
1. Apply:
   - Grease

	Lightweight Lithium-Soap Base Grease

① Oil seal
② Bush
③ Oil seal

2. Install:
   - Arm (Left)
   - Arm (Right)

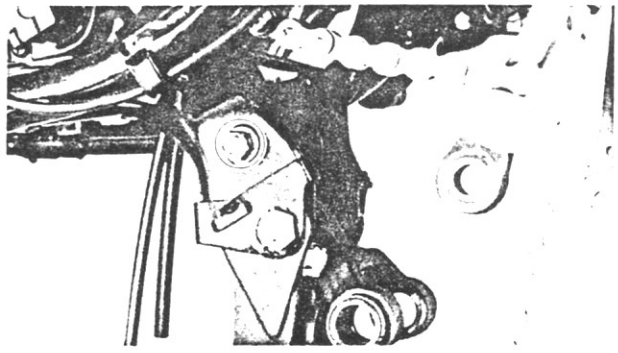
	Nut (Arm): **40 Nm (4.0 m·kg, 29 ft·lb)**



3. Apply:
   - Grease

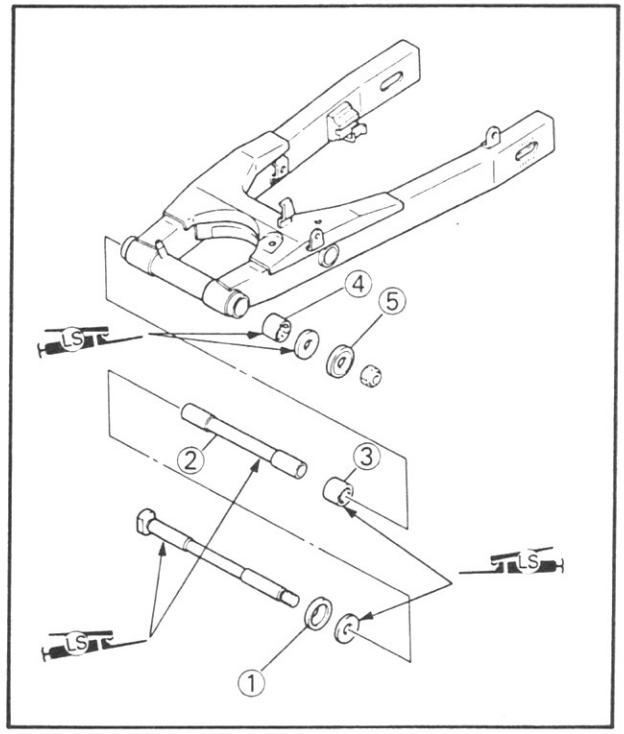
	Lightweight Lithium-Soap Base Grease

① Thrust cover
② Bush
③ Collar
④ Bush
⑤ Thrust cover



4. Install:
   • Relay arm

	Nut (Relay Arm): **40 Nm (4.0 m•kg, 29 ft•lb)**



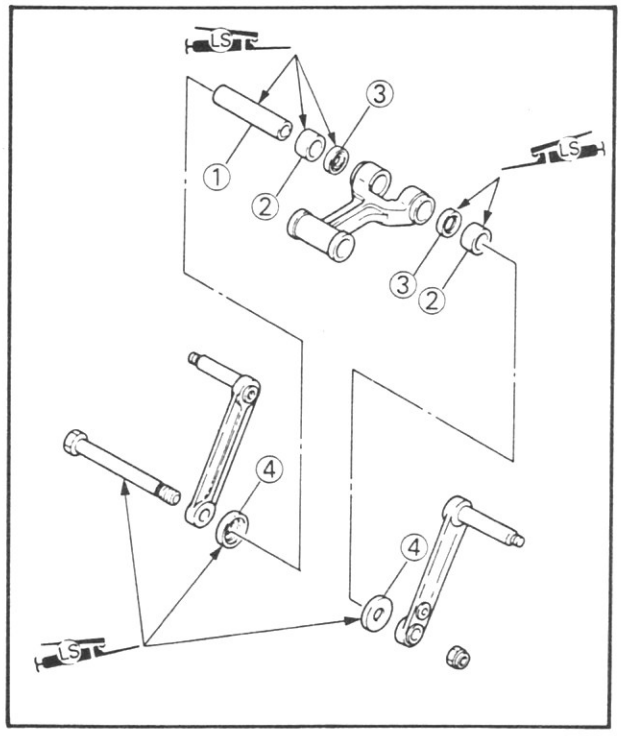
5. Apply:
   • Grease

	Lightweight Lithium-Soap Base Grease

① Thrust cover
② Bush
③ Bearing
④ Bearing
⑤ Thrust cover

6. Install:
   • Swingarm

	Nut (Pivot Axle): **70 Nm (7.0 m•kg, 50 ft•lb)**



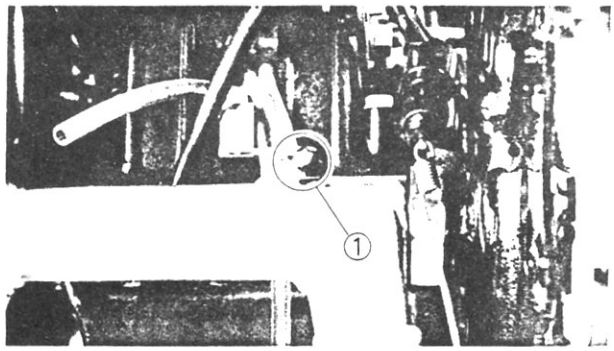
7. Apply:
   • Grease

	Lightweight Lithium-Soap Base Grease

① Collar
② Bush
③ Oil seal
④ Thrust cover

8. Tighten:
   • Nut

	Arm and Relay Arm **65 Nm (6.5 m•kg, 47 ft•lb)**



9. Apply:
   - Grease

	Lightweight Lithium-Soap Base Grease.

① Grease nipple

10. Install:
    - Rear shock absorber
    - Mufflers

    Refer to "REAR SHOCK ABSORBER-INSTALLATION" section.

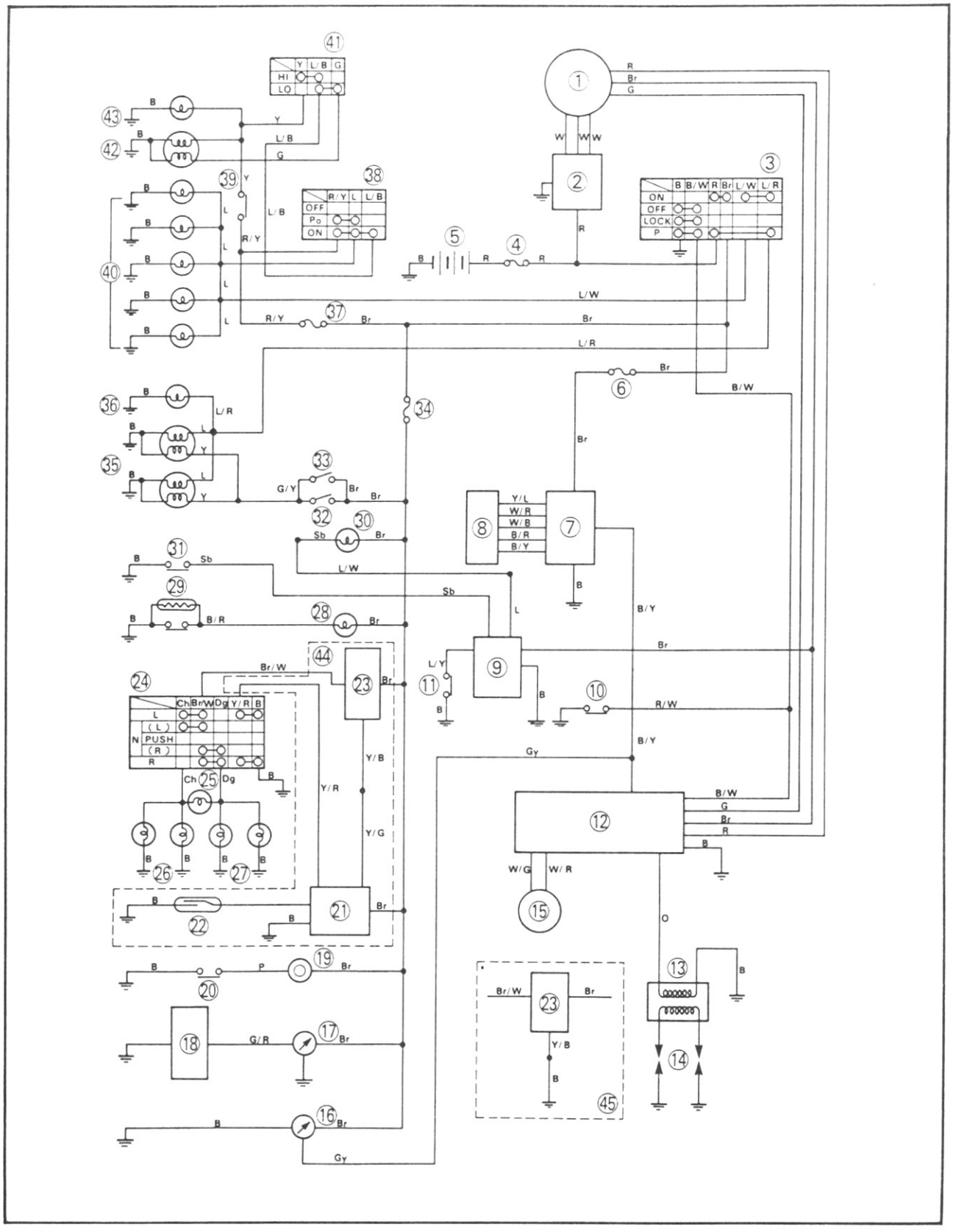
11. Install:
    - Rear wheel

	Nut (Rear Axle): **105 Nm (10.5 m•kg, 75 ft•lb)**

ELECTRICAL

RD350LC/RD350LCF CIRCUIT DIAGRAM

(FOR AUSTRIA, DENMARK, SWEDEN, ENGLAND, SWITZERLAND, GERMANY AND NORWAY)



RD350LC/RD350LCF CIRCUIT DIAGRAM

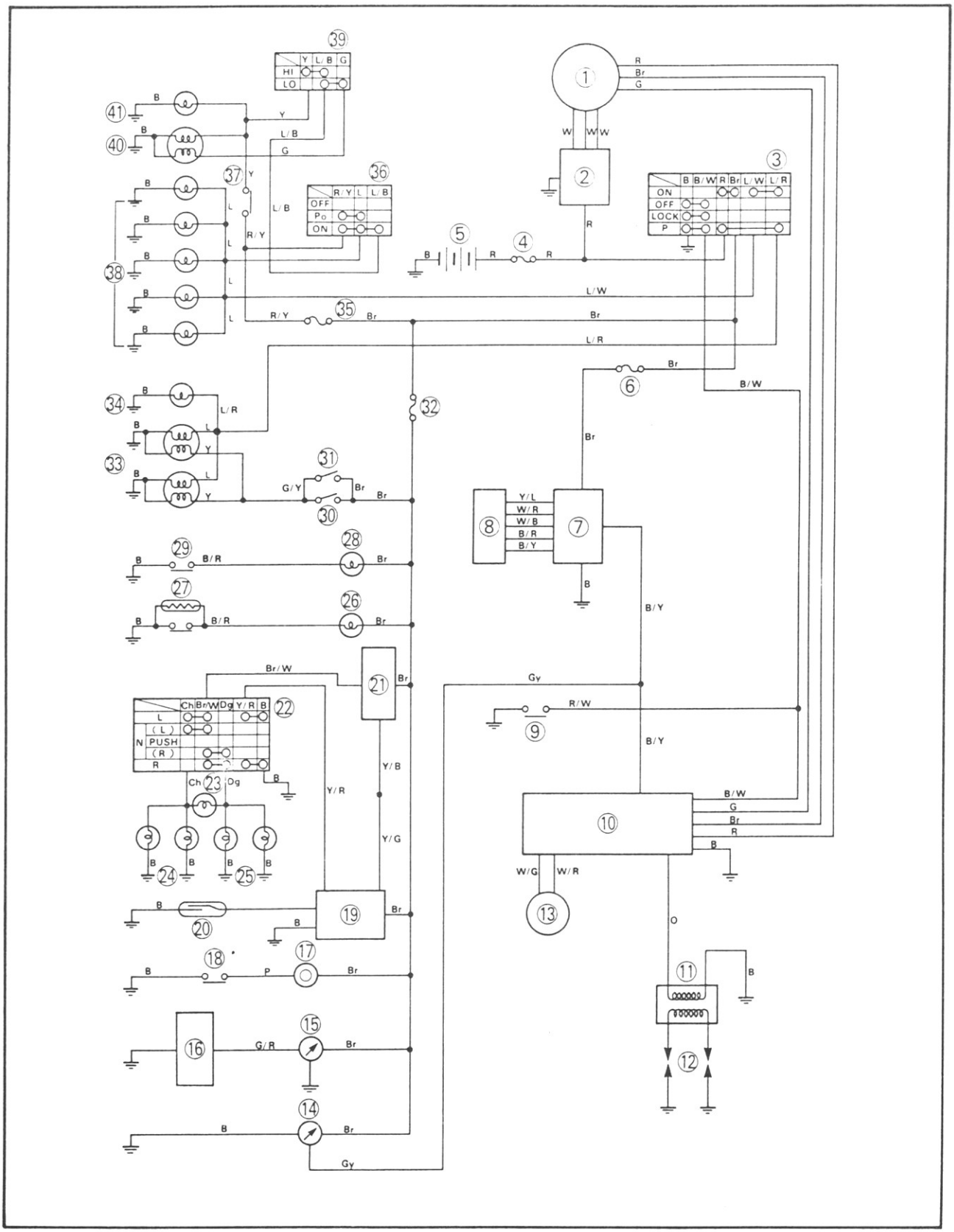
① CDI magneto
② Rectifier/Regulator
③ Main switch
④ Fuse (MAIN)
⑤ Battery
⑥ Fuse (Y.P.V.S.)
⑦ YPVS control unit
⑧ Servomotor
⑨ Sidestand control unit
⑩ "ENGINE STOP" switch
⑪ Sidestand switch
⑫ CDI unit
⑬ Ignition coil
⑭ Spark plug
⑮ Pickup coil
⑯ Tachometer
⑰ Temperature gauge
⑱ Thermo switch
⑲ Horn
⑳ "HORN" switch
㉑ Cancelling unit
㉒ Reed switch
㉓ Flasher relay
㉔ "TURN" switch
㉕ "TURN" indicator light
㉖ Left flasher light (Front and rear)
㉗ Right flasher light (Front and rear)
㉘ "OIL" indicator light
㉙ Oil level switch
㉚ "NEUTRAL" indicator light
㉛ Neutral switch
㉜ Rear brake switch
㉝ Front brake switch
㉞ Fuse (SIGNAL)
㉟ Tail/Brake light
㊱ Auxiliary light
㊲ Fuse (HEAD)
㊳ "LIGHTS" switch
㊴ "PASS" switch
㊵ Meter light
㊶ "LIGHTS" (Dimmer) switch
㊷ Headlight
㊸ "HIGH BEAM" indicator light
㊹ Except for Germany
㊺ For Germany

COLOR CODE

B	Black	L/R	Blue/Red
R	Red	B/Y	Black/Yellow
O	Orange	B/W	Black/White
L	Blue	B/R	Black/Red
P	Pink	R/W	Red/White
Y	Yellow	R/Y	Red/Yellow
G	Green	W/R	White/Red
W	White	W/B	White/Black
Ch	Chocolate	W/G	White/Green
Dg	Dark green	Y/L	Yellow/Blue
Gy	Gray	Y/R	Yellow/Red
Sb	Sky blue	Y/G	Yellow/Green
Br	Brown	G/R	Green/Red
L/B	Blue/Black	G/Y	Green/Yellow
L/W	Blue/White	Br/W	Brown/White
L/Y	Blue/Yellow		

RD350LC/RD350LCF CIRCUIT DIAGRAM

(EXCEPT FOR AUSTRIA, DENMARK, SWEDEN, ENGLAND, SWITZERLAND, GERMANY AND NORWAY)



RD350LC/RD350LCF CIRCUIT DIAGRAM

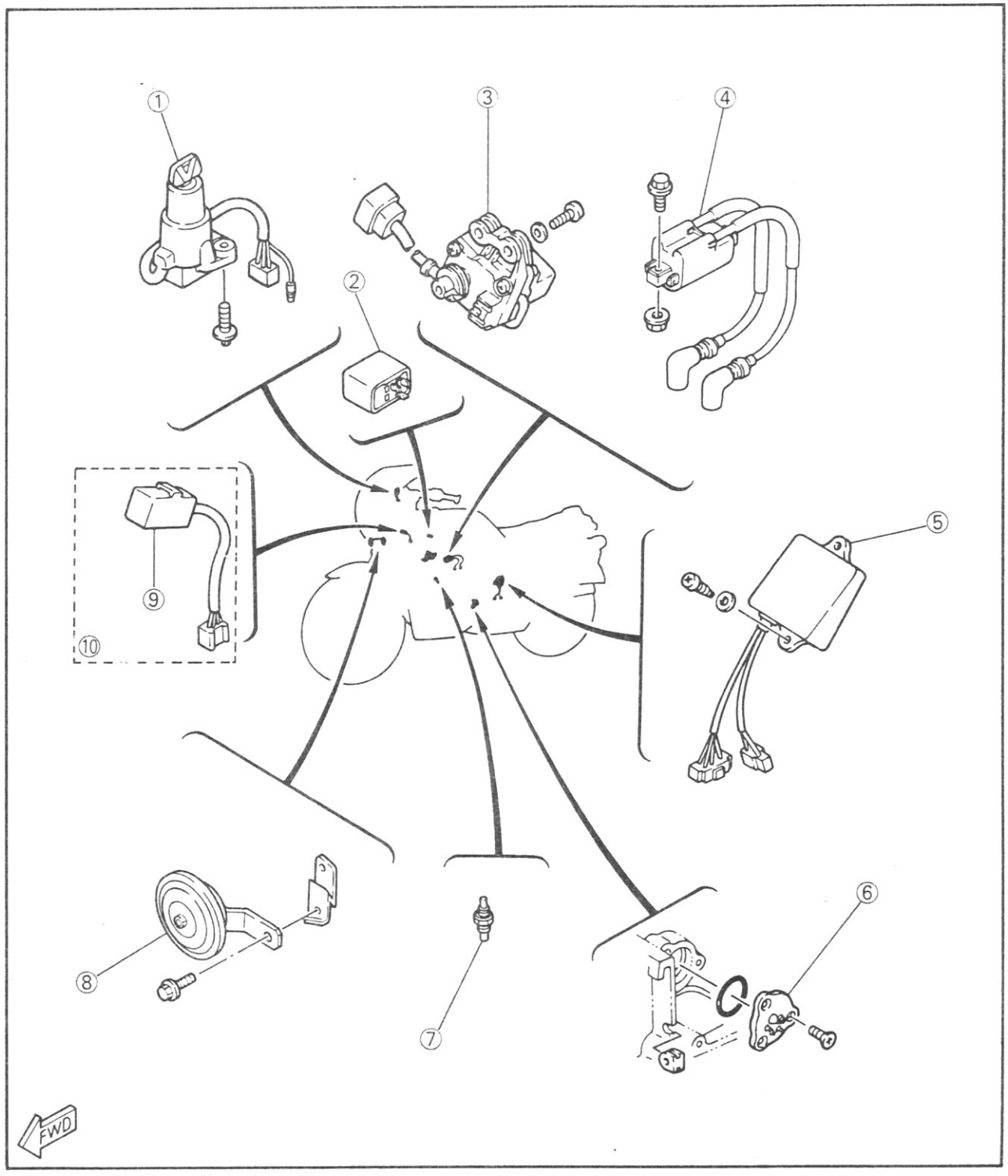
① CDI magneto
② Rectifier/Regulator
③ Main switch
④ Fuse (MAIN)
⑤ Battery
⑥ Fuse (Y.P.V.S.)
⑦ YPVS control unit
⑧ Servomotor
⑨ "ENGINE STOP" switch
⑩ CDI unit
⑪ Ignition coil
⑫ Spark plug
⑬ Pickup coil
⑭ Tachometer
⑮ Temperature gauge
⑯ Thermo switch
⑰ Horn
⑱ "HORN" switch
⑲ Cancelling unit
⑳ Reed switch
㉑ Flasher relay
㉒ "TURN" switch
㉓ "TURN" indicator light
㉔ Left flasher light (Front and rear)
㉕ Right flasher light (Front and rear)
㉖ "OIL" indicator light
㉗ Oil level switch
㉘ "NEUTRAL" indicator light
㉙ Neutral switch
㉚ Rear brake switch
㉛ Front brake switch
㉜ Fuse (SIGNAL)
㉝ Tail/Brake light
㉞ Auxiliary light
㉟ Fuse (HEAD)
㊱ "LIGHTS" switch
㊲ "PASS" switch
㊳ Meter light
㊴ "LIGHT" (Dimmer) switch
㊵ Headlight
㊶ "HIGH BEAM" indicator light

COLOR CODE

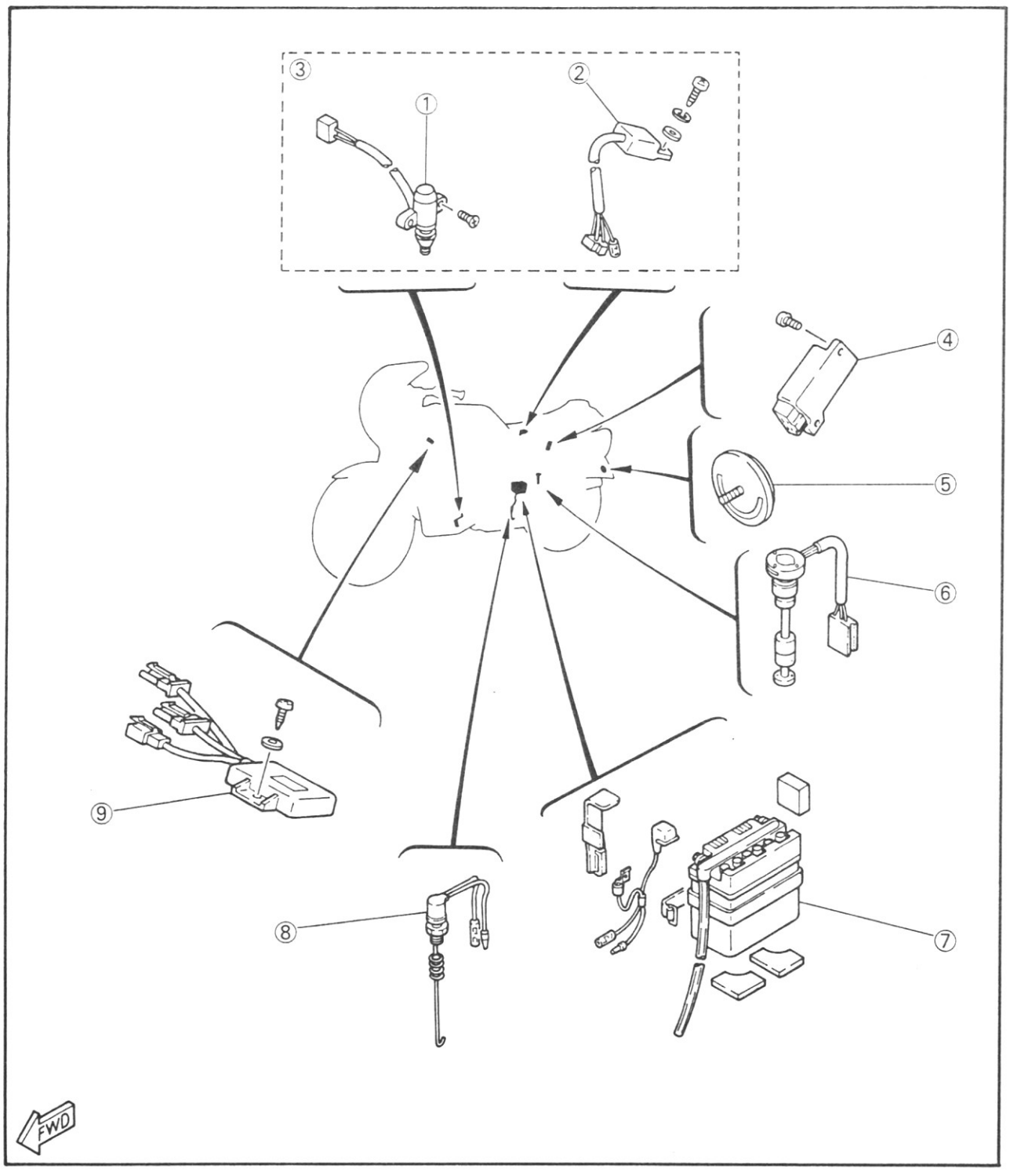
B	Black	L/R	Blue/Red
R	Red	B/Y	Black/Yellow
O	Orange	B/W	Black/White
L	Blue	B/R	Black/Red
P	Pink	R/W	Red/White
Y	Yellow	R/Y	Red/Yellow
G	Green	W/R	White/Red
W	White	W/B	White/Black
Ch	Chocolate	W/G	White/Green
Dg	Dark green	Y/L	Yellow/Blue
Gy	Gray	Y/R	Yellow/Red
Sb	Sky blue	Y/G	Yellow/Green
Br	Brown	G/R	Green/Red
L/B	Blue/Black	G/Y	Green/Yellow
L/W	Blue/White	Br/W	Brown/White
L/Y	Blue/Yellow		

ELECTRICAL COMPONENTS

① Main switch
② Flasher relay
③ Servomotor
④ Ignition coil
⑤ YPVS control unit
⑥ Neutral switch
⑦ Thermo switch
⑧ Horn
⑨ Cancelling unit
⑩ Except for Germany



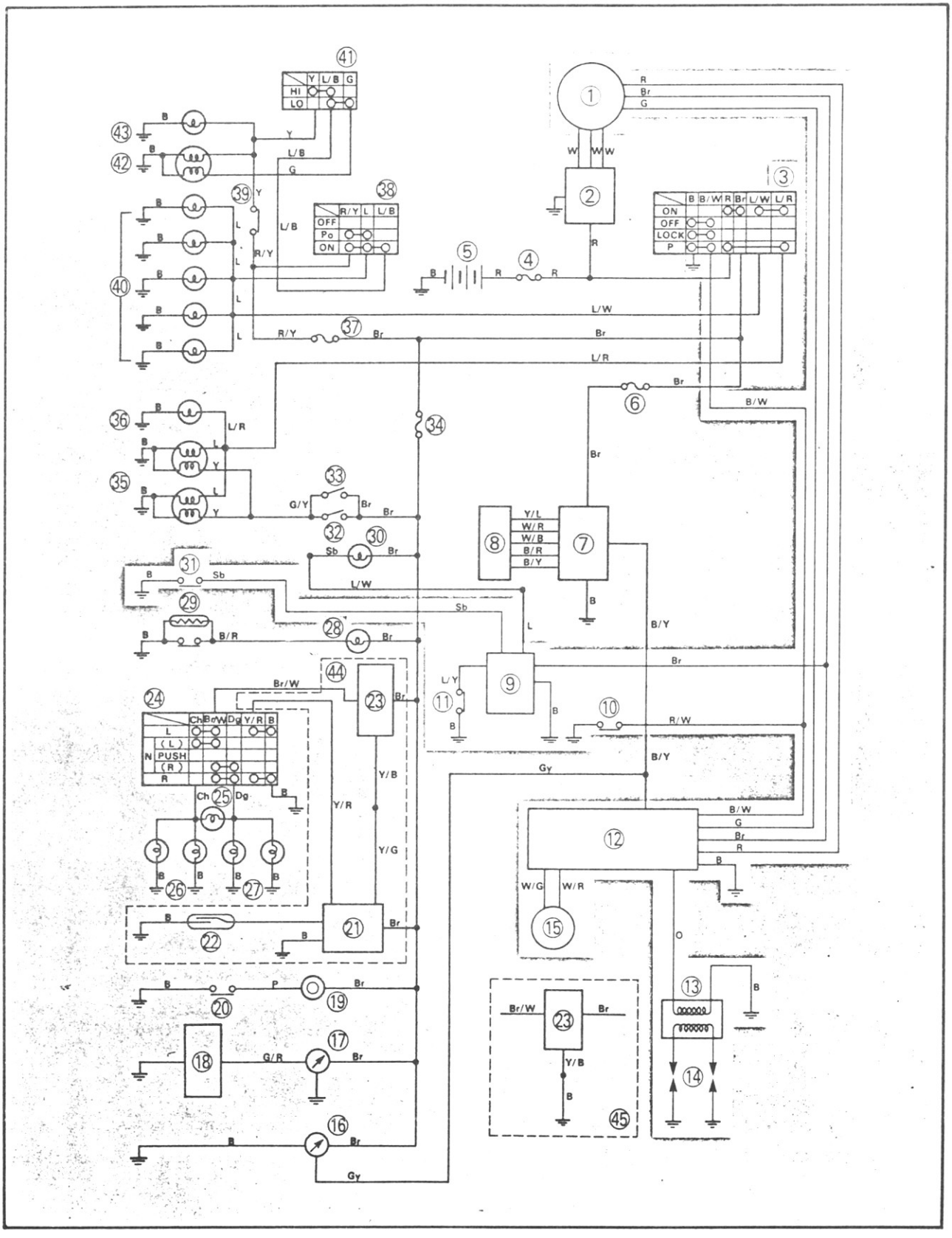
① Sidestand switch
② Sidestand control unit
③ For Austria, Denmark, Sweden, England, Switzerland, Germany and Norway
④ Rectifier/Regulator
⑤ Reflector
⑥ Oil level switch
⑦ Battery
⑧ Rear brake switch
⑨ CDI unit



IGNITION SYSTEM

CIRCUIT DIAGRAM (For AUSTRIA, DENMARK, SWEDEN, ENGLAND, SWITZERLAND, GERMANY AND NORWAY)

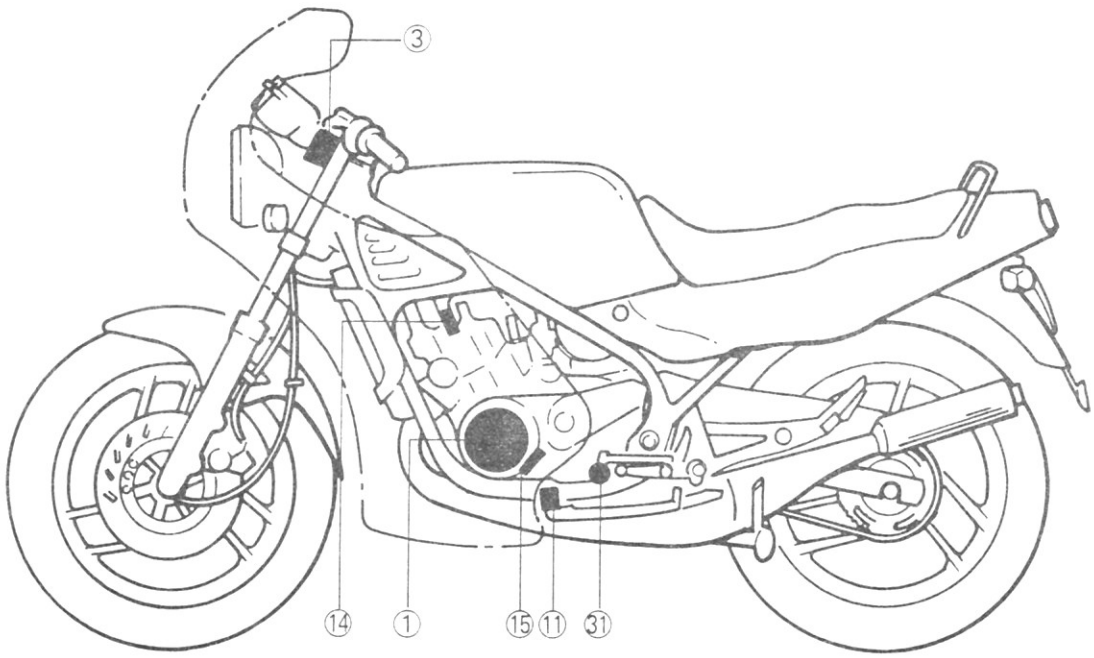
Below circuit diagram shows ignition system.

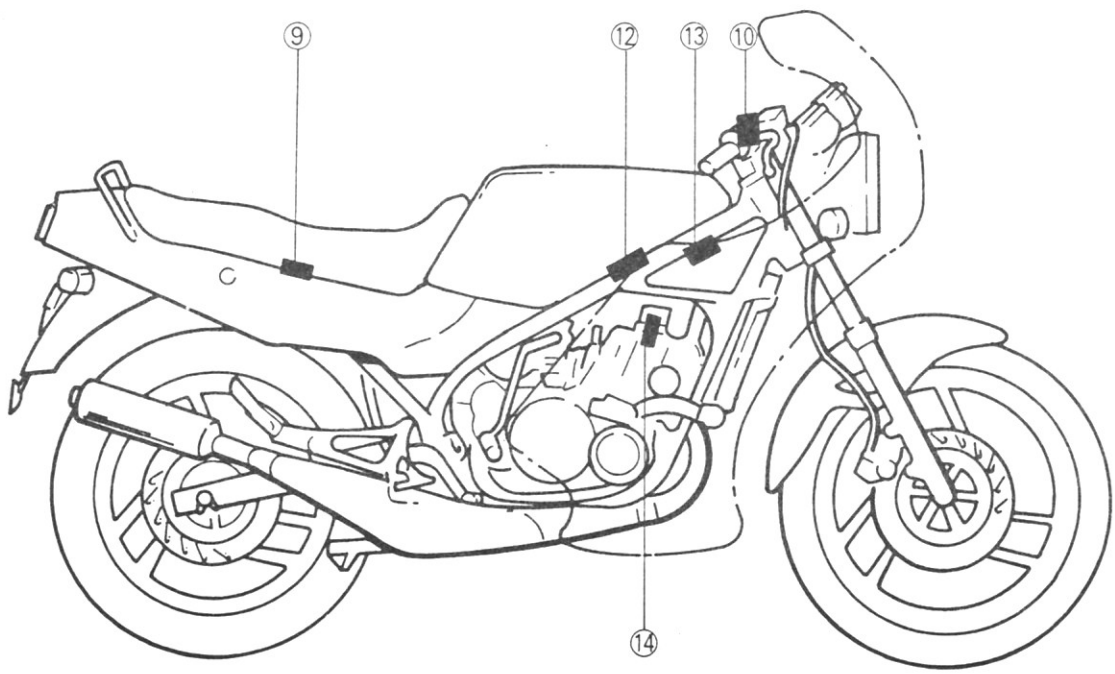


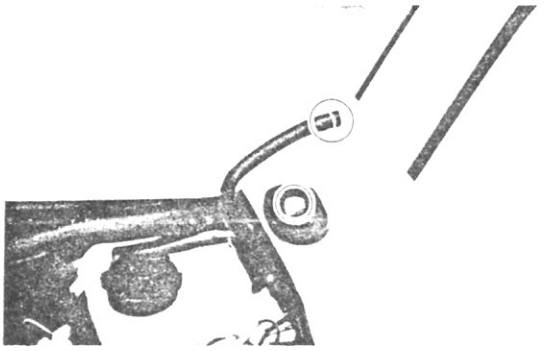
① CDI magneto
③ Main switch
⑨ Sidestand control unit
⑩ "ENGINE STOP" switch
⑪ Sidestand switch
⑫ CDI unit
⑬ Ignition coil
⑭ Spark plug
⑮ Pickup coil
㉛ Neutral switch

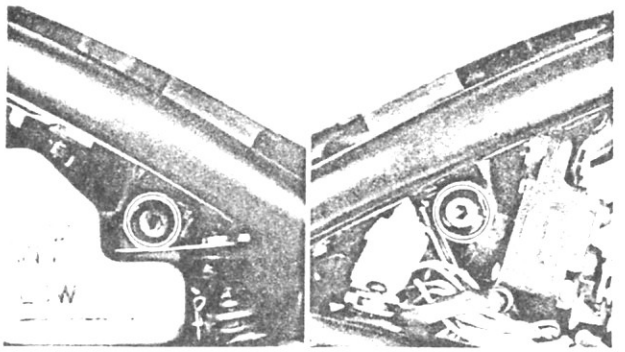
NOTE:

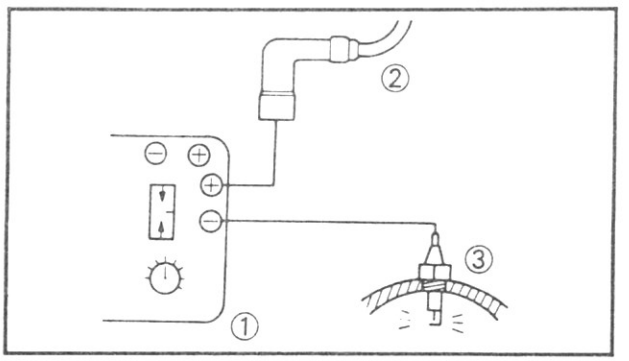
For the color codes, see page 28.











TROUBLESHOOTING

IF IGNITION SYSTEM SHOULD BECOME INOPERATIVE (NO SPRAK OR INTERMITTENT SPARK).

Before this troubleshooting, remove following parts.

- Seat
- Lower cowl (For RD350LCF)
- Center cowls (For RD350LCF)
- Tail cowls (For RD350LCF)
- Fuel tank

Ignition spark gap test

1. Warm up engine thoroughly so that all electrical components are at operating temperature.
2. Connect the Electro Tester (90890-03021) ① as shown.

② Spark plug lead
③ Spark plug

3. Start the engine, and increase the spark gap until misfire occurs (Test at various revolution between 1,200 ~ 10,000 r/min).

CAUTION:

Do not run the engine in neutral above 6,000 r/min for more than 1 or 2 seconds.

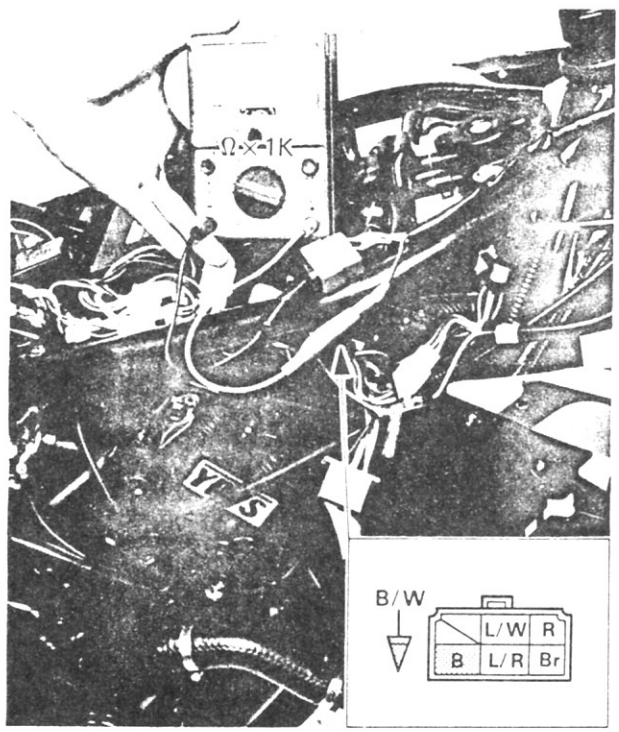
4. Check the minimum spark gap.

Minimum Spark Gap:
6 mm (0.24 in)

Out of specification

OK

Ignition system is good.



Main switch conduct check

1. Disconnect the main switch leads (Red, Brown, Black, Blue/White, Blue/Red, Black/White).
2. Connect the Pocket Tester (90890-03112) to main switch leads (Black, Black/White).

Tester (+) lead→Black/White lead
Tester (−) lead→Black lead

NOTE:

Set tester selector to "Ω×1K" position.

3. Turn the main switch to "ON" position.

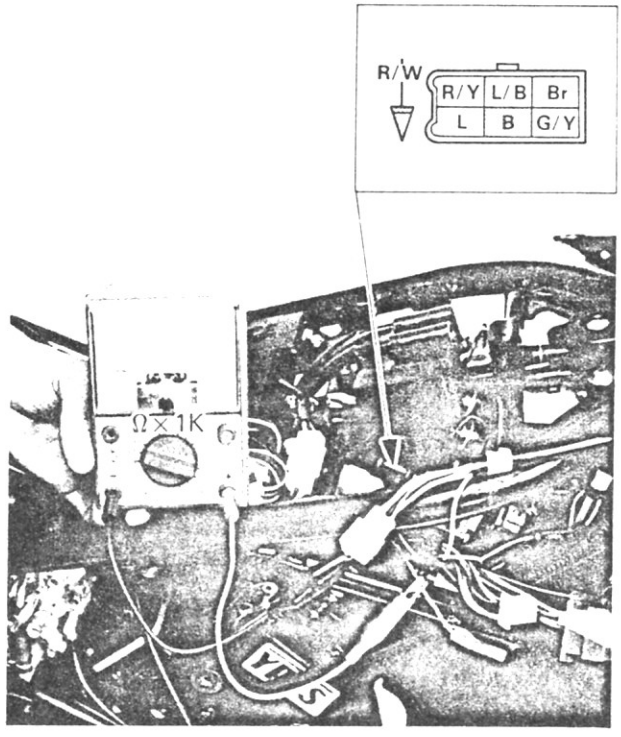
Discontinuity (∞)

Continuity (0Ω)

Main switch is faulty, replace it.

"ENGINE STOP" switch conduct check

1. Disconnect the right handlebar switch leads (Red/Yellow, Blue, Black, Blue/Black, Green/Yellow, Brown).



2. Connect the Pocket Tester (90890-03112) to "ENGINE STOP" switch lead (Red/White, Black).

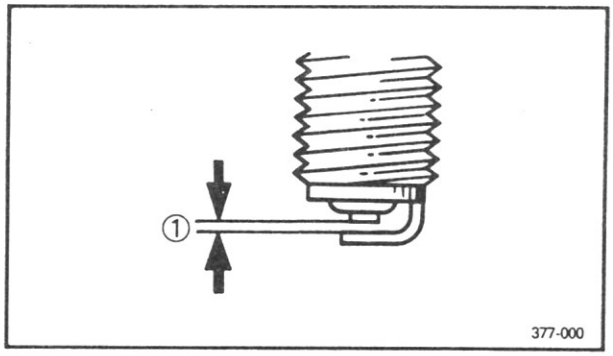
Tester (+) lead→Red/White lead
Tester (−) lead→Black lead

NOTE:
Set tester selector to "Ω × 1K" position.

3. Turn the "ENGINE STOP" switch to "RUN" position.

Discontinuity (∞) → Continuity (0Ω)

"ENGINE STOP" switch is faulty, replace right handlebar switch.



Spark plug inspection

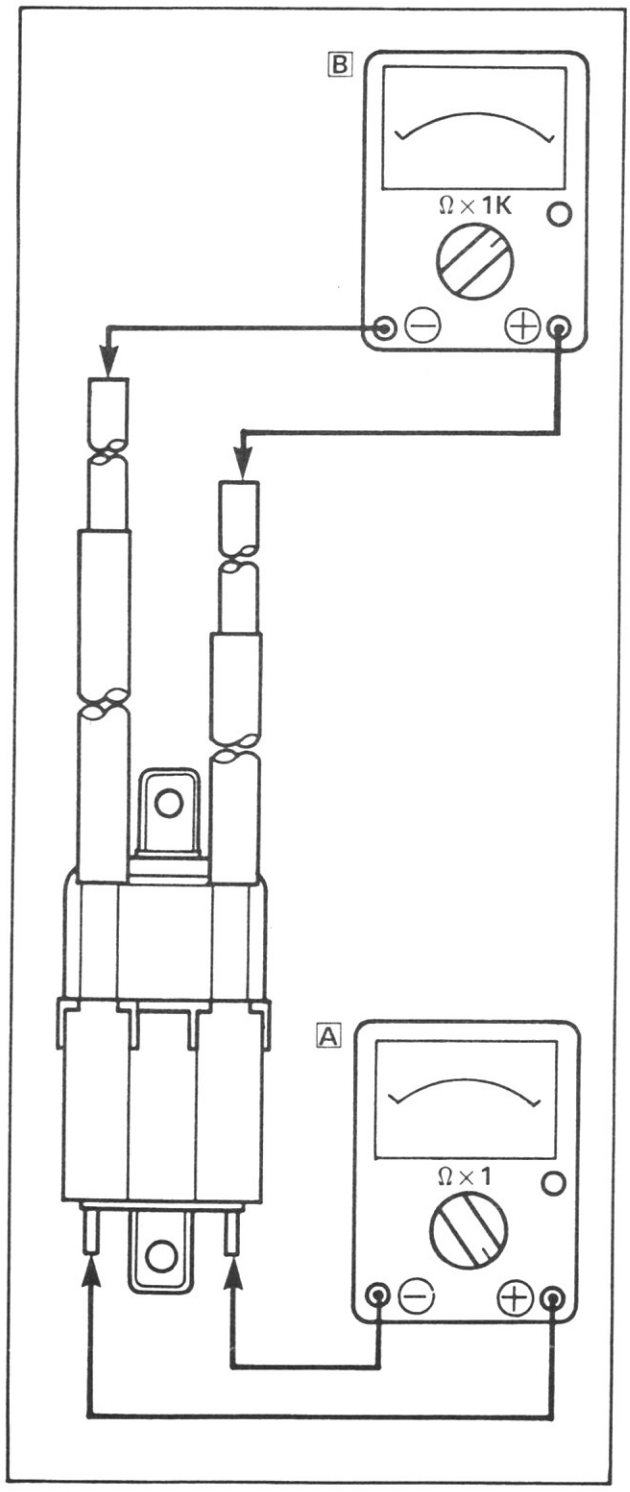
1. Remove the spark plug.
2. Clean the spark plug with spark plug cleaner, if necessary.
3. Inspect electrode, insulator and plug gap. Refer to "CHAPTER 2—SPARK PLUG INSPECTION" section in the RD250LC/RD350LC SERVICE MANUAL (31L-28197-80).

Plug Gap:
0.7~0.8 mm (0.02~0.03 in)

OK

No good

Replace or regap spark plug.



Ignition coil resistance test

1. Disconnect the ignition coil leads (Orange, Black) and the spark plug leads.
2. Connect the Pocket Tester (90890-03112) to ignition coil terminals.

NOTE:

Set tester selector to "Ω×1" position.

3. Measure the primary coil resistance.

	Primary Coil Resistance A: 0.28 ~ 0.38Ω at 20°C (68°F)

4. Connect the Pocket Tester (90890-03112) to spark plug leads.

NOTE:

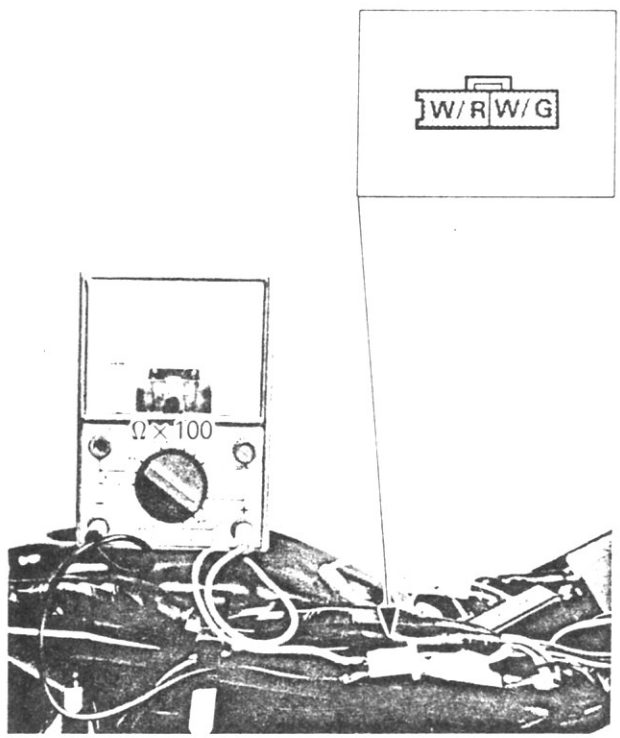
Set tester selector to "Ω×1K" position.

5. Measure the secondary coil resistance.

	Secondary Coil Resistance B: 4.72 ~ 7.08 KΩ at 20°C (68°F)

Both resistances meet specifications ↓ Out of specification

Ignition coil is faulty, replace it.



Pickup coil resistance test

1. Disconnect the pickup coil leads (White/Green, White/Red) at the CDI unit.
2. Connect the Pocket Tester (90890-03112) to the pickup coil leads.

Tester (+) lead→White/Green lead
Tester (−) lead→White/Red lead

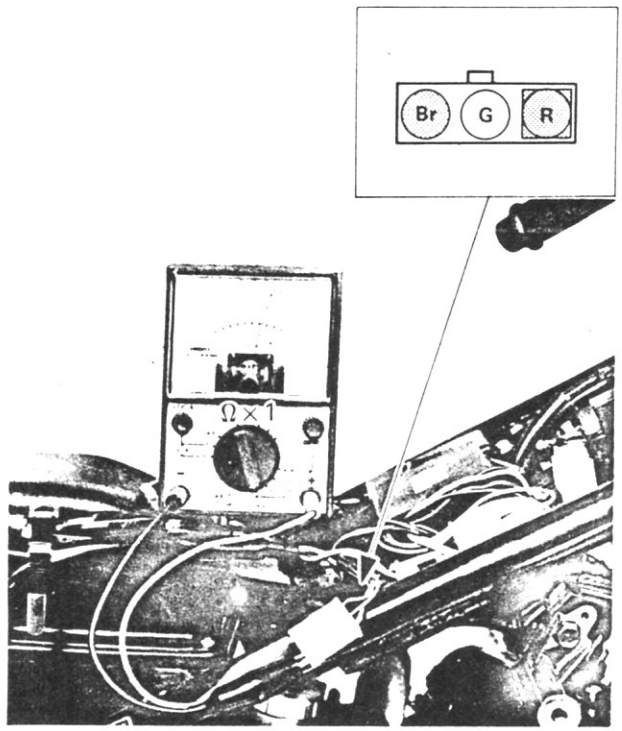
NOTE:
Set tester selector to "Ω×100" position.

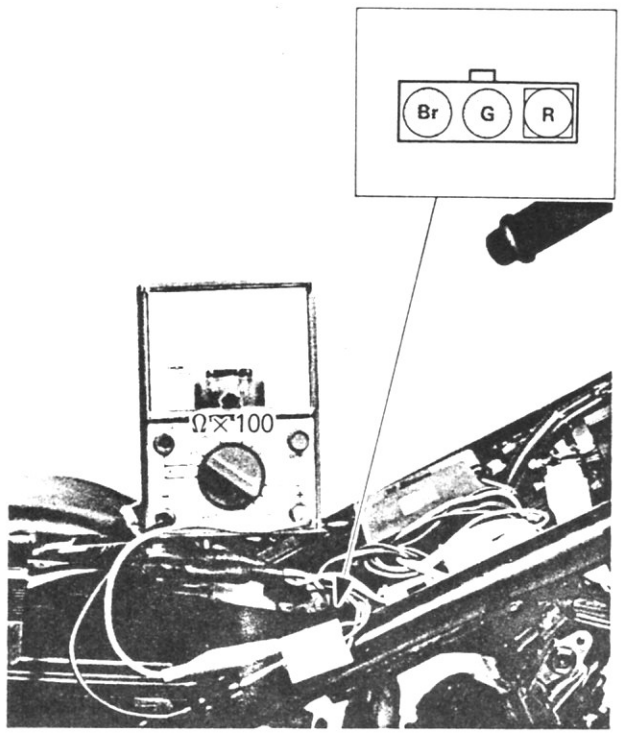
3. Measure the pickup coil resistance.

Pickup Coil Resistance:
93.6 ~ 140.4Ω at 20°C (68°F)

Resistance meets specification ↓ Out of specification

Pickup coil is faulty, replace it.





Source coil resistance test

1. Disconnect the source coil leads (Red, Green, Brown) at the CDI unit.

2. Connect the Pocket Tester (90890-03112) to the source coil leads.

Tester (+) lead→Brown lead **Tester (−) lead→Red lead**

NOTE:

Set tester selector to "Ω×1" position.

3. Measure the source coil (1) resistance.

	Source Coil (1) Resistance: **3.6 ~ 5.4Ω at 20°C (68°F)**

4. Connect the Pocket Tester (90890-03112) to the source coil leads.

Tester (+) lead→Brown lead **Tester (−) lead→Green lead**

NOTE:

Set tester selector to "Ω×100" position.

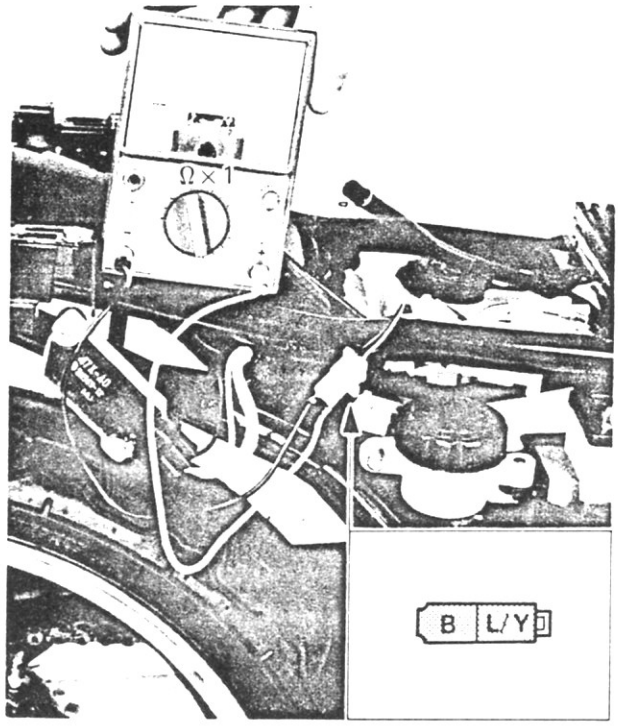
5. Measure the source coil (2) resistance.

	Source Coil (2) Resistance: **128.8 ~ 193.2Ω at 20°C (68°F)**

Both resistances meet specifications

Out of specification

Source coil is faulty, replace it.



Sidestand switch conduct check

1. Disconnect the sidestand switch leads (Black, Blue/Yellow).
2. Connect the Pocket Tester (90890-03112) to the sidestand switch leads.

Tester (+) lead→Blue/Yellow lead **Tester (−) lead→Black lead**

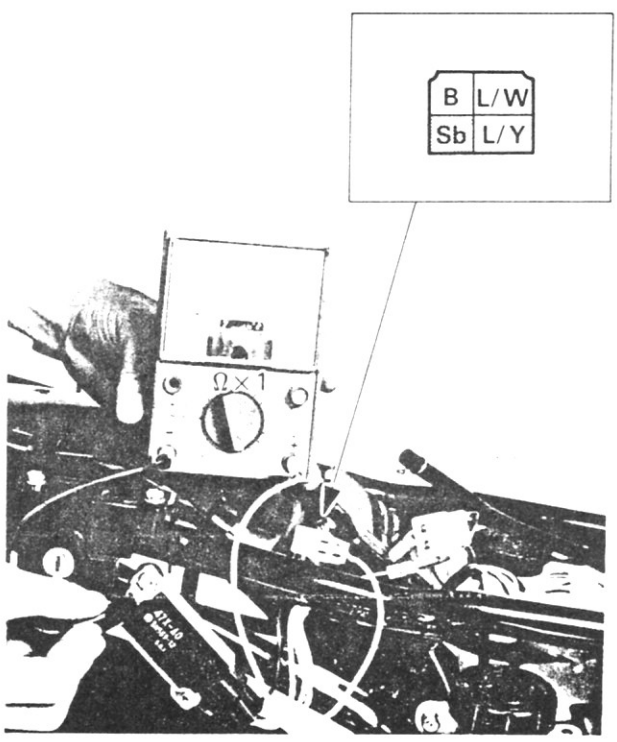
NOTE:

Set the tester selector to "Ω×1" position.

3. Place the motorcycle on its centerstand.
4. The sidestand is up and check the sidestand switch for continuity.

Continuity (0Ω) → Discontinuity (∞)

Sidestand switch is faulty, replace it.



Neutral switch conduct check

1. Disconnect the sidestand control unit leads (Black, Blue/White, Sky blue, Blue/Yellow).
2. Connect the Pocket Tester (90890-03112) to the neutral switch lead.

Tester (+) lead→Sky blue lead **Tester (−) lead→Frame earth**

NOTE:

Set the tester selector to "Ω×1" position.

3. Transmission is in neutral and check the neutral switch for continuity.

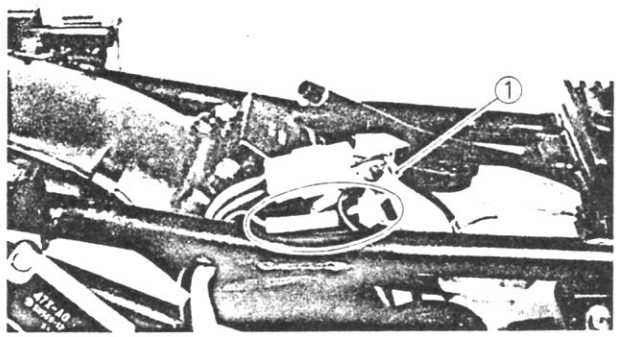
Continuity (0Ω)

Discontinuity (∞)

Neutral switch is faulty, replace it.

Sidestand control unit condition check

1. Disconnect the sidestand control unit lead ① (Brown).



2. Start the engine.

Poor condition (No spark or intermittent spark)

OK

Sidestand control unit is faulty, replace it.

Check entire ignition system for connections. (Refer to "WIRING DIAGRAM" section)

OK

Poor condition

Correct.

CDI unit is faulty, replace it.

APPENDICES

SPECIFICATIONS

GENERAL SPECIFICATIONS (FOR RD350LCF)

[DK]: For Denmark
[S]: For Sweden
[SF]: For Finland
[UK]: For England

Model	RD350LCF			
	1WT	1WU	1WW	1WX
Frame Starting Number	1WT-000101	1WU-000101	1WW-000101	1WX-000101
Engine Starting Number	1WT-000101	1WU-000101	1WW-000101	1WX-000101
Dimensions: Overall Length	2,095 mm (82.5 in) [DK, S] 2,120 mm (83.5 in) [SF] 2,126 mm (83.7 in)	2,120 mm (83.5 in)	←	←
Overall Width	700 mm (27.5 in)	←	←	←
Overall Height	1,190 mm (46.9 in)	←	←	←
Seat Height	790 mm (31.1 in)	←	←	←
Wheelbase	1,385 mm (54.5 in)	←	←	←
Minimum Ground Clearance	165 mm (6.5 in)	←	←	←
Weight: With Oil and Full Fuel Tank	159 kg (350 lb)	←	←	←
Engine: Displacement Bore × Stroke	347 cm^3 64.0 × 54.0 mm (2.520 × 2.126 in)	352 cm^3 64.5 × 54.0 mm (2.540 × 2.126 in)	347 cm^3 64.5 × 54.0 mm (2.520 × 2.126 in)	← ←
Spark plug: Type Manufacturer Gap	BR9ES N.G.K. 0.7 ~ 0.8 mm (0.02 ~ 0.03 in)	← ← ←	← ← ←	BR8ES ← ←

Model	RD350LCF			
	1WT	1WU	1WW	1WX
Fuel:				
Type	Premium	Regular	Premium	Regular
Octane (Research)	Minimum 95	Non Lead	Minimum 95	Non Lead
Tank Capacity				
—Total	17 L (3.7 Imp gal, 4.5 US gal)	←	←	←
—Reserve	5 L (1.1 Imp gal, 1.3 US gal)	←	←	←
Transmission:				
Primary Reduction System	Helical gear	←	←	←
Primary Reduction Ratio	66/23 (2.869)	←	←	←
Secondary Reduction System	Chain	←	←	←
Secondary Reduction Ratio	39/17 (2.294)	39/18 (2.166)	39/17 (2.294)	←
Transmission Type	Constant mesh 6-spped	←	←	←
Bulb Wattage (Quantity):				
Headlight	60W/55W (1 pcs.)	←	←	←
Tail/Brake Light	5W/21W (2 pcs.)	←	←	←
Flasher Light	21W (4 pcs.)	←	←	←
Meter Light	3.4W (4 pcs.)	←	←	←
Auxiliary Light	4W (1 pcs.) [UK] 3.4W (1 pcs.)	←	←	←

[DK]: For Denmark
[S]: For Sweden
[N]: For Norway
[UK]: For England

GENERAL SPECIFICATIONS (FOR RD350LC)

Model	RD350LC		
	1UA	1XA	1XE
Frame Starting Number	1WT-005101	1WW-002101	1WX-002101
Engine Starting Number	1WT-005101	1WW-002101	1WX-002101
Dimensions:			
Overall Length	2,095 mm (82.5 in) [DK, S, N] 2,120 mm (83.5 in)	2,120 mm (83.5 in)	←
Overall Width	700 mm (27.5 in)	←	←
Overall Height	1,070 mm (42.1 in)	←	←
Seat Height	790 mm (31.1 in)	←	←
Wheelbase	1,385 mm (54.5 in)	←	←
Minimum Ground Clearance	165 mm (6.5 in)	←	←
Weight:			
With Oil and Full Fuel Tank	155 kg (341.7 lb)	←	←
Spark plug:			
Type	BR9ES	←	BR8ES
Manufacturer	N.G.K.	←	←
Gap	0.7 ~ 0.8 mm (0.02 ~ 0.03 in)	←	←
Fuel:			
Type	Premium	←	Regular
Octane (Research)	Minimum 95	←	Non Lead
Tank Capacity			
—Total	17 L (3.7 Imp gal, 4.5 US gal)	←	←
—Reserve	5 L (1.1 Imp gal, 1.3 US gal)	←	←
Bulb Wattage (Quantity):			
Headlight	60W/55W (1 pcs.)	←	←
Tail/Brake Light	5W/21W (2 pcs.)	←	←
Flasher Light	21W (4 pcs.)	←	←
Meter Light	3.4W (4 pcs.)	←	←
Auxiliary Light	4W (1 pcs.) [UK] 3.4W (1 pcs.)	←	←

MAINTENANCE SPECIFICATIONS

Engine (For RD350LCF)

Model	RD350LCF			
	1WT	1WU	1WW	1WX
Cylinder:				
Material	Aluminum alloy	←	←	←
Sleeve Type	Cast-in Sleeve	←	←	←
Bore Size	64.00 ~ 64.02 mm (2.519 ~ 2.520 in)	64.50 ~ 64.52 mm (2.539 ~ 2.540 in)	64.00 ~ 64.02 mm (2.519 ~ 2.520 in)	←
<Limit>	64.1 mm (2.524 in)	64.6 mm (2.543 in)	64.1 mm (2.524 in)	←
Taper Limit	0.05 mm (0.002 in)	←	←	←
Out of Round Limit	0.01 mm (0.0004 in)	←	←	←
Piston:				
Piston Size	63.94 ~ 64.00 mm (2.517 ~ 2.519 in)	64.44 ~ 64.50 mm (2.537 ~ 2.539 in)	63.94 ~ 64.00 mm (2.517 ~ 2.519 in)	←
Measuring Point	10 mm (0.39 in)	←	←	←
Piston Clearance	0.060 ~ 0.065 mm (0.0024 ~ 0.0026 in)	←	←	←
<Limit>	0.1 mm (0.004 in)	←	←	←
Over Size 1st	64.25 mm (2.53 in)	64.75 mm (2.55 in)	64.25 mm (2.53 in)	←
2nd	64.50 mm (2.54 in)	65.00 mm (2.56 in)	64.50 mm (2.54 in)	←
Carburetor:				
I.D. Mark	1UA 00	1WU 00	1XA 00	1XE 00
Main Jet (M.J.)	#185	#210	#185	#180
Air Jet (A.J.)	ø0.8	ø0.7	ø0.8	ø0.7
Jet Needle (J.N.)	5L20-2	5CK2-3	5L20-2	5L20-3
Needle Jet (N.J.)	N-8 (#544)	←	←	←
Cutaway (C.A.)	2.0	←	←	←
Pilot Jet (P.J.)	#27.5	#20	#27.5	#25
Air Screw (Turns Out)	1 and 1/2	←	←	←
Valve Seat Size (V.S.)	ø2.8	←	←	←
Starter Jet (G.S.)	#80	←	←	←
Power Jet (Pw.J.)				
Right Hand Carburetor	#60	#55	#60	#20
Left Hand Carburetor	#65	#55	#65	#20
Engine Idle Speed	1,150 ~ 1,250 r/min	←	←	←

SPECIFICATIONS

Engine (For RD350LC)

Model		RD350LC		
		1UA	1XA	1XE
Carburetor:				
I.D. Mark		1UA 00	1XA 00	1XE 00
Main Jet	(M.J.)	#185	←	#180
Air Jet	(A.J.)	ø8	←	ø7
Jet Needle	(J.N.)	5L20-2	←	5L20-3
Needle Jet	(N.J.)	N-8 (#544)	←	←
Cutaway	(C.A.)	2.0	←	←
Pilot Jet	(P.J.)	#27.5	←	#25
Air Screw	(Turns Out)	1 and 1/2	←	←
Valve Seat Size	(V.S.)	ø2.8	←	←
Starter Jet	(G.S.)	#80	←	←
Power Jet	(Pw.J.)			
Right Hand Carburetor		#60	←	#20
Left Hand Carburetor		#65	←	#20
Engine Idle Speed		1,150 ~ 1,250 r/min	←	←

Tightening torque

Part Name	Thread Size	Nm	m•kg	ft•lb	Remarks
Cylinder head	M 8×1.25	28	2.8	20	
Cylinder	M 8×1.25	28	2.8	20	
Spark plug	M14×1.25	20	2.0	14	
Y.P.V.S. Valve	M 5×0.8	6	0.6	4.3	
Pulley	M 6×1.0	10	1.0	7.2	
Reed valve	M 6×1.0	10	1.0	7.2	
Joint cover (Thermostatic valve)	M 6×1.0	12	1.2	8	
Housing cover	M 6×1.0	8	0.8	5.8	
Radiator cover	M 5×0.8	3	0.3	2	
Joint (Cylinder head)	M 6×1.0	12	1.2	8	
Thermosenser		15	1.5	10	
Oil pump	M 5×0.8	5	0.5	3.6	⊣S
Reed valve assembly	M 6×1.0	15	1.5	11	
Primary drive gear	M16×1.0	65	6.5	47	
Clutch boss	M20×1.0	90	9.0	65	
Clutch spring	M 6×1.0	10	1.0	7.2	
Drive sprocket	M18×1.0	80	8.0	58	
Kick crank	M 8×1.25	25	2.5	18	
Shift pedal	M 6×1.0	10	1.0	7.2	
Flywheel magneto	M12×1.25	85	8.5	61	
Exhaust pipe	M 8×1.25	18	1.8	13	
Drain plug (Transmission)	M14×1.5	20	2.0	14	
(Coolant)	M 6×1.0	14	1.4	10	
Crankcase cover (R)	M 6×1.0	10	1.0	7.2	
(L)	M 6×1.0	7	0.7	5.1	
Crankcase (Lower)	M 8×1.25	8	0.8	5.8	
(Upper)	M 8×1.25	10	1.0	7.2	
Bearing cover plate	M 6×1.8	10	1.0	7.2	⊣S
Tachometer stopper plate	M 5×0.8	5	0.5	3.6	⊣S
Shift cam stopper plate	M 6×1.0	8	0.8	5.8	⊣S
Stopper lever	M 6×1.0	10	1.0	7.2	⊣S
Neutral switch	M 5×0.8	4	0.4	2.9	
Shift lever adjust screw	M 8×1.25	30	3.0	22	⊣S

SPECIFICATIONS

Chassis

Model		RD350LC/RD350LCF
Steering System:		
Steering Bearing Type		Ball bearing
No./Size of Balls		
Upper		19 pcs. 1/4 in
Lower		19 pcs. 1/4 in
Lock to Lock Angle		70°
Front Suspension:		
Front Fork Travel		140 mm (5.51 in)
Front Fork Spring		
Free Length <Limit>		416.6 mm (16.4 in) <411.6 mm (16.2 in)>
Spring Rate		K_1 = 3.9 N/mm (0.4 kg/mm, 22.0 lb/in) 0 ~ 140 mm (0 ~ 5.51 in)
Oil Capacity		282 cm^3 (9.9 Imp oz, 9.5 US oz)
Oil Level		128.7 mm (5.06 in)
Oil Grade		Fork oil 10wt or equivalent
Air Pressure (STD) (Min. ~ Max.)		39 kPa (0.4 kg/cm^2, 5.7 psi) 0 ~ 118 kPa (0 ~ 1.2 kg/cm^2, 0 ~ 17 psi)
Drive Chain:		
Type/Manufacturer		520-V4/DAIDO
Number of Links		106
Chain Slack		30 ~ 40 mm (1.18 ~ 1.57 in)
Disc Brake:		
Type		
Front		Dual
Rear		Single
Disc Size-Outside Dia × Thickness		267 × 4.5 mm (10.5 × 0.18 in)
Disc Wear Limit		4.0 mm (0.16 in)
Pad Thickness		5.5 mm (0.22 in)
Pad Wear Limit		0.5 mm (0.02 in)
Master Cylinder Inside Diameter	Front	15.87 mm (0.62 in)
	Rear	12.70 mm (0.51 in)
Caliper Cylinder Inside Diameter	Front	38.18 mm (1.5 in)
	Rear	38.18 mm (1.5 in)
Brake Fluid Type		DOT #3

Electrical

Model	RD350LC/RD350LCF	
CDI:		
CDI Unit Model/Manufacturer	QAB49/NIPPON DENSO	
Magneto Model/Manufacturer	VCD88/NIPPON DENSO	
Pickup Coil Resistance	93.6 ~ 140.4Ω at 20°C (68°F)	
(Color)	(White/Red — White/Green)	
Source Coil (1) Resistance	3.6 ~ 4.5Ω at 20°C (68°F)	
(Color)	(Brown — Red)	
Source Coil (2) Resistance	128.8 ~ 193.2Ω at 20°C (68°F)	
(Color)	(Brown — Green)	
Ignition Coil		
Model/Manufacturer	JO137/NIPPON DENSO	
Minimum Spark Gap	6 mm (0.24 in)	
Primary Coil Resistance	0.28 ~ 0.38Ω at 20°C (68°F)	
Secondary Coil Resistance	4.72 ~ 7.08KΩ at 20°C (68°F)	
A.C. Generator:		
Model/Manufacturer	VCD88/NIPPON DENSO	
Charging Out put	14V, 13A at 5000 r/min	
Charging Coil Resistance	0.44 ~ 0.66Ω at 20°C (68°F)	
(Color)	(White — White)	
Voltage Regulator:		
Type	Short Circuit	
Model/Manufacturer	SH569/SHINDENGEN	
No Load Regulated Voltage	14.3 ~ 15.3V	
Rectifier:		
Model/Manufacturer	SH569/SHINDENGEN	
Capacitd	25A	
Withstand Voltage	200V	
Horn:		
Type	Plane	
Quantity	1 pcs.	
Model/Manufacturer	YF3-12/NIKKO	
Maximum Amperage	2.5A	
Flasher Relay:	[Except for Germany]	[For Germany]
Type	Condenser	Semi transistor
Model	FU249CD	FJ245ED
Manufacturer	NIPPON DENSO	←
Self Cancelling Device	Yes	No
Flasher Frequency	75 ~ 95 cyl/min	←
Wattage	21W × 2 + 3.4W	←

SPECIFICATIONS

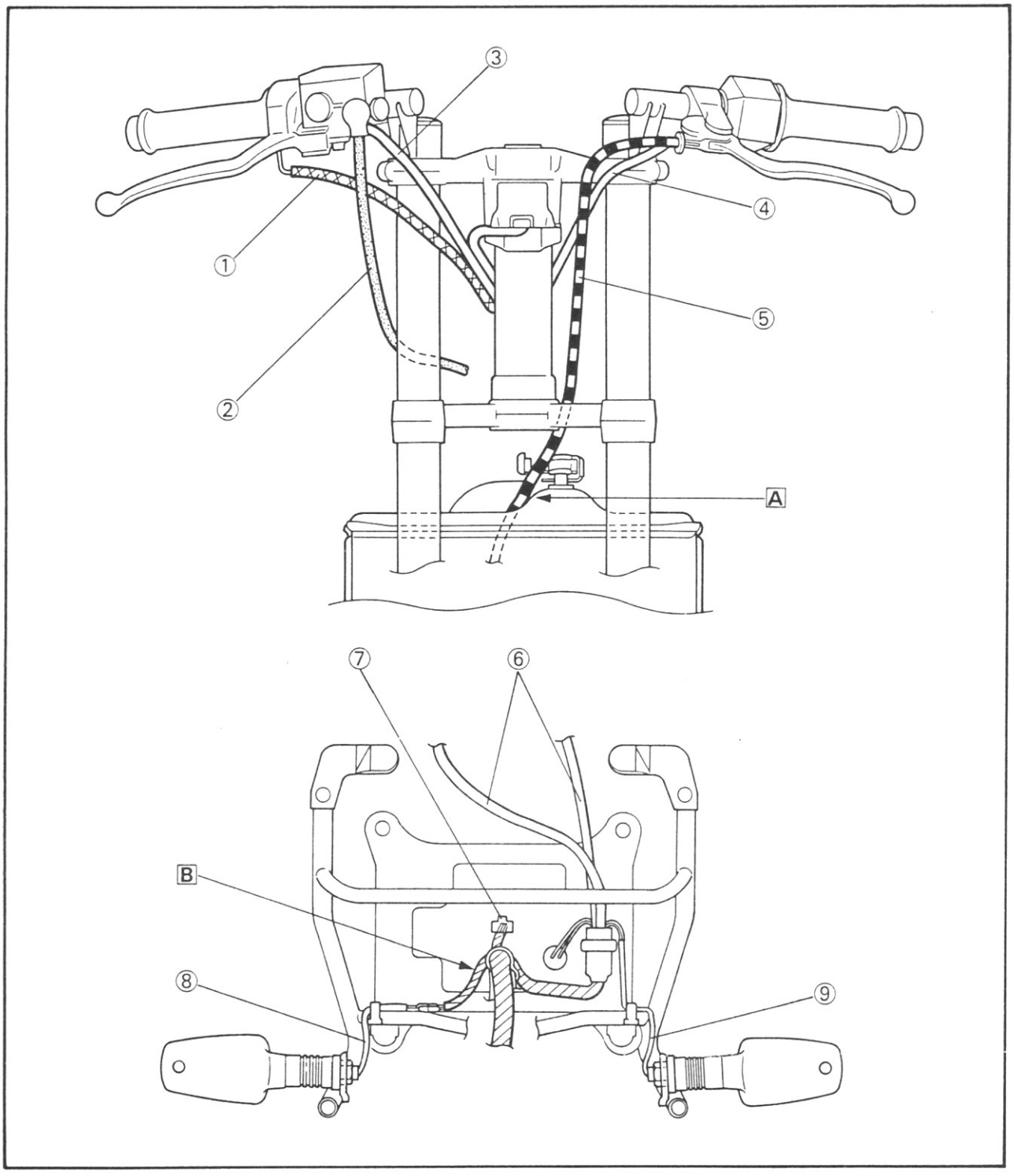
Model	RD350LC/RD350LCF
Oil Level Switch: Model/Manufacturer	34X/TAIHEIYO ASTI
Thermo-Unit: Model/Manufacturer	11H/NIHON SEIKI
*Sidestand Control Unit: Model/Manufacturer	4Y3/YAMAHA
*Sidestand Switch: Model/Manufacturer	33E/ASAHI DENSO

*For AUSTRIA, DENMARK, SWEDEN, ENGLAND, SWITZERLAND, GERMANY and NORWAY.

CABLE ROUTING (FOR RD350LCF)

① Throttle cable
② Brake hose
③ Right handlebar switch lead
④ Left handlebar switch lead
⑤ Clutch cable
⑥ Meter lead
⑦ Headlight lead
⑧ Left flasher light lead
⑨ Right flasher light lead

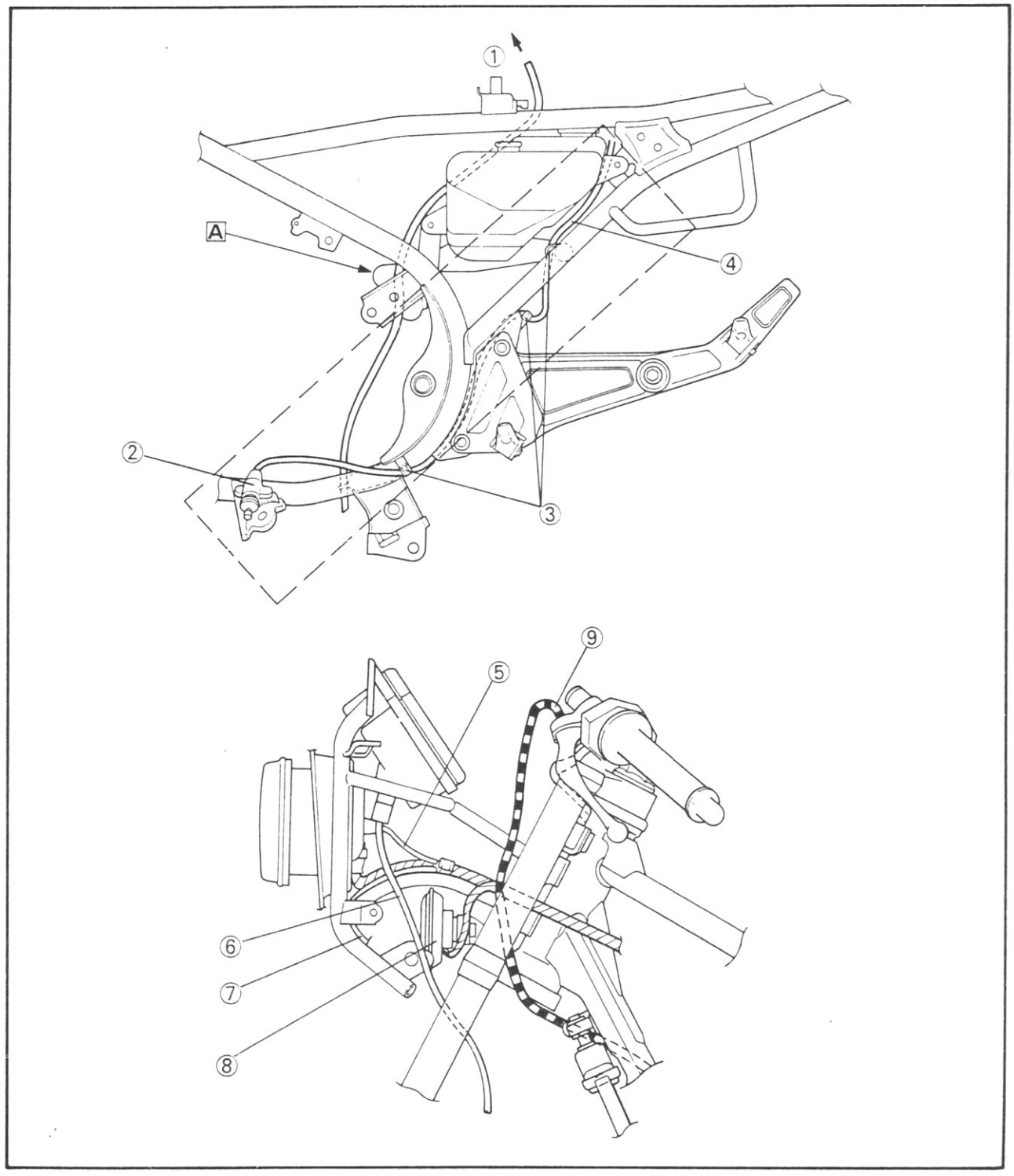
[A] Pass through the clutch cable behind the radiator.
[B] Hold the wire harness with the clamp.



CABLE ROUTING (FOR RD350LCF)

① To fuel tank
② Sidestand switch
③ Clamp
④ Sidestand switch lead
⑤ Headlight lead
⑥ Speedmeter cable
⑦ Left flasher light lead
⑧ Horn
⑨ Clutch cable

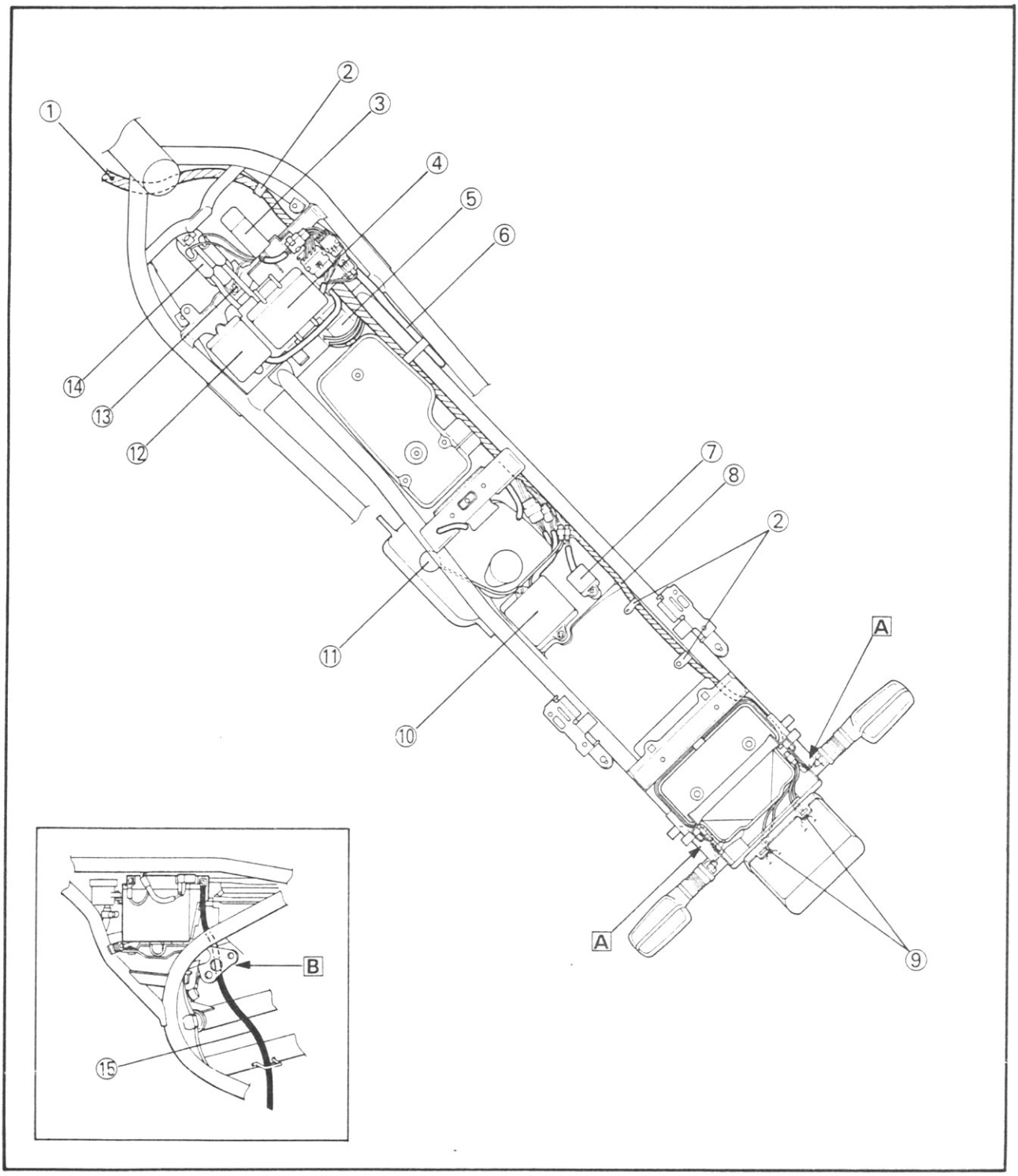
[A] Pass the fuel tank breather pipe through inside of the engine bracket.



CABLE ROUTING (FOR RD350LCF)

① Wire harness
② Clamp
③ Cancelling unit
④ CDI unit
⑤ Flasher relay
⑥ A.C. magneto lead
⑦ Sidestand control unit
⑧ Wire harness
⑨ Tail/Brake light lead
⑩ YPVS control unit
⑪ Oil level switch
⑫ Fuse box
⑬ Frame earth lead
⑭ Ignition coil
⑮ Battery breather pipe

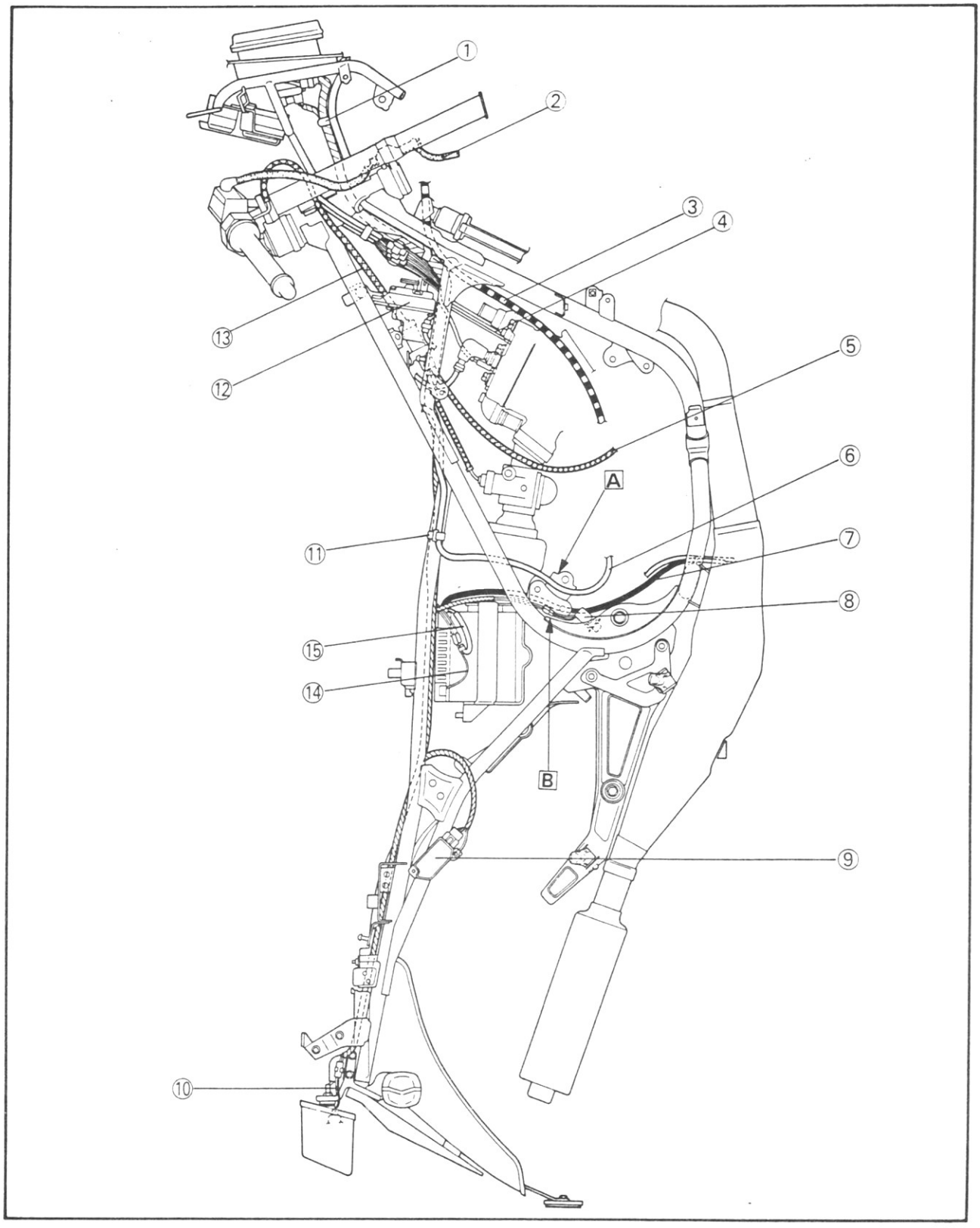
[A] Pass the flasher light leads along inside of the frame.
[B] Pass the battery breather pipe through inside of the engine bracket.



CABLE ROUTING (FOR RD350LCF)

① Clamp
② Brake hose
③ Clutch cable
④ YPVS cable
⑤ Autolube pump cable
⑥ AC magneto lead
⑦ Battery breather pipe
⑧ Rear brake switch
⑨ Rectifier/Regulator
⑩ Tail/Brake light lead
⑪ Band
⑫ Servomotor
⑬ Throttle cable
⑭ Battery negative lead
⑮ Battery positive lead

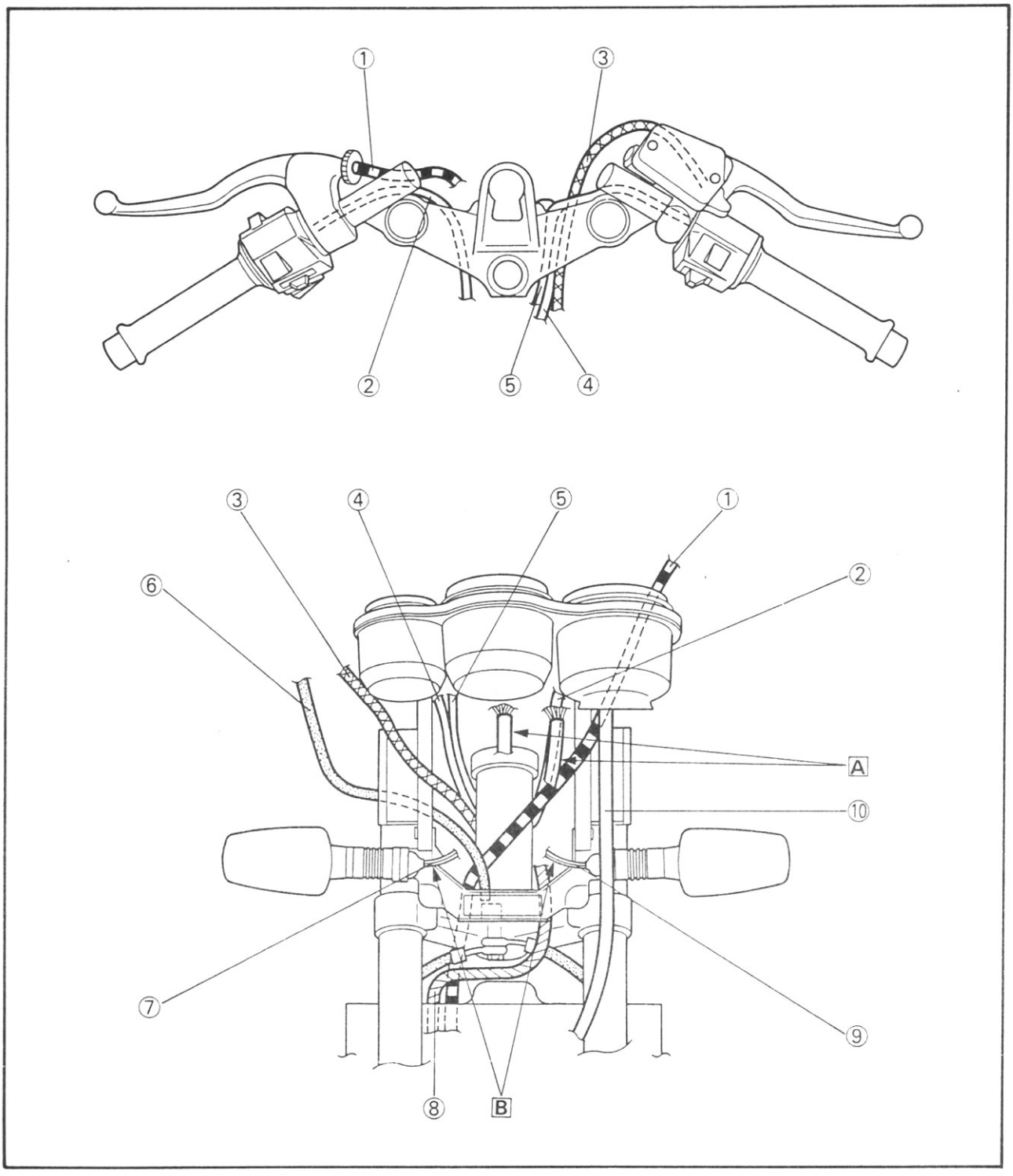
[A] Pass the A.C. magneto lead through outside of the engine bracket.
[B] Pass the rear brake switch lead through outside of the engine bracket.



CABLE ROUTING (FOR RD350LC)

① Clutch cable
② Left handlebar switch lead
③ Throttle cable
④ Right handlebar switch lead
⑤ Main switch lead
⑥ Brake hose
⑦ Right flasher light lead
⑧ Wire harness
⑨ Left flasher light lead
⑩ Speedmeter cable

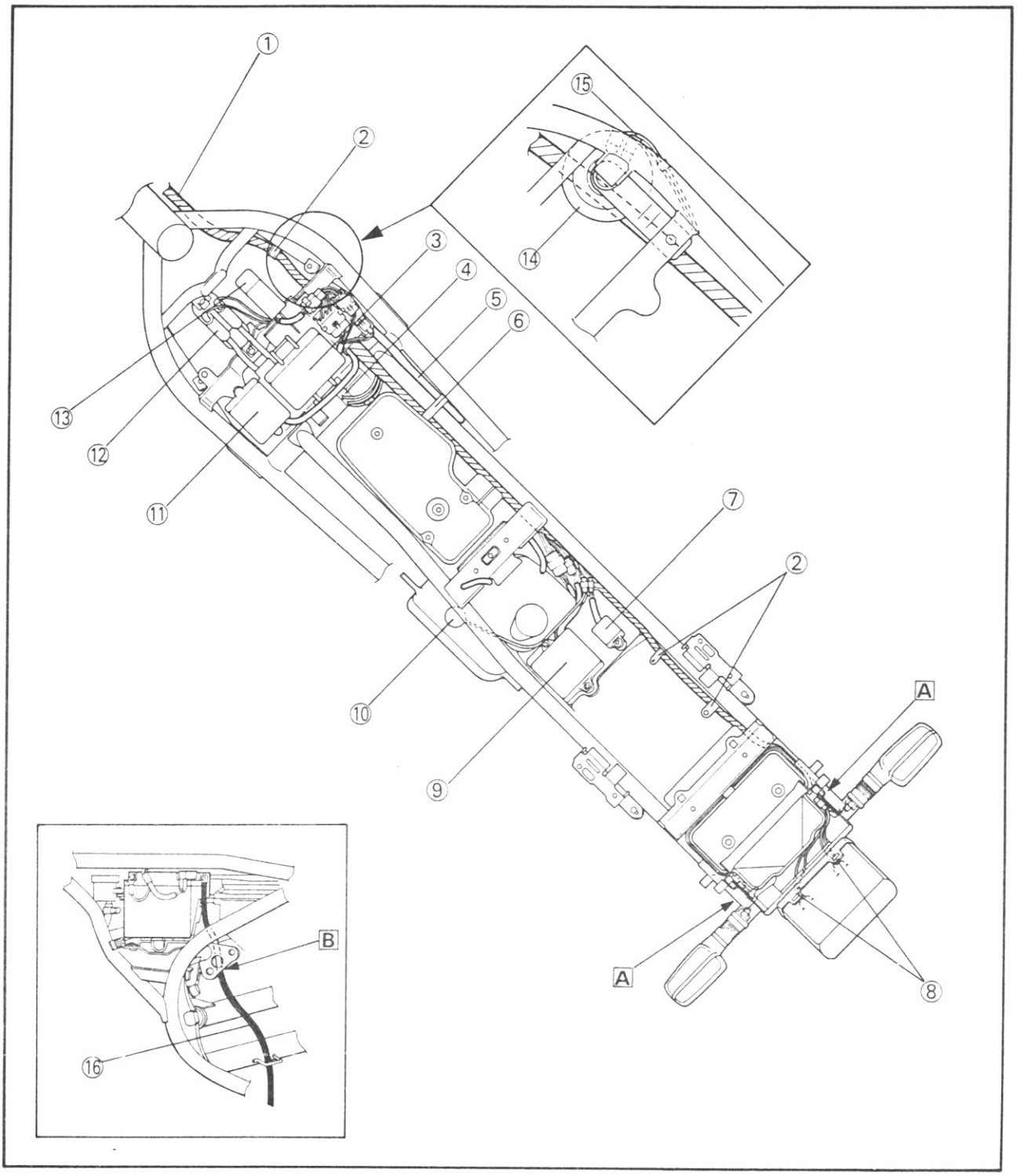
[A] Connect the meter leads inside of the headlight body.
[B] Connect the flasher light leads inside of the headlight body.



CABLE ROUTING (FOR RD350LC)

① Wire harness
② Clamp
③ CDI unit
④ Flasher relay
⑤ A.C. magneto lead
⑥ Band
⑦ Sidestand control unit
⑧ Tail/Brake light lead
⑨ YPVS control unit
⑩ Oil level switch
⑪ Fuse box
⑫ Ignition coil
⑬ Concelling unit
⑭ Horn
⑮ Horn lead
⑯ Battery breather pipe

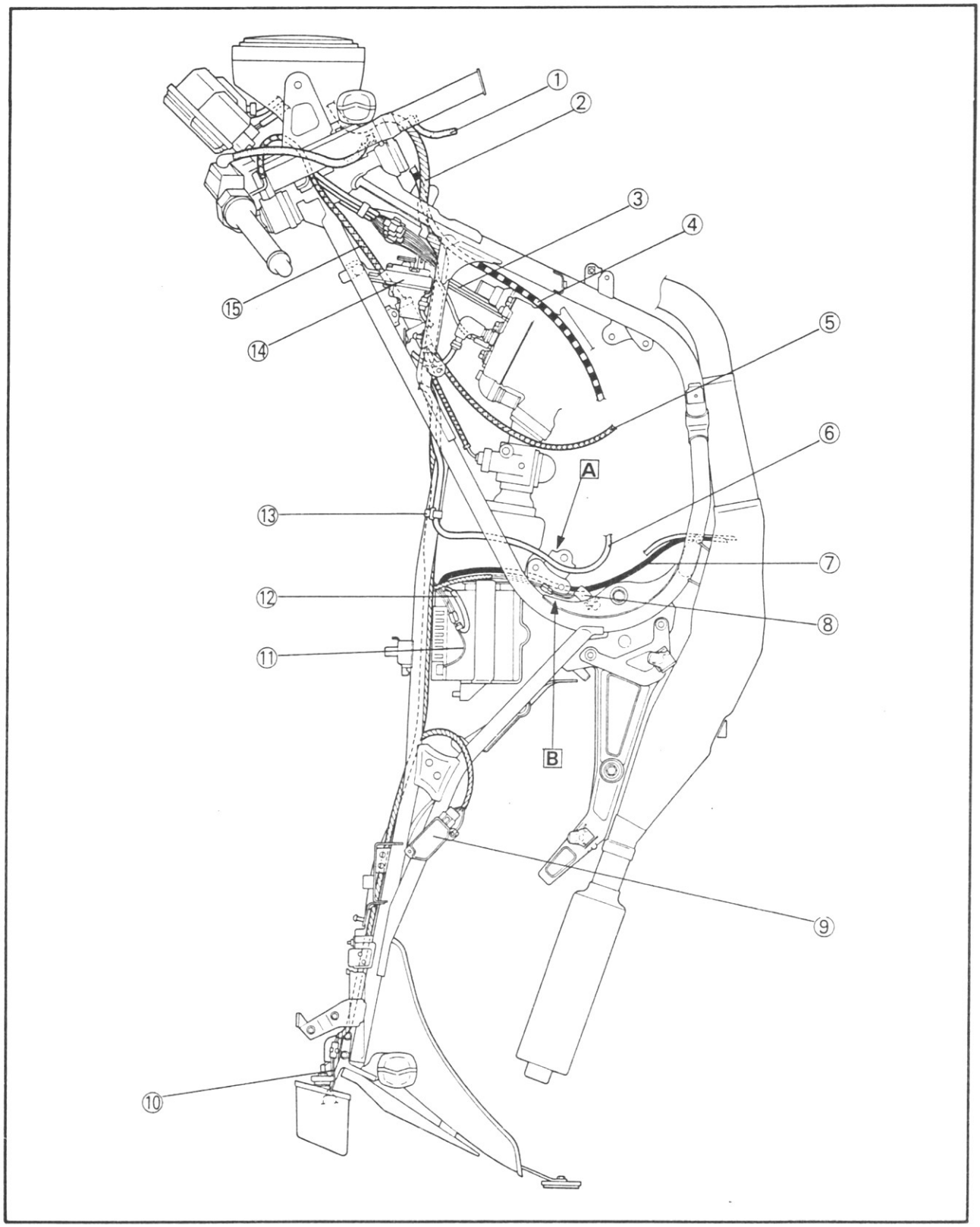
[A] Pass the flasher light leads along inside of the frame
[B] Pass the battery breather pipe through inside of the engine bracket.



CABLE ROUTING (FOR RD350LC)

① Brake hose
② Wire harness
③ YPVS cable
④ Clutch cable
⑤ Autolube pump cable
⑥ A.C. magneto lead
⑦ Battery breather pipe
⑧ Rear brake switch
⑨ Rectifier/Regulator
⑩ Tail/Brake light lead
⑪ Battery negative lead
⑫ Battery positive lead
⑬ Band
⑭ Servomotor
⑮ Throttle cable

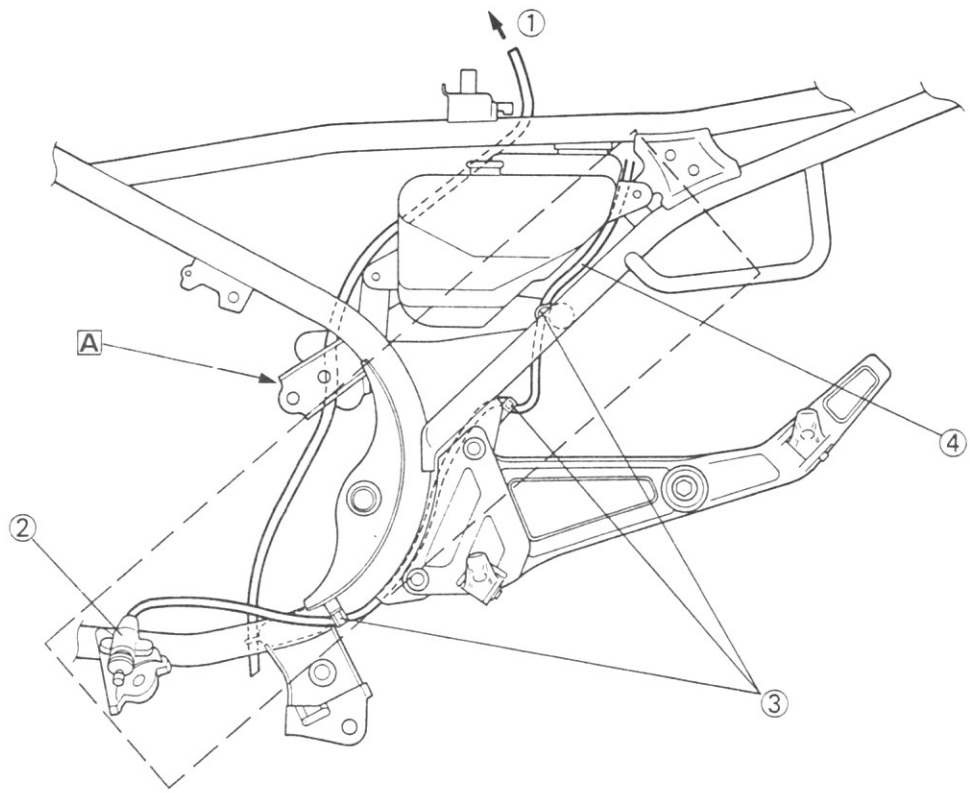
Ⓐ Pass the AC magneto lead through outside of the engine bracket.
Ⓑ Pass the rear brake switch through outside of the engine bracket.



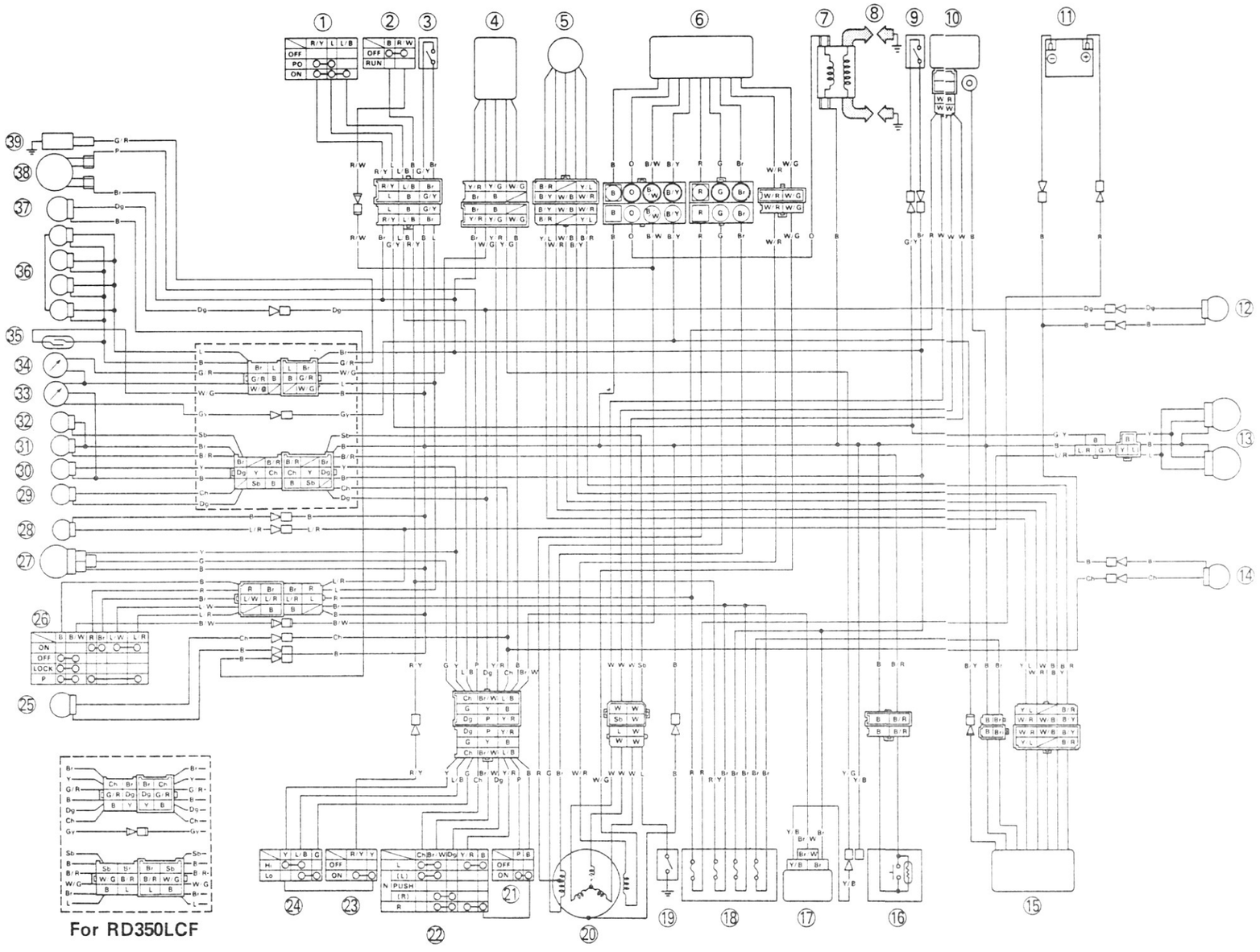
CABLE ROUTING (FOR RD350LC)

① To fuel tank
② Sidestand switch
③ Clamp
④ Sidestand switch lead

[A] Pass the fuel tank breather pipe through inside of the engine bracket.



RD350LC/RD350LCF
WIRING DIAGRAM
FOR MODEL WITHOUT SIDESTAND SWITCH



For RD350LCF

① "LIGHTS" switch
② "ENGINE STOP" switch
③ Front brake switch
④ Cancelling unit
⑤ YPVS-Motor
⑥ CDI unit
⑦ Ignition coil
⑧ Spark plug
⑨ Rear brake switch
⑩ Rectifier/Regulator
⑪ Battery
⑫ Rear flasher light (R)
⑬ Tail/brake light
⑭ Rear flasher light (L)
⑮ YPVS control unit
⑯ Oil level switch
⑰ Flasher relay
⑱ Fuse box
⑲ Neutral switch
⑳ CDI magneto
㉑ "HORN" switch
㉒ "TURN" switch
㉓ "PASS" switch
㉔ "LIGHTS" (Dimmer) switch
㉕ Front flasher light (L)
㉖ Main switch
㉗ Headlight
㉘ Auxiliary light
㉙ "TURN" indicator light
㉚ "HIGH BEAM" indicator light
㉛ "OIL" warning indicator
㉜ "NEUTRAL" indicator light
㉝ Tachometer
㉞ Temperature gauge
㉟ Reed switch
㊱ Meter light
㊲ Front flasher light (R)
㊳ Horn
㊴ Thermo switch

COLOR CODE

B	Black
Br	Brown
Ch	Chocolate
Dg	Dark green
G	Green
Gy	Gray
L	Blue
O	Orange
P	Pink
R	Red
Sb	Sky blue
W	White
Y	Yellow
B/R	Black/Red
B/W	Black/White
B/Y	Black/Yellow
Br/W	Brown/White
G/R	Green/Red
G/Y	Green/Yellow
L/B	Blue/Black
L/R	Blue/Red
L/W	Blue/White
R/W	Red/White
R/Y	Red/Yellow
W/B	White/Black
W/G	White/Green
W/R	White/Red
Y/B	Yellow/Black
Y/G	Yellow/Green
Y/L	Yellow/Blue
Y/R	Yellow/Red