



# **YZF-R6(L) 2000**

**5EB1-AE2**

## **SUPPLEMENTARY SERVICE MANUAL**



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## **FOREWORD**

This Supplementary Service Manual has been prepared to introduce new service and data for the YZF-R6 (L) 2000. For complete service information procedures it is necessary to use this Supplementary Service Manual together with the following manual.

<b>YZF-R6 '99 SERVICE MANUAL: 5EB1-AE1</b>
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<p><b>YZF-R6 (L) 2000 SUPPLEMENTARY SERVICE MANUAL</b></p>
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## NOTICE

This manual was produced by the Yamaha Motor Company, Ltd. primarily for use by Yamaha dealers and their qualified mechanics. It is not possible to include all the knowledge of a mechanic in one manual, so it is assumed that anyone who uses this book to perform maintenance and repairs on Yamaha motorcycles has a basic understanding of the mechanical ideas and the procedures of motorcycles repair.

Repairs attempted by anyone without this knowledge are likely to render the motorcycles unfit for use.

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:** 

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Designs and specifications are subject to change without notice.

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## IMPORTANT INFORMATION

Particularly important information is distinguished in this manual by the following.



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.

**CAUTION:**

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.

## HOW TO USE THIS MANUAL

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

① The manual is divided into chapters. An abbreviation and symbol in the upper right corner of each page indicate the current chapter. Refer to “SYMBOLS” on the following page.

② Each chapter is divided into sections. The current section title is shown at the top of each page, except in Chapter 3 (“Periodic Inspections and Adjustments”), where the sub-section title (-s) appear.

(In Chapter 3, “Periodic Inspections and Adjustments”, the sub-section title appears at the top of each page, instead of the section title.)

③ Sub-section titles appear in smaller print than the section title.


④ To help identify parts and clarify procedure steps, there are exploded diagrams at the start of each removal and disassembly section.

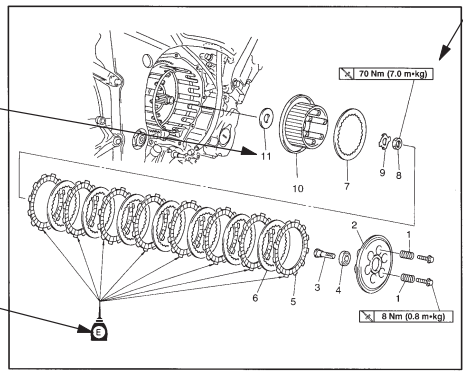
⑤ Numbers are given in the order of the jobs in the exploded diagram. A circled number indicates a disassembly step.

⑥ Symbols indicate parts to be lubricated or replaced (see “SYMBOLS”).

⑦ A job instruction chart accompanies the exploded diagram, providing the order of jobs, names of parts, notes in jobs, etc.

⑧ Jobs requiring more information (such as special tools and technical data) are described sequentially.

CLUTCH    ENG 




⑤

⑥

⑦

Order	Job/Part	Q'ty	Remarks
<b>Removing the clutch</b>			
1	Compression spring	6	Remove the parts in the order listed.
2	Pressure plate	1	
3	Pull rod	1	
4	Bearing	1	
5	Friction plate	8	Refer to "INSTALLING THE CLUTCH".
6	Clutch plate	7	
7	Clutch plate	1	Refer to "REMOVING/INSTALLING THE CLUTCH".
8	Clutch boss nut	1	
9	Lock washer	1	
10	Clutch boss	1	

CLUTCH    ENG 

**REMOVING THE CLUTCH**

1. Remove:

- clutch cover ①

**NOTE:**

Loosen each bolt 1/4 of a turn at a time, in stages and in a crisscross pattern. After all of the bolts are fully loosened, remove them.

• Pressure plate

• Friction and clutch plates


2. Straighten the lock washer tab.

3. Loosen:

- clutch boss nut ④

**NOTE:**

While holding the clutch boss ② with the clutch holding tool 90890-04086, loosen the clutch boss nut.

 **Clutch holding tool 90890-04086**

4. Remove:

- clutch boss nut ④
- lock washer ②
- clutch boss ③
- thrust plate ④

**CHECKING THE FRICTION PLATES**

The following procedure applies to all of the friction plates.

1. Check:

- Friction plate

Damage/wear → Replace the friction plates as a set.


2. Measure:














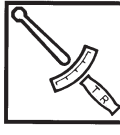










- Friction plate thickness

Out of specification → Replace the friction plates as a set.

**NOTE:**

Measure the friction plate at four places.

 **Friction plate thickness**  
2.9 ~ 3.1 mm  
Limits: 2.8 mm

① GEN INFO 	② SPEC 	
③ CHK 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 
㉔ 	㉕ New	

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## SYMBOLS

The following symbols are not relevant to every vehicle.

Symbols ① to ⑨ indicate the subject of each chapter.

- ① General information
- ② Specifications
- ③ Periodic checks and adjustment
- ④ Engine
- ⑤ Cooling system
- ⑥ Carburetor(-s)
- ⑦ Chassis
- ⑧ Electrical system
- ⑨ Troubleshooting

Symbols ⑩ to ⑰ indicate the following.

- ⑩ Serviceable with engine mounted
- ⑪ Filling fluid
- ⑫ Lubricant
- ⑬ Special tool
- ⑭ Tightening torque
- ⑮ Wear limit, clearance
- ⑯ Engine speed
- ⑰ Electrical data

Symbols ⑱ to ㉓ in the exploded diagrams indicate the types of lubricants and lubrication points.

- ⑱ Apply engine oil
- ⑲ Apply gear oil
- ⑳ Apply molybdenum disulfide oil
- ㉑ Apply wheel bearing grease
- ㉒ Apply lightweight lithium-soap base grease
- ㉓ Apply molybdenum disulfide grease

Symbols ㉔ to ㉕ in the exploded diagrams indicate the following:

- ㉔ Apply locking agent (LOCTITE®)
- ㉕ Use new one

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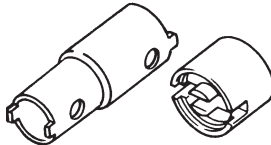


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**SPECIAL TOOLS**


The following special tools are necessary for complete and accurate tune-up and assembly. Use only the appropriate special tools as this will help prevent damage caused by the use of inappropriate tools or improvised techniques.

When placing an order, refer to the list provided below to avoid any mistakes.

Tool No.	Tool name/Function	Illustration
Pivot shaft wrench 90890-01471 Adapter 90890-01476	Pivot shaft wrench Adapter  This tool is used to loosen or tighten the pivot adjust bolt and engine mount adjust bolt.	



## ENGINE SPECIFICATIONS

Item	Standard	Limit
<b>Pistons</b> Oil ring  Dimensions (B × T) End gap (installed)	   1.5 × 2.0 mm 0.10 ~ 0.35 mm	   ... ...
<b>Crankshaft</b> Crankshaft-journal-to-crankshaft-journal-bearing clearance	0.028 ~ 0.052 mm	...
<b>Carburetors</b> ID mark Jet needle Pilot screw turns out	5EB1 #1, 4: N7RA #2, 3: N7SA 1-1/2 ~ 2	... ... ...

## ELECTRICAL SPECIFICATIONS

Item	Standard	Limit
<b>Ignition system</b> Ignition timing	10° BTDC at 1300 r/min	...
<b>Ignition coils</b> Primary coil resistance Secondary coil resistance	0.204 ~ 0.276 Ω 8.5 ~ 11.5 Ω	... ...
<b>Oil level switch model (manufacturer)</b>	5EB (DENSO)	...
<b>Fuel pump relay model (manufacturer)</b> <b>Resistance</b>	G8R-30Y-M (OMRON) 162 ~ 198 Ω	...

## TIGHTENING TORQUES

**SPEC**



### CHASSIS TIGHTENING TORQUES

Item	Thread size	Tightening torque		Remarks
		Nm	m•kg	
Engine mounting adjusting bolts	M10	7	0.7	
Rear shock absorber and frame		40	4.0	
Pivot shaft adjust bolt		5	0.5	

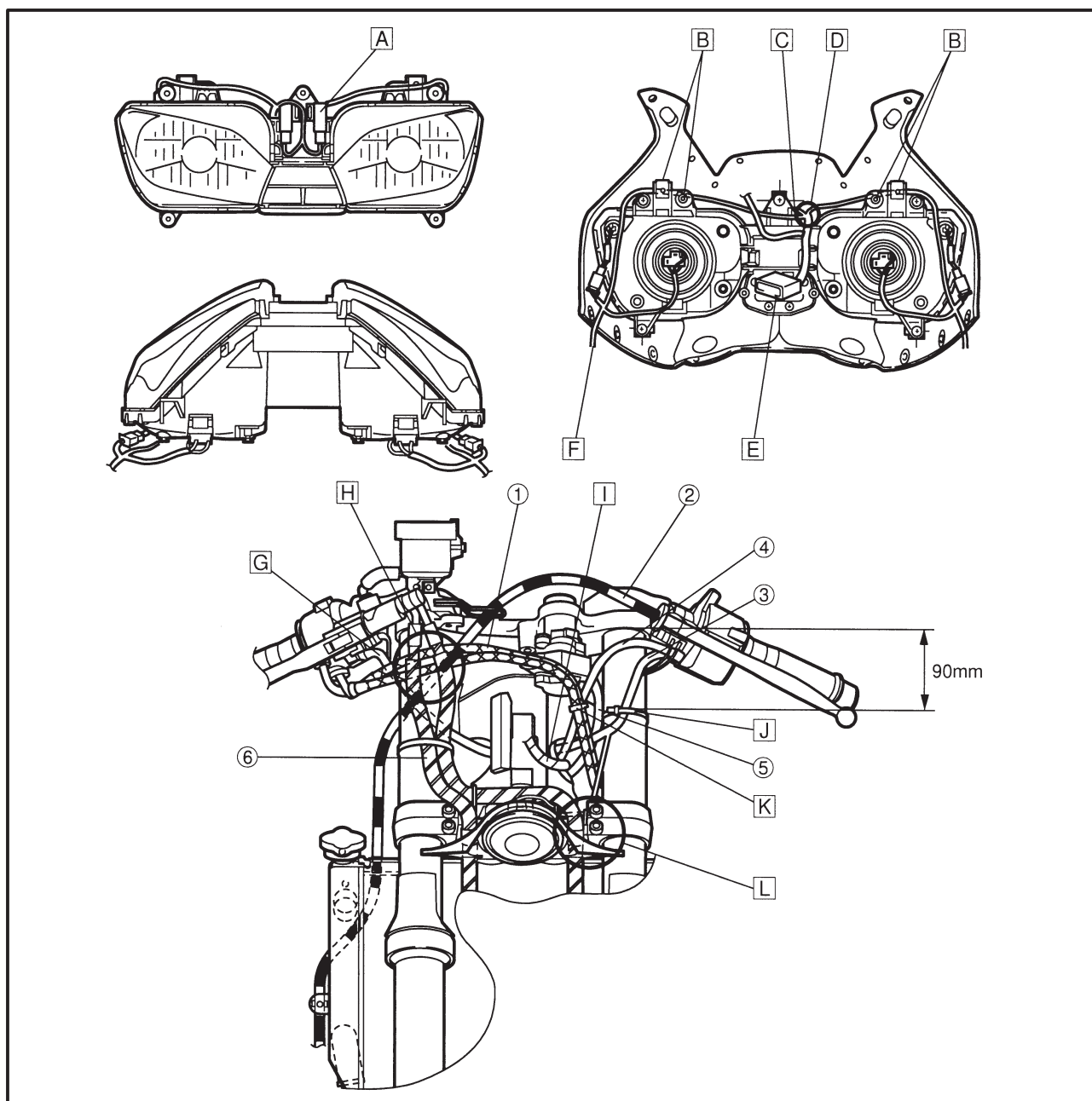


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## CABLE ROUTING

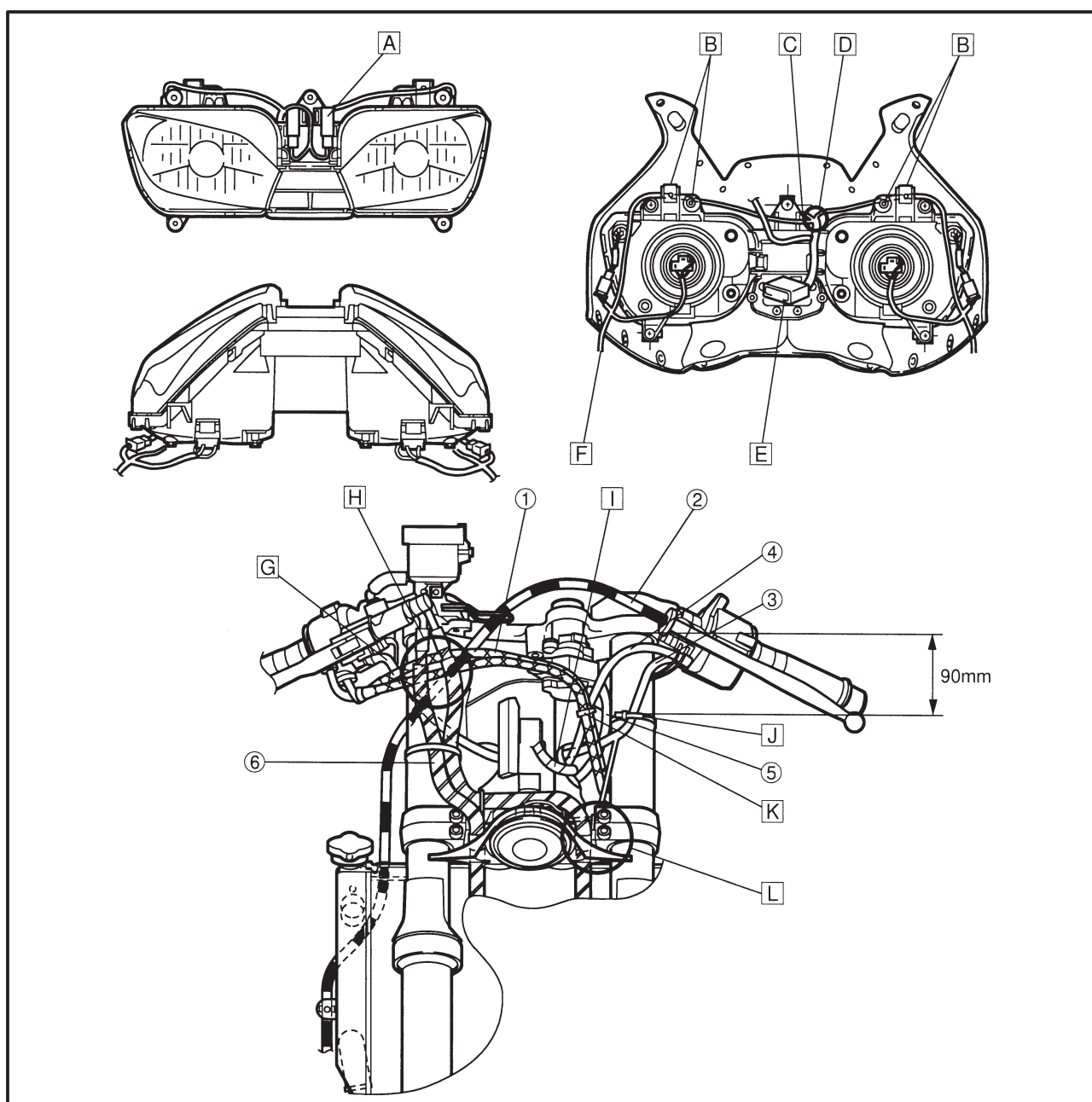
- ① Throttle cables
- ② Clutch cable
- ③ Left handlebar switch lead
- ④ Starter cable
- ⑤ Main switch lead
- ⑥ Front brake hose
- ⑦ Right handlebar switch lead

- A Install the headlight relays onto the headlight housing bridge.
- B Route the headlight lead through the plastic guide.
- C Route the headlight lead through the headlight bracket right side, and connect relay.
- D Don't kink.
- E Put coupler into stay.
- F Make sure the connector is out off the bottom end of front cowl.
- G Route the right handlebar switch lead in front of the front fork inner tube.
- H Route the throttle cables between the brake hose and right handlebar switch lead.
- I Route the wire harness through under the left handlebar switch lead and starter cable.
- J Fasten the left handlebar switch lead to the front fork with a plastic locking tie and cut the end of locking tie.
- K Fasten the throttle cables and starter cable with a band.





- L** Locate the end of band to forward.  
Route the horn lead outside the throttle cables and fasten it to the under bracket with a plastic locking tie. Cut the end of locking tie.  
And then, route the horn lead under the brake hose and clamp it to the under cover.



## CABLE ROUTING

**SPEC**

- ① Fuel pump lead
- ② Pickup coil lead
- ③ Thermo switch
- ④ Clutch cable
- ⑤ Rear brake switch lead

**F** Fasten the rear brake switch lead to the footrest bracket with a plastic locking tie and cut the end of locking tie.

**G** Fasten the fuel pump lead and rear brake switch lead with a plastic band on the fuel pump bracket.

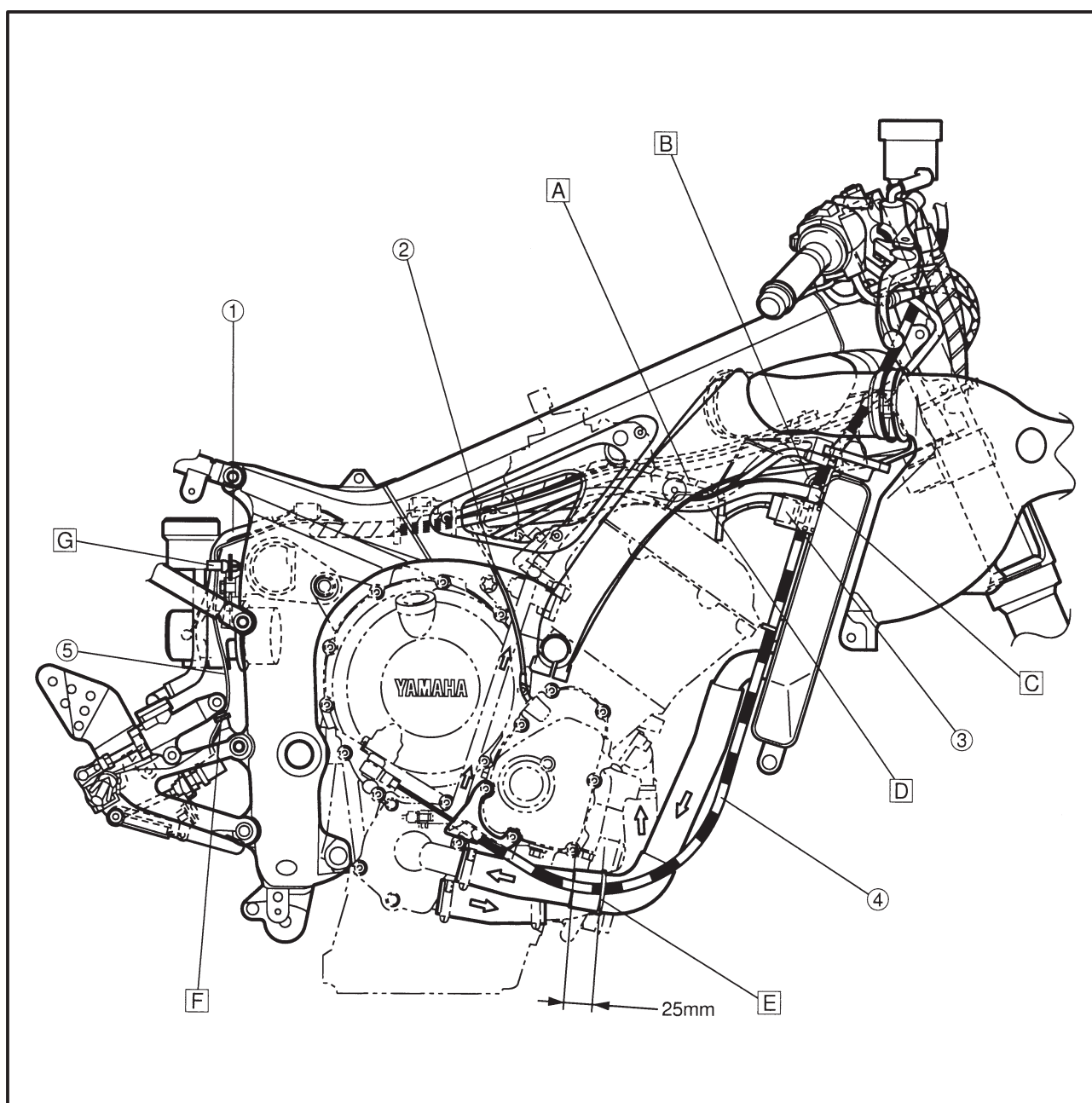
**A** Route the ignition coil lead and thermo switch lead over the heat protector plate.

**B** Route the clutch cable through the guide on the frame.

**C** Position the face of steel clip up ward.

**D** Route the coolant hoses (3 hoses) under the heat protector plate.

**E** Fasten the clutch cable to the coolant hose protector with a plastic band.



## CABLE ROUTING

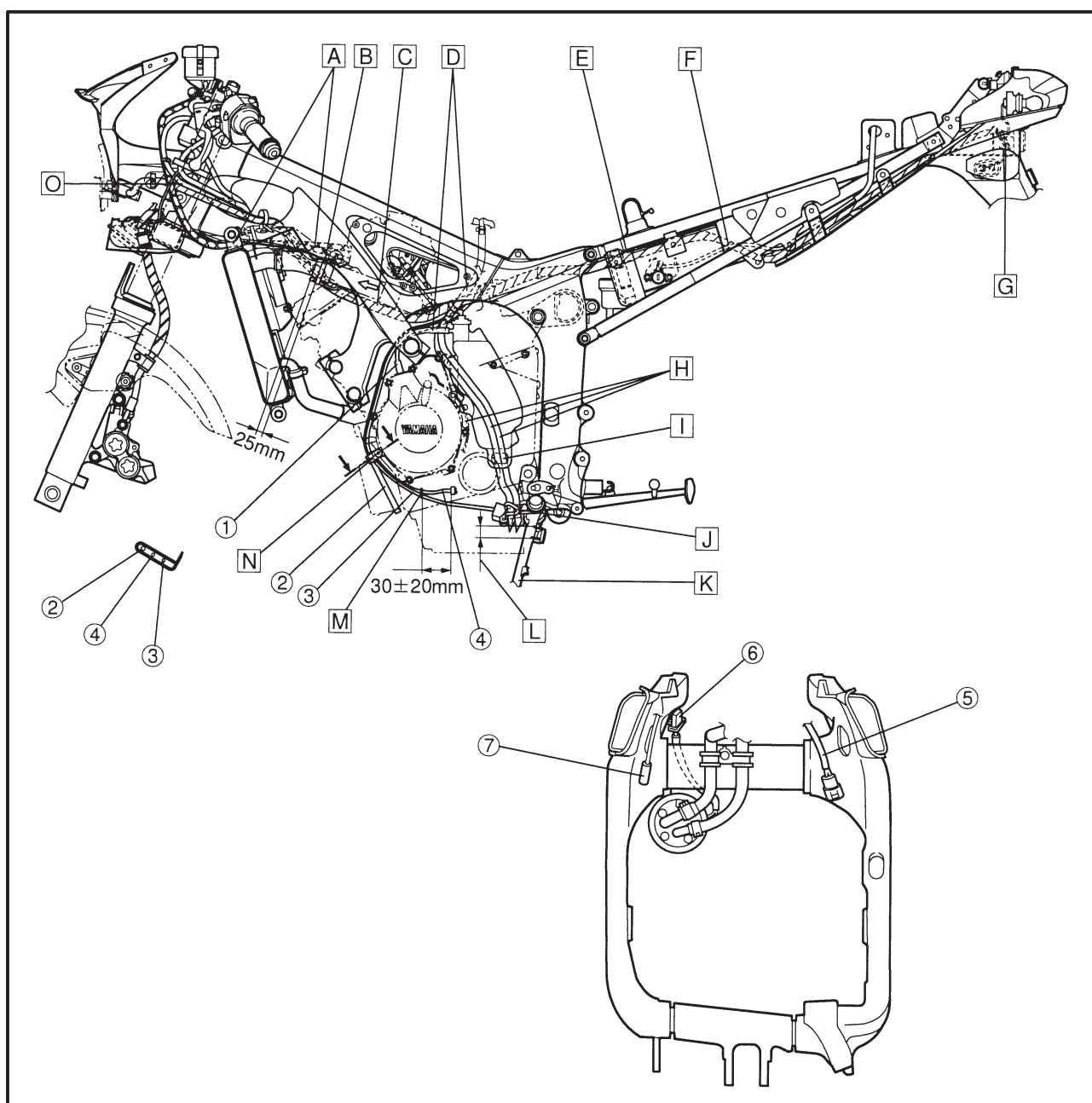
SPEC



- ① AC magneto lead
- ② Reservoir tank breather hose
- ③ Sidestand switch lead
- ④ Oil level switch lead
- ⑤ Speed sensor lead
- ⑥ Fuel pump lead
- ⑦ Neutral switch lead

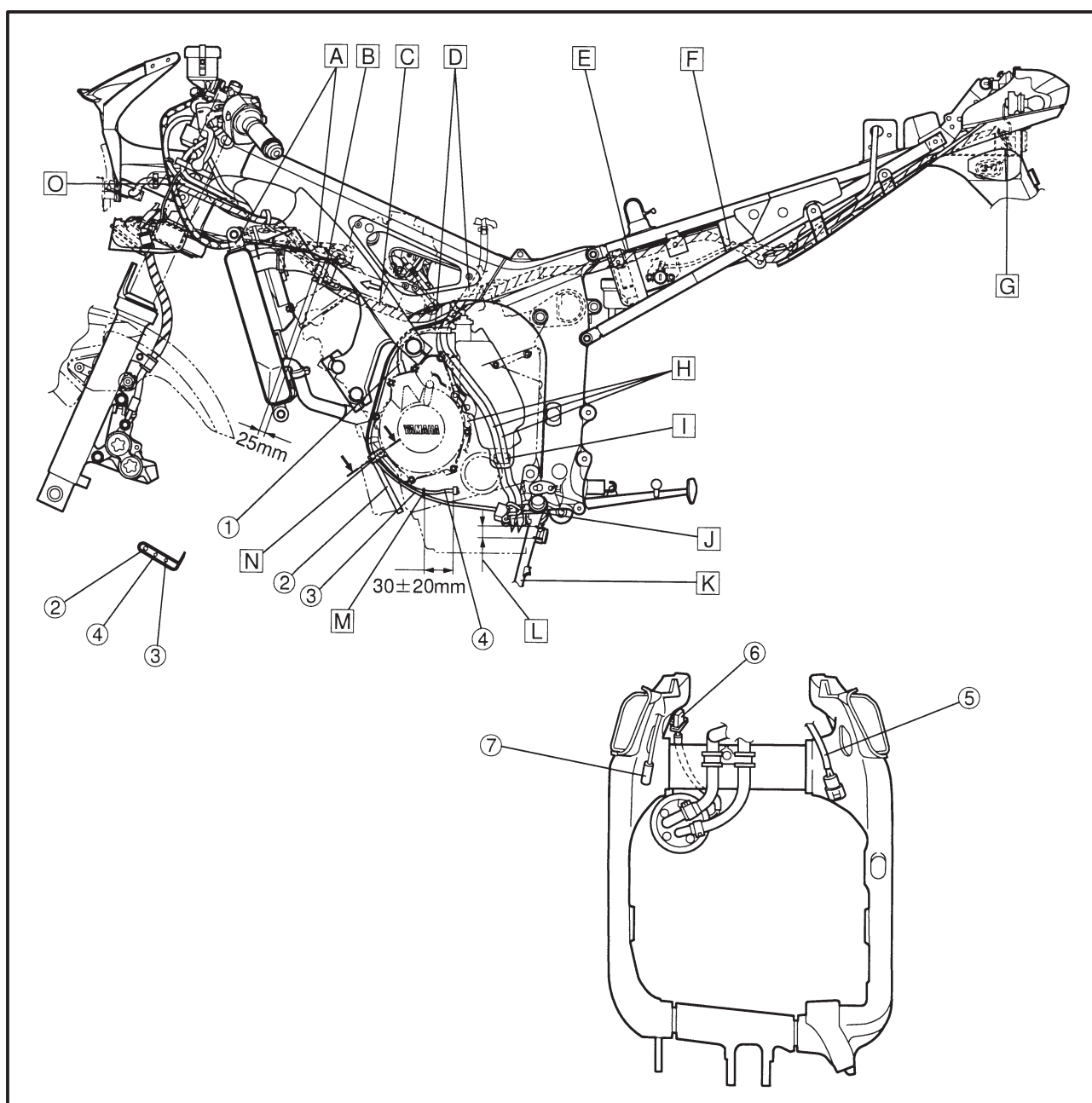
- [A] Route the throttle cable through inside of the radiator bracket and outside of the wireharness.
- [B] Fasten the wireharness, radiator hose and fan motor lead with a plastic band. Locate the end of band to inside. Push the radiator fan motor lead connector between radiator hose and wireharness.

- [C] Don't touch the wireharness with the throttle cable pulley. Route the wire harness under the radiator hose.
- [D] Route the fuel tank breather hose and fuel tank drain hose between reservoir tank breather hose and wireharness.
- [E] Route the wireharness through the slite of rear fender.
- [F] Route the seat lock cable outside of the wireharness.
- [G] Route the rear turn signal light leads (left and right) through the hole of rear fender.
- [H] Route the fuel tank drain hose and the fuel tank breather hose behind the curve of the under cawl.





- I** Route the fuel tank drain hose and the fuel tank breather hose through the reservoir tank holder from its outside to inside. Don't kink.
- J** Route the fuel tank drain hose and fuel tank breather hose through the holder of the hook and the side-stand. Don't kink.
- K** When the sidestand is used.
- L** The bottom end of the drain hose comes here.
- M** Fasten the sidestand switch lead and oil level sensor lead with a band.
- N** Route the reservoir tank breather hose, oil level switch lead and sidestand switch lead through the holder.
- O** Route the starter cable between wireharness and left handlebar switch lead.





## CABLE ROUTING

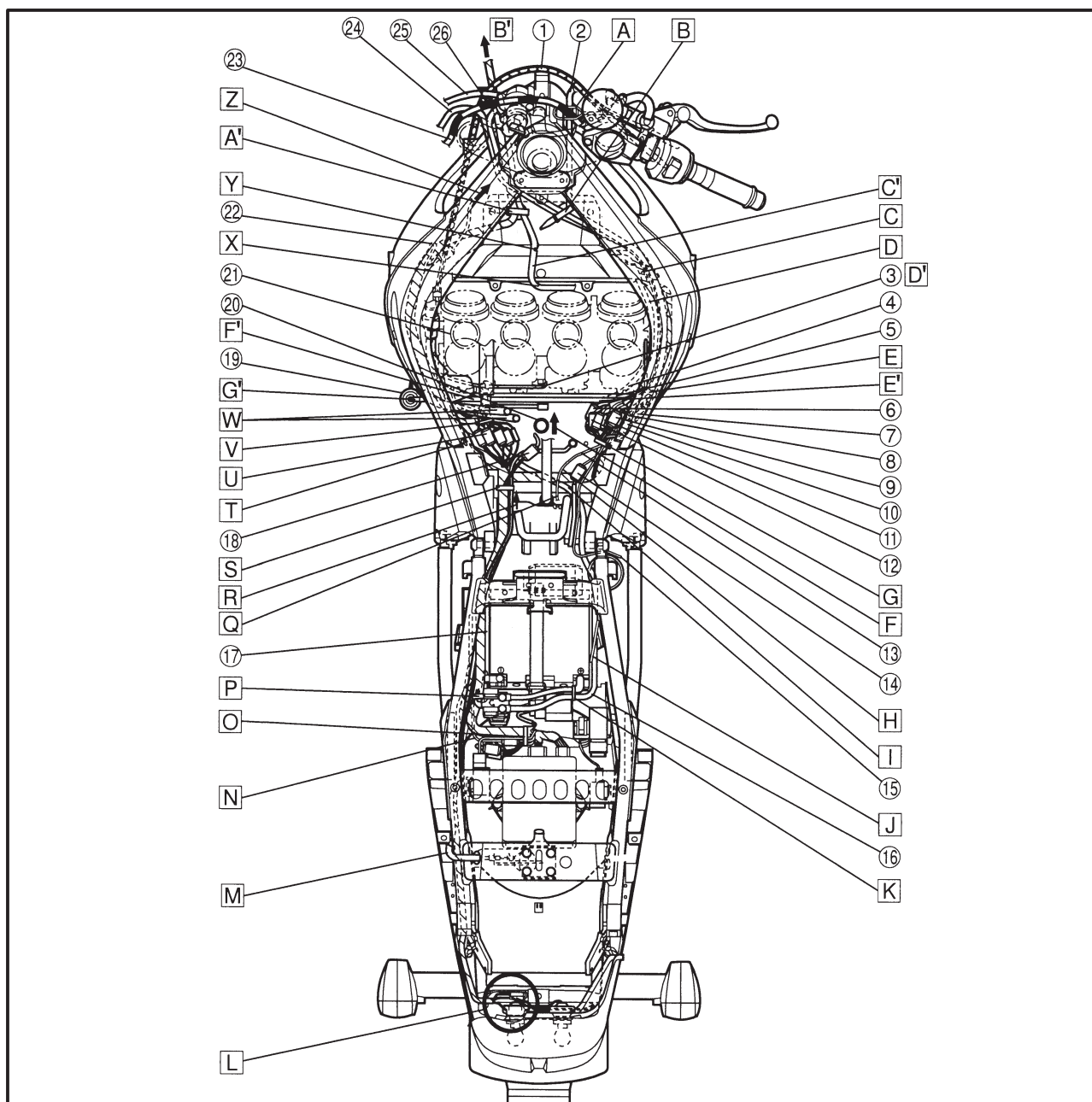
SPEC



- ① Throttle cable
- ② Right handlebar switch lead
- ③ Thermo unit lead
- ④ Reservoir tank breather hose
- ⑤ Carburetor idle adjusting cable
- ⑥ Pickup coil connector
- ⑦ Neutral switch connector
- ⑧ Rear brake switch connector
- ⑨ Right handlebar switch connectors
- ⑩ Throttle position sensor connector
- ⑪ Main switch connectors
- ⑫ Left handlebar switch connectors
- ⑬ Neutral switch lead
- ⑭ Fuel pump connector
- ⑮ Rear brake switch lead
- ⑯ Starter motor lead
- ⑰ Battery negative (-) lead

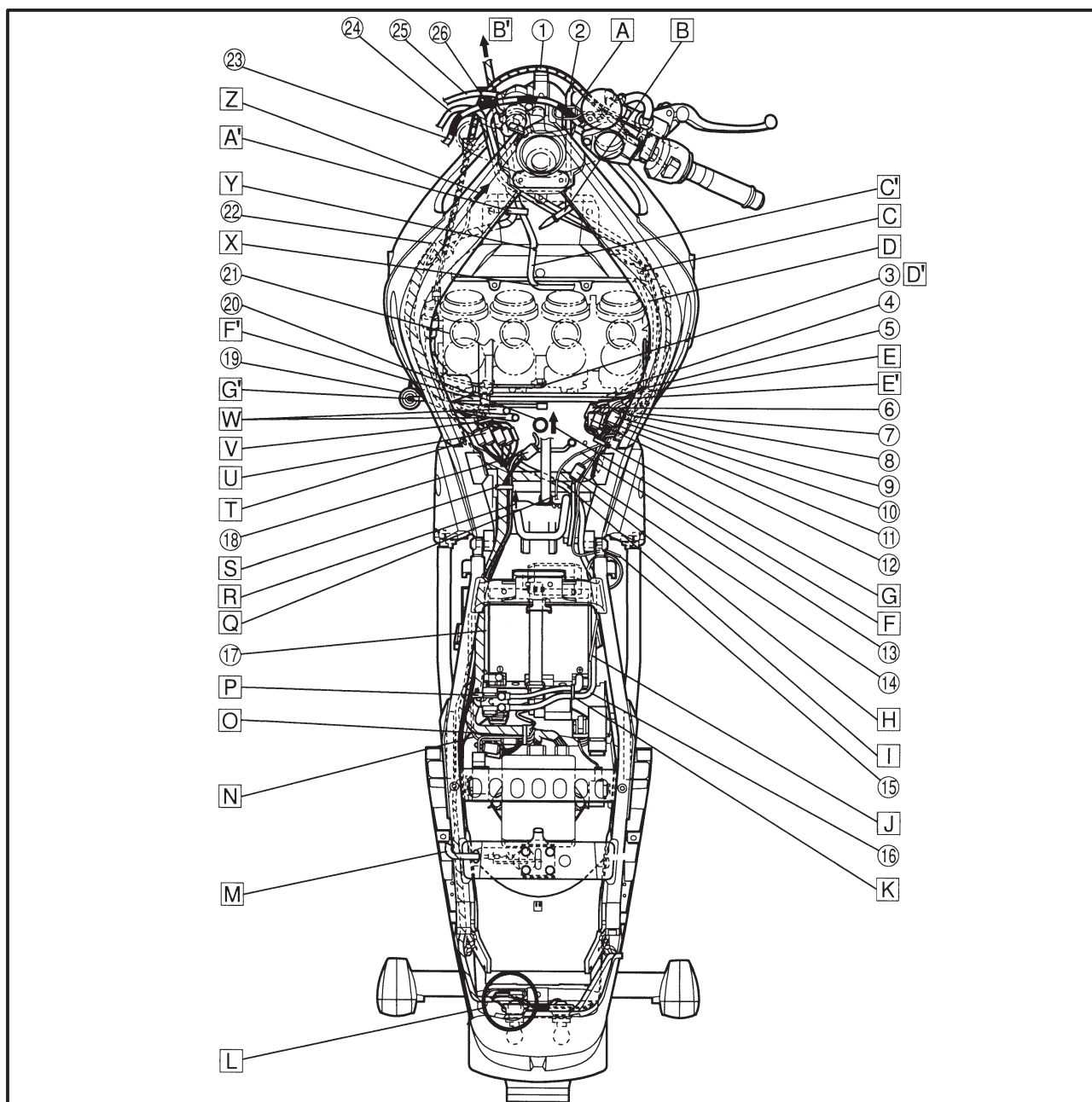
- ⑱ Fuel sender connector
- ⑲ Coolant reservoir tank cap
- ⑳ Crankcase breather hose
- ㉑ Heat protector
- ㉒ Radiator fan motor lead
- ㉓ Clutch cable
- ㉔ Left handlebar switch lead
- ㉕ Starter cable
- ㉖ Main switch lead

- A Route the clutch cable through the guide.
- B Fasten the handlebar switch leads (left and right) and main switch lead with a band. Locate the end of band to inside.
- C Route the ignition coil lead and handlebar switch leads (left and right) over the heat protector.
- D Route the radiator hoses under the heat protector.



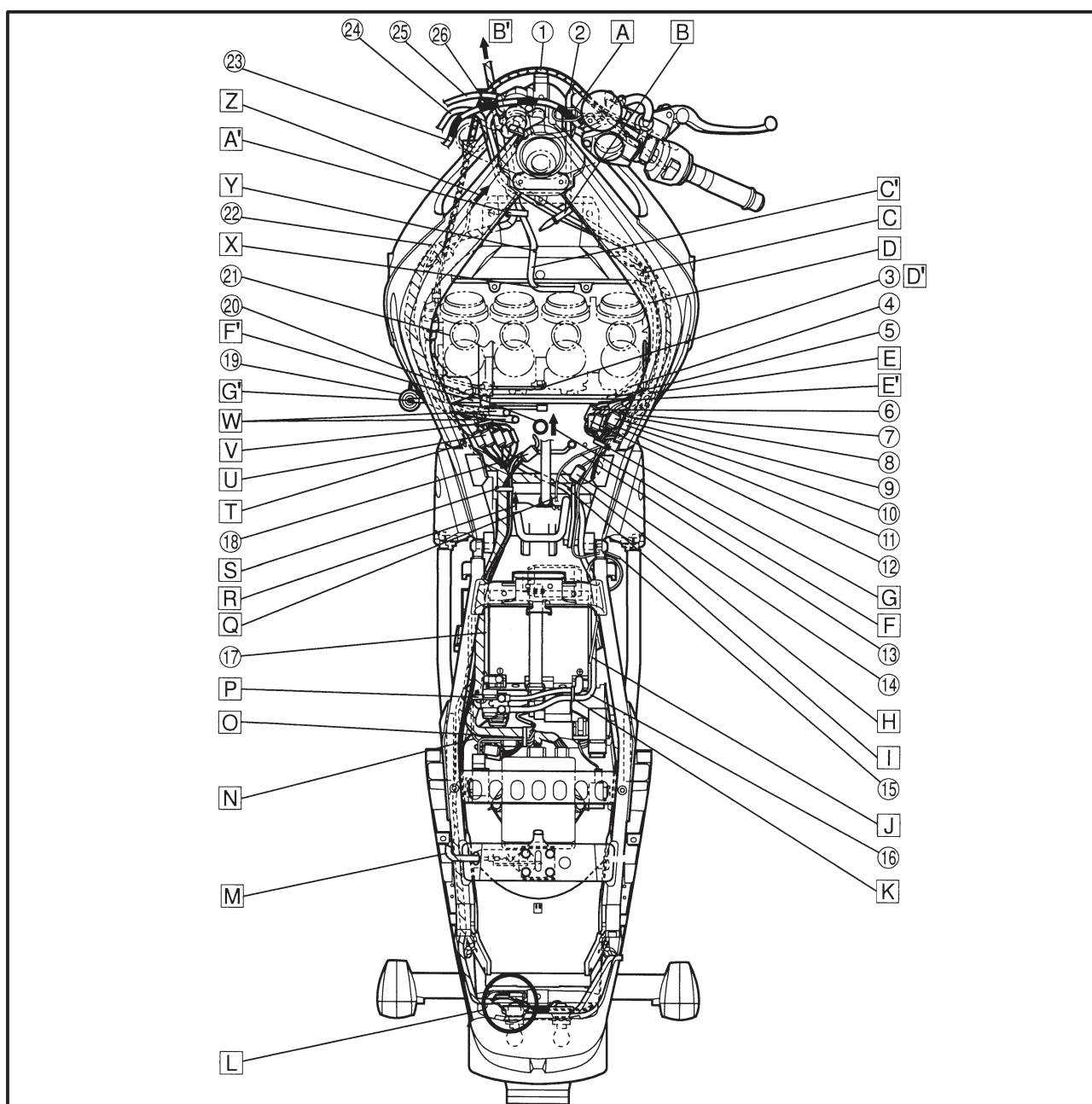


- [E] Fasten the wireharness pickup coil lead handlebar switch lead (left and right) main switch lead TPS lead with a band.
- [F] To the carburetor.
- [G] Insert the projection of the band to the hole of the frame and fasten the wireharness, neutral switch lead handlebar switch leads (left and right), main switch lead, TPS lead, rear brake switch lead and pickup coil lead with them.
- [H] Neutral switch lead can be put either over or under the wireharness and starter motor.
- [I] Route the starter motor lead under the wireharness and battery negative (-) lead.
- [J] Fasten the starter motor lead to the rear fender with a band.
- [K] Fasten the battery positive (+) lead and starter motor lead with a band.
- [L] Position the rear turn signal light connectors (left and right) and taillight connector between the rear fender and taillight bracket.
- [M] Install the seatlock cable to the frame bracket with protector side.
- [N] Fasten the lead through under the wireharness and oil relay lead.
- [O] Fasten the alarm leads wireharness oil relay lead and ground lead with a band.
- [P] Fasten the starter relay lead and battery negative (-) lead to the wireharness with a band. Don't put the upper end of the band between the seat rail and the seat bottom.
- [Q] From the engine.
- [R] To the fuel filter.
- [S] Fasten the battery negative (-) lead and wireharness with a band.



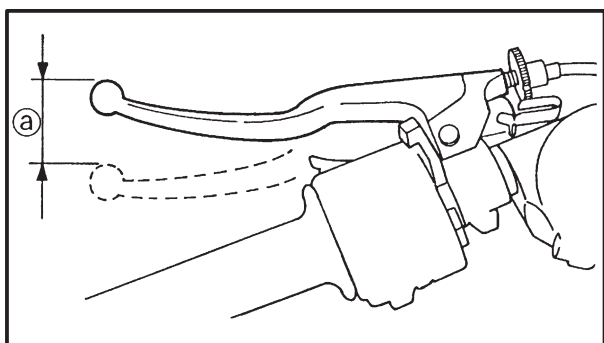


- T** Insert the projection of the band (wireharness) into the hole of the frame.
- U** 1: Speed sensor.  
2: AC magneto connector.  
3: Sidestand switch connector.  
4: Oil level switch connector.  
5: Meter ground lead.
- V** Fasten the leads (above 1 ~ 5) and starter motor lead with a band.
- W** Route the fuel tank drain hose and fuel tank breather hose outside of the wireharness and air chamber hose.
- X** The starter cable must not be out off the guide groove of the cover.
- Y** Insert the starter cable to the guide.
- Z** To radiator fan motor.
- A'** Insert the projection of the band to the hole of the frame and faster the starter cable and wireharness. Locate the end of band to left outside.
- B'** To headlight lead.
- C'** Route the starter cable over the heat protector.
- D'** Route the temperature lead upper the heat protector.
- E'** Route the reservoir tank breather hose upper the heat protector.
- F'** The fuel tank drain hose, temperature sender lead reservoir tank breather hose must be located over the groove.
- G'** Reservoir tank breather hose above the wireharness.



## ADJUSTING THE CLUTCH CABLE FREE PLAY

CHK  
ADJ



### CHASSIS

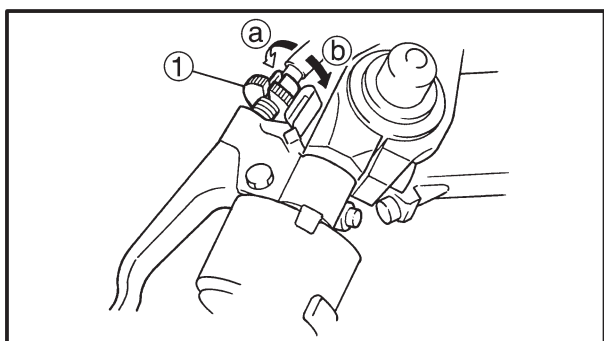
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#### ADJUSTING THE CLUTCH CABLE FREE PLAY

1. Measure:
  - clutch cable free play (a)
 Out of specification → Adjust.



**Clutch cable free play (at the end of the clutch lever)**  
**10 ~ 15 mm**



2. Adjust:
  - clutch cable free play

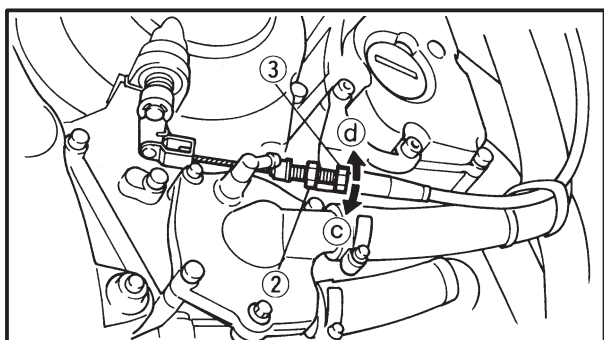
#### Handlebar side

- a. Turn the adjusting bolt (1) in direction (a) or (b) until the specified clutch cable free play is obtained.

Direction (a)	Clutch cable free play is increased.
Direction (b)	Clutch cable free play is decreased.

#### NOTE:

If the specified clutch cable free play cannot be obtained on the handlebar side of the cable, use the adjusting nut on the engine side.



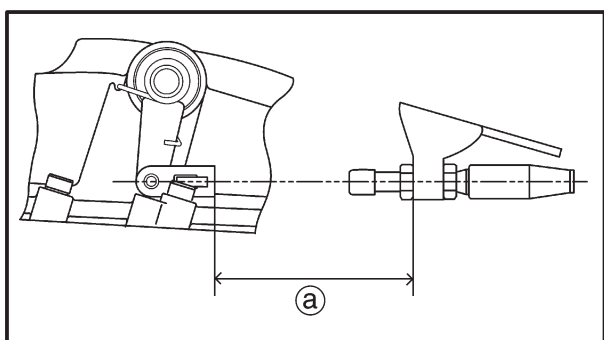
#### Engine side

- a. Loosen the locknut (2).
- b. Turn the adjusting nut (3) in direction (c) or (d) until the specified clutch cable free play is obtained.

Direction (c)	Clutch cable free play is increased.
Direction (d)	Clutch cable free play is decreased.

#### NOTE:

When the align mark of the cover and the lever are mated the gap. Should be the maximum (78.3 mm).



(a) 70.0 ~ 78.3 mm

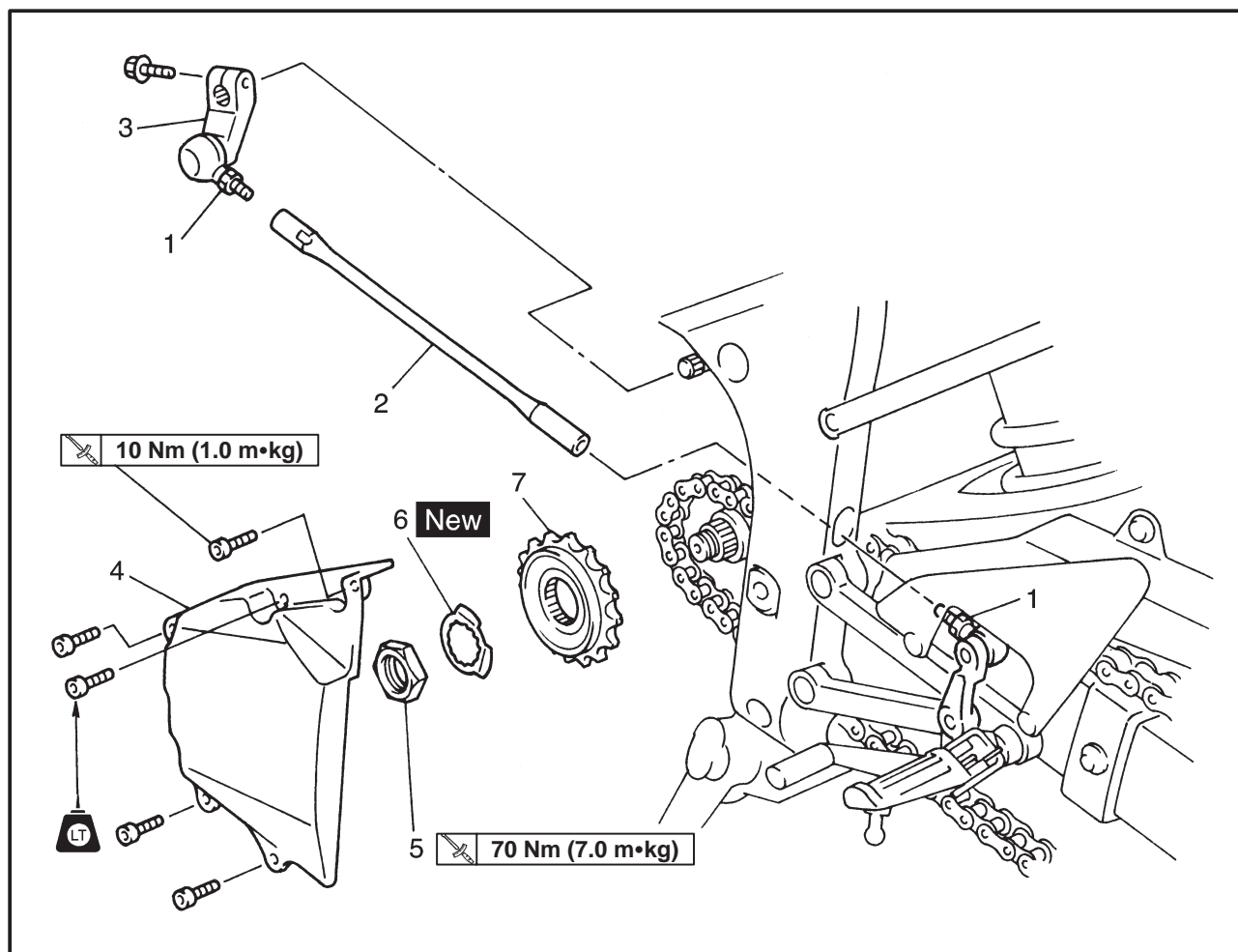
- c. Tighten the locknut.



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## OVERHAULING THE ENGINE

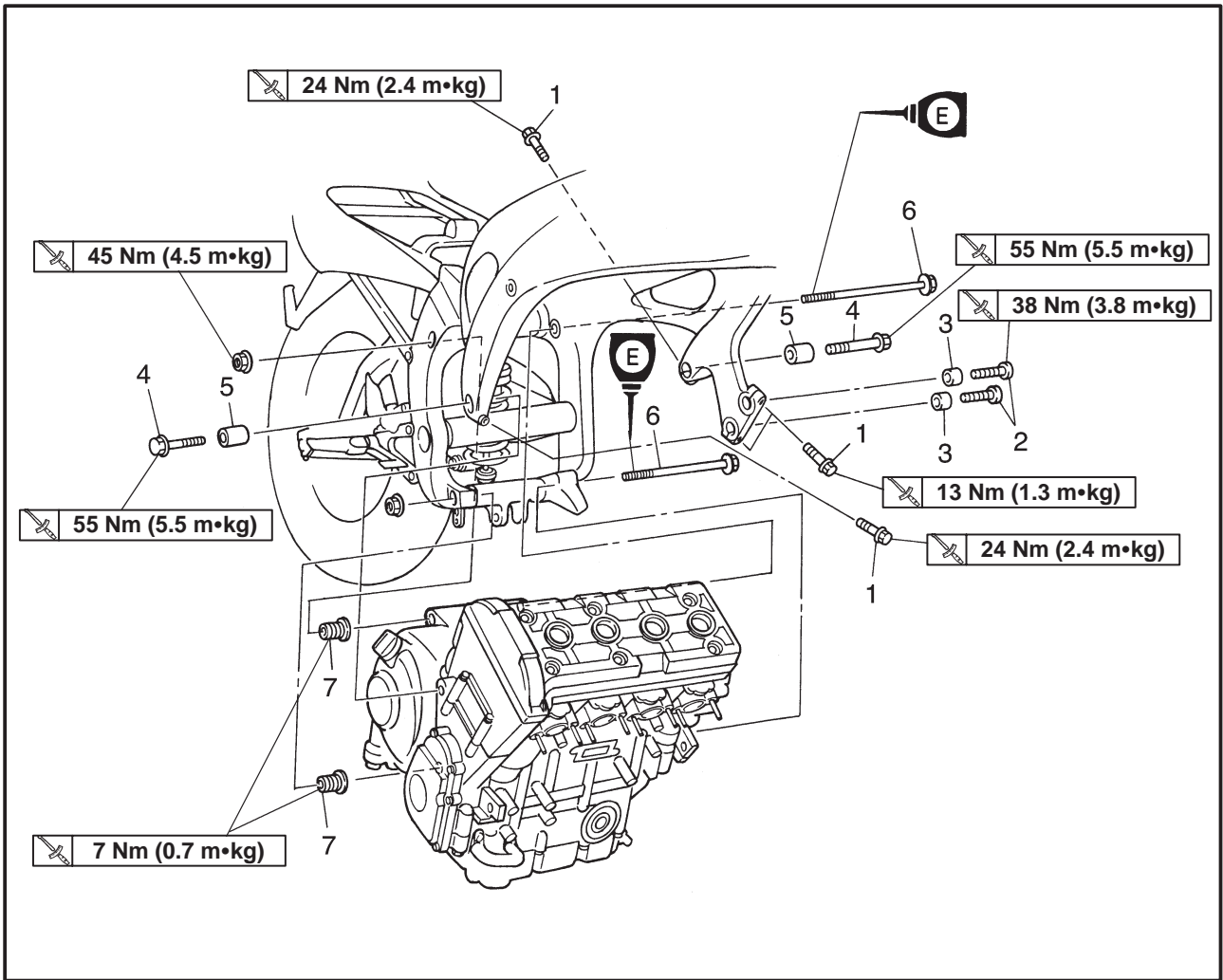
### ENGINE DRIVE SPROCKET



Order	Job/Part	Q'ty	Remarks
	<b>Removing the drive sprocket</b>		
	Reserve tank		Remove the parts in the order listed. Refer to "CHANGING THE COOLANT"
1	Locknut	2	
2	Shift rod	1	
3	Shift arm	1	
4	Drive sprocket cover	1	
5	Nut	1	
6	Lock washer	1	
7	Drive sprocket	1	
			For installation reverse the remove procedure.

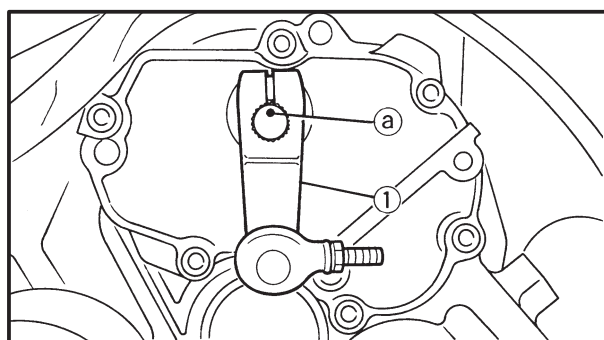
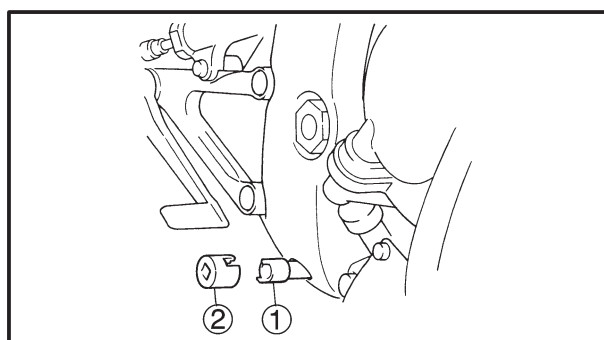
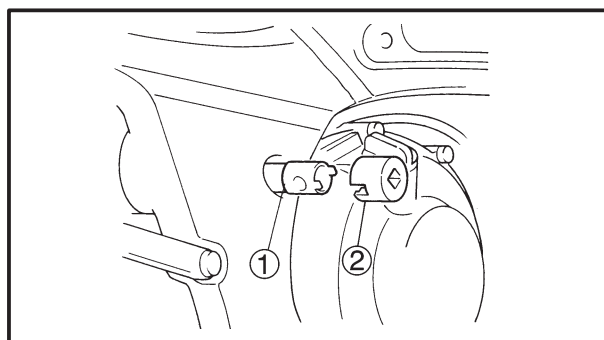
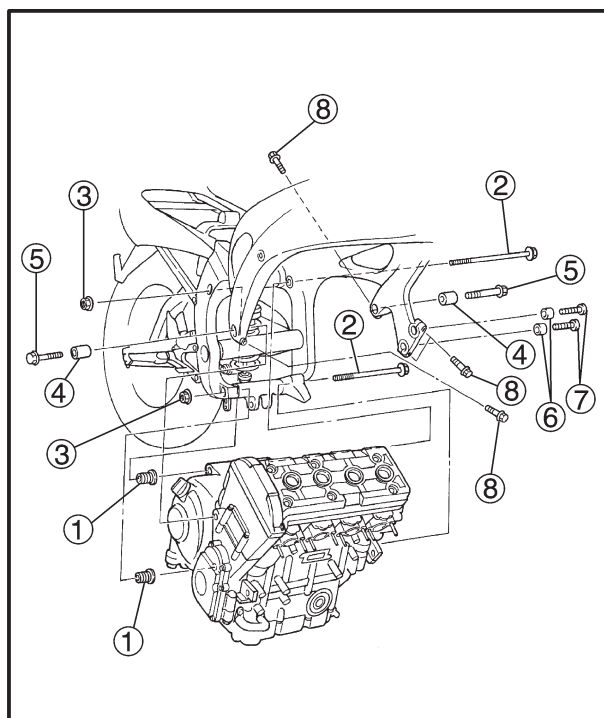


# ENGINE



Order	Job/Part	Q'ty	Remarks
	<b>Removing the engine</b>		Remove the parts in the order listed. <b>NOTE:</b> _____ Place a suitable stand under the frame and engine.
1	Pinch bolts	4	Refer to "INSTALLING THE ENGINE".
2	Button head bolts	2	
3	Collars	2	
4	Front mounting bolts	2	
5	Collars	2	
6	Rear mounting bolts	2	
7	Engine mounting adjust bolts	2	
			<b>NOTE:</b> _____ Use the pivot shaft wrench to loosen the engine mounting adjust bolt.
			For installation, reverse the removal procedure.





EAS00192

**INSTALLING THE ENGINE****1. Install:**

- engine mounting adjust bolts ①
- rear mounting bolts ②
- self-locking nuts ③
- collars ④
- front mounting bolts ⑤
- collars ⑥
- button head bolts ⑦
- pinch bolts ⑧

**NOTE:**

- Lubricate the rear mounting bolt threads with lithium soap base grease.
- Do not fully tighten the nuts and bolts.

**2. Tighten:**

- self-locking nut
- front mounting bolts
- button head bolt
- pinch bolt

M8  
M6

	<b>47 Nm (4.7 m•kg)</b>
	<b>55 Nm (5.5 m•kg)</b>
	<b>39 Nm (3.9 m•kg)</b>
	<b>24 Nm (2.4 m•kg)</b>
	<b>13 Nm (1.3 m•kg)</b>
	<b>7 Nm (0.7 m•kg)</b>

- engine mounting adjusting bolts

**NOTE:**

Use the pivot shaft wrench ① and pivot shaft wrench adapter ② to tighten the engine mounting adjust bolt.

**Pivot shaft wrench****90890-01471****Pivot shaft wrench adapter****90890-01476****3. Install:**

- drive sprocket

**70 Nm (7.0 m•kg)**
**4. Install:**

- drive sprocket cover

**10 Nm (1.0 m•kg)**
**NOTE:**

Refer to "CABLE ROUTING" in chapter 2.

**5. Install:**

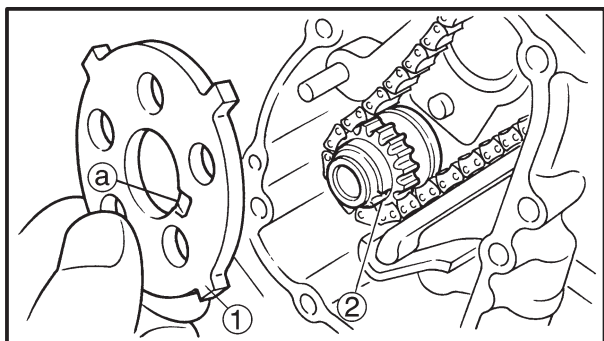
- shift arm ①

**10 Nm (1.0 m•kg)**
**NOTE:**

Align the punch mark (a) in the shift shaft with the slot in the shift arm.

## PICKUP COIL AND PICKUP ROTOR

ENG



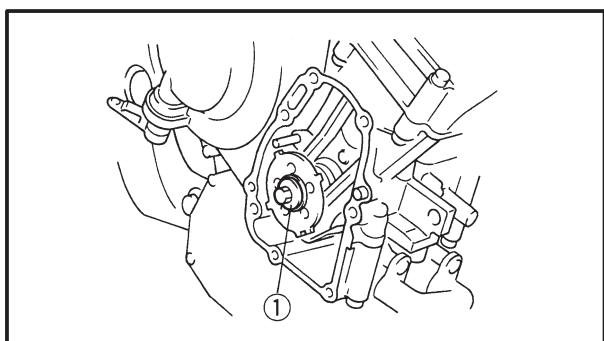
### INSTALLING THE PICKUP COIL ROTOR

#### 1. Install:

- pickup coil rotor ①
- plain washer
- pickup coil rotor bolt

#### NOTE:

When installing the pickup coil rotor, align the pin ② in the crankshaft sprocket with the groove ① in the pickup coil rotor.



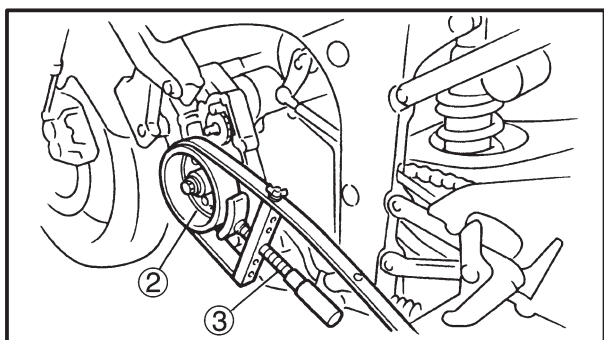
#### 2. Tighten:

- pickup coil rotor bolt ①

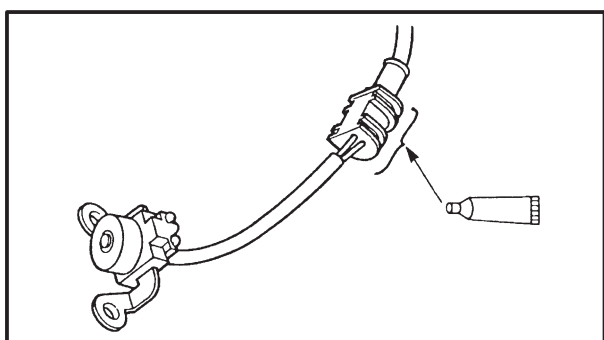
35 Nm (3.5 m•kg)

#### NOTE:

While holding the generator rotor ② with the sheave holder ③, tighten the pickup coil rotor bolt.



**Sheave holder**  
90890-01701

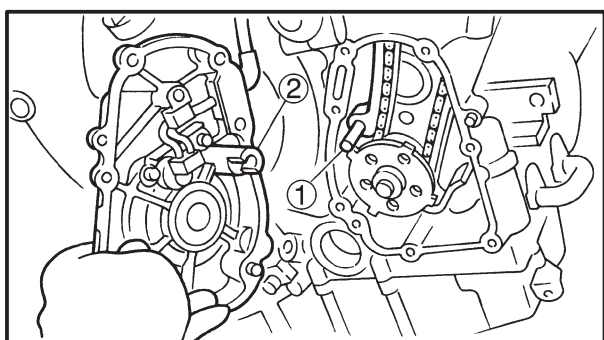


#### 3. Apply:

- sealant  
(onto the pickup coil lead grommet)



**Yamaha bond No.1215**  
90890-85505



#### 4. Install:

- pickup coil cover

#### NOTE:

- When installing the pickup coil cover, align the timing chain guide (intake side) pin ① of the with the hole ② in the pickup coil cover.
- Tighten the pickup coil cover bolts in stages and in a crisscross pattern.



## PICKUP COIL AND PICKUP ROTOR

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ENG



### 5. Install

- Clutch cable holder
- Clutch cable

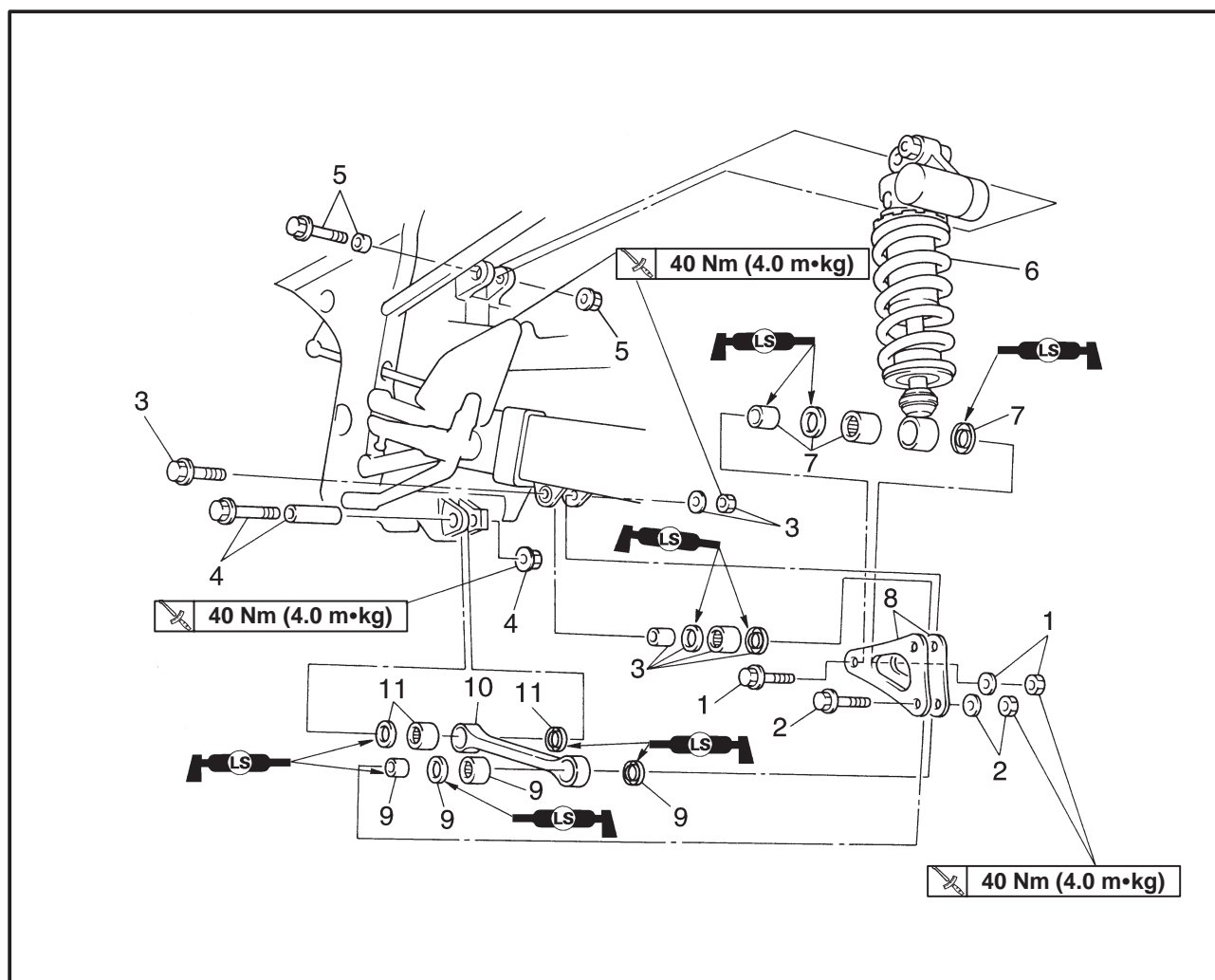
Refer to “ADJUSTING THE CLUTCH CABLE  
FREE PLAY” in chapter 3.

## REAR SHOCK ABSORBER ASSEMBLY



EAS00685

## REAR SHOCK ABSORBER ASSEMBLY



Order	Job/Part	Q'ty	Remarks
	<b>Removing the rear shock absorber assembly</b>		Remove the parts in the order listed.
	Rear wheel		Refer to "REMOVING THE REAR WHEEL".
1	Self-locking nut/bolt	1/1	Refer to "REMOVING THE REAR SHOCK ABSORBER ASSEMBLY".
2	Self-locking nut/bolt	1/1	
3	Self-locking nut/bolt/coller	1/1/1	
4	Self-locking nut/bolt	1/1	
5	Self-locking nut/bolt	1/1	
6	Rear shock absorber assembly	1	
7	Coller/oil seal/bearing	1/2/1	
8	Relay arm	2	
9	Coller/oil seal/bearing	1/2/1	
10	Connecting arm	1	
11	Coller/oil seal/bearing	1/2/1	For installation, reverse the removal procedure.

EAS00694

## REMOVING THE REAR SHOCK ABSORBER ASSEMBLY

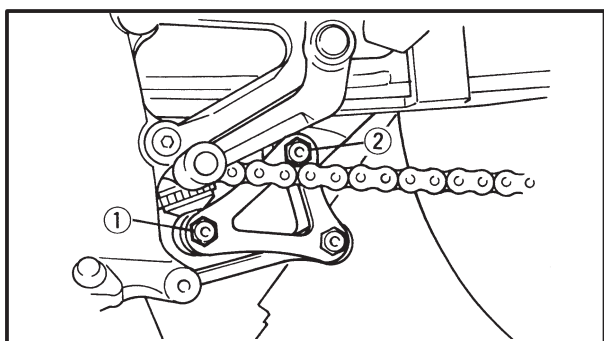
1. Stand the motorcycle on a level surface.

### WARNING

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

### NOTE:

Place the motorcycle on a suitable stand so that the rear wheel is elevated.

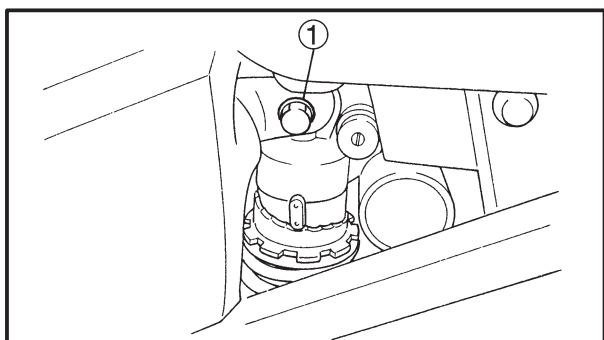


2. Remove:

- rear wheel
- rear shock absorber assembly lower bolt ①
- relay-arm-to-swingarm bolt ②

### NOTE:

While removing the rear shock absorber assembly lower bolt, hold the swingarm so that it does not drop down.



3. Remove:

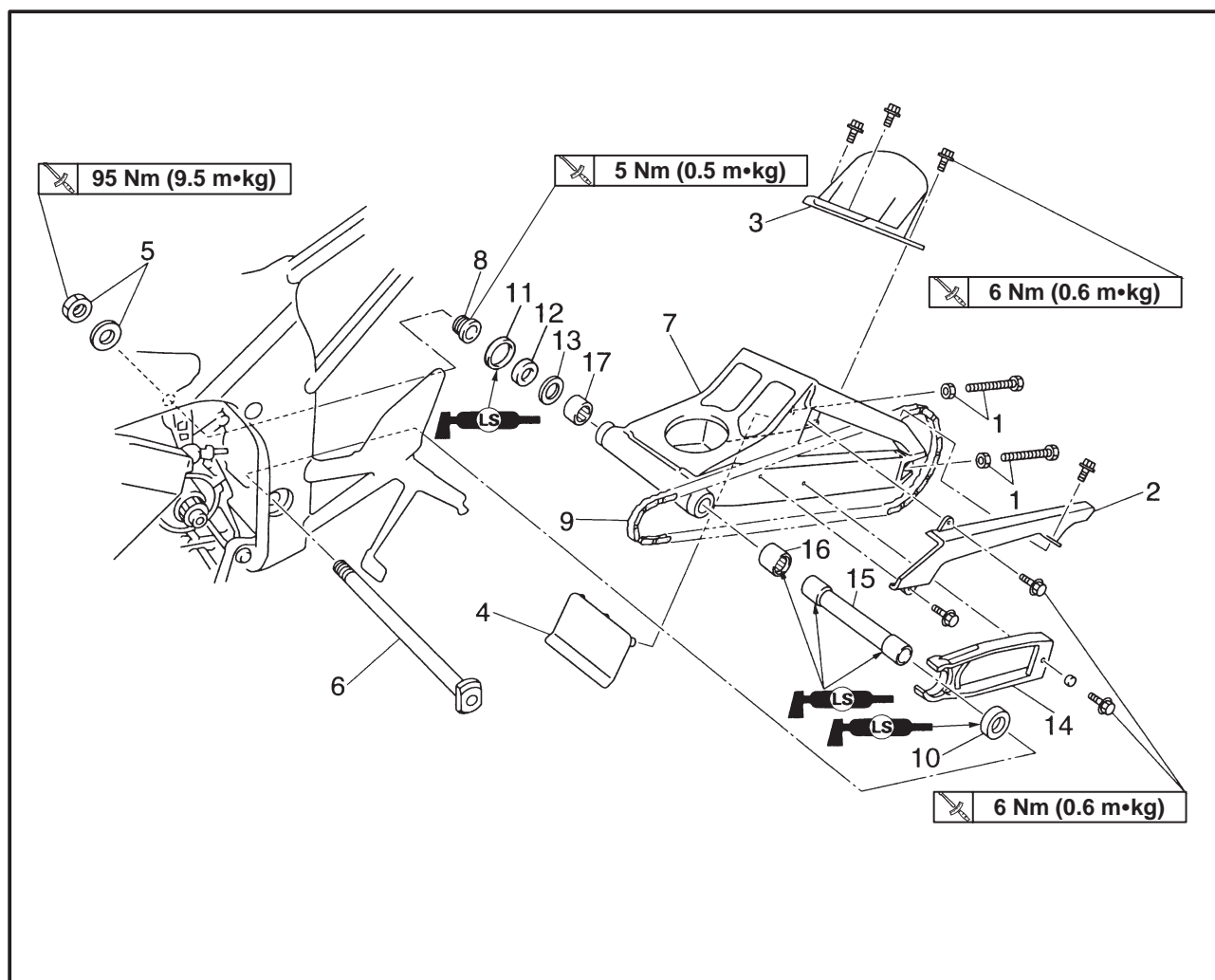
- rear shock absorber assembly upper bolt ①
- rear shock absorber assembly

### NOTE:

Raise the swingarm and then remove the rear shock absorber assembly from between the swingarm.

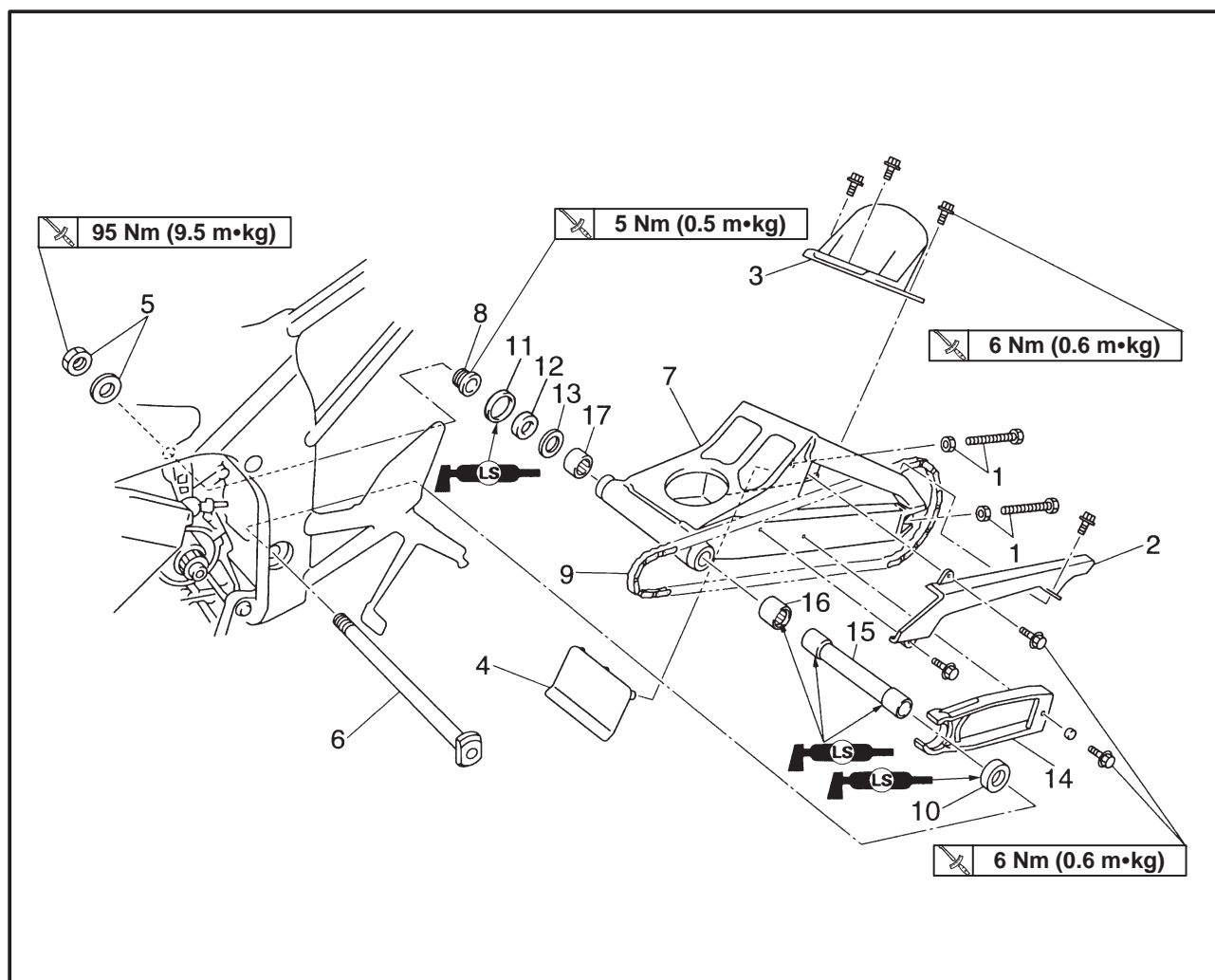
EAS00700

## SWINGARM AND DRIVE CHAIN



Order	Job/Part	Q'ty	Remarks
	<b>Removing the swingarm and drive chain</b>		Remove the parts in the order listed.
	Drive sprocket		Refer to "ENGINE" in chapter 4.
	Rear wheel		Refer to "REAR WHEEL, BRAKE DISC, AND REAR WHEEL SPROCKET".
	Rear shock absorber assembly		Refer to "REAR SHOCK ABSORBER ASSEMBLY".
1	Adjusting bolt/locknut	2/2	
2	Drive chain guard	1	
3	Rear fender	1	
4	Flap	1	
5	Pivot shaft nut/washer	1/1	
6	Pivot shaft	1	
7	Swingarm	1	

## SWINGARM AND DRIVE CHAIN



Order	Job/Part	Q'ty	Remarks
8	Pivot shaft adjust bolt	2	Refer to "REMOVING/INSTALLING THE SWINGARM".
9	Drive chain	1	
10	Dust cover	1	
11	Oil seal	1	
12	Bush	1	
13	Shim	1	
14	Drive chain guide	1	
15	Bush	1	
16	Left bearing	1	
17	Right bearing	1	
			For installation, reverse the removal procedure.



EAS00711

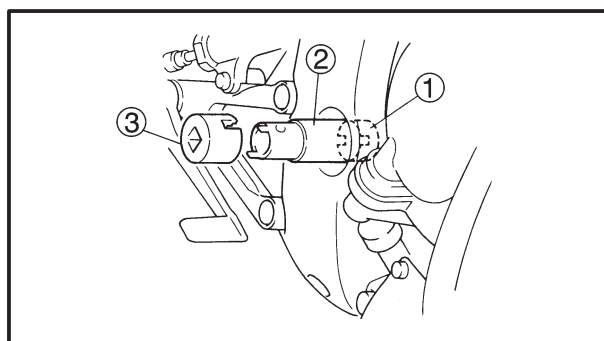
## INSTALLING THE SWINGARM

### 1. Lubricate:

- bearings
- spacers
- dust covers
- pivot shaft



**Recommended lubricant**  
**Lithium soap base grease**



### 2. Install:

- swingarm
- pivot shaft
- washer
- pivot shaft adjust bolt ①

	<b>5 Nm (0.5 m•kg)</b>
	<b>95 Nm (9.5 m•kg)</b>

- pivot shaft nut

### NOTE:

Use the pivot shaft wrench ② and pivot shaft wrench adapter ③ to tighten the pivot adjust bolt.



**Pivot shaft wrench:**  
**90890-01471**  
**Pivot shaft wrench adapter**  
**90890-01476**

### 3. Install:

- rear shock absorber assembly
  - rear wheel
- Refer to "REAR SHOCK ABSORBER ASSEMBLY" and "REAR WHEEL".

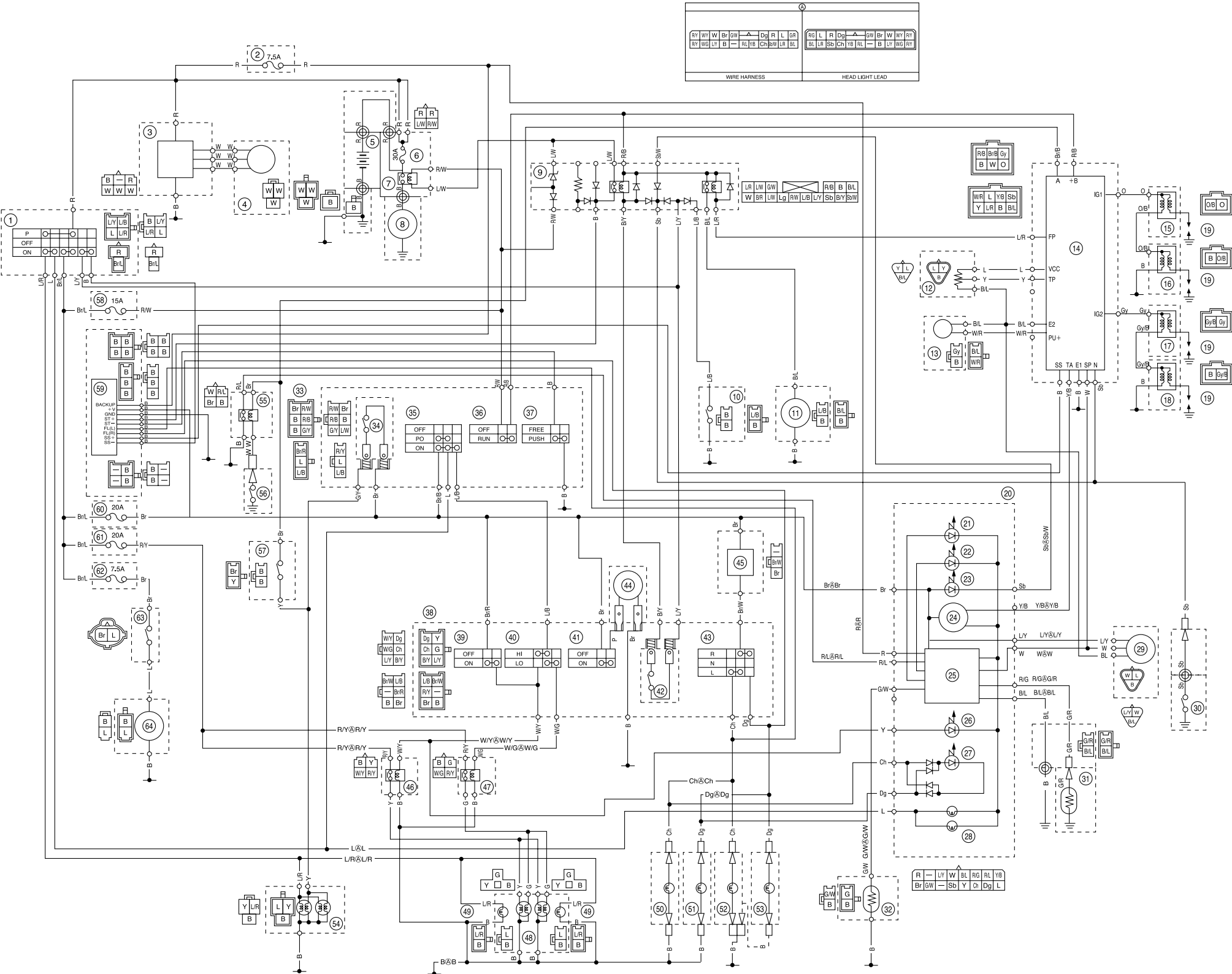
### 4. Adjust:

- drive chain slack
- Refer to "ADJUSTING THE DRIVE CHAIN SLACK" in chapter 3.



**Drive chain slack**  
**40 ~ 50 mm**

YZF-R6 (L) 2000 WIRING DIAGRAM (for EUR)



COLOR CODE

B ..... Black  
Br ..... Brown  
Ch ... Chocolate  
Dg ... Dark green  
G ..... Green  
Gy ... Gray  
L ..... Blue  
Lg .... Blue green

O .... Orange  
P ..... Pink  
R ..... Red  
Sb .... Sky blue  
W .... White  
Y ..... Yellow  
B/L ... Black/Blue  
B/R ... Black/Red

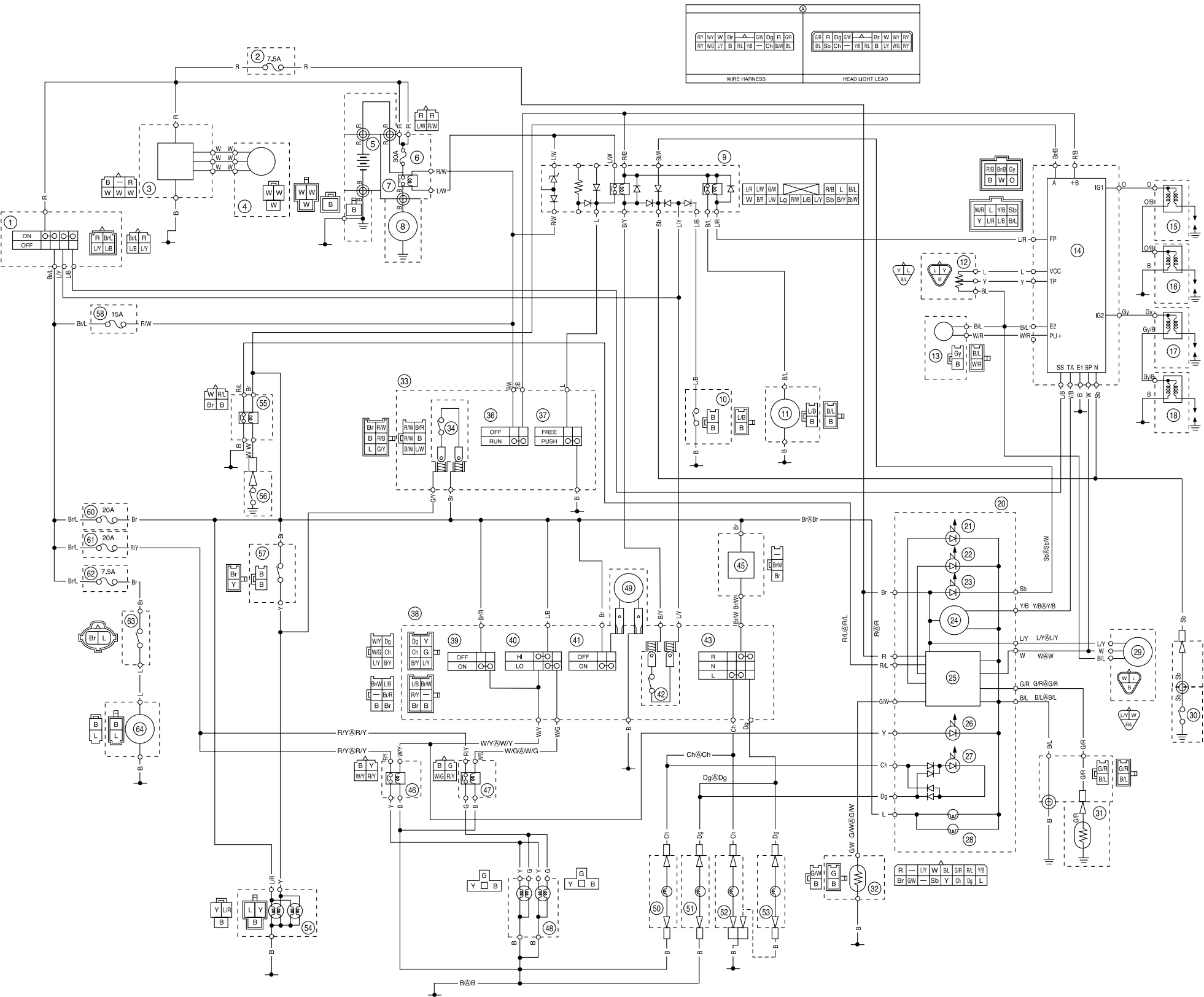
B/Y ... Black/Yellow  
Br/B .. Brown/Black  
Br/L .. Brown/Blue  
Br/R .. Brown/Red  
Br/W .. Brown/White  
G/R .. Green/Red  
G/W .. Green/White  
G/Y .. Green/Yellow

Gy/B . Gray/Black  
L/B ... Blue/Black  
L/R ... Blue/Red  
L/W .. Blue/White  
L/Y ... Blue/Yellow  
O/B .. Orange/Black  
R/B ... Red/Black  
R/G .. Red/Green

R/L ... Red/Blue  
R/W .. Red/White  
R/Y ... Red/Yellow  
Sb/W . Sky blue/White  
W/G .. White/Green  
W/R .. White/Red  
W/Y .. White/Yellow  
Y/B ... Yellow/Black

- 1 Main switch
- 2 Fuse (back up)
- 3 Rectifier/Regulator
- 4 AC magneto
- 5 Battery
- 6 Fuse (main)
- 7 Starter relay
- 8 Starter motor
- 9 Starting circuit cut-off relay
- 10 Sidestand switch
- 11 Fuel pump
- 12 Throttle position sensor
- 13 Pickup coil
- 14 CDI unit
- 15 Ignition coil #1
- 16 Ignition coil #2
- 17 Ignition coil #3
- 18 Ignition coil #4
- 19 Spark plug
- 20 Meter assembly
- 21 Fuel level indicator light
- 22 Oil level/coolant temperature warning light
- 23 Neutral indicator light
- 24 Tachometer
- 25 Combination meter
- 26 Hi beam indicator light
- 27 Turn signal indicator light
- 28 Illumination light
- 29 Speed sensor
- 30 Neutral switch
- 31 Thermo unit
- 32 Fuel sender
- 33 Right handlebar switch
- 34 Front brake light switch
- 35 Light switch
- 36 Engine stop switch
- 37 Start switch
- 38 Left handlebar switch
- 39 Pass switch
- 40 Dimmer switch
- 41 Horn switch
- 42 Clutch switch
- 43 Turn signal switch
- 44 Horn
- 45 Flasher relay
- 46 Headlight relay (Hi)
- 47 Headlight relay (Lo)
- 48 Headlight
- 49 Auxiliary light
- 50 Front turn signal light (left)
- 51 Front turn signal light (right)
- 52 Rear turn signal light (left)
- 53 Rear turn signal light (right)
- 54 Tail/brake light
- 55 Oil level relay
- 56 Oil level switch
- 57 Rear brake light switch
- 58 Fuse (ignition)
- 59 Alarm
- 60 Fuse (signaling system)
- 61 Fuse (headlight)
- 62 Fuse (radiator fan motor)
- 63 Thermo switch
- 64 Radiator fan motor

YZF-R6 (L) 2000 WIRING DIAGRAM (for AUS)



- 1 Main switch
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- 44 Horn
- 45 Flasher relay
- 46 Headlight relay (Hi)
- 47 Headlight relay (Lo)
- 48 Headlight
- 50 Front turn signal light (left)
- 51 Front turn signal light (right)
- 52 Rear turn signal light (left)
- 53 Rear turn signal light (right)
- 54 Tail/brake light
- 55 Oil level relay
- 56 Oil level switch
- 57 Rear brake light switch
- 58 Fuse (ignition)
- 60 Fuse (signaling system)
- 61 Fuse (headlight)
- 62 Fuse (radiator fan motor)
- 63 Thermo switch
- 64 Radiator fan motor

COLOR CODE

B . . . . . Black	O . . . . . Orange	B/Y . . . Black/Yellow	Gy/B . . Gray/Black	R/L . . . Red/Blue
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L . . . . . Blue	B/L . . . Black/Blue	G/W . . . Green/White	R/B . . . Red/Black	W/Y . . . White/Yellow
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