



# **DT125G/DT175G**

## **SUPPLEMENTARY ASSEMBLY MANUAL**



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Particularly important information is distinguished in this manual by the following notations:

**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.

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DT125G/DT175G  
SUPPLEMENTARY  
ASSEMBLY MANUAL  
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OVERSEAS SERVICE DEPARTMENT  
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## FOREWORD

This Supplementary Assembly Manual for DT125G/DT175G has been published to supplement the Assembly Manual for DT125F/DT175F. For complete information on assembly procedure, it is necessary to use this Supplementary Assembly Manual together with the Assembly Manual for DT125F/DT175F, and Dealer Set-up and Pre-delivery Check List for this model.

Proper set-up assembly and pre-delivery service is necessary for the following reason:

To assure the long life and performance the customer expects from his new Yamaha motorcycle.

To minimize service problems during the break-in period.

To conform with federal new vehicle regulations.

## NOTICE

The service specifications given in this manual are based on the model as manufactured. Modifications and significant changes in specifications and/or procedures will be forwarded to all Authorized Yamaha dealers.

The procedures below are described in the order that the mechanic should follow. Special care should be taken to ensure that the procedures are carried out correctly and completely. Failure to do so can result in poor performance, excessive emissions, and possible harm to the machine and/or rider.

THE DEALER SET-UP AND PRE-DELIVERY CHECK LIST has been designed to be used with this Assembly Manual. As each procedure is satisfactorily completed, the mechanic should mark the appropriate space on the sheet. After it has been signed by the assembling mechanic, the servicing mechanic, and the customer, a copy of the Check List should be given to the customer and another copy retained in the dealership files. If the Service Manager test rides the motorcycle before delivery, he should also sign the Check List.

### **IMPORTANT:**

**This Assembly Manual contains important information regarding procedures designed to ensure proper emissions control function and service. Please read this material carefully and carry out the prescribed procedures properly.**

### **CONCERNING CRATE DAMAGE:**

**Follow the instructions in the Dealer Warranty Handbook, Procedure Section.**



## Details of changes

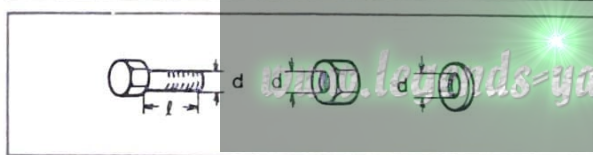
- The main switch has been integrated with the steering lock, and as a result, the installation procedure for the meter assembly has been changed.
- Due to change in the sequence of disassembly, the following A and B parts, which used to be held to the frame, are now contained in a vinyl bag:
  - Upper holders and bolts for handlebar installation
  - Washers, grommets, collars and Bolts for front fender installation

\* The installation method is the same as before.
- Due to change in specifications, the location where the battery and tool kit are held has been changed.

## Alter of Parts Check List

### NOTE:

The sizes of bolts, nuts, washers and collars are shown below. The sizes of special parts are indicated in the respective tables.

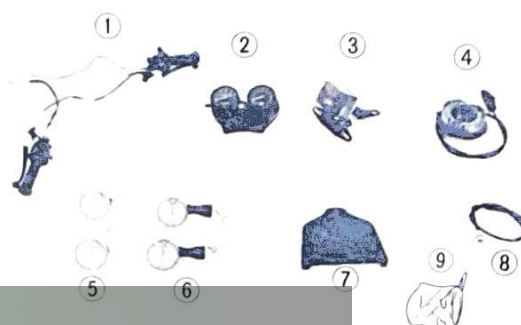


## Parts list: Vinyl bag "A"

No.	Part name	Q'ty	Remarks
1	Bolt with washer (d = 6mm, l = 25mm)	1	Wire holder
2	Cotter pin	1	Front wheel
3	Torsion spring	2	Footrest
4	Washer (d = 6mm)	2	
5	Cotter pin	2	
6	Battery positive lead wire	1	Battery
7	Battery negative lead wire	1	
8	Nut (d = 8mm)	2	Front flasher
9	Nut (d = 10mm)	2	Rear flasher
10	Spring washer(d = 10mm)	2	
11	Bolt with washer (d = 6mm, l = 16mm)	2	License plate
12	Nut (d = 6mm)	2	
13	Spring washer(d = 6mm)	2	
14	Plate washer(d = 6mm)	2	

## Details of parts on styrofoam "A"

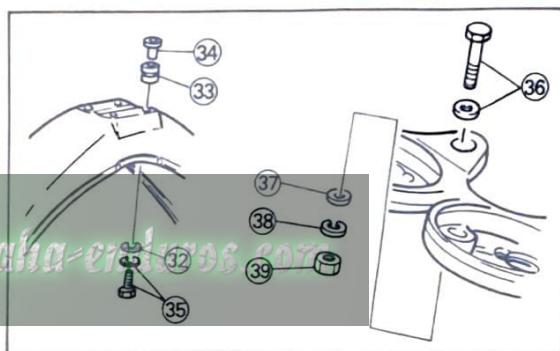
No.	Part name	Q'ty
1	Handlebar assembly	1
2	Meter panel assembly	1
3	Taillight assembly	1
4	Front brake shoe plate	1
5	Front flasher light	2
6	Rear flasher light	2
7	License plate	1
8	Speedometer cable	1
9	Vinyl bag "A"	1



No.	Part name	Q'ty	Remarks
15	Reflector	1	Reflector
16	Spring washer (d = 5mm)	1	
17	Plate washer (d = 5mm)	1	
18	Nut (d = 5mm)	1	
19	Bolt with washer (d = 6mm, l = 25mm)	1	Taillight assembly (Front part)
20	Collar	1	
21	Damper	1	
22	Damper	1	
23	Plate washer (d = 6mm)	1	
24	Nut (d = 6mm)	1	Taillight assembly (Rear part)
25	Bolt (d = 6mm, l = 35mm)	2	
26	Plate washer(d = 6mm)	2	
27	Collar	2	
28	Damper	1	
29	Damper	2	
30	Plate washer(d = 6mm)	2	
31	Nut (d = 6mm)	2	

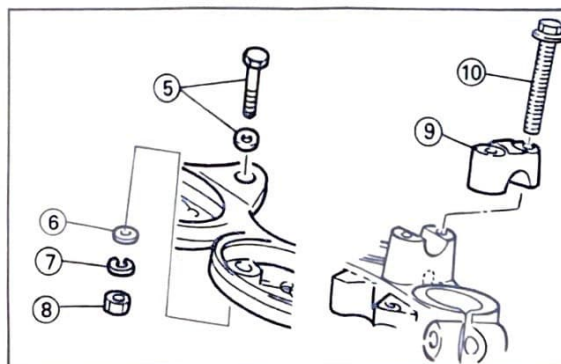
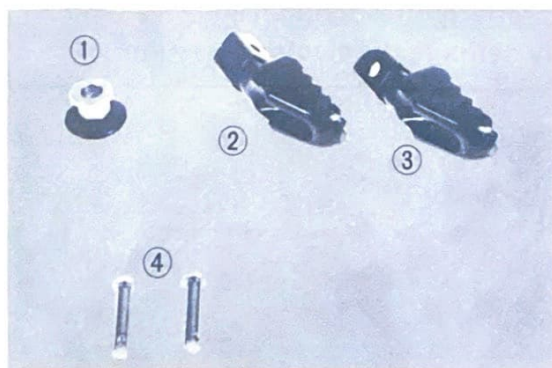


No.	Part name	Q'ty	Remarks
32	Plate washer(d=6mm)	4	Front fender
33	Grommet	4	
34	Collar	4	
35	Bolt with washer (d=6mm, l=25mm)	4	
36	Bolt with washer (d=6mm, l=45mm)	1	Speedo-meter assembly
37	Plate washer(d=6mm)	1	
38	Spring washer(d=6mm)	1	
39	Nut (d=6mm)	1	



#### Parts list: Vinyl bag "B"

No.	Part name	Q'ty	Remarks
1	Collar	1	Front wheel
2	Footrest (1)	1	Footrest
3	Footrest (2)	1	
4	Clevis pin	2	Meter assembly
5	Bolt with washer (d=6mm, l=45mm)	1	
6	Plate washer(d=6mm)	1	
7	Spring washer(d=6mm)	1	
8	Nut (d=6mm)	1	Handlebar
9	Handle upper holder	2	
10	Flange bolt	4	

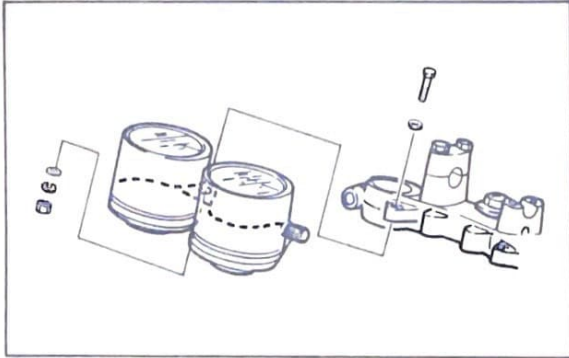




## CHANGES OF SET-UP PROCEDURES

### Speedometer installation

Install the speedometer assembly under the handle crown using hexagonhead bolts with washer, plate washers, spring washers, and nuts.



Tightening torque:

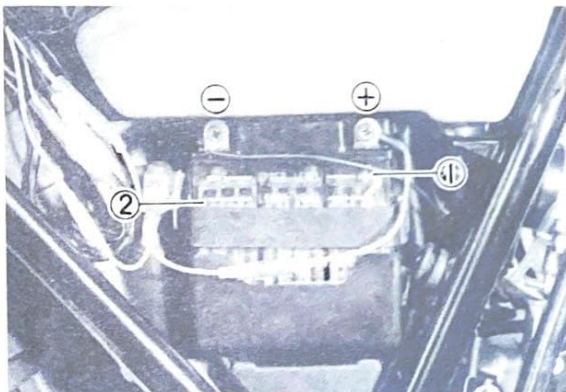
2.0 m·kg (14 ft·lb)

### Battery installation

1. Make sure the main switch is turned off, and install the battery in the battery box. Connect the positive lead wire first, and then connect the negative lead wire.

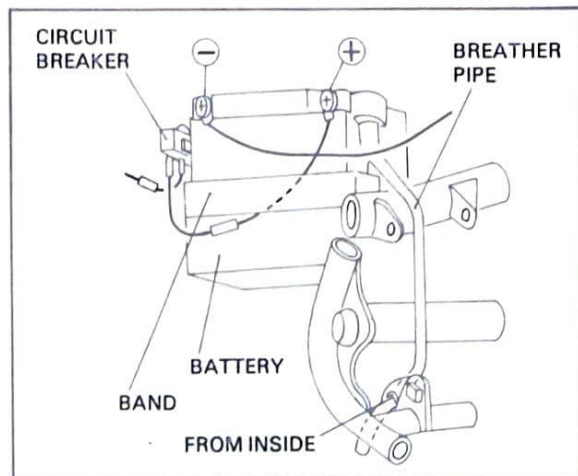
#### CAUTION:

Make sure battery leads are connected properly. Reversing leads can seriously damage the electrical system.



1. Positive lead wire 2. Negative lead wire

2. The breather pipe should be connected as illustrated.



### Tool installation

Install the service tool kit as photo.



1. Tool kit

## CHANGE OF ADJUSTMENT

Part of the description of "Pre-delivery Service" has been changed as follows:

### Checking the drive chain tension

To check the chain play, the motorcycle must stand vertically with both wheels on the ground and without a passenger on it. Measure the play at the bottom of the chain at a point midway between the drive and driven sprockets.



The normal vertical deflection is approximately 40 ~ 50 mm (0.8 ~ 1.2 in). If the chain deflection is not as specified, adjust the chain tension.

### NOTE:

Tension inspection and adjustment should be made with the tensioner in the relaxed position (not touching the chain).

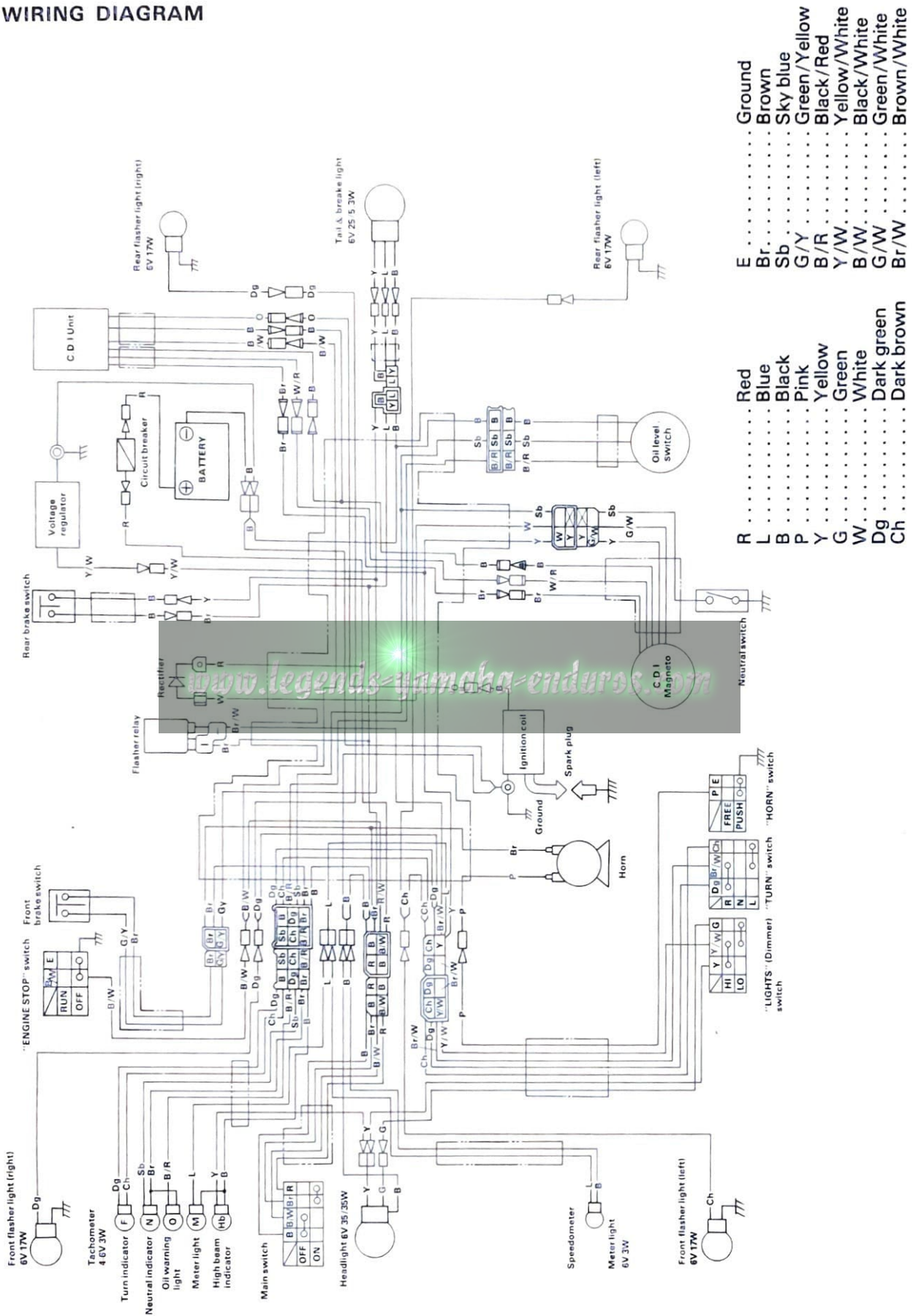
### Electrical

On the DT125G (3JO), the Capacitor Discharge Ignition (CDI) system has been employed in place of the conventional contact breaker ignition system. Both DT125G and DT175G use the CDI system, and as a result, no ignition timing adjustment is necessary.

### Tightening torque

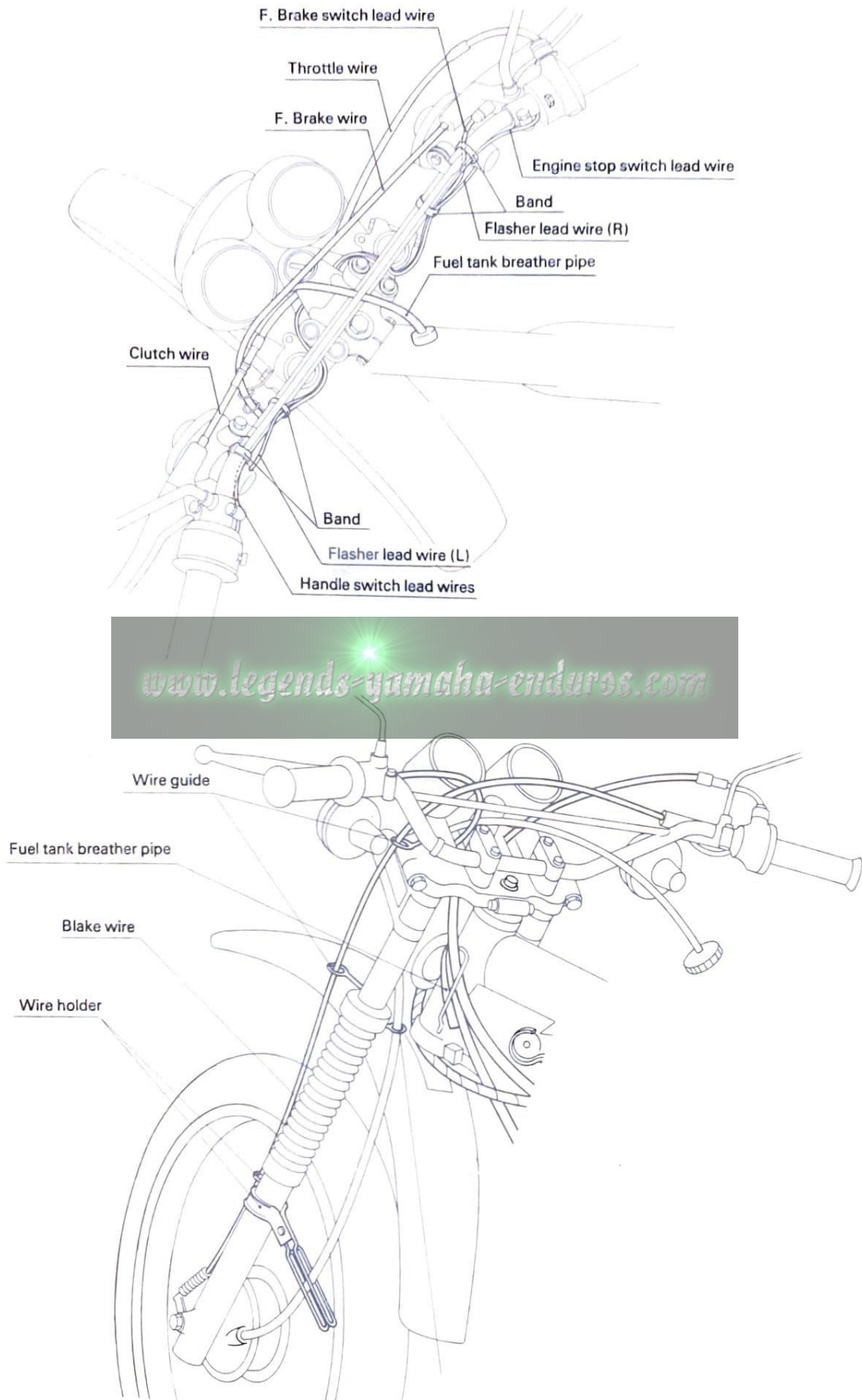
MODEL		DT125G/DT175G
Engine:		
Cylinder		3.5m·kg (25ft·lb)
Primary drive gear		5.5m·kg (40ft·lb)
Clutch boss		5.5m·kg (40ft·lb)
Kick crank		2.5m·kg (18ft·lb)
Reed valve		0.1m·kg (0.7ft·lb)
Rotor nut		7.0m·kg (50ft·lb)
Chassis:		
Handle crown pinch bolt		2.5m·kg (18ft·lb)
fitting bolt		5.5m·kg (40ft·lb)
upper bracket holder		1.5m·kg (11ft·lb)
Front axle nut		4.0m·kg (29ft·lb)
Rear axle nut		8.5m·kg (61ft·lb)

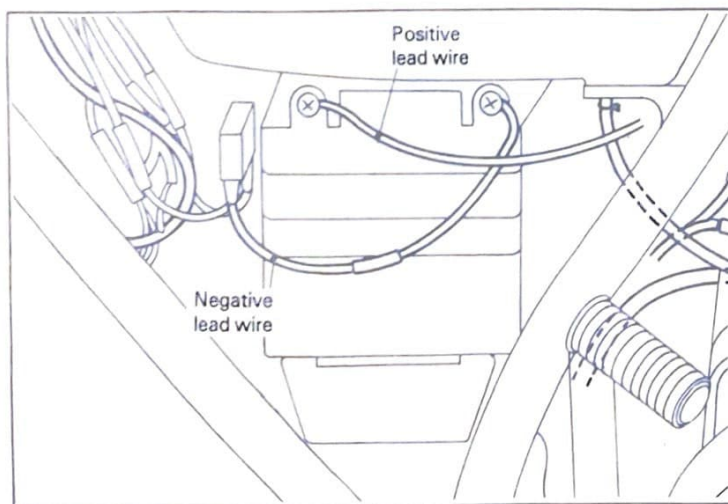
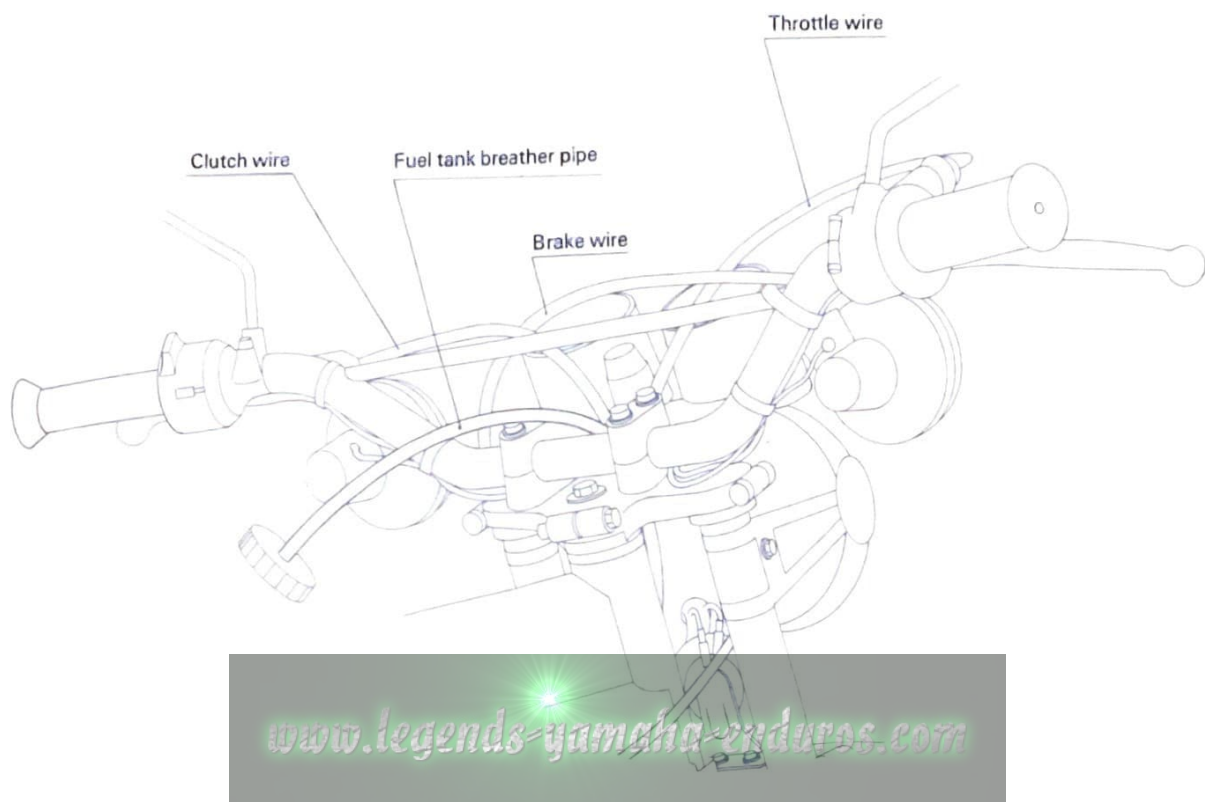
# WIRING DIAGRAM

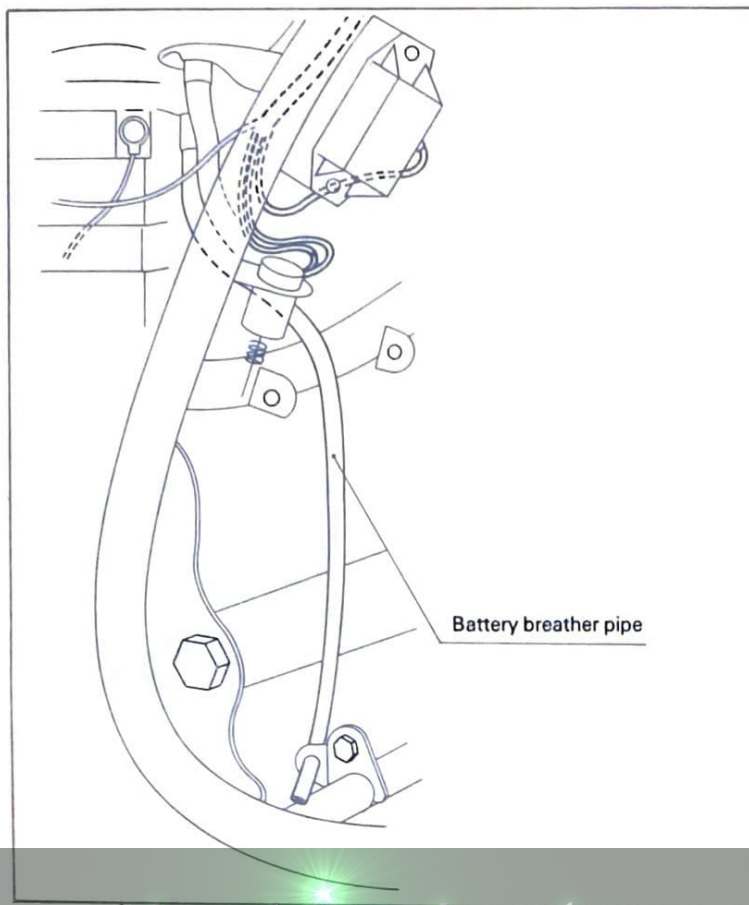




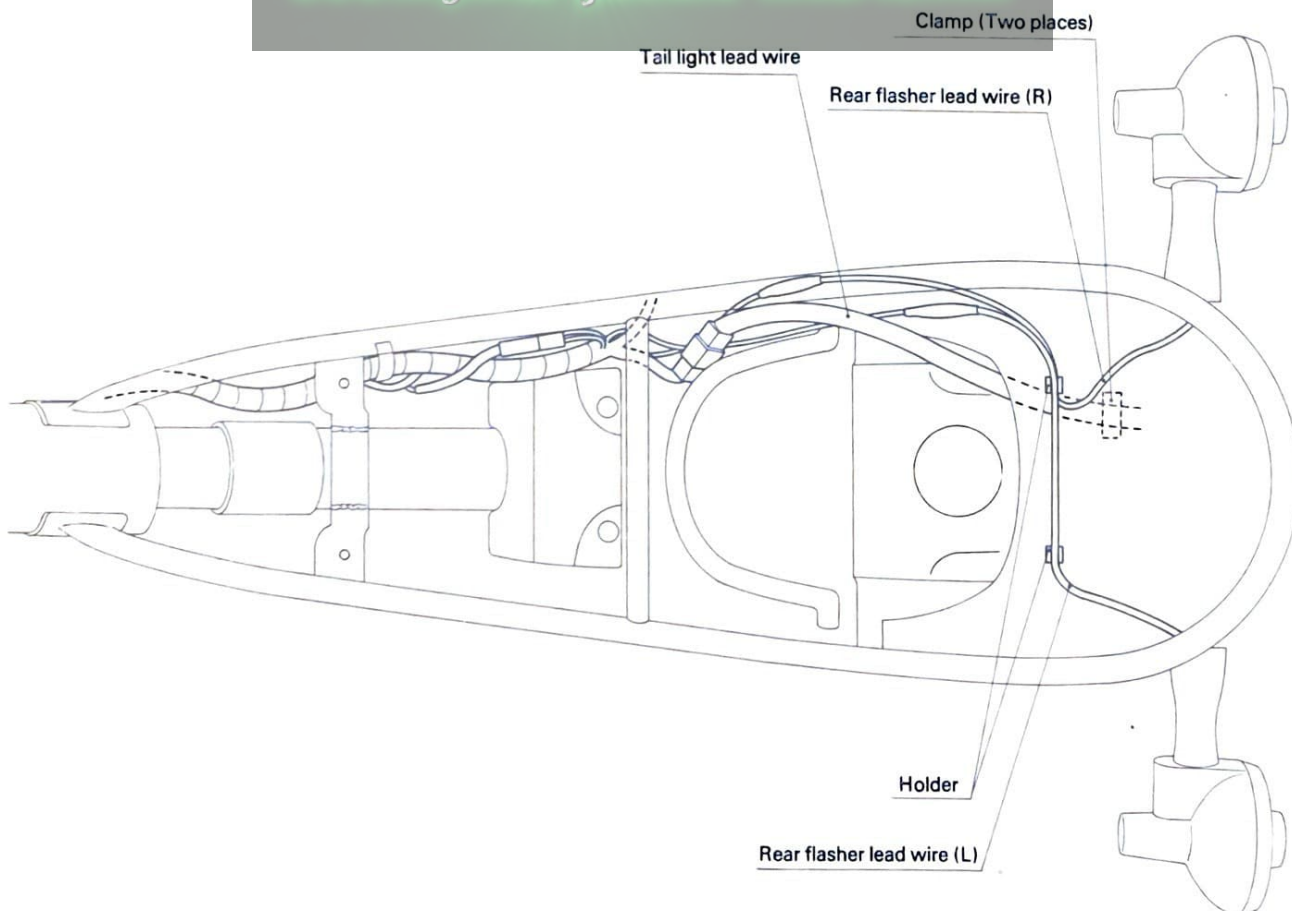
## CABLE ROUTING DIAGRAM







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