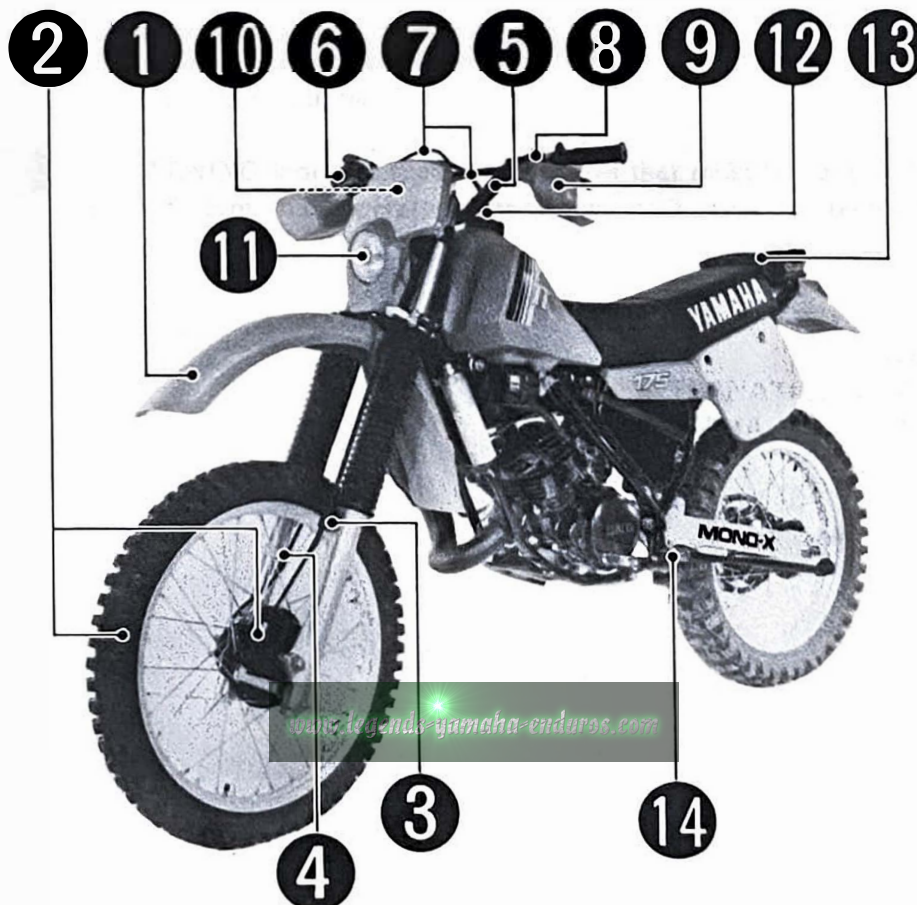




# YAMAHA

# IT175J

## SUPPLEMENTARY ASSEMBLY MANUAL



# FOREWORD

This Supplementary assembly manual has been prepared to introduce the setup procedures and pre-delivery service for the IT175J.

For complete information, it is necessary to use the YZ/IT series Basic assembly manual (LIT-11666-03-31) together with this Supplementary assembly manual.

## NOTICE

The service specifications given in this Supplementary assembly manual are based on the model as manufactured. Modifications and significant changes in specifications and/or procedures will be forwarded to Authorized Yamaha Dealers. The procedures below are described in the order that the procedures are carried out correctly and completely. Failure to do so can result in poor performance and possible harm to the machine and/or rider.

**CONCERNING CRATE DAMAGE:** \_\_\_\_\_  
Follow the instructions in the Dealer warranty handbook, Procedure section.

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

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

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

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

SERVICE DEPT.  
INTERNATIONAL DIVISION  
YAMAHA MOTOR CO., LTD.

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**IT175J SUPPLEMENTARY ASSEMBLY MANUAL  
1981 by Yamaha Motor Corporation, U.S.A.  
1st edition, NOVEMBER 1981**

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**LIT-11666-03-13**

## **GLOSSARY**

**(Symbols most commonly used)**

- C:** The "C" marked parts are contained in the small carton box.
- S:** The "S" marked parts are contained in the styrofoam tray (Upper or Lower)
- V:** The "V" marked parts are contained in the vinyl bag.
- ∗:** The asterisked (∗) parts are temporarily fitted on the machine.

# SETUP PROCEDURES

**NOTE:**  
Please read the following chapters in the Basic assembly manual before proceeding to the setup.

CHAPTER 1: INTRODUCTION

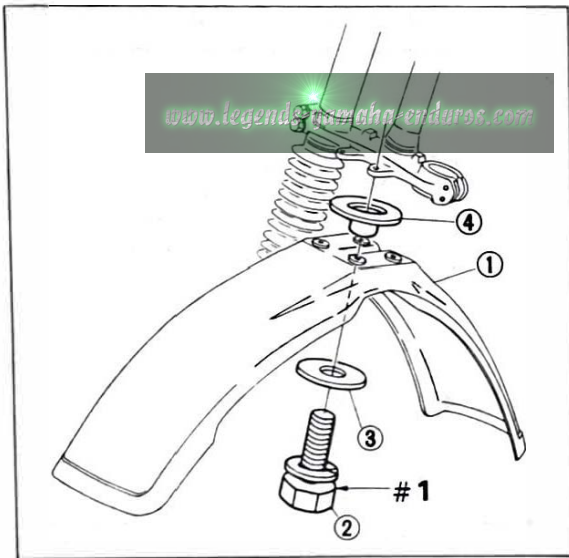
CHAPTER 2: SETUP AND PREDELIVERY CHECK

CHAPTER 3: TOOLS AND TORQUE SPECIFICATIONS

CHAPTER 4: CRATES

CHAPTER 5: INSTALLATION PROCEDURES

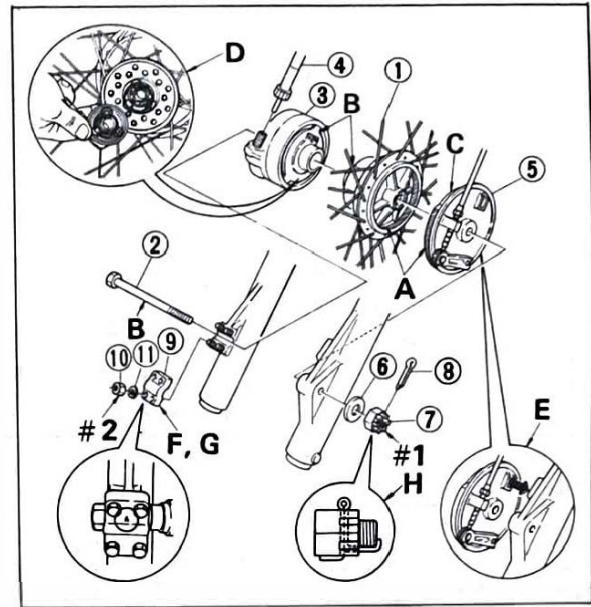
## 1 Front fender [F.F-A]



### Parts list

No.	Part name	Q'ty	Locating mark	Remarks
1	Front fender	1	S	
2	Hexagon bolt with spring washer	4	V	d = 6 mm (0.24 in), ℓ = 20 mm (0.79 in)
3	Plain washer	4	V	d = 6 mm (0.24 in)
4	Special washer	4	V	d = 6 mm (0.24 in)

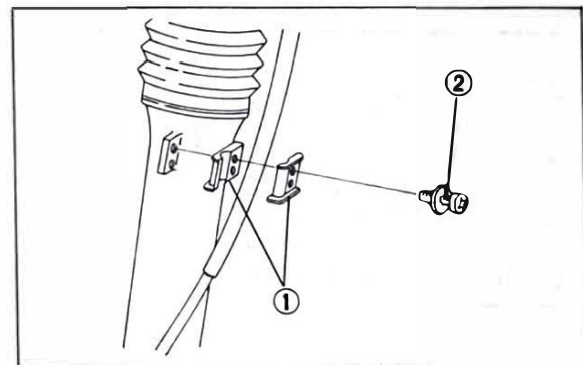
## 2 Front wheel [F.W-D]



### Parts list

No.	Part name	Q'ty	Locating mark	Remarks
1	Front wheel	1	S	
2	Front wheel axle	1	•	d = 15 mm (0.59 in)
3	Speedometer housing	1	S	
4	Speedometer cable	1	S	
5	Brake shoe plate assembly	1	S	
6	Plain washer	1	•	
7	Castle nut	1	•	
8	Cotter pin	1	V	d = 3 mm (0.12 in), ℓ = 30 mm (1.18 in)
9	Front wheel axle holder	1	•	
10	Hexagon nut	4	•	d = 6 mm (0.24 in)
11	Spring washer	4	•	d = 6 mm (0.24 in)

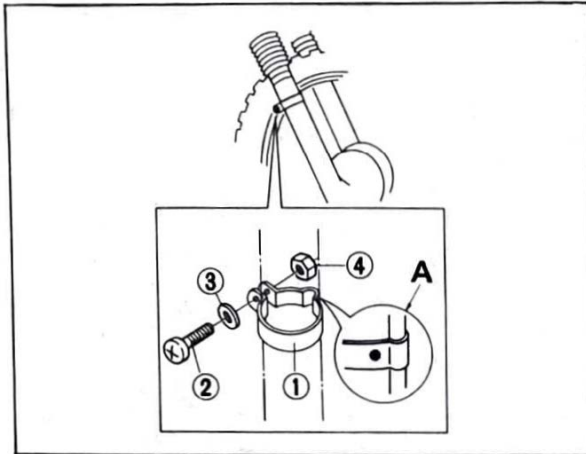
## 3 Cable holder (Left) [C.H.-E]



### Parts list

No.	Part name	Q'ty	Locating mark	Remarks
1	Cable holder (Left and Right)	2	•	
2	Panhead screw	2	•	d = 6 mm (0.24 in), ℓ = 15 mm (0.59 in)
3	Spring washer	2	•	d = 6 mm (0.24 in)

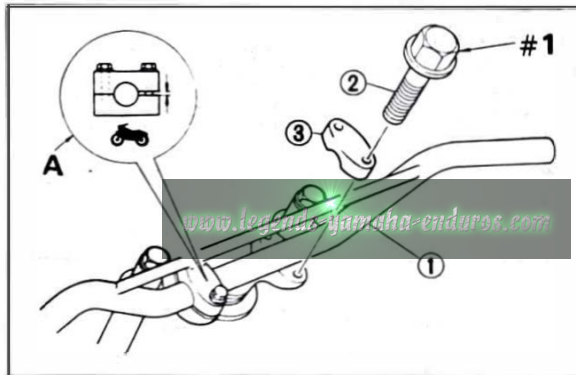
#### 4 Cable holder (Right) [C.H-B]



##### Parts list

No.	Part name	Q'ty	Locating mark	Remarks
1	Cable holder	1	C	
2	Panhead screw	1	V	d = 5 mm (0.2 in) ℓ = 18 mm (0.71 in)
3	Plain washer	1	V	d = 5 mm (0.2 in)
4	Hexagon nut	1	V	d = 5 mm (0.2 in)

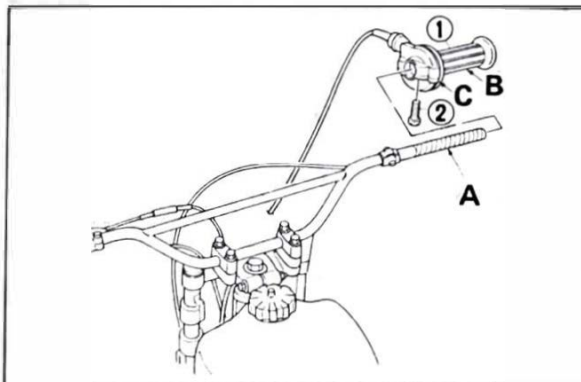
#### 5 Handlebar [H.B-A]



##### Parts list

No.	Part name	Q'ty	Locating mark	Remarks
1	Handlebar	1	S	
2	Fange bolt	4	V	d = 8 mm (0.32 in), ℓ = 38 mm (1.38 in)
3	Handlebar upper holder	2	V	

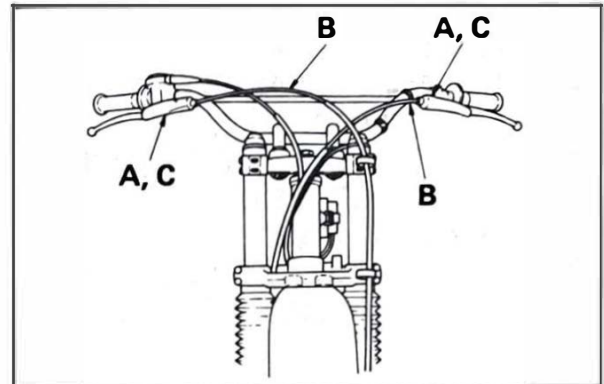
#### 6 Throttle grip [T.G-B]



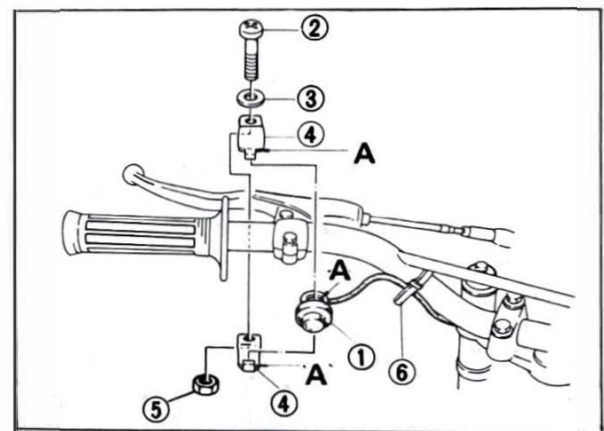
##### Parts list

No.	Part name	Q'ty	Locating mark	Remarks
1	Throttle grip	1	•	
2	Panhead screw	2	•	d = 6 mm (0.2 in), ℓ = 16 mm (0.63 in)

#### 7 Brake and clutch cable [B.C-A]



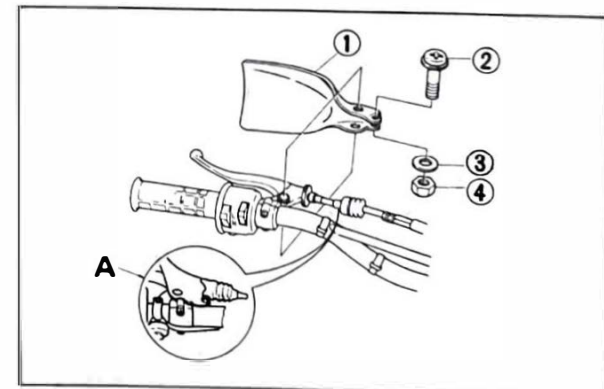
#### 8 Engine stop switch [E.S-B]



##### Parts list

No.	Part name	Q'ty	Locating mark	Remarks
1	Engine stop switch	1	•	
2	Panhead screw	1	V	d = 3 mm (0.12 in)
3	Plain washer	1	V	d = 3 mm (0.12 in)
4	Engine stop switch holder (Upper and Lower)	2	V	
5	Hexagon nut	1	V	d = 3 mm (0.12 in)
6	Handlebar band	2	V	Plastic

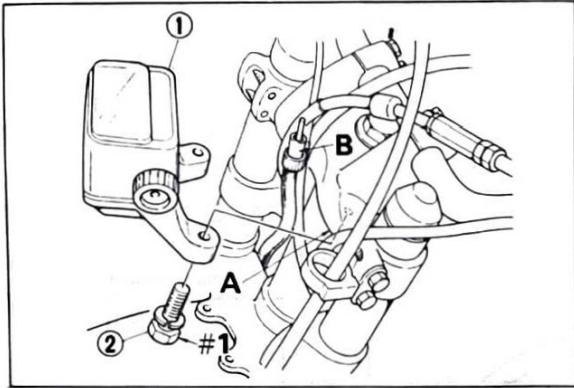
#### 9 Bush guard [B.G-A]



**Parts list**

No.	Part name	Q'ty	Locating mark	Remarks
1	Bush guard (Left and Right)	2	C	
2	Pinhead screw with spring washer	2	V	d = 6 mm (0.24 in) ℓ = 16 mm (0.63 in)
3	Plain washer	2	V	d = 6 mm (0.24 in)
4	Hexagon nut	2	V	d = 6 mm (0.24 in)

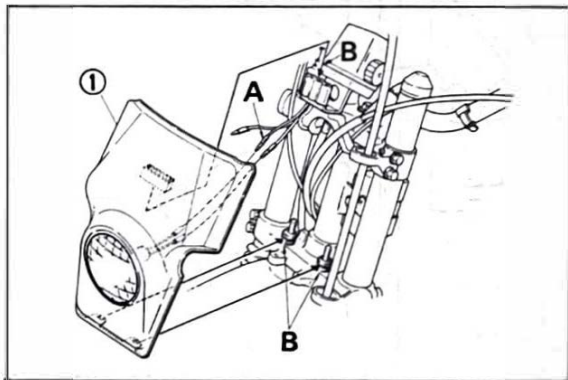
**10 Meter assembly [M.A-A]**



**Parts list**

No.	Part name	Q'ty	Locating mark	Remarks
1	Meter assembly	1	S	
2	Hexagon bolt with spring washer and plain washer	2	V	d = 6 mm (0.24 in) ℓ = 12 mm (0.47 in)

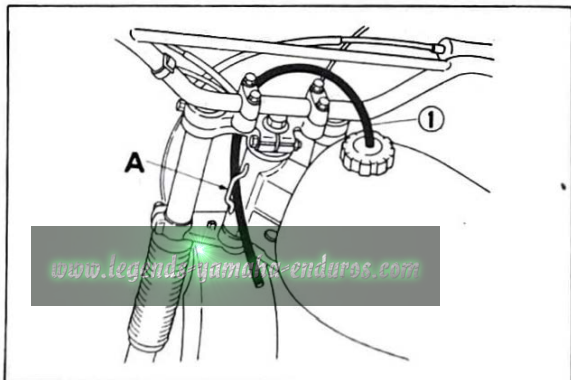
**11 Headlight [H.L-B]**



**Parts list**

No.	Part name	Q'ty	Locating mark	Remarks
1	Headlight assembly	1	S	

**12 Fuel tank breather pipe [F.B-D]**



**Parts list**

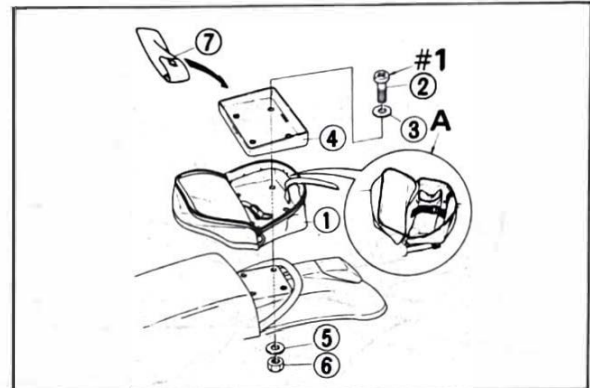
No.	Part name	Q'ty	Locating mark	Remarks
1	Fuel tank breather pipe	1	S	Rubber

**NOTE:**

On the IT175J, pass the fuel tank breather pipe through the cable holder which is provided on the right side.

REFER TO "CABLE ROUTING".

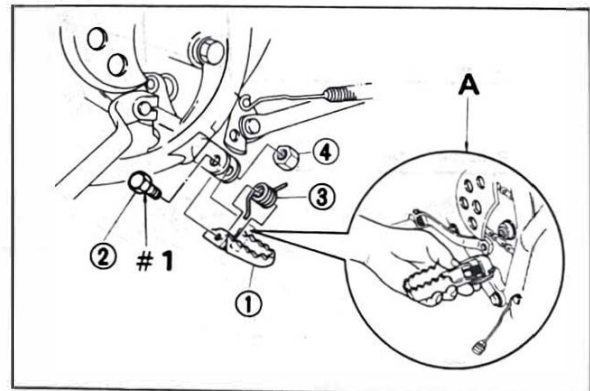
**13 Tool kit [T.K-D]**



**Parts list**

No.	Part name	Q'ty	Locating mark	Remarks
1	Carrier box	1	S	
2	Hexagon with spring washer	4	V	d = 6 mm (0.24 in) ℓ = 16 mm (0.6 in)
3	Plain washer	4	V	d = 6 mm (0.24 in)
4	Carrier box bracket	1	S	
5	Plain washer	4	V	d = 6 mm (0.24 in)
6	Hexagon nut	4	V	d = 6 mm (0.24 in)
7	Tool kit	1	C	

**14 Footrest (Left) [F.R-C]**



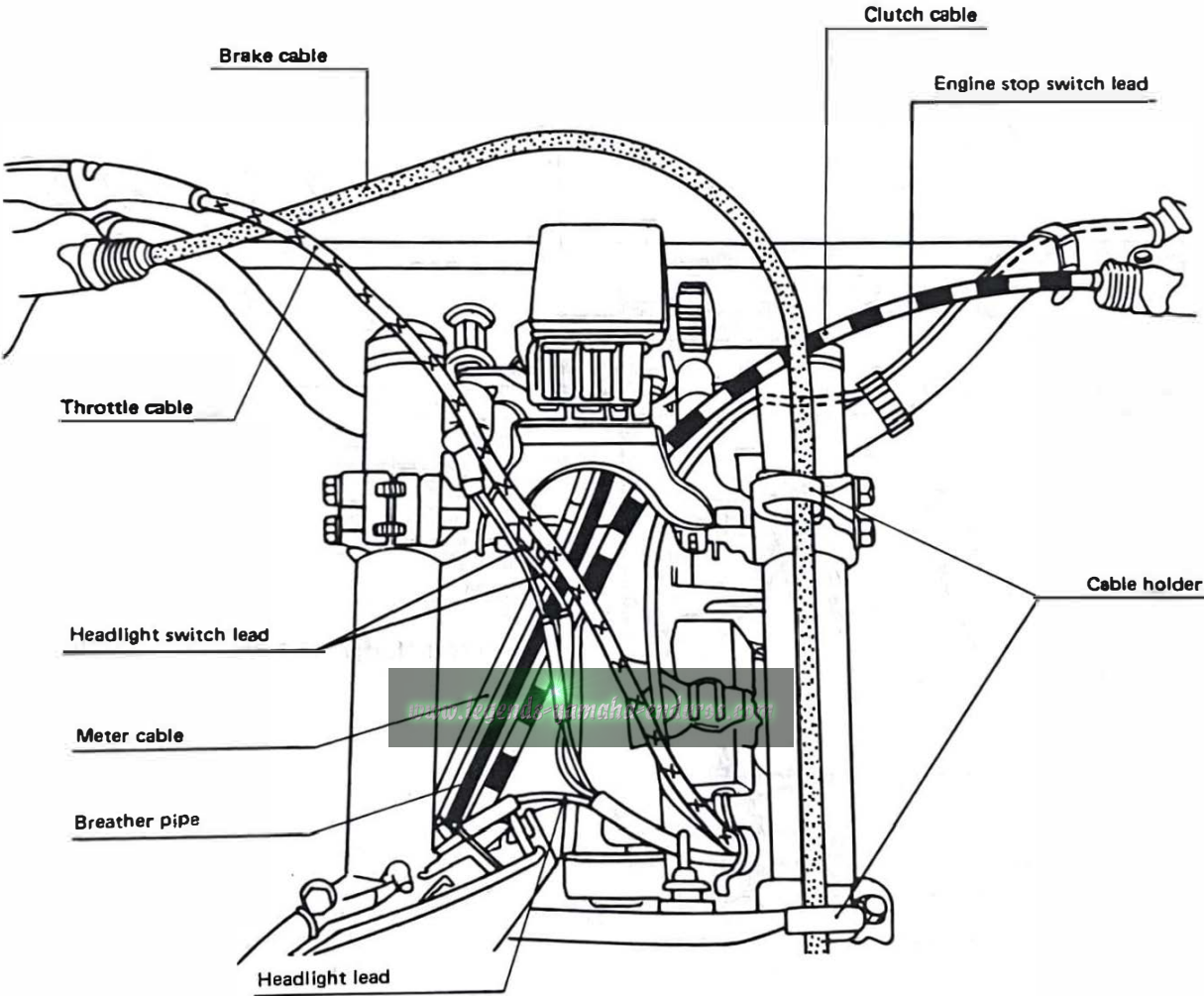
**Parts list**

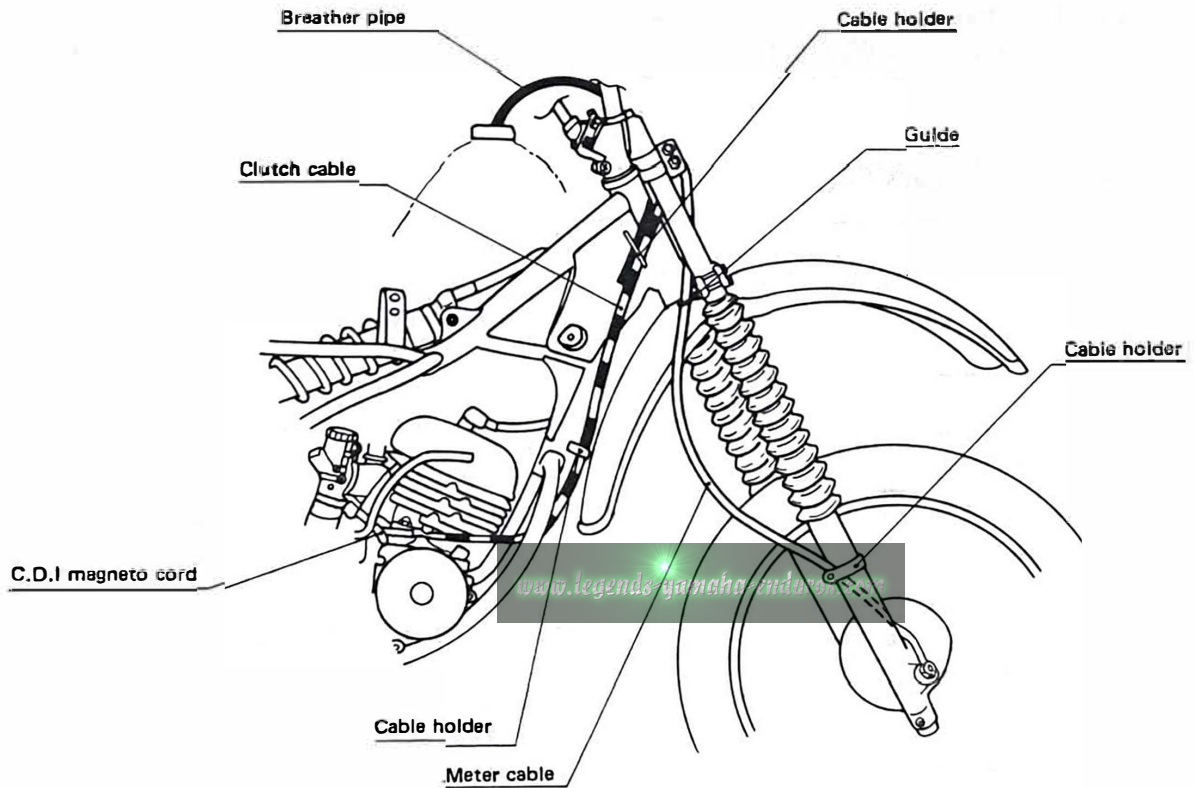
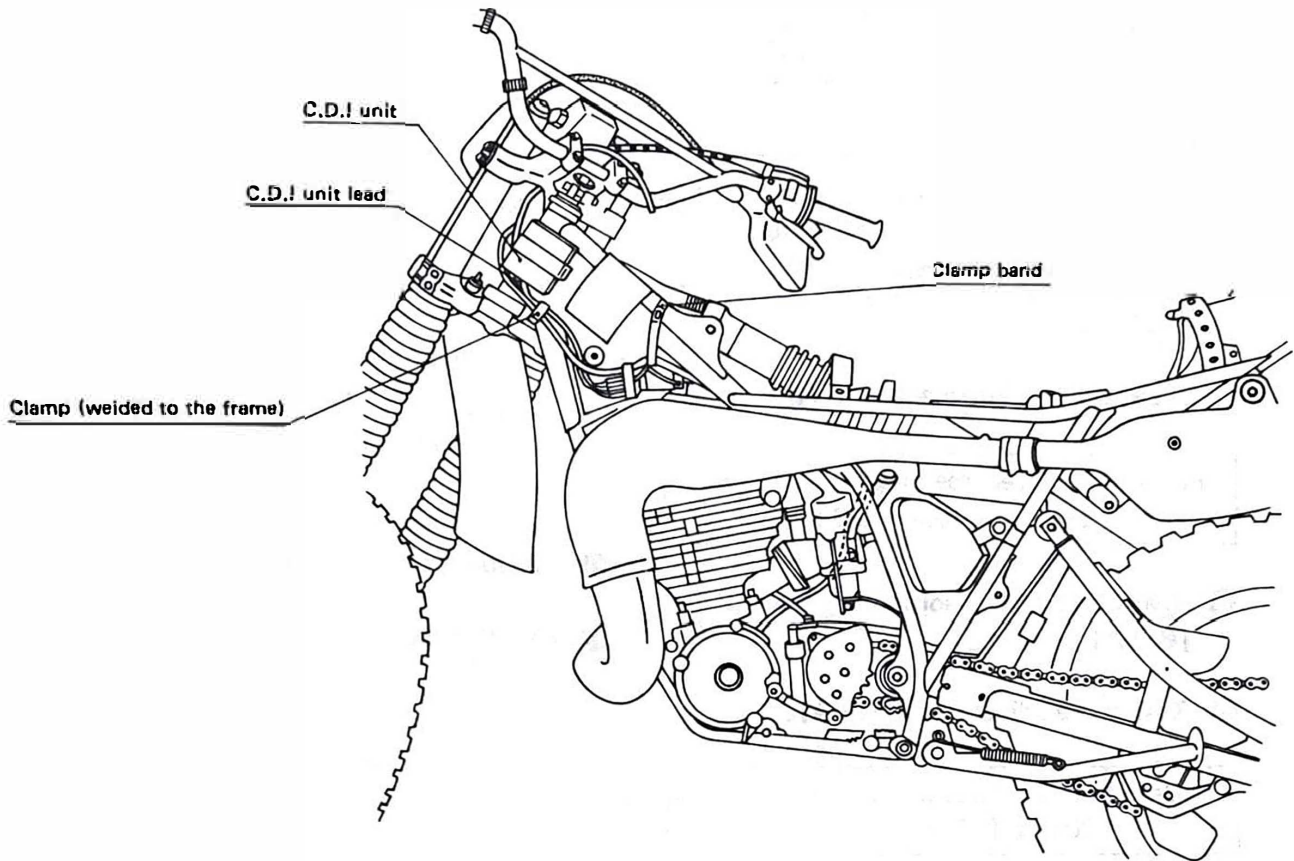
No.	Part name	Q'ty	Locating mark	Remarks
1	Footrest (Left)	1	V	
2	Hexagon bolt	1	V	d = 8 mm (0.32 in) ℓ = 42 mm (1.6 in)
3	Return spring (Torsion spring)	1	V	
4	Hexagon nut	1	V	d = 8 mm (0.32 in)

# CABLE ROUTING

**WARNING:**

Proper cable and lead routing is essential to insure safe vehicle operation.







# ADJUSTMENTS AND PREDELIVERY SERVICE

NOTE: \_\_\_\_\_

Please read the following chapter in the Basic assembly manual before proceeding to the adjustments and predelivery service.

## CHAPTER 6: APPENDICES

### ① Front brake adjustment [F.B-A]

Front brake lever free play:  
5 ~ 8 mm (0.2 ~ 0.3 in)

### ② Rear brake pedal position adjustment [R.P-A]

### ③ Rear brake adjustment [R.B-A]

Rear brake pedal free play:  
20 mm (0.8 in)

### ④ Clutch adjustment [C.A-A]

Clutch lever free play:  
2 ~ 3 mm (0.08 ~ 0.12 in)

### ⑤ Throttle cable adjustment [T.C-A]

Throttle cable free play:  
3 ~ 5 mm (0.12 ~ 0.21 in)

### ⑥ Fuel draining [F.D-A]

### ⑦ Transmission oil level check [T.L-A]

### ⑧ Drive chain tension check [D.C-A]

Drive chain deflection:  
30 mm (1.2 in)

### ⑨ Troubleshooting [T.S-A]

### ⑩ Headlight beam adjustment [H.L-A]

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## SERVICE DATA

Idling engine speed:	As desired
Spark plug: Type Gap	N-86 (CHAMPION) 0.5 ~ 0.6 mm (0.020 ~ 0.024 in)
Fuel: Recommended fuel Fuel tank capacity	Premium gasoline (Mixed gas 24 : 1) 11 L (2.9 Imp gal, 2.4 US gal)
Engine oil: Recommended oil	Yamalube Racing 2-cycle oil (See Owner's manual)
Transmission oil: Recommended oil Oil quantity (Periodic oil change)	SAE 10W30 motor oil 600 cm <sup>3</sup> (0.63 Imp qt, 0.53 US qt)
Tire pressure (Cold tire pressure): Front Rear	98 kPa (1.0 kg/cm <sup>2</sup> , 14 psi) 98 kPa (1.0 kg/cm <sup>2</sup> , 14 psi)

## TORQUE SPECIFICATION CHART

Parts be tightened	Tightening torque		
	Nm	m·kg	ft·lb
Engine;			
Spark plug M14	25	2.5	18
Drain plug M12	20	2.0	14
Chassis:			
Front fender M6 (F.F-A#1)	5	0.5	3.6
Front wheel axle M14 (F.W-D#1)	58	5.8	42
Front wheel axle holder M6 (F.W-D#2)	10	1.0	7.2
Handlebar upper holder M8 (H.B-A#1)	23	2.3	17
Throttle grip M5 (T.G-B)	5	0.5	3.6
Meter assembly M6 (M.A-A#1)	10	1.0	7.2
Carrier box M6 (T.K-D#1)	7	0.7	5.1
Footrest M8	15	1.5	11
Handle crown:			
Steering shaft M14	54	5.4	39
Inner tube M8	23	2.3	17
Pivot shaft M16	85	8.5	61
Rear arm and flame M16	85	8.5	61
Rear wheel axle M14	85	8.5	61
Rear shock absorber M10	31	3.1	22
Rear shock absorber and "L" shape arm M10	32	3.2	23
"L" shape arm and "I" shape arm M12	59	5.9	42

## OWNER'S TOOL KIT

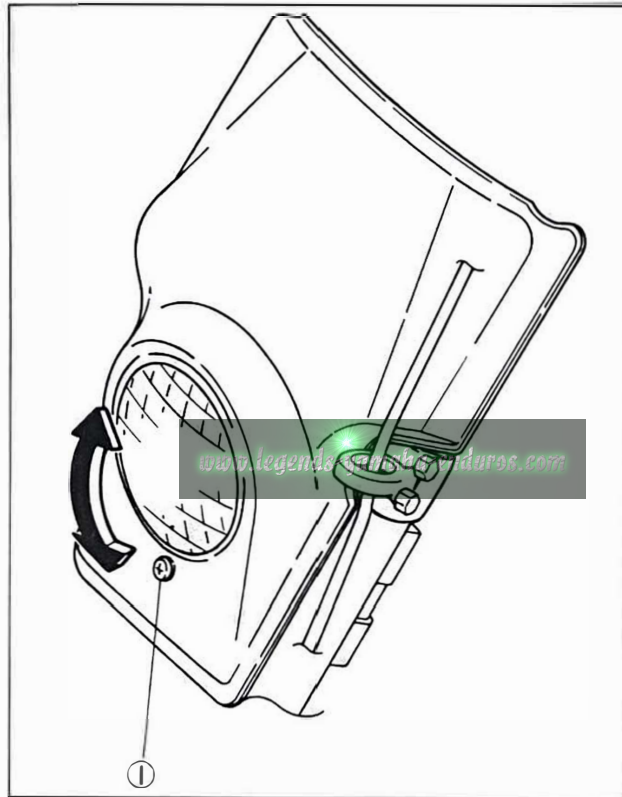
No.	Part name	Q'ty
1	Owner's tool bag	1
2	Spanner (10-12)	1
2	Spanner (14-17)	1
4	Spoke nipple wrench	1
5	Screwdriver grip	1
6	Screwdriver cap	1
7	Screwdriver bit (Phillips head)	1
8	Screwdriver bit (Phillips head-Slotted head)	1
9	Pliers	1
10	Hexagon wrench (8)	1
11	Special spanner (19-22)	1
12	Special spanner (32)	1
13	Spark plug wrench (21)	1

## ▶ Headlight beam adjustment

Vertical adjustment:

To adjust the beam to the upper, turn the adjusting screw clockwise.

To adjust the beam to the lower, turn the screw counterclockwise.



1. Adjuster

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