



YAMAHA

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RD400C

ASSEMBLY MANUAL



90894-07503

FOREWORD

This Assembly Manual contains the information required for the unpacking and assembly of Yamaha motorcycles so that the Yamaha serviceman can assemble the machine in the correct manner. To perform machine assembly, a basic knowledge of service and Yamaha machines is required. Therefore, all Yamaha dealers are urged to make a full study on the service of Yamaha motorcycles using the relevant service manuals.

NOTICE

The service specifications given in this Assembly Manual are based on the model as manufactured. When this model may require improvements, the service specifications may be subject to change in the future. If any change is introduced into the specifications or service procedures, Yamaha dealers will be notified through technical service information to be published by Yamaha. The assembly procedure is described in the order that the mechanic should follow, and the correct service tools should be used in the correct manner. Failure to do this may result in poor performance and danger to the rider.

**YAMAHA RD400C
ASSEMBLY MANUAL
1st EDITION, NOVEMBER, 1975
OVERSEAS SERVICE DEPARTMENT
YAMAHA MOTOR CO., LTD.
IWATA, JAPAN
LIT-11666-00-02**

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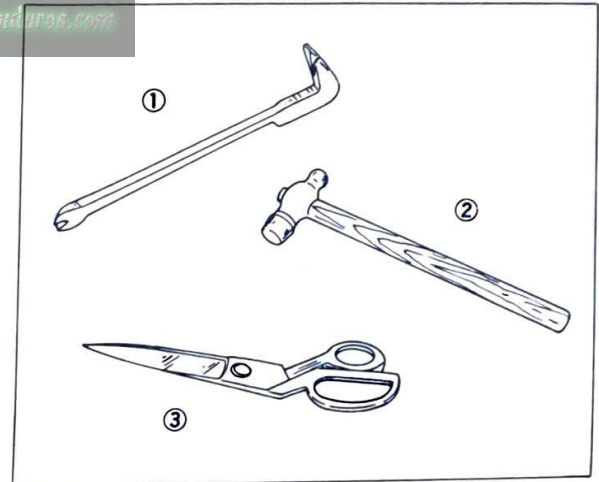
PREPARATION

To assemble the machine correctly, the following service tools, supplies and working space are required:

Tools for unpacking

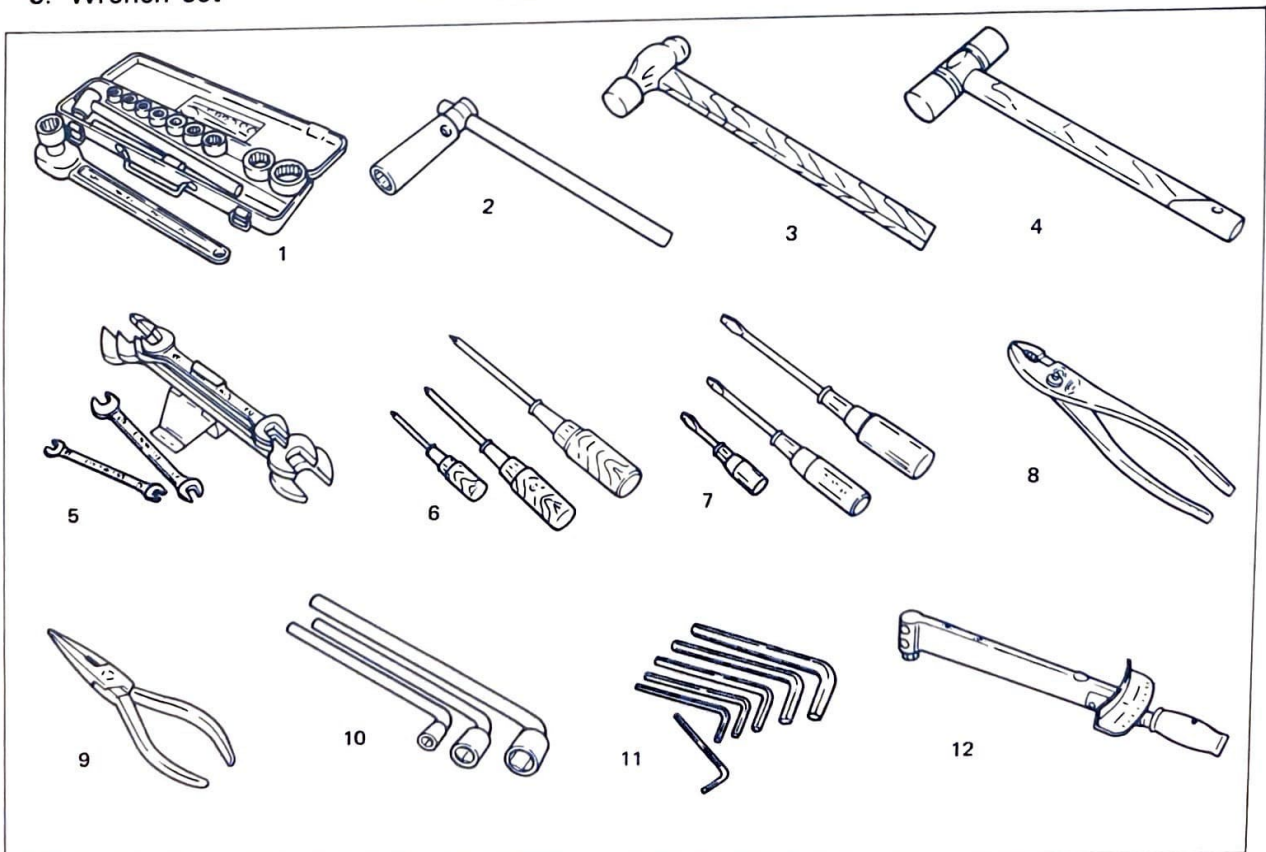
1. Nail puller
2. Steel hammer
3. Scissors

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Tools for assembling

- | | | |
|----------------------|--|----------------------------|
| 1. Socket wrench set | 6. Phillips head screwdrivers
(Large, medium and small) | 9. Long nose pliers |
| 2. Spark plug wrench | 7. Slotted head screwdrivers
(Large, medium and small) | 10. L-handle socket wrench |
| 3. Steel hammer | 8. Pliers | 11. Allen wrench set |
| 4. Soft-faced hammer | | 12. Torque wrench |
| 5. Wrench set | | |



Supplies

Oils, greases, shop rags, electrical contact cleaner.

Workshop

The workshop where the machine is assembled should be clean and large. The floor should be level.

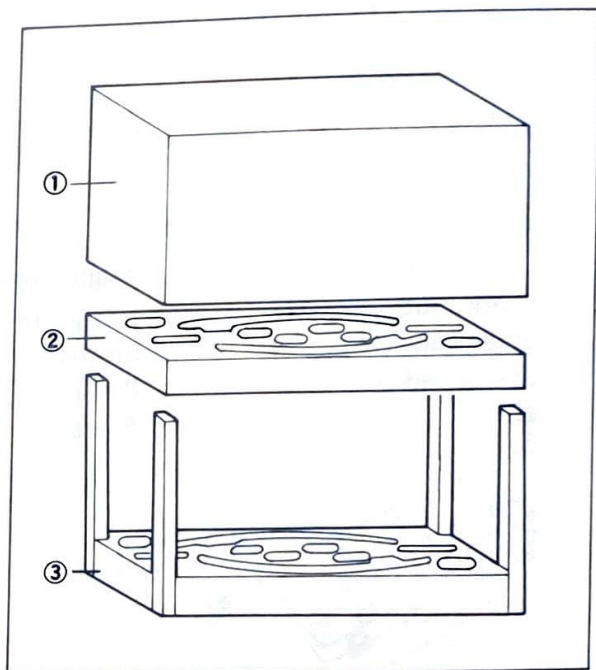
UNPACKING

Note on transportation

Use care not to butt the machine packed in the crate against a hard object or give it a heavy shock during transportation or in the service shop.

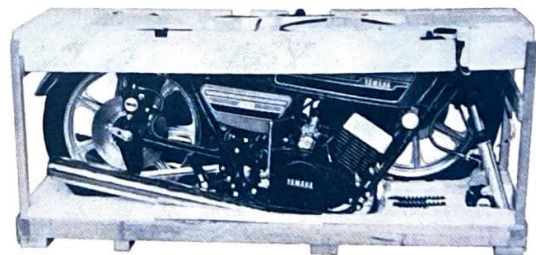
Procedure for unpacking

To remove the machine and parts packed in the cardboard crate, cut the vinyl bands around the box using a cutter or scissors. Next, remove the exterior carton by lifting it straight up.



1. Cardboard crate
2. Upper foam tray

3. Lower foam tray



PARTS CHECK LIST

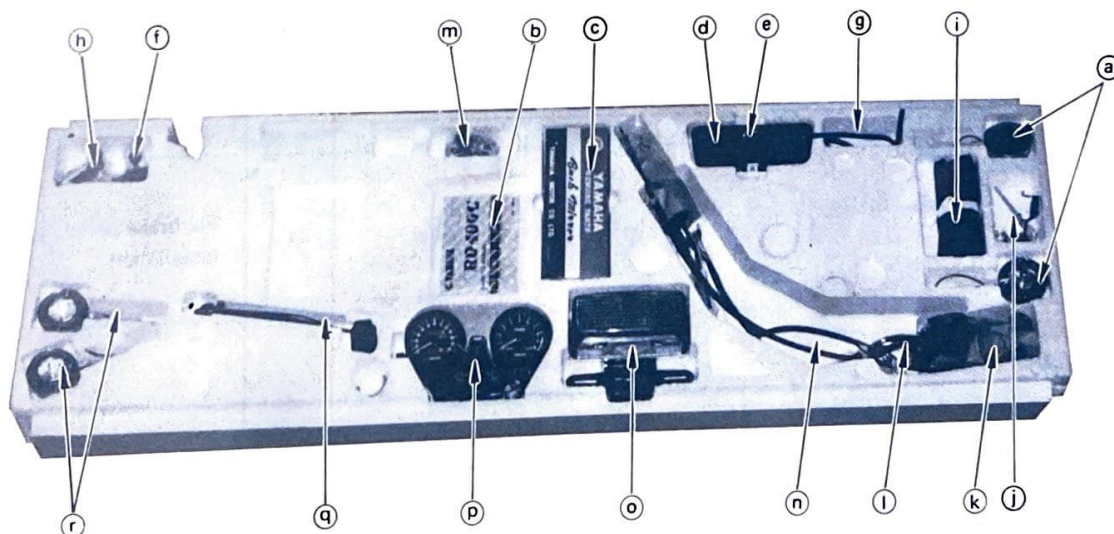
The following parts are contained in the foam tray and the vinyl bag in the package. Check the quantity of parts against the list. Also check for damage.

Before starting the assembly, check for damaged or missing. Also check the machine for damage, scratches and other defects.

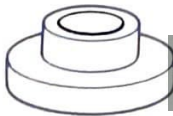
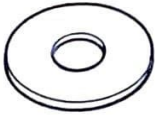




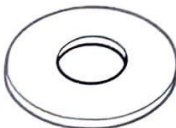
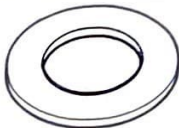

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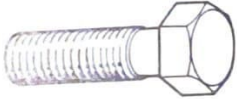

In the foam tray

No.	Parts Name	Q'ty	No.	Parts Name	Q'ty
a	Rear flasher light	2	k	Wheel axle collar	1
b	Owner's Manual	1	l	Meter cable and speedometer clutch assembly	1
c	Rear view mirror	1		m	Vinyl bag	1
d	Tool box	1	n	Handle bar	1
e	Band	1	o	Taillight assembly	1
f	Vinyl bag	1	p	Meter assembly	1
g	Breather pipe	1	q	Brake pedal	1
h	Vinyl bag	1	r	Front flasher light	2
i	Service tool	1			
j	Brake shaft and rod with spring	1			







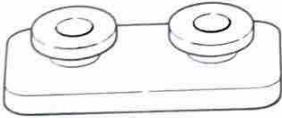
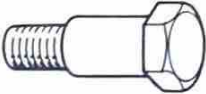
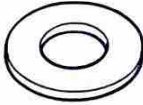


Details of parts in the vinyl bag 'm'

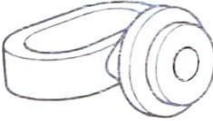




No.	Illustration	Parts name	Q'ty	Remarks
m-1	 www.legends-yamaha-enduros.com	Damper	4	For meter assembly installation
m-2		Plain washer	2	
m-3		Nut	2	
m-4		Master cylinder bracket	1	For master cylinder installation
m-5		Bolt with washer	2	
m-6		Bolt with washer	1	For brake pedal installation
m-7		Plain washer	4	For rear shock absorber installation
m-8		Plain washer	2	
m-9		Cap nut	4	

No.	Illustration	Parts name	Q'ty	Remarks
m-10		Nut	4	For footrest installation
m-11	 www.legends-yamaha-enduro.com	Spring washer	4	
m-12		Handle upper holder	2	For handlebar installation
m-13		Bolt	4	
m-14		Spring washer	4	




Details of parts in the vinyl bag 'f'

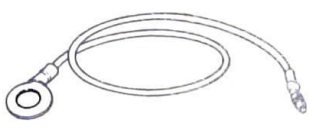
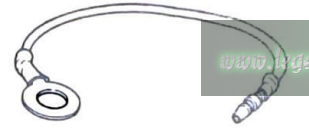

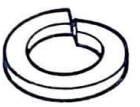
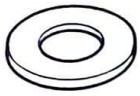


No.	Illustration	Parts name	Q'ty	Remarks
f-1		Grommet	1	For taillight assembly installation
f-2		Collar	1	
f-3		Washer	1	
f-4		Bolt	1	
f-5		Nut	3	
f-6		Spring washer	3	
f-7		Damper	1	
f-8		Bolt	2	
f-9		Plain washer	2	

Details of parts in the vinyl bag 'f'

No.	Illustration	Parts name	Q'ty	Remarks
f-10		Wire holder	1	
f-11		Plug	1	
f-12		Clevis pin	2	For seat installation
f-13		Clip	2	
f-14		Cotter pin	1	For front wheel axle installation

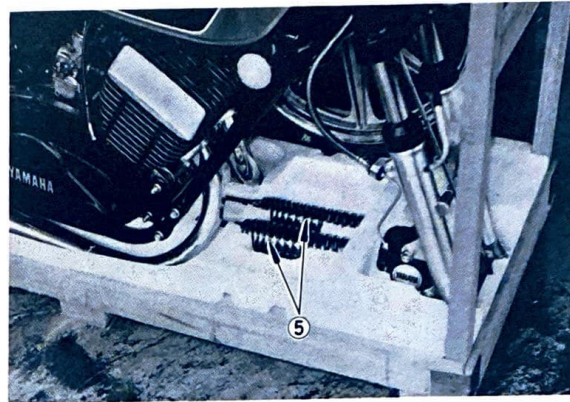
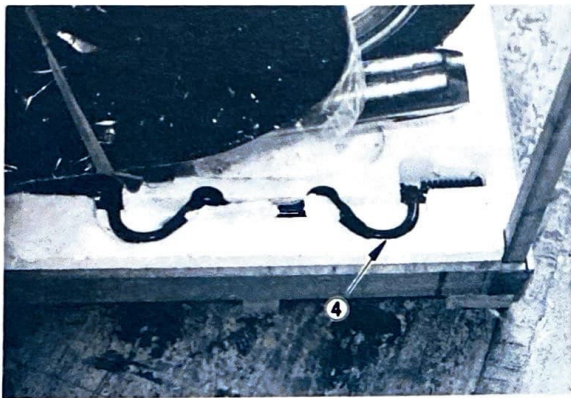
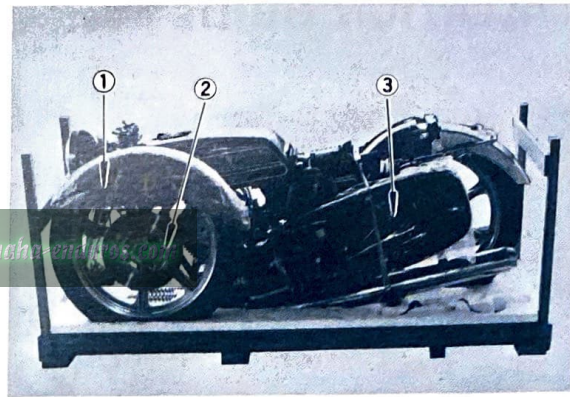
Details of parts in the vinyl bag 'h'

No.	Illustration	Parts name	Q'ty	Remarks
h-1		Collar	2	For rear flasher light installation
h-2		Grommet	2	
h-3		Washer	2	

h-4		Negative lead wire	2	For rear flasher light
h-5		Negative lead wire	2	For front flasher light
h-6		Nut	2	For rear flasher light installation
h-7		Spring washer	2	
h-8		Plain washer	2	For tool box installation
h-9		Clevis pin	2	
h-10		Clip	2	

On the wooden frame

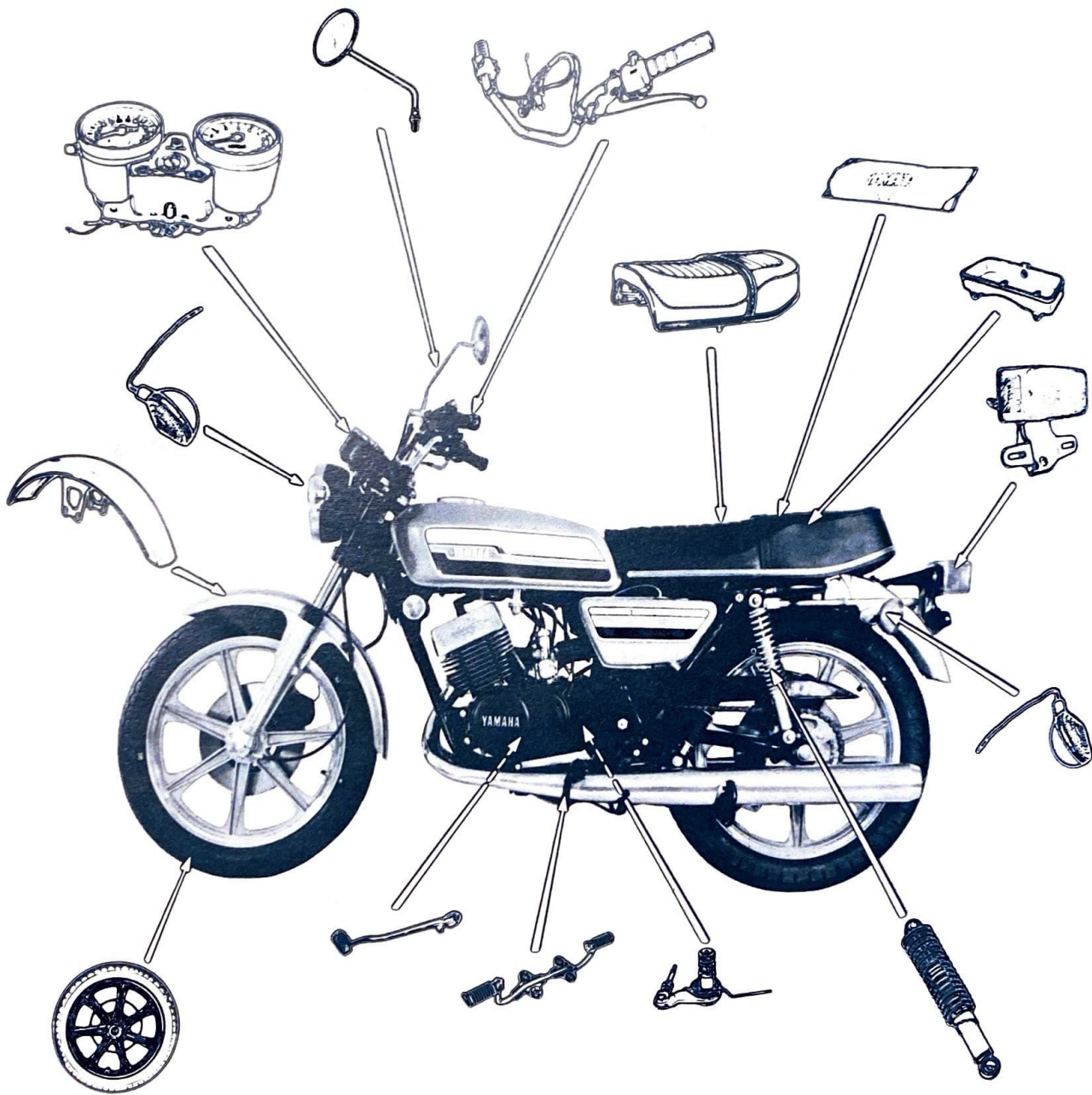
No.	Parts name	Q'ty
1	Front fender	1
2	Front wheel	1
3	Seat	1
4	Footrest	1
5	Rear shock absorber	2



INSTALLATION GUIDE

The removed parts should be installed in the positions indicated in the chart below:

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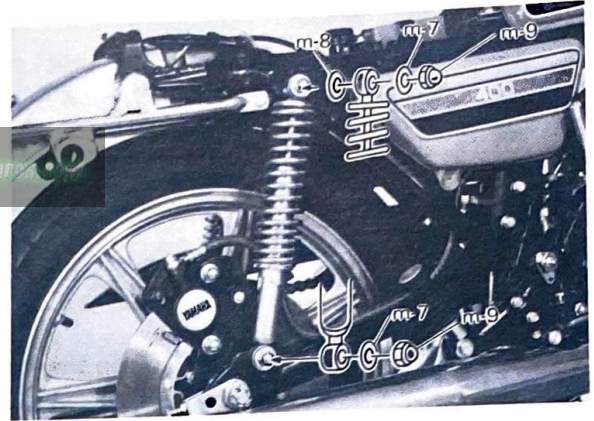
SET-UP PROCEDURES

Install the rear shock absorbers using the cap nuts (m-9) and plain washers (m-7, m-8).

Tightening torque: 2.3 ~ 3.7 m·kg
(16.6 ~ 26.8 ft·lb)

NOTE:

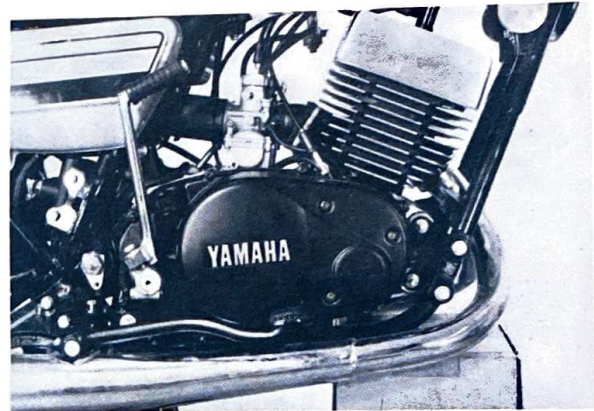
When installing the rear shock absorbers, note the position of the absorbers as shown in the illustration.



Lift up the machine, and remove the rear wheel section from the foam styrol base. Then take out the machine.

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To install the front fender and front wheel, place a proper-size wooden box or a wooden block under the engine to keep the front of the machine raised off the floor. Take care so that the machine does not fall over.

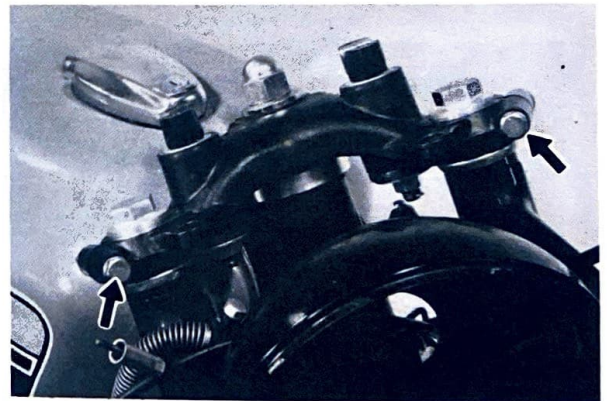


Front fork holding bar removal

1. Loosen the upper and lower bracket pinch bolts, while holding the front fork outer tube so that the front forks do not drop. And then remove the front fork holding bar.

CAUTION:

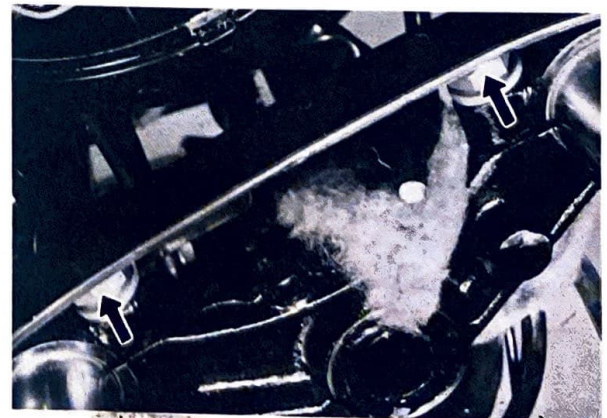
When doing above procedure care should be taken so that the front fork inner tube does not hit your face or body.



2. Put back the front forks where they were.

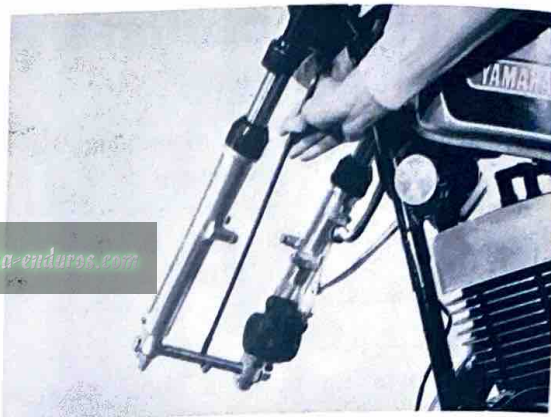
NOTE:

Make certain that the tops of the fork tubes are adjusted to the same level.

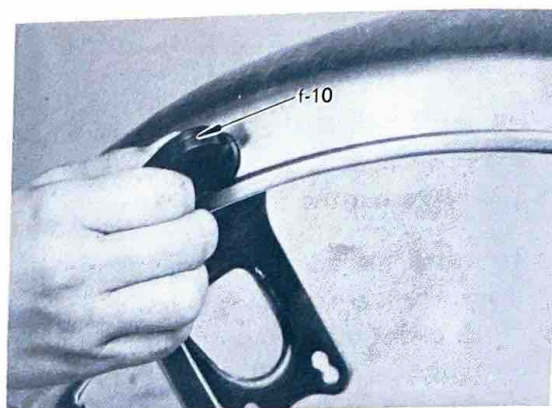


3. Retighten the front fork pinch bolts to the specified torque:

Tightening torque:	
Handle crown:	Under bracket:
1.4 ~ 2.2 m-k _g	3 ~ 4.5 m-k _g
(10.0 ~ 16.0 ft-lb)	(21 ~ 32 ft-lb)

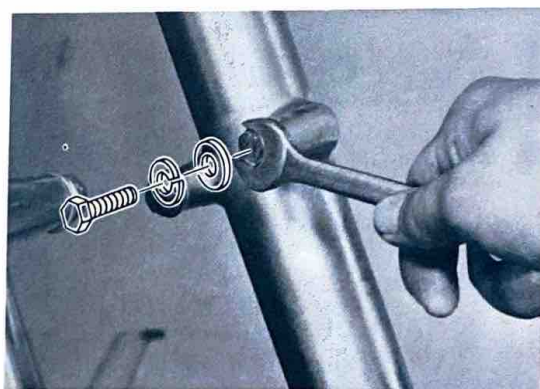


- Install the wire holder (f-10) on the front fender.



Front fender installation

1. Remove the four bolts, spring washers and plain washers.



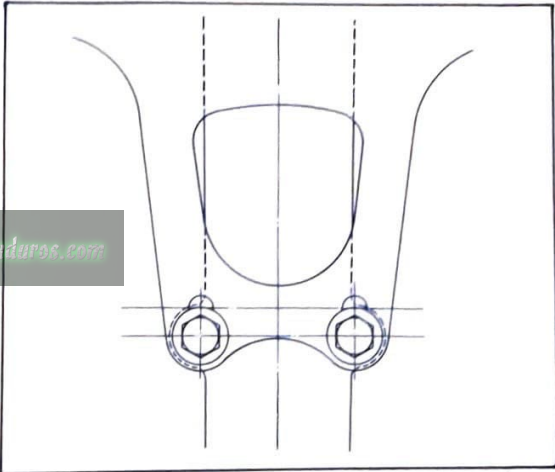
2. Insert the front fender between the front forks, and secure the fender using the removed bolts, plain washers and spring washers.

Tightening torque:
0.8 ~ 1.25 m-k _g
(5.8 ~ 9.0 ft-lb)

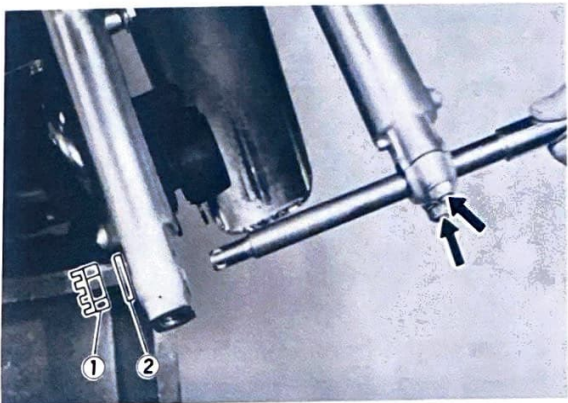


NOTE: _____
The front fender should be installed by the lower hole.

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Remove the front wheel axle nut and plain washer, and loosen the two nuts securing the axle holder. Then remove the wheel axle.



1. Front wheel axle nut 2. Plain washer

Install the wheel axle collar in the wheel hub on the right side of the front wheel (disc side).

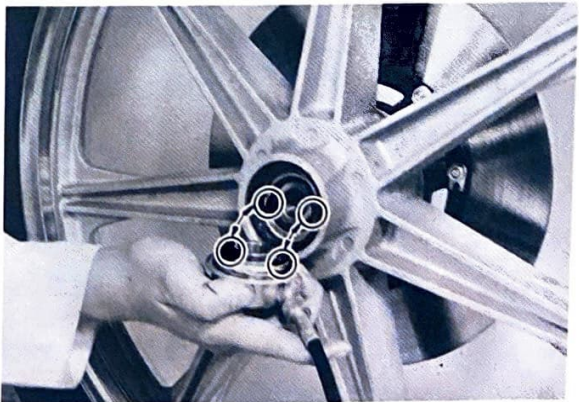
NOTE: _____
To avoid damaging the oil seal lip, apply a light coat of lithium base grease to the oil seal lip and axle collar. If the collar is dirty, clean with a rag.



1. Wheel axle collar

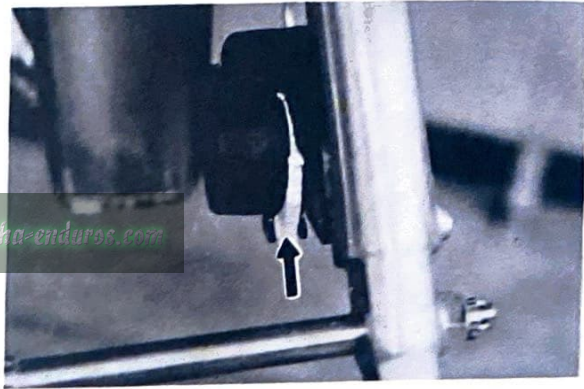
Install the speedometer clutch assembly on the left side of the front wheel.

1. Apply a light coat of lithium base grease to the oil seal lip on the front wheel side.
2. Apply a thin coat of lithium base grease to the meter drive gear and driven gear on the meter clutch side.
3. Make sure the two projections inside the wheel hub are meshed with the two slots in the speedometer clutch assembly.



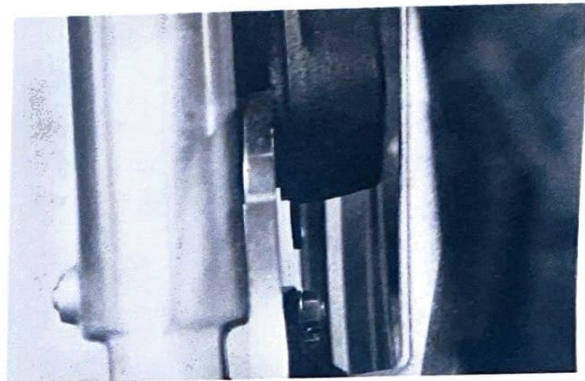
Take out a foam styrol sheet from between the disc pads.

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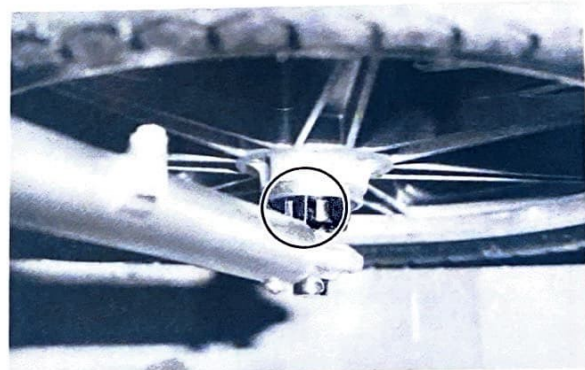


Install the front wheel on the front forks.

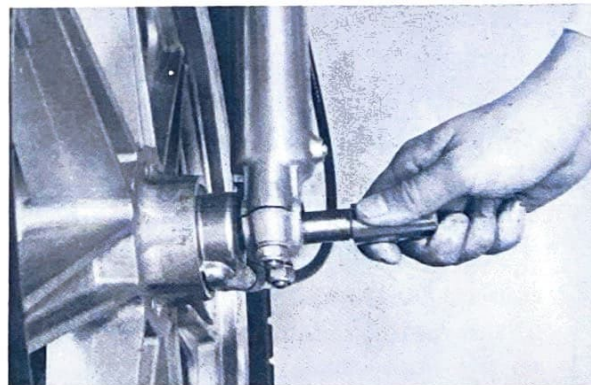
1. Make sure there is an enough gap between the disc pads, and check if the brake disc can be inserted between the disc pads by inserting from the front side of the machine.



2. Insert the front wheel between the front fork legs so that the stopper (projection) on the front fork end is correctly engaged the slot in the meter clutch assembly.



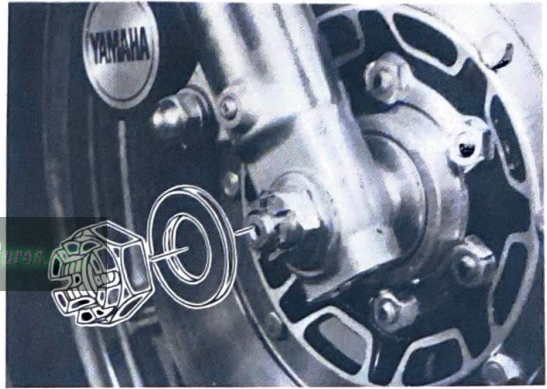
3. Insert the wheel axle from the left side of the wheel hub.



4. Install the plain washer and axle nut on the wheel shaft, and tighten the nut with specified torque.

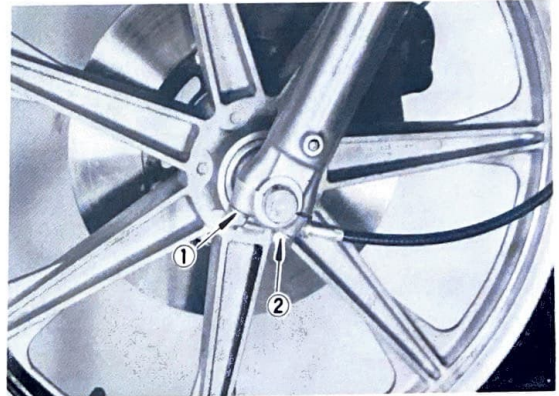
Tightening torque:
8.3 ~ 13 m·kg
(60.0 ~ 94 ft·lb)

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5. Tighten the wheel axle holder nuts. First tighten the nut on the front end of the axle holder, and tighten the nut on the rear end.

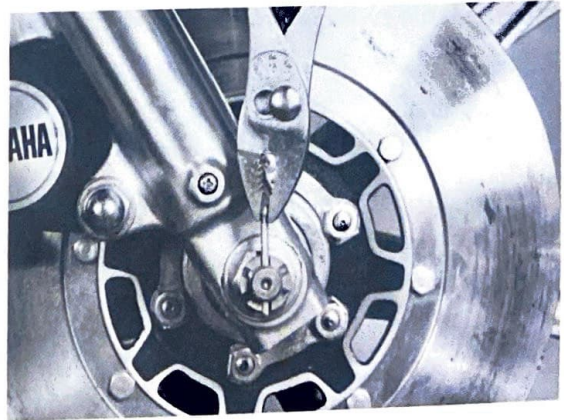
Tightening torque:
0.8 ~ 1.2 m·kg
(6 ~ 8.5 ft·lb)



1. First

2. Second

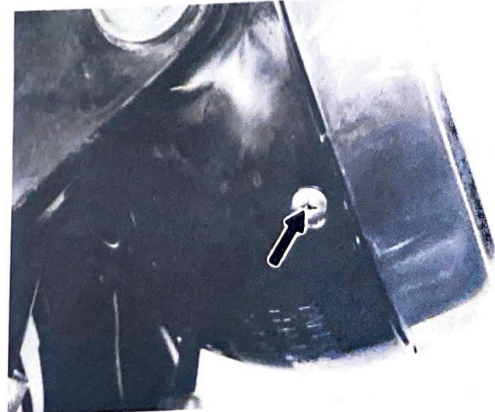
6. Lock the axle nut with the cotter pin (f-14). The pin should be inserted downward, and the pin ends should be bent.



Remove the Phillips head screw from the right of the headlight body. Insert a slotted head screwdriver between the headlight body and the headlight rim, pry out the lens assembly.

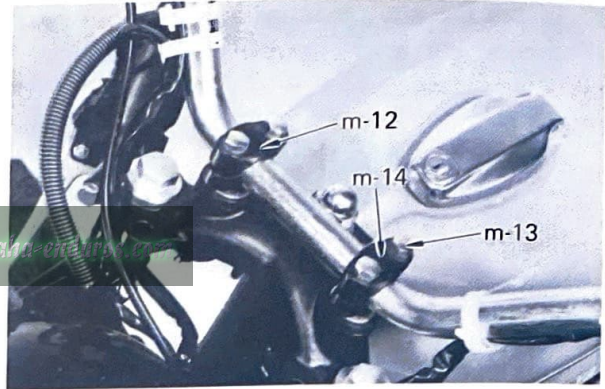
NOTE: _____

Care should be taken not to scratch the headlight body and lens rim. Also take care so that the screw is not lost.

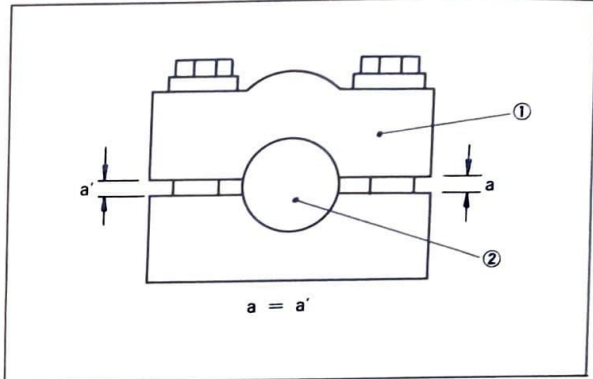


1. Install the handlebar using the two upper holders (m-12), four hexagon bolts (m-13) and four spring washers (m-14).

Tightening torque:
1.4 ~ 2.2 m-kg
(10.0 ~ 16.0 ft-lb)

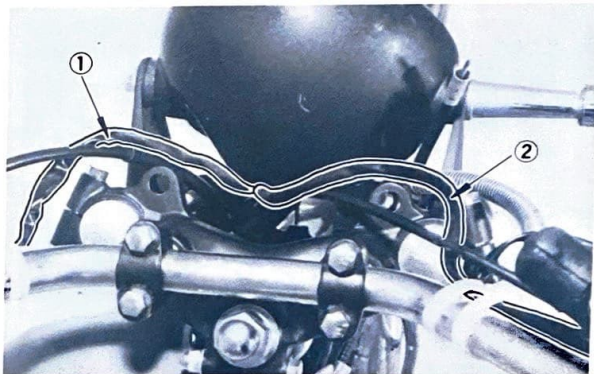


CAUTION: _____
Tighten bolts in stages and maintain an equal gap on each side of both holders.



1. Upper holder
2. Handlebar

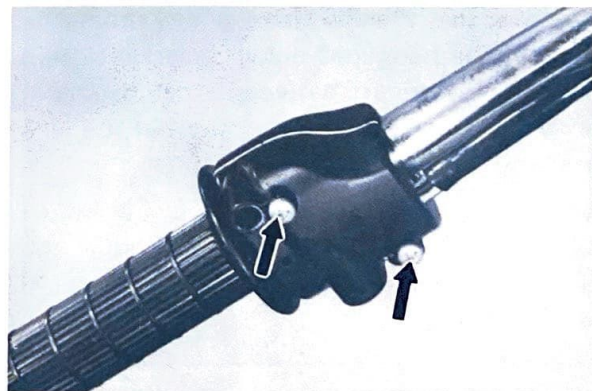
2. Insert the lead wires coming from the handle switches into the headlight body.



1. Left handle switch lead wire
2. Right handle switch lead wire

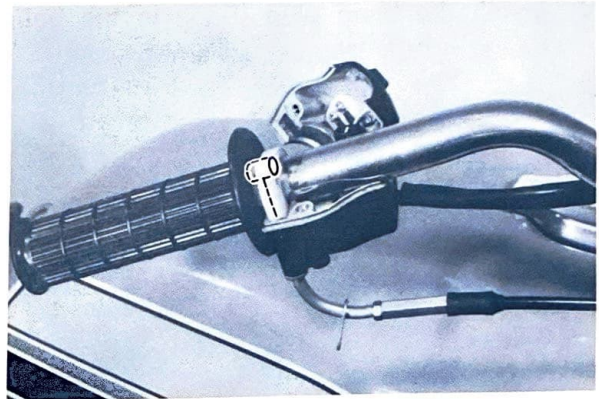
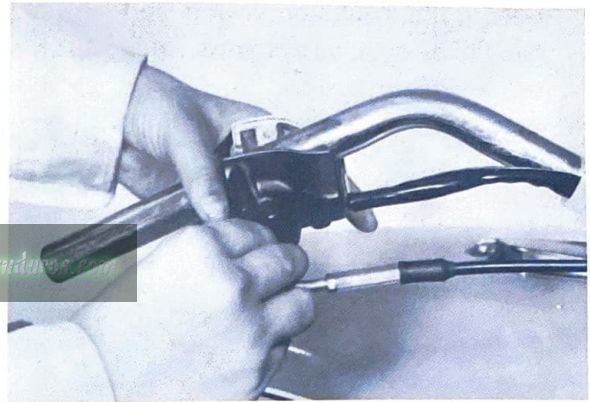
Throttle wire installation

1. Remove the two screws securing the right handle switch assembly, and separate the switch assembly into the upper and lower halves.

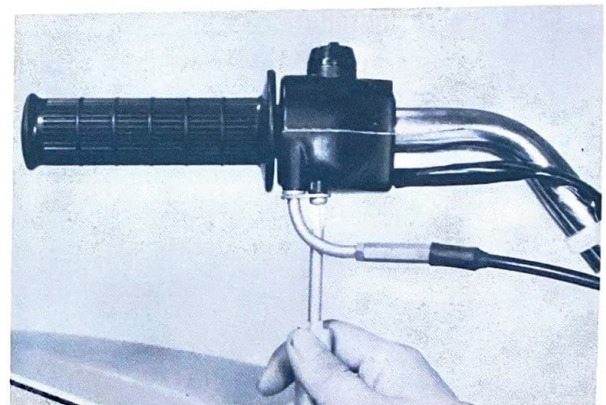


2. Pass the throttle wire through the hole in the lower half of the throttle grip housing, and install the throttle wire as illustrated.

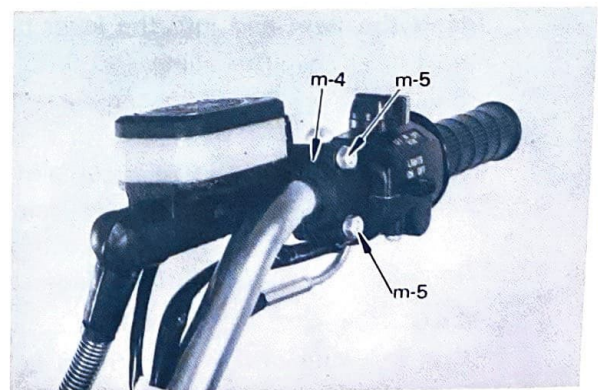
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3. Put together the two throttle grip housing halves (right handle switch assembly), and secure to the handlebar.



Using the bolts with washer (m-5) and master cylinder bracket (m-4), install the front brake master cylinder assembly on the right side of the handlebars.



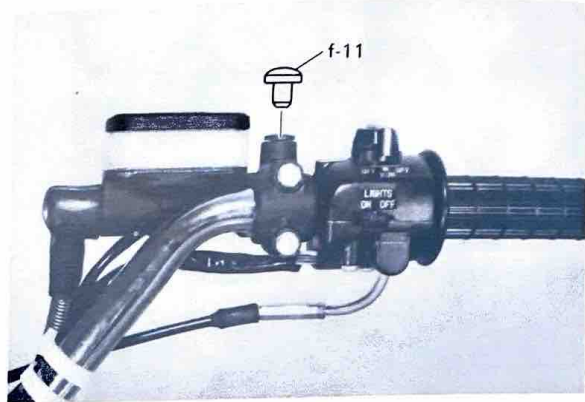
Secure the front stop switch lead wire to the handlebar with wire clamps, and insert it into the headlight body.



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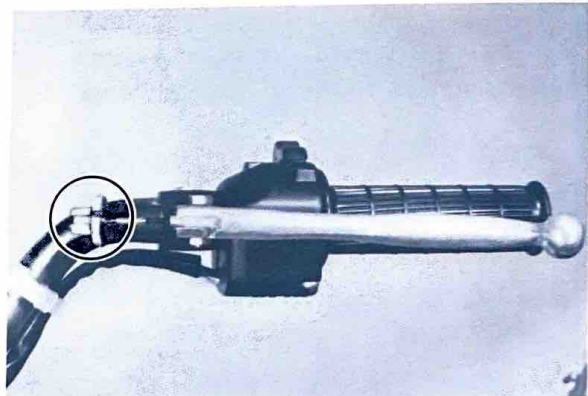
1. Front stop switch lead wire

Install the blind plug (f-11) in the hole of brake master cylinder assembly.



Clutch wire installation

1. Fully loosen the lever adjuster lock nut, and screw in the adjuster until tight. Next, align the slit in the adjuster and adjuster lock nut with the slit in the lever holder.

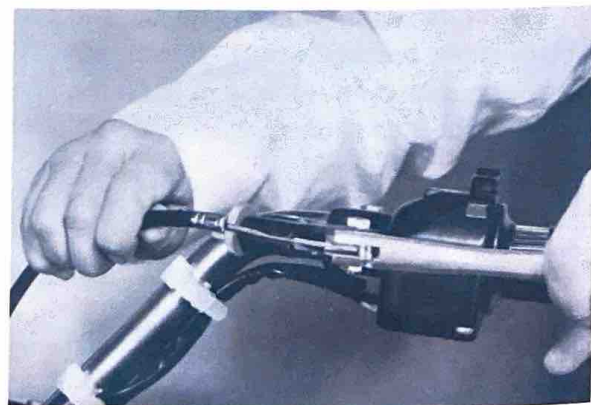


2. Insert the wire end into the lever hole, and hook the outer cable end onto the adjuster lock nut, then squeeze the lever.

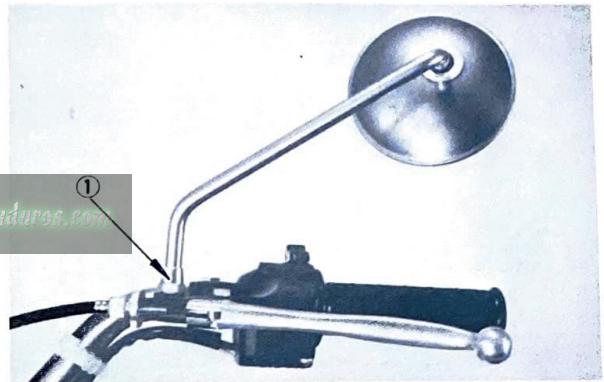
Next, while pulling the outer cable in the direction opposite to the lever, release the lever quickly. While releasing it, seat the outer cable into the adjuster.

CAUTION: _____

Proper cable and wire routing is essential to insure safe vehicle operation. For details of the cable routing, refer to the cable routing diagram.

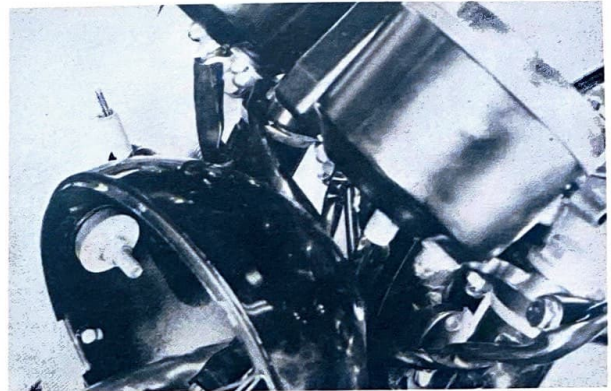


Install the rear view mirror on the clutch lever holder (lefthand side), and tighten the lock nut.

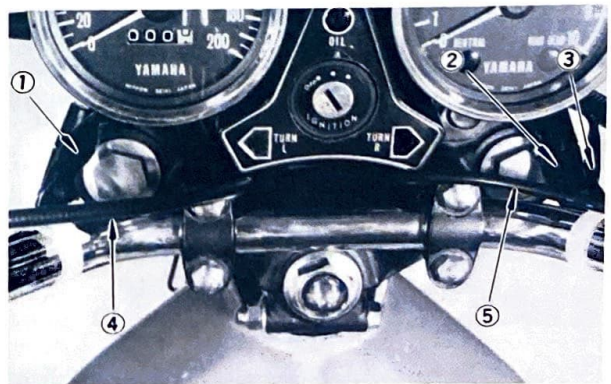
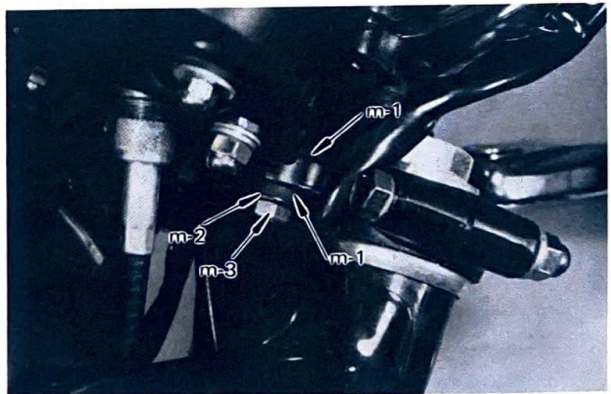


1. Locknut

Insert the lead wires coming from the meter assembly into the headlight body.



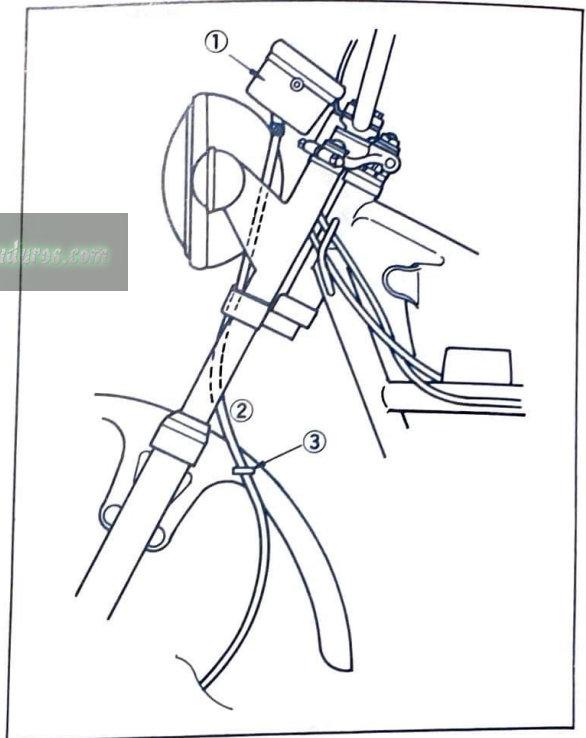
Install the meter assembly on the handle crown using the dampers (m-1), plain washers (m-2) and nuts (m-3).



1. Left handle switch lead wire
2. Right handle switch lead wire
3. Front stop switch lead wire
4. Clutch wire
5. Throttle wire

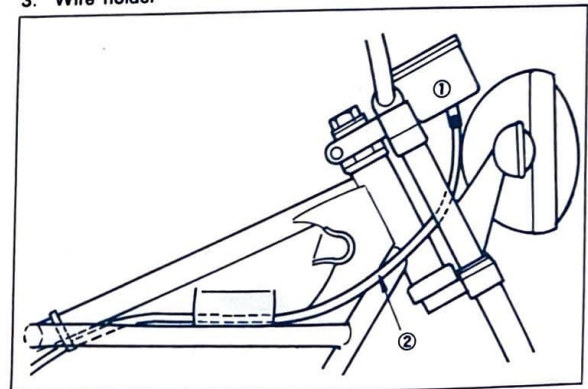
Connect the speedometer cable to the speedometer.

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- 1. Speedometer
- 2. Speedometer cable
- 3. Wire holder

Connect the tachometer cable to the tachometer.

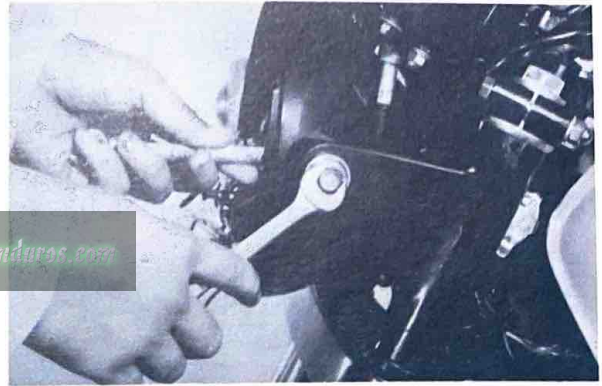


- 1. Tachometer
- 2. Tachometer cable

Front flasher light installation

1. Remove the bolts, spring washers and nuts securing the headlight body assembly to the light stay.

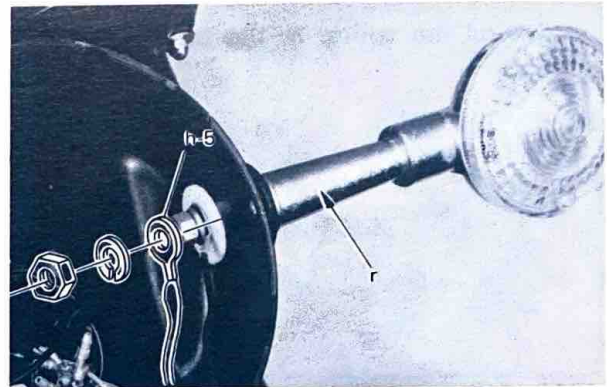
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2. Install both right and left flasher light assemblies (f) to the headlight body through the stays, and install the negative lead wires (h-5) using the removed nuts and spring washers as illustrated.

NOTE: _____

The two removed bolts are "temporary" and therefore, they are not used for the final assembly

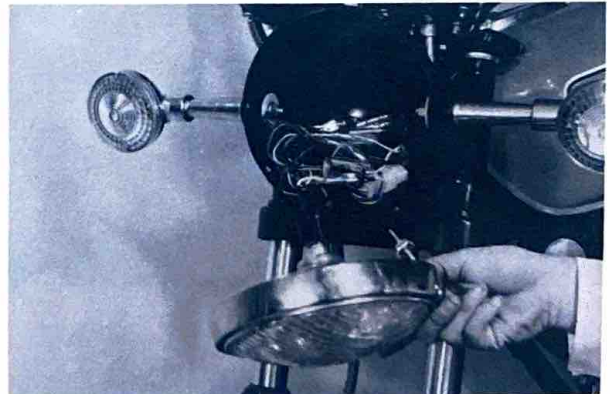


Connect all lead wires inside the headlight body. The wires of identical colors should be connected. (Some lead wires are excluded.)

NOTE: _____

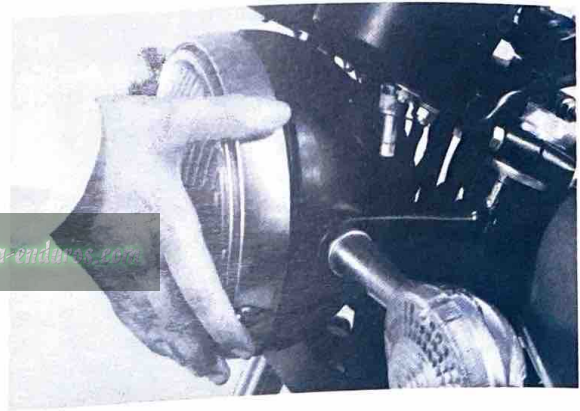
EXCEPTIONAL CONNECTIONS:

- Left front flasher light lead wire (Black) — Wire harness lead wire (Dark brown)
 - Right front flasher light lead wire (Black) — Wire harness lead wire (Dark green)
-

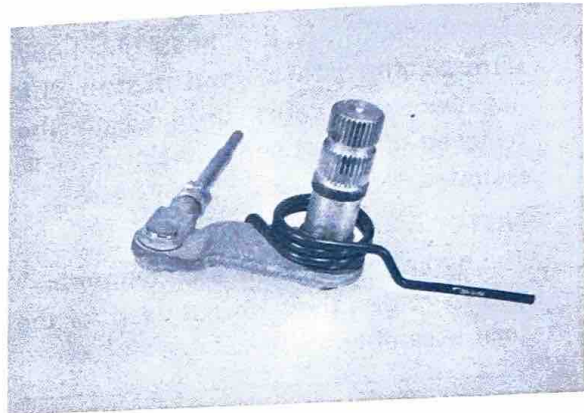


Install the headlight lens assembly on the headlight body with the removed Phillips head screw.

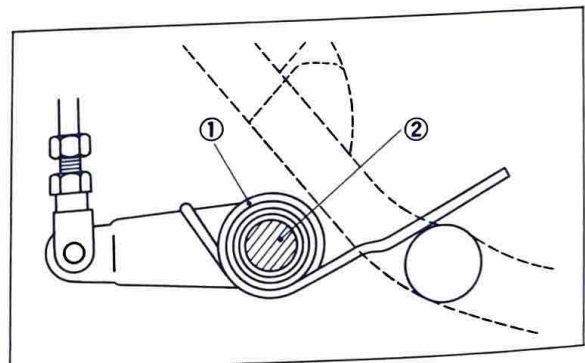
CAUTION: _____
When installing the headlight lens assembly, care should be used so that wires are not pinched.



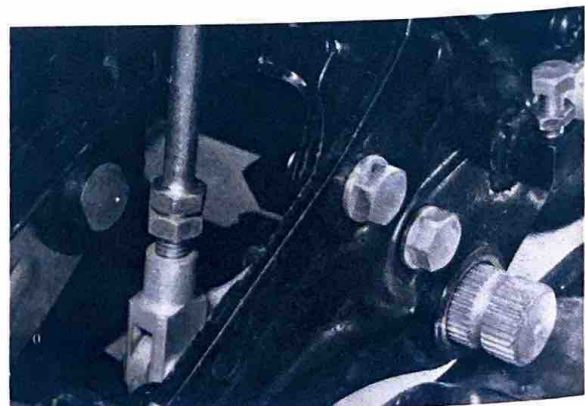
1. Install the spring to the brake shaft.



2. Pass the brake shaft to right muffler stay hole.

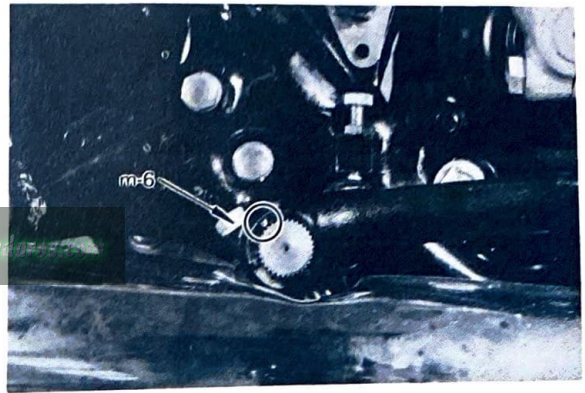


1. Spring 2. Brake shaft

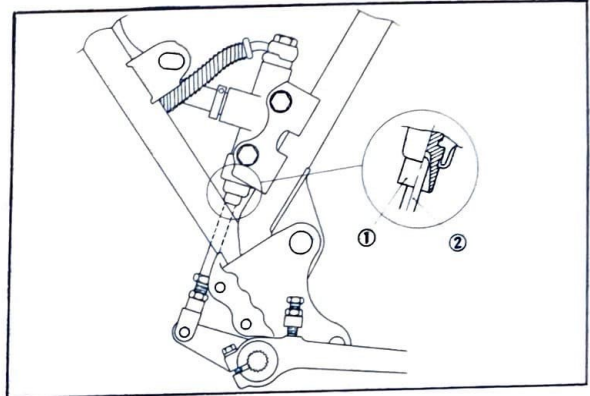


3. Align the both marks on the brake shaft and brake pedal, and install the brake pedal (q) using the bolt with washer (m-6).

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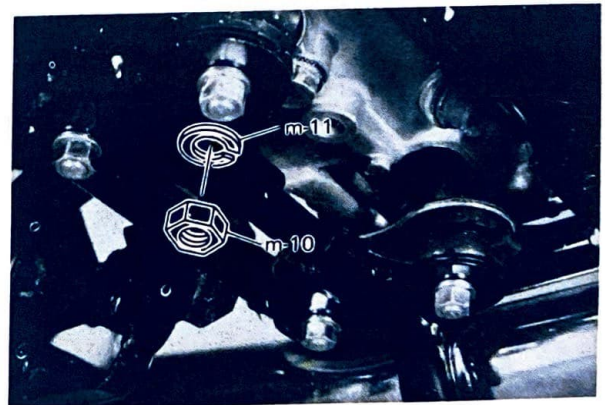


4. Insert the end of brake rod into master cylinder piston.
5. Adjust the brake pedal position (see page 30).



1. Master cylinder piston
2. Brake rod

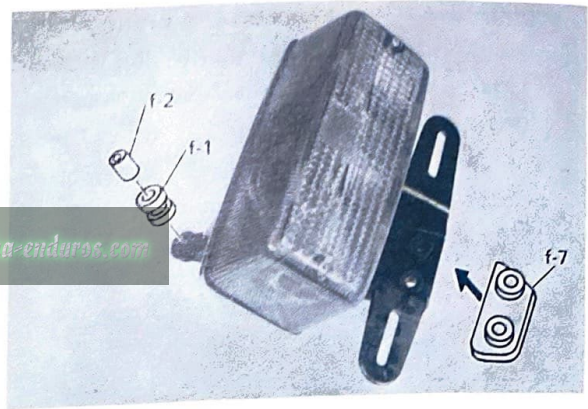
Install the footrest to the frame using the spring washers (m-11) and nuts (m-10).



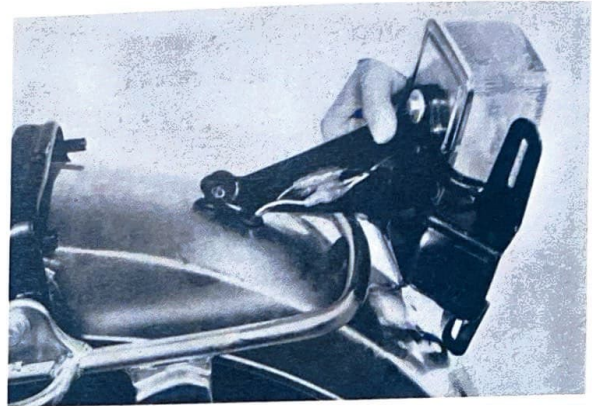
Taillight assembly installation

1. Install the damper (f-7), grommet (f-1) and fender mounting collar (f-2) on the tail/stoplight bracket.

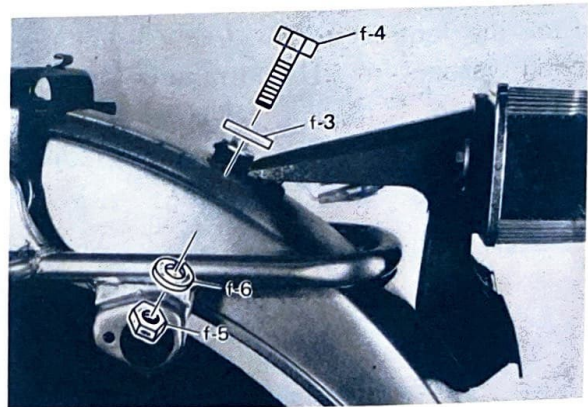
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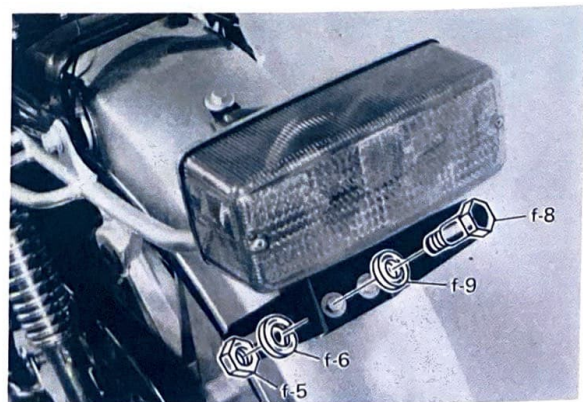
2. Connect the taillight assembly lead wire to the wire harness, and lock it with the hook. (The wires of identical color should be connected.)



3. Using the bolt (f-4), washer with rim (f-3), spring washer (f-6) and nut (f-5), secure the front part of the tail/stoplight bracket to the rear fender.



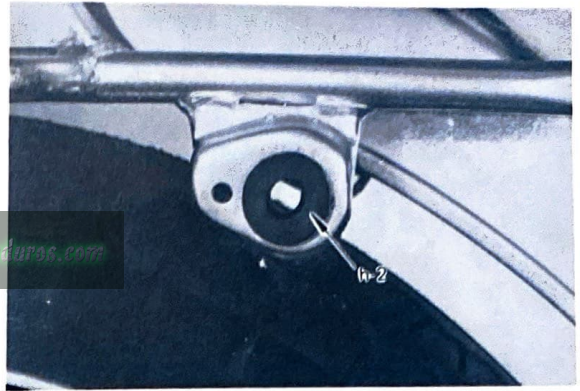
4. Using the two bolts (f-8), plain washers (f-9), spring washers (f-6) and nuts (f-5), secure the rear part of the tail/stoplight bracket to the rear fender.



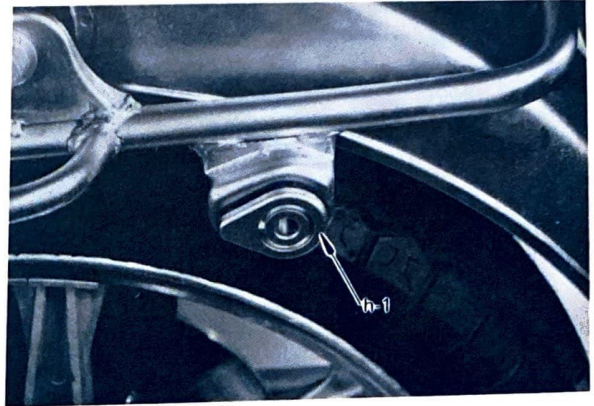
Rear flasher light installation

1. Install the grommets (h-2) on the rear flasher light stays.

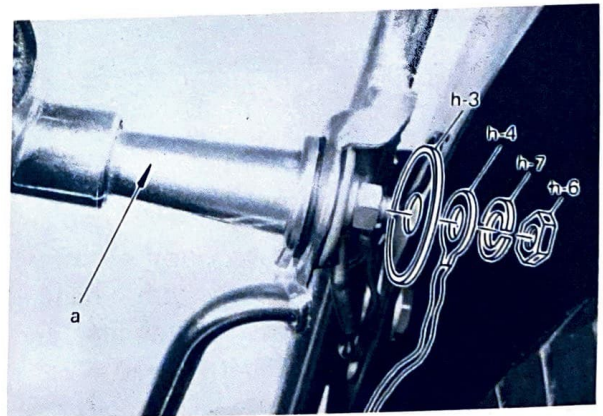
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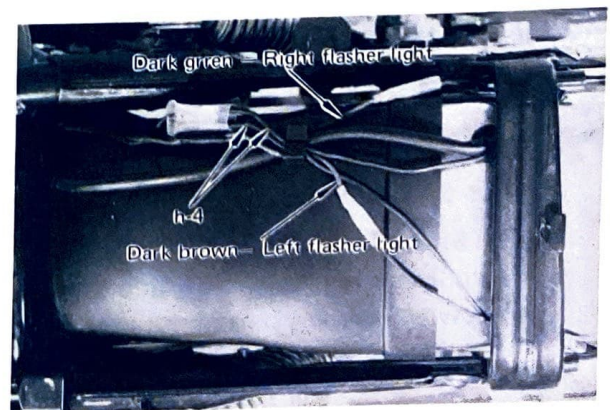
2. Install the collars (h-1) on the grommets.



3. Install the rear flasher lights (a) and negative lead wires (h-4) using the washers (h-3), spring washers (h-7) and nuts (h-6).



4. Connect the lead wires as illustrated.



Battery

1. When filled with diluted sulfuric acid electrolyte, this battery can be put into use immediately. That is, it is a dry-charged battery. It is advisable, however, that the battery be charged as much as possible before using for the first time for maximum performance. This initial charge will prolong the life of the battery.

Charging current: 0.55A

Charging hours: 10 hrs

2. How to prepare diluted sulfuric acid
The diluted sulfuric acid can be prepared by adding sulfuric acid to distilled water at a specific mixing ratio.

Specific gravity at 20°C	Ratio of distilled water to sulfuric acid
1.25	3.4
1.26	3.2
1.27	3.0
1.28	2.8
1.29	2.7
1.30	2.6

Pour distilled water into a glass container, and add sulfuric acid while stirring with a glass stick. Adding the acid will generate heat, and therefore, care should be taken so that heat does not rise excessively.

CAUTION:
Never attempt to add distilled water to sulfuric acid.

3. Filling the battery with diluted sulfuric acid
 - a. Remove all filler caps from the battery, and remove the breather pipe cap at the same time.
 - b. Cool the diluted sulfuric acid down to below 30°C (86°F).
 - c. Pour diluted sulfuric acid into each cell little by little up to the upper level line, and leave it for a while. When the battery fluid permeates the plates and separators, the fluid level begins to lower. Add diluted sulfuric acid again.
 - d. Charge the battery as required, and measure the specific gravity of the fluid.
 - e. Install the filler caps, and thoroughly wipe off the fluid around the filler caps.

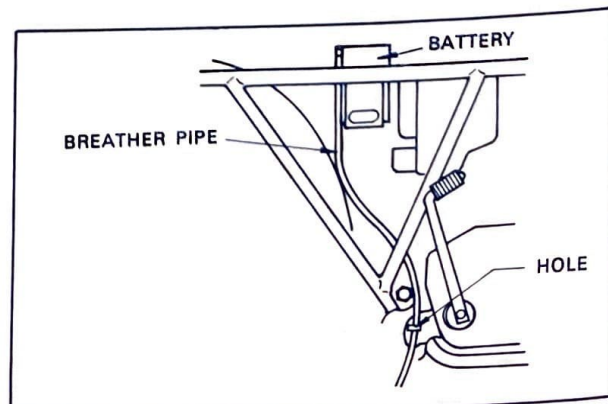
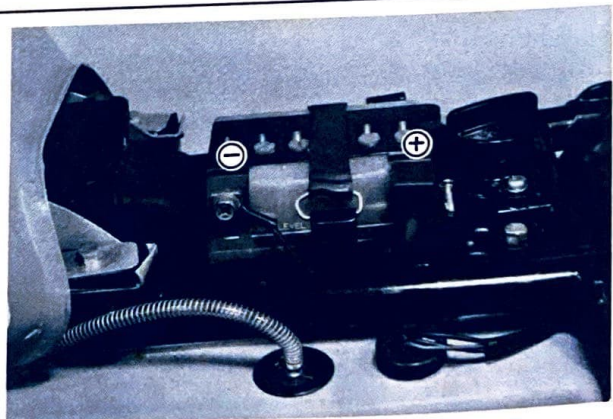
Battery installation

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

NOTE:
After connecting the positive lead wire, be sure to place the rubber cover to prevent shorting.

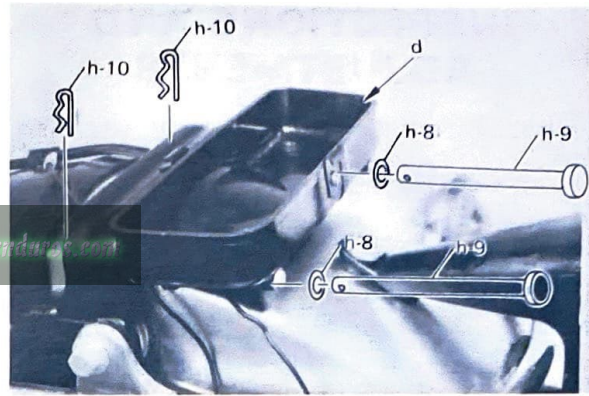
2. Pass breather pipe along mud guard and insert it in hole as illustrated.

NOTE:
Route the breather pipe outlet down and away from any part of the machine.

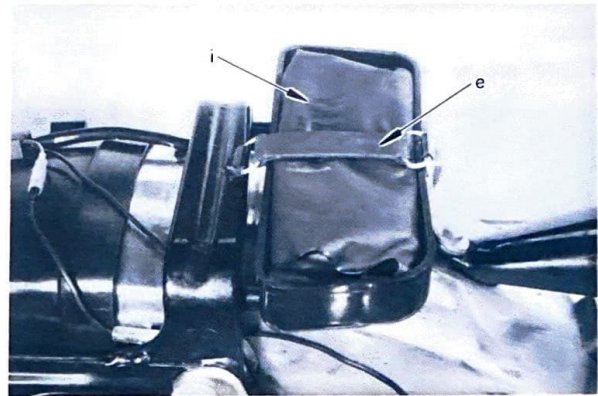


Install the tool box (d) to the frame using the clevis pins (h-9), plain washers (h-8) and clips (h-10).

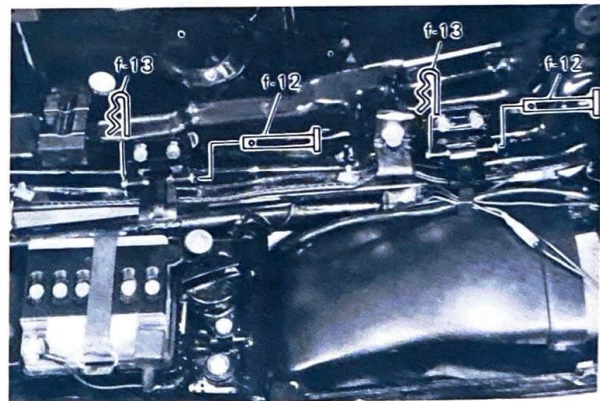
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Put the service tools (i) in the tool box and secure it with band (e).



Install the seat to the frame using the clevis pins (f-12) and clips (f-13).



INSPECTIONS AND ADJUSTMENTS

Inspections

After all packed parts are installed, check to see that all these parts and other parts (mounted or installed at the Yamaha factory) are correctly mounted or installed, or tightened to specification. This check-up should be started with the front of the machine.

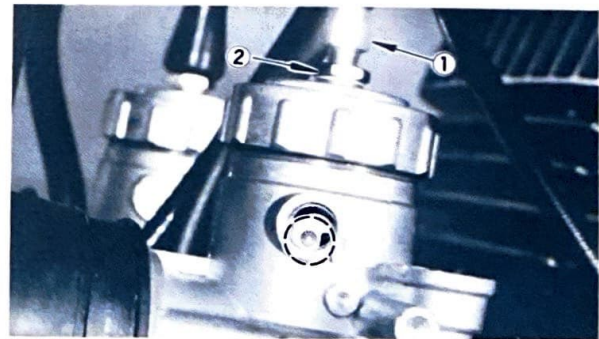
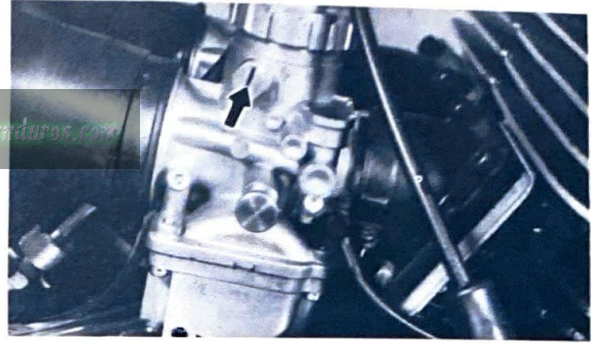
Item	
Front wheel spokes	..... Tension
Disc brake caliper assembly lock bolts	..... Tightening torque
Front brake tension plate lock bolts	..... Tightening torque
Carrier	..... Mounting, tightness
Rear wheel	..... Spoke tension
Front wheel rim	..... Hopping, deflection
Front wheel tire	..... Tire pressure
Front wheel axle nut	..... Cotter pin, tightening torque
Front wheel axle holder locknuts	..... Tightening torque
Front fork pinch bolts	..... Tightening torque
Steering head locknut	..... Tightening torque
Handlebar holder	..... Tightening torque
Clutch lever holder	..... Tightening torque
Brake lever holder	..... Tightening torque
Front flasher light	..... Mounting, wiring
Disk brake master cylinder	..... Mounting, brake fluid level, operation
Throttle housing	..... Position, operation, tightness

Engine mounting bolt	..... Tightening torque
Carburetor joint(s)	..... Tightness
Footrests	..... Position tightening torque
Change pedal	..... Position, looseness, operation
Brake pedal	..... Position, looseness, operation
Seat	..... Mounting, clevis pin, clips
Fuel tank	..... Mounting
Fuel pipe	..... Connection
Battery	..... Mounting, fluid level, wiring
Rear fender	..... Mounting
Taillight	..... Mounting, wiring
Rear flasher light	..... Mounting, wiring
Rear cushion	..... Mounting, tightening torque
Rear swing arm pivot shaft	..... Tightening torque
Rear axle nut	..... Cotter pin, tightening torque
Chain puller	..... Locknut
Rear wheel rim	..... Hopping, deflection
Rear wheel tire	..... Tire pressure
Transmission	..... Oil level
Engine oil	..... Oil level

Adjustments

Carburetor (throttle opening) adjustment

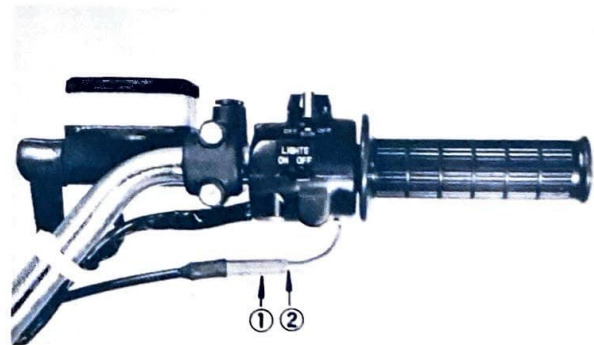
1. Remove the bolts from the throttle opening adjusting ports of both right and left carburetors, and fully turn the throttle grip out.
2. Adjust the marks on the throttle slides in both carburetors to the positions as illustrated.
 - a. Loosen the locknuts.
 - b. By turning the adjusters in or out, adjust the throttle slides position correctly.
 - c. Tighten the locknuts.
3. Turn the throttle grip in once, and fully open it again. With the throttle grip in this position, check the position of each throttle slides.



1. Adjusting bolt
2. Locknut

Throttle wire adjustment

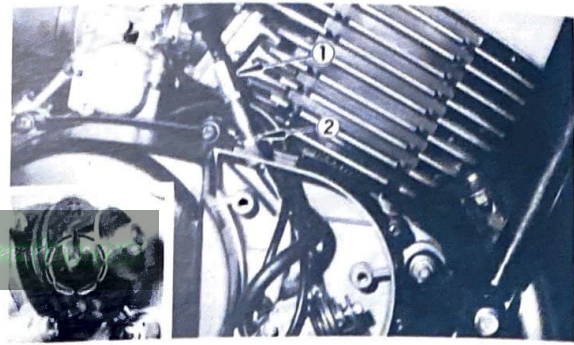
1. Check to see that the throttle grip has a play of 3 ~ 6 mm (in the turning direction) at the throttle grip flange.
2. If the play is more or less than specified, loosen the locknut and turn the adjusting nut to make the necessary adjustment.
3. After adjusting be sure to tighten the locknut properly.



1. Adjusting nut
2. Locknut

Pump wire adjustment

1. Remove pump cover.
2. Open throttle slightly to take up all play.
3. Loosen wire adjuster lock nut and turn adjuster in or out until the proper mark on the adjusting pulley is aligned with the guide pin.



Brake pedal position adjustment

Set the brake pedal position as illustrated.

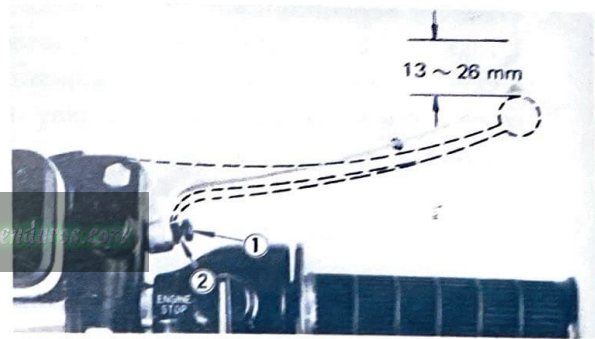
1. Loosen the adjuster locknut.
2. By turning the adjuster to the right or to the left, adjust the brake pedal position so that its top end is 5 mm below the footrest top end.
3. Tighten the locknut.



1. Adjusting bolt
2. Locknut

Brake adjustment

The brake can be adjusted by simply adjusting the distance that the brake lever or pedal can travel since the piston in the wheel cylinder moves forward as the brake pad wears out, automatically adjusting the clearance between the brake pad and the brake disc.



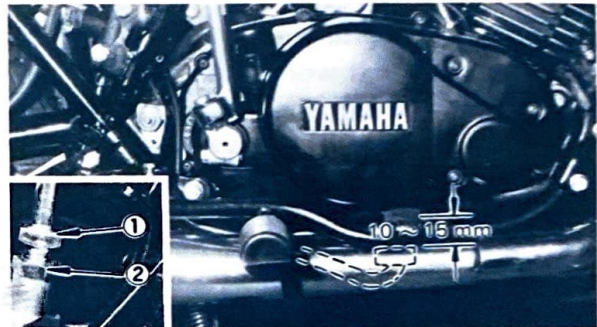
1. Adjuster
2. Locknut

A. Front brake

1. Loosen the adjust screw locknut at the brake lever.
2. Turn the screw so that the brake lever trip moves 13 ~ 26 mm.
3. After adjusting, tighten the locknut.

B. Rear brake

1. Loosen the adjuster locknut.
2. Turn the adjuster so that the brake pedal moves 10 ~ 15 mm.
3. After adjusting, tighten the locknut.



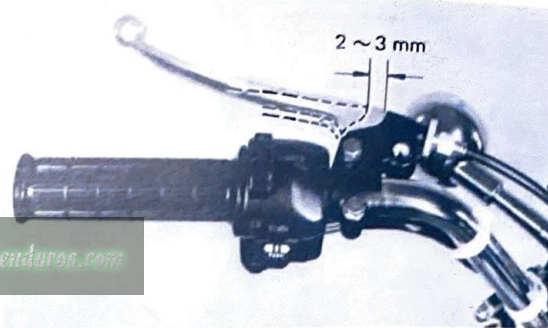
1. Adjuster
2. Locknut

Clutch adjustment

This model has two clutch cable length adjusters and a clutch mechanism adjuster. Cable length adjusters are used to take up slack from cable stretch and to provide sufficient free play for proper clutch operation under various operating conditions. The clutch mechanism adjuster is used to provide the correct amount of clutch "throw" for proper disengagement. Normally, once the mechanism is properly adjusted, the only adjustment required is maintenance of free play at the clutch handle lever.

1. Freeplay adjustment

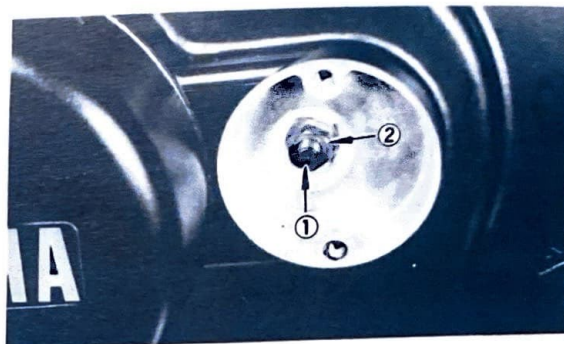
Loosen the handle lever adjuster locknut. Next, turn the length adjuster in or out until proper lever free play is achieved.



2. Mechanical adjustment

To second adjustment is located behind the adjusting cover. Removing the cover will expose the adjusting set screw and locknut.

Loosen the locknut, rotate the set screw in until it lightly seats against a clutch push rod that works with the set screw to out 1/4 turn and tighten the locknut. This adjustment must be checked because heat and clutch wear will affect this free play, possibly enough to cause incomplete clutch operation. Recheck clutch cable adjustment at handlebar after adjusting.



1. Adjusting screw
2. Locknut

Service specifications

SERVICE DATA

ITEM		SERVICE STANDARDS
Engine:	Ignition timing (BTDC) Ignition point gap	2.3 ± 0.15 mm (0.1 ± 0.006 in) 0.3 ~ 0.4 mm (0.012 ~ 0.016 in)
Autolube:	Minimum pump stroke (at idle) Maximum pump stroke (at full throttle)	0.20 ~ 0.25 mm (0.008 ~ 0.01 in) 2.05 ~ 2.27 mm (0.08 ~ 0.09 in)
Carburetor:	Main jet Jet needle/Clip position Air screw/(Turns out) Idling engine speed	#120 5L3-2 1-1/2 1,150 ± 50 rpm
Fuel tank:	Capacity	13 lit (3.43 gal)
Engine oil tank:	Capacity	1.8 lit (0.48 gal)
Transmission:	Gear oil capacity	1,500 ± 50 cc (1.58 ± 0.053 qt)
Front fork:	Oil quantity	155 cc (5.24 oz)
Tire pressure:	Front Rear	1.8 kg/cm ² (25 psi) 2.0 kg/cm ² (28 psi)
Battery:	Type Capacity Charging rate	AYT2-12 12V, 55AH 0.55A × 10 hours

Torque specifications

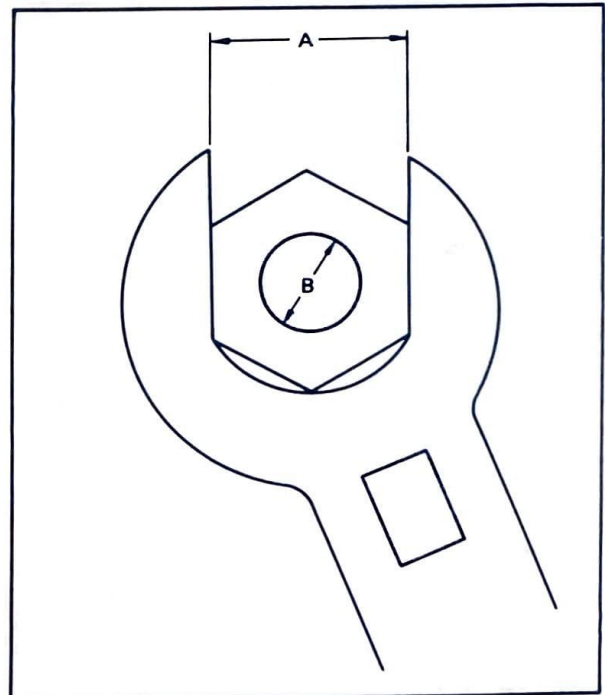
The following torque specifications must be adhered to on every machine. Components with several studs should be tightened in gradual stages and in a pattern that will avoid warpage to the item being secured.

Torque settings are for dry, clean threads. Torquing should always be done to the nut, never the bolt head.

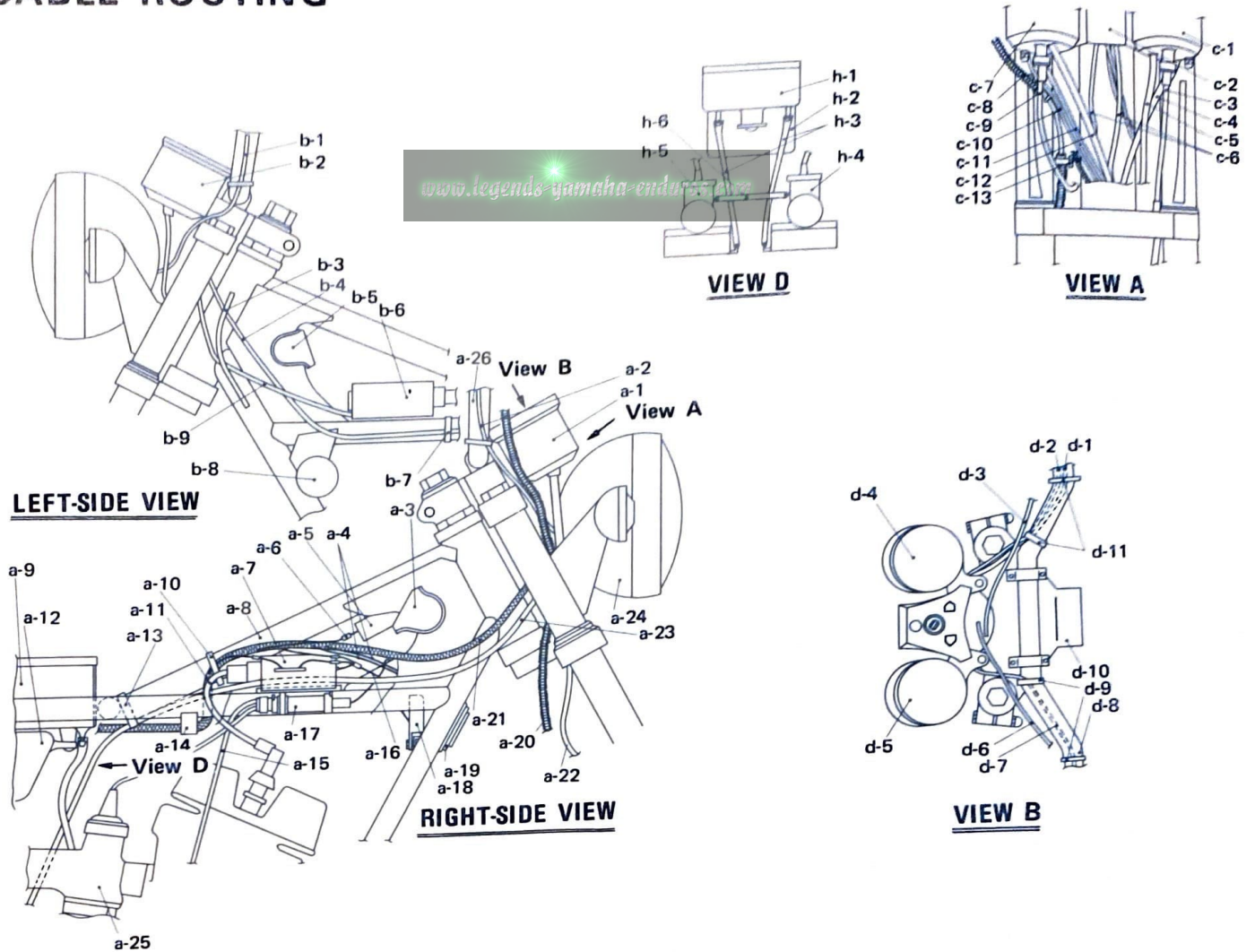
NOTE:

Certain items with other than standard thread pitches may require differing torque. Consult the model Service Manual or distributor if a question arises.

A (NUT)	B (BOLT)	TORQUE SPECIFICATIONS		
		m-kg	ft-lb	in-lb
10 mm	6 mm	1.0	7.2	85
12 mm	8 mm	2.0	15	175
14 mm	10 mm	3.5 ~ 4.0	25 ~ 29	300 ~ 350
17 mm	12 mm	4.0 ~ 4.5	29 ~ 33	350 ~ 400
19 mm	14 mm	4.5 ~ 5.0	33 ~ 36	400 ~ 440
22 mm	16 mm	5.6 ~ 6.5	41 ~ 49	480 ~ 570
24 mm	18 mm	5.8 ~ 7.0	42 ~ 50	504 ~ 600
27 mm	20 mm	7.0 ~ 8.3	50 ~ 60	600 ~ 700



CABLE ROUTING

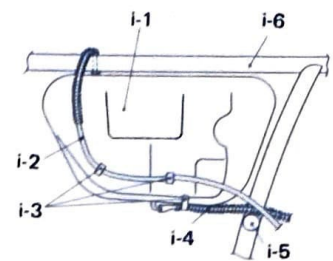
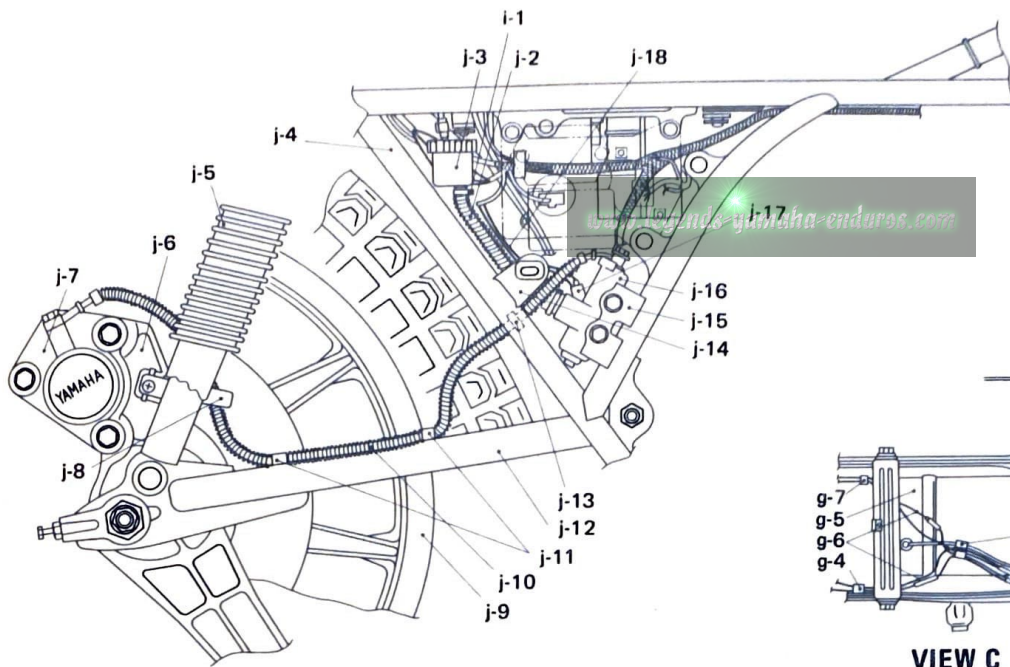


- a- 1 Tachometer assembly
- a- 2 Handle switch lead wire (R)
- a- 3 Tank fitting front holder
- a- 4 Horn lead wire
- a- 5 Canceling unit
- a- 6 Canceling unit lead wire
- a- 7 Ignition coil assembly
- a- 8 Main pipe
- a- 9 Air cleaner (1)
- a-10 Band
- a-11 High tension cord
- a-12 Silencer box (1)
- a-13 Band
- a-14 Clamp
- a-15 Pump wire
- a-16 Resistor lead wire
- a-17 Wire cylinder assembly
- a-18 Resistor assembly
- a-19 Horn assembly
- a-20 Brake hose
- a-21 Wire harness assembly
- a-22 Speedometer cable assembly
- a-23 Tachometer cable assembly
- a-24 Head light assembly
- a-25 Carburetor assembly
- a-26 Handle

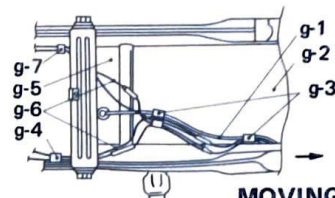
- b- 1 Handle switch lead wire (L)
- b- 2 Speedometer assembly
- b- 3 Wire guide
- b- 4 Clutch wire
- b- 5 Tank fitting front holder
- b- 6 Ignition coil assembly
- b- 7 Band
- b- 8 Reflector
- b- 9 Throttle wire 1

- c- 1 Speedometer assembly
- c- 2 Main switch assembly
- c- 3 Speedometer cable assembly
- c- 4 Handle switch lead wire (L)
- c- 5 Speedometer lead wire
- c- 6 Main switch lead wire
- c- 7 Tachometer assembly
- c- 8 Brake hose
- c- 9 Tachometer cable assembly
- c-10 Front stop switch lead wire
- c-11 Handle switch lead wire (R)
- c-12 Tachometer lead wire
- c-13 Wire harness assembly

- d- 1 Handle switch lead wire (R)
- d- 2 Front stop switch lead wire
- d- 3 Throttle wire 1
- d- 4 Tachometer assembly
- d- 5 Speedometer assembly
- d- 6 Clutch wire
- d- 7 Handle switch lead wire (L)
- d- 8 Handle
- d- 9 Band
- d-10 Handle crown
- d-11 Band

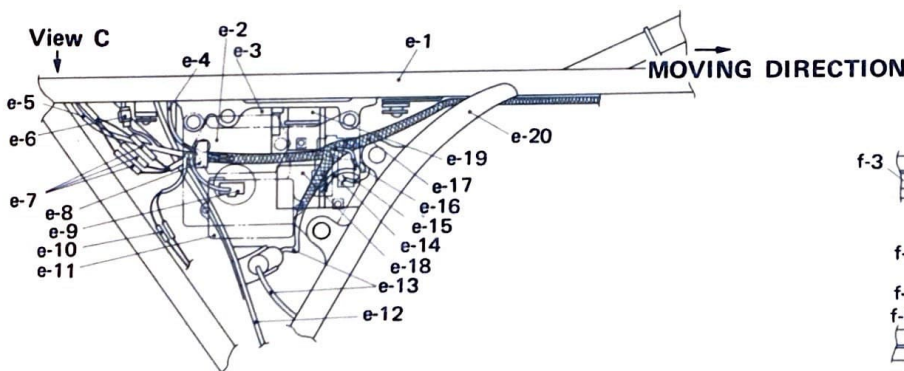


BACK-SIDE VIEW OF OIL TANK

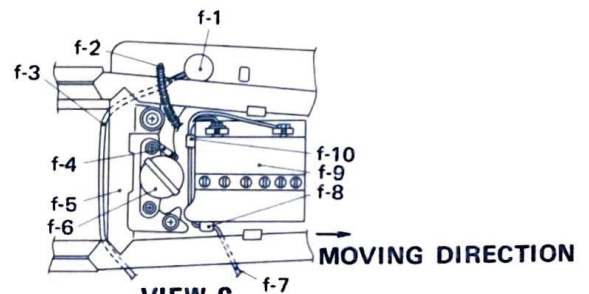


MOVING DIRECTON

VIEW C



RIGHT-SIDE VIEW



MOVING DIRECTION

VIEW C

- | | | | |
|---------------------------------|---------------------------------|----------------------------------|---------------------------------|
| e- 1 Tank rail (R) | f- 1 Oil level switch | h- 1 Air cleaner case (1) | j- 1 Reserve hose clamp |
| e- 2 Regulator | f- 2 Oil tank breather pipe | h- 2 Silencer box (1) | j- 2 Reserve hose |
| e- 3 Battery box | f- 3 Oil level switch lead wire | h- 3 Hose | j- 3 Reserve tank |
| e- 4 Battery lead wire | f- 4 Hose clamp | h- 4 Carburetor assembly (Left) | j- 4 Back stay |
| e- 5 Rear flasher lead wire | f- 5 Cross tube (3) | h- 5 Carburetor assembly (Right) | j- 5 Rear shock absorber |
| e- 6 Oil level switch lead wire | f- 6 Oil tank cap | h- 6 Joint pipe | j- 6 Caliper bracket |
| e- 7 Tail light lead wire | f- 7 Battery lead wire | | j- 7 Caliper assembly |
| e- 8 Band | f- 8 Clamp | | j- 8 Brake hose holder |
| e- 9 Flasher relay | f- 9 Battery | | j- 9 Rear wheel |
| e-10 Rear stop switch lead wire | f-10 Clamp | | j-10 Brake hose |
| e-11 Fuse box | | | j-11 Brake hose holder |
| e-12 Battery over folw hose | g- 1 Tail light lead wire | i- 1 Oil tank | j-12 Rear arm complete |
| e-13 A. C. G lead wire | g- 2 Mud guard | i- 2 Oil tank breather pipe | j-13 Brake hose holder |
| e-14 Fuse lead wire | g- 3 Clamp | i- 3 Clamp | j-14 Side cover bracket |
| e-15 Rectifier lead wire | g- 4 Clamp (Rear stay) | i- 4 Oil pipe | j-15 Master cylinder bracket |
| e-16 Regulator lead wire | g- 5 Rear fender | i- 5 Cross tube (5) | j-16 Master cylinder |
| e-17 Wire harness assembly | g- 6 Rear flasher lead wire | i- 6 Tank rail (L) | j-17 Stop switch assembly |
| e-18 Silencer box (2) | g- 7 Clamp (Rear stay) | | j-18 Rear stop switch lead wire |

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