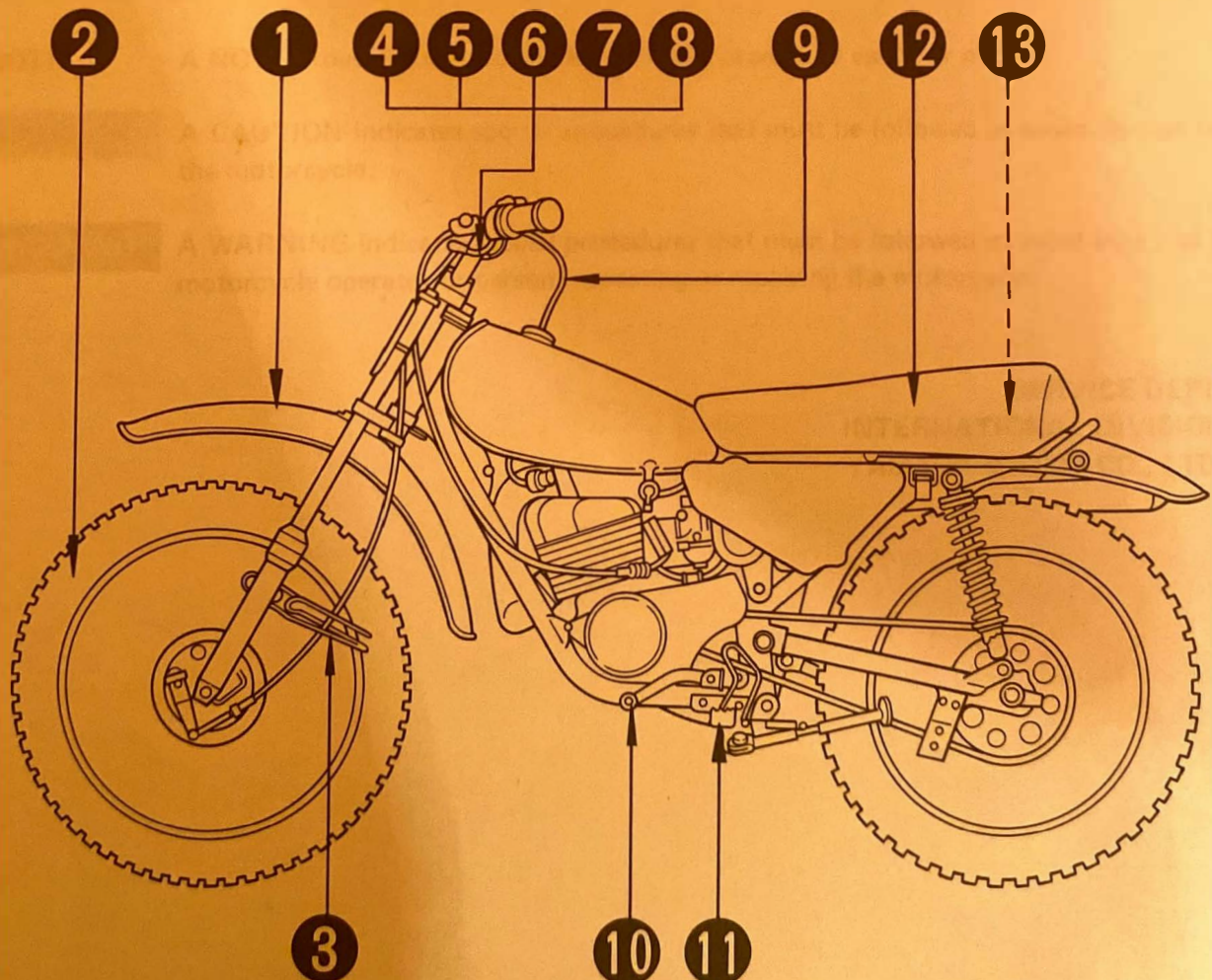




YAMAHA

MX100K

SUPPLEMENTARY ASSEMBLY MANUAL



FORWARD

This Supplementary assembly manual has been prepared to introduce the setup procedures and pre-delivery service for the MX100K.

For complete information, it is necessary to use the MX/DT/TT/XT/SR series Basic assembly manual (LIT-11666-03-86) 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 motorcycle and/or rider.

CONCERNING CRATE DAMAGE:

Follow the instructions in the Dealer warranty handbook, Procedure section.

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 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.

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

www.legends-yamaha-enduros.com

MX100K SUPPLEMENTARY ASSEMBLY MANUAL

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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 asterisk (*) parts are temporarily fitted on the motorcycle.

SETUP PROCEDURES

NOTE:

Please read the following chapters in the Basic assembly manual before proceeding to the set-up.

CHAPTER 1: INTRODUCTION

CHAPTER 2: SETUP AND PREDELIVERY CHECK

CHAPTER 3: TOOLS AND TORQUE SPECIFICATIONS

CHAPTER 4: CRATES

CHAPTER 5: INSTALLATION PROCEDURES

Parts list

No.	Part name	Q'ty	Locating mark	Remarks
1. Front fender 5 F.F-C				
1	Front fender	1	S	
2	Hexagon bolt with spring washer	4	V	d = 6 mm (0.24 in) ℓ = 14 mm (0.55 in)
3	Plain washer	4	V	d = 6 mm (0.24 in)
4	Hexagon nut	4	V	d = 6 mm (0.24 in)
2. Front wheel 5 F.W-A				
1	Front wheel	1	S	
2	Front wheel axle	1	*	d = 10 mm (0.39 in)
3	Wheel axle collar	1	V	d = 10 mm (0.39 in)
4	Front brake shoe plate assembly	1	S	
5	Front brake cable	1	S	
6	Plain washer	1	*	d = 10 mm (0.39 in)
7	Castle nut	1	*	d = 10 mm (0.39 in)
8	Cotter pin	1	V	d = 2 mm (0.08 in) ℓ = 20 mm (0.79 in)
3. Cable holder 5 C.H-A				
1	Cable holder	1	C	
2	Hexagon bolt with spring washer	2	V	d = 6 mm (0.24 in) ℓ = 12 mm (0.47 in)
4. Handlebar 5 H.A-B				
1	Handlebar	1	S	
2	Flange bolt	4	V	d = 8 mm (0.32 in) ℓ = 35 mm (1.4 in)
3	Upper handlebar holder	2	V	

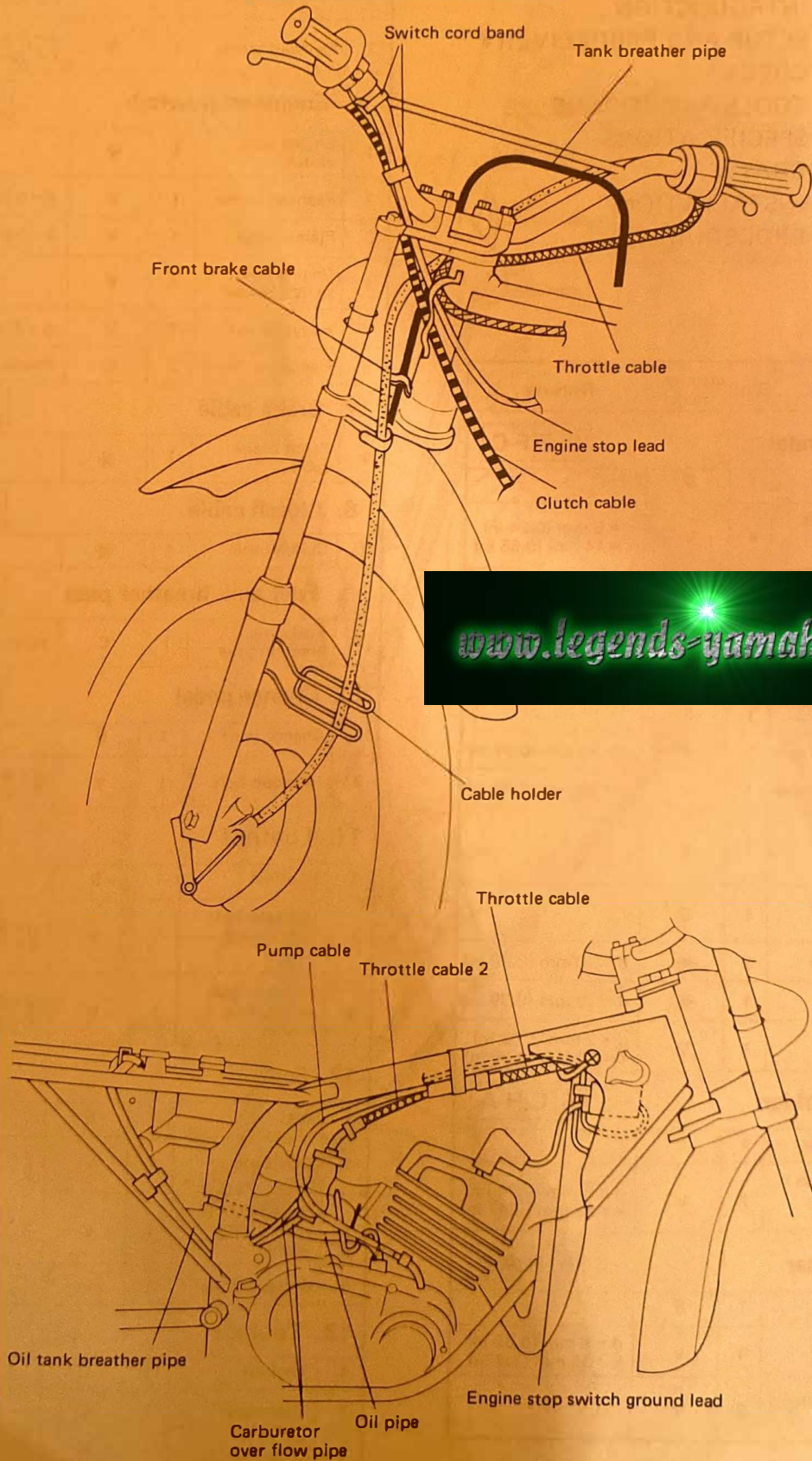
Parts list

No.	Part name	Q'ty	Locating mark	Remarks
5. Throttle grip 5 T.G-D				
1	Throttle grip	1	*	
2	Panhead screw	1	*	d = 5 mm (0.2 in) ℓ = 20 mm (0.79 in)
3	Panhead screw	1	*	d = 5 mm (0.2 in) ℓ = 20 mm (0.79 in)
6. Engine stop switch 5 E.S-B				
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	2	V	
5	Hexagon nut	1	V	d = 3 mm (0.12 in)
6	Handlebar band	2	C	Plastic
7. Brake cable 5 B.C-B				
1	Front brake cable	1	*	
8. Clutch cable 5 C.C-B				
1	Clutch cable	1	*	
9. Fuel tank breather pipe 5 F.B-B				
1	Fuel tank breather pipe	1	C	Rubber
10. Change pedal 5 C.P-A				
1	Change pedal	1	S	
2	Hexagon bolt	1	V	d = 6 mm (0.24 in) ℓ = 20 mm (0.79 in)
11. Footrest 5 F.R-B				
1	Footrest	1	S	
2	Hexagon bolt with spring washer	1	V	d = 8 mm (0.32 in) ℓ = 20 mm (0.79 in)
3	Hexagon bolt with spring washer	1	V	d = 8 mm (0.32 in) ℓ = 16 mm (0.63 in)
12. Seat 5 S.T-B				
1	Seat	1	S	
2	Clevis pin	1	V	d = 5 mm (0.2 in) ℓ = 100 mm (3.9 in)
3	Hexagon bolt with spring washer	1	V	d = 6 mm (0.24 in) ℓ = 12 mm (0.47 in)
4	Stopper plate	1	V	
13. Tool kit 5 T.R-B				
1	Tool kit	1	C	
2	Tool cover	1	C	
3	Tool band	1	C	Rubber

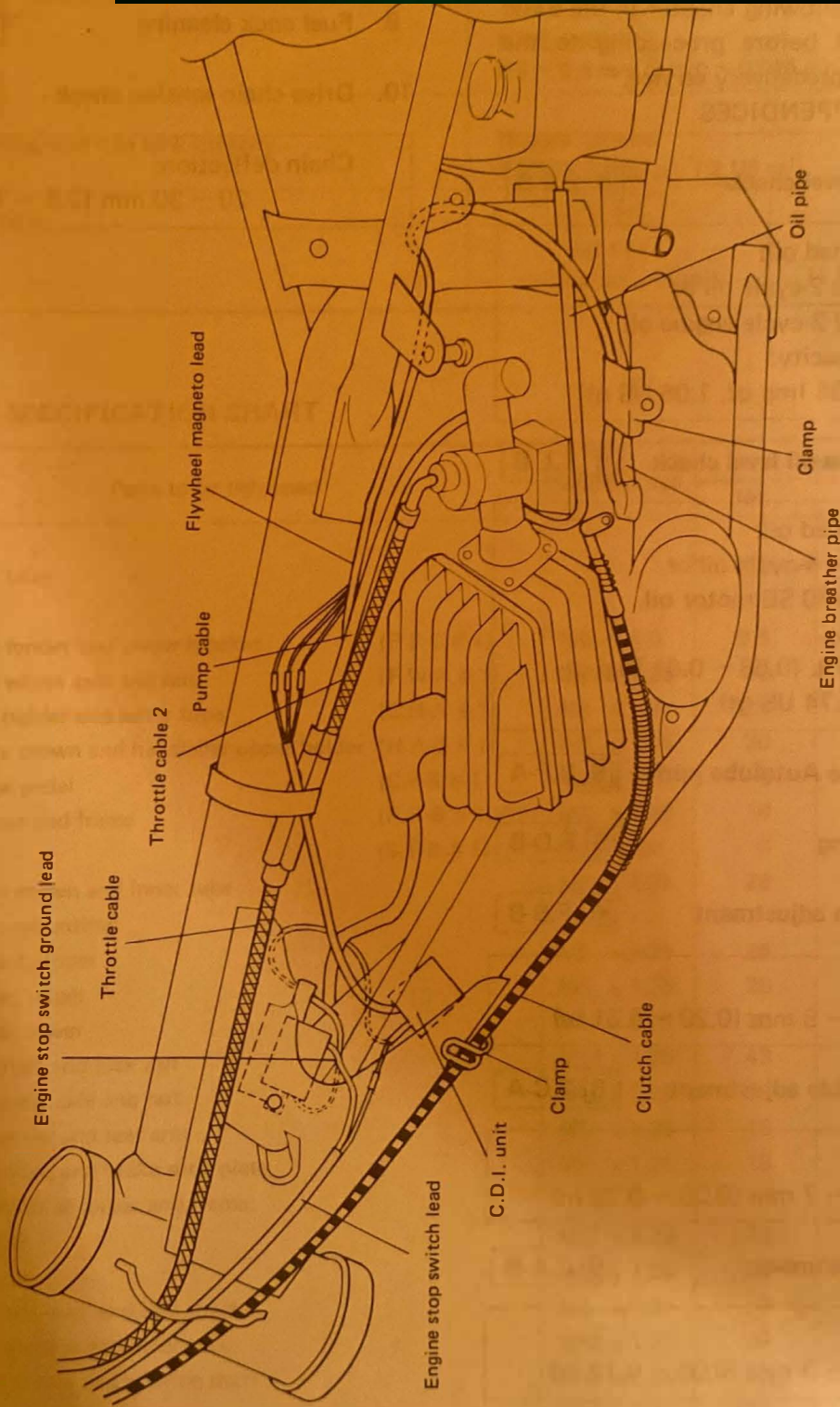
CABLE ROUTING

CAUTION:

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



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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. Engine oil level check 6 2.E-B

Recommended oil:

Yamalube 2-cycle oil or
air cooled 2-cycle engine oil

Oil tank capacity:

1.0 L (0.88 Imp qt, 1.06 US qt)

2. Transmission oil level check 6 T.L-B

Recommended oil:

Yamalube 4-cycle oil or
SAE 10W30 SE motor oil

Oil capacity:

0.6 ~ 0.7 L (0.53 ~ 0.61 Imp qt,

0.64 ~ 0.74 US qt)

3. Bleeding the Autolube pump 6 B.P-A

4. Fuel draining 6 F.D-B

5. Front brake adjustment 6 F.B-B

Free play:

5 ~ 8 mm (0.20 ~ 0.31 in)

6. Throttle cable adjustment 6 T.C-A

Free play:

5 ~ 7 mm (0.20 ~ 0.28 in)

7. Clutch adjustment 6 C.A-B

Free play:

2 ~ 3 mm (0.08 ~ 0.12 in)

8. Rear brake adjustment 6 R.B-A

Free play:

20 ~ 30 mm (0.8 ~ 1.2 in)

9. Fuel cock cleaning 6 F.C-A

10. Drive chain tension check 6 D.C-E

Chain deflection:

20 ~ 30 mm (0.8 ~ 1.2 in)

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APPENDICES

SERVICE DATA

Idling engine speed	As desired	
Spark plug: Type Gap	B7ES (NGK) 0.5 ~ 0.6 mm (0.020 ~ 0.024 in)	
Fuel: Recommended fuel tank capacity	Regular gasoline 4.5 L (1.0 Imp gal, 1.2 US gal)	
Tire pressure:	<div style="border: 1px solid black; padding: 2px; display: inline-block;">Front</div> 98.1 kPa (1.0 kg/cm ² , 14 psi)	<div style="border: 1px solid black; padding: 2px; display: inline-block;">Rear</div> 118 kPa (1.2 kg/cm ² , 18 psi)

TORQUE SPECIFICATION CHART

Parts to be tightened	Bolt/nut size	Tightening torque		
		Nm	m·kg	ft·lb
Engine:				
Spark plug		25	2.5	18
Chassis:				
Front fender and under bracket (F.F-C # 1)	M6 x 1.0	3.5	0.35	2.5
Front wheel axle and nut (F.W-A # 1)	M12 x 1.25	43	4.3	31
Cable holder and outer tube (C.H-A # 1)	M6 x 1.0	3.5	0.35	2.5
Handle crown and handlebar upper holder (H.A-B # 1)	M8 x 1.25	20	2.0	14
Change pedal (C.P-B # 1)	M6 x 1.0	6	0.6	4.3
Footrest and frame (F.R-B # 1, #2)	M8 x 1.25	18	1.8	13
Seat (S.T-B # 1)	M6 x 1.0	6	0.6	4.3
Handle crown and inner tube	M8 x 1.25	26	2.6	19
Engine mounting:				
Front, upper	M8 x 1.25	26	2.6	19
Rear, upper	M8 x 1.25	26	2.6	19
Rear, lower	M10 x 1.25	39	3.9	28
Pivot shaft and lock nut	M12 x 1.25	43	4.3	31
Rear wheel axle and nut	M10 x 1.25	39	3.9	28
Tension bar and rear arm	M8 x 1.25	18	1.8	13
Tension bar and brake shoe plate	M8 x 1.25	18	1.8	13
Rear shock absorber and frame:				
Upper	M12 x 1.25	39	3.9	28
Lower	M10 x 1.25	25	2.5	18
Cam shaft lever and cam shaft	M6 x 1.0	9	0.9	6.5
Under bracket and inner tube	M10 x 1.25	39	3.9	28
Handle crown and steering shaft	M14 x 1.25	65	6.5	47
Sprocket shaft and nut	M18 x 1.0	110	11	80

OWNER'S TOOL KIT

No.	Part name	Q'ty
1	Owner's tool bag	1
2	Spark plug wrench (19-21)	1
3	Spark plug wrench handle	1
4	Spanner (10-12)	1
5	Spanner (14-17)	1
6	Screwdriver grip	1
7	Screwdriver bit (Phillips-head and slotted-head)	1
8	Screwdriver grip cap	1



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