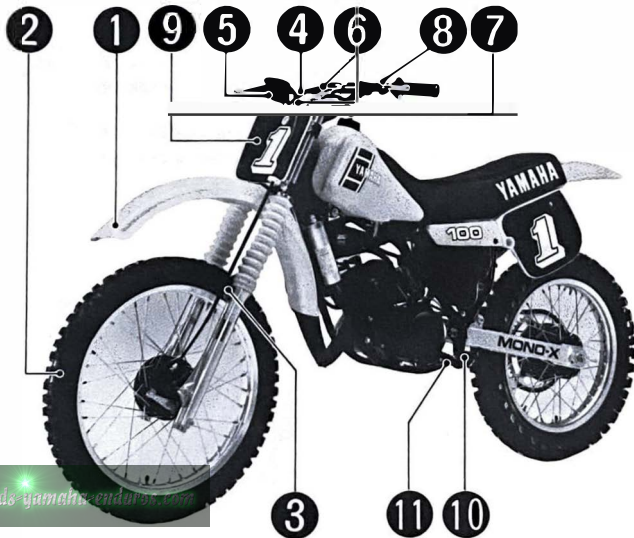




YZ100K

SUPPLEMENTARY ASSEMBLY MANUAL



YZ100K SUPPLEMENTARY ASSEMBLY MANUAL

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LIT-11666-03-78

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 machine.

FOREWORD

This Supplementary assembly manual has been prepared to introduce the setup procedures and predelivery service for the YZ100K.

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

This series 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.

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.

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

Parts list

No.	Part name	Q'ty	Locating mark	Remarks
1. Front fender 5 F.F-A				
1	Front fender	1	S	
2	Hexagon bolt with spring washer	4	V	d=6mm (0.24in), ℓ=20mm (0.79in)
3	Plain washer	4	V	d=6mm (0.24in)
4	Special washer	4	V	d=6mm (0.24 in)
2. Front wheel 5 F.W-A				
1	Front wheel	1	S	
2	Front wheel axle	1	*	d=12mm (0.47in)
3	Wheel axle collar	1	V	d=12mm (0.47in)
4	Brake shoe plate assembly	1	S	
5	Plain washer	1	*	d=12mm (0.47in) D=22mm (0.86in)
6	Castle nut	1	*	d=12mm (0.47in)
7	Cotter pin	1	V	
3. Cable holder (Left) 5 C.H-E				
1	Cable holder (Left end Right)	2	*	
2	Panhead screw with spring washer	2	*	d=6mm (0.24 in), ℓ=16mm (0.64 in)
4. Handlebar 5 H.B-A				
1	Handlebar	1	S	
2	Flange bolt	4	V	d=8mm (0.32in) ℓ=35mm (1.38in)
3	Handlebar upper holder	2	V	

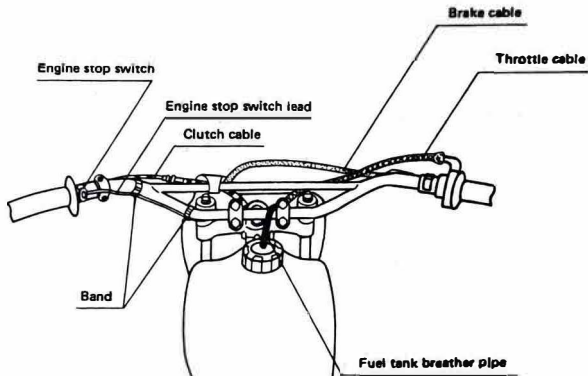
Parts list

No.	Part name	Q'ty	Locating mark	Remarks
5. Throttle grip 5 T.G-B				
1	Throttle grip	1	*	
2	Panhead screw	2	*	d=5mm (0.2in) ℓ=16mm (0.59in)
6. Brake and clutch cable 5 B.C-A				
7. Fuel tank breather pipe 5 F.B-A				
1	Fuel tank breather pipe	1	S	Rubber
8. Engine stop switch 5 E.S-B				
1	Engine stop switch	1	*	
2	Panhead screw	1	V	d=3mm (0.12in)
3	Plain washer	1	V	d=3mm (0.12 in)
4	Engine stop switch holder (Upper and Lower)	2	V	
5	Hexagon nut	1	V	d=3mm (0.12 in)
6	Handlebar band	2	S	Plastic
9. Number plate 5 N.P-A				
1	Number plate	1	S	
2	Panhead screw	1	V	d=6mm (0.24in), ℓ=16mm (0.64in)
10. Footrest (Left) 5 F.R-C				
1	Footrest (Left)	1	V	
2	Hexagon nut	1	V	d=8mm (0.32in), ℓ=28mm (1.1in)
3	Return spring	1	V	
4	Self locking nut	1	V	d=8mm (0.32in)
11. Side stand 5 S.S-B				
1	Side stand	1	S	
2	Blind plug	1	V	Rubber

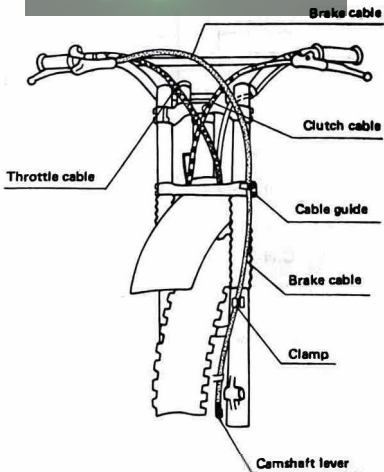
CABLE ROUTING

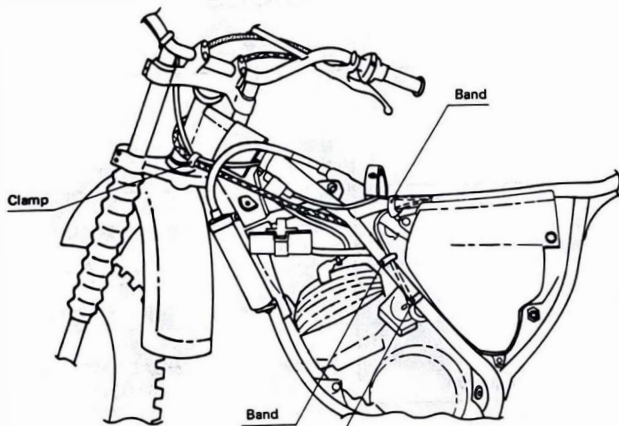
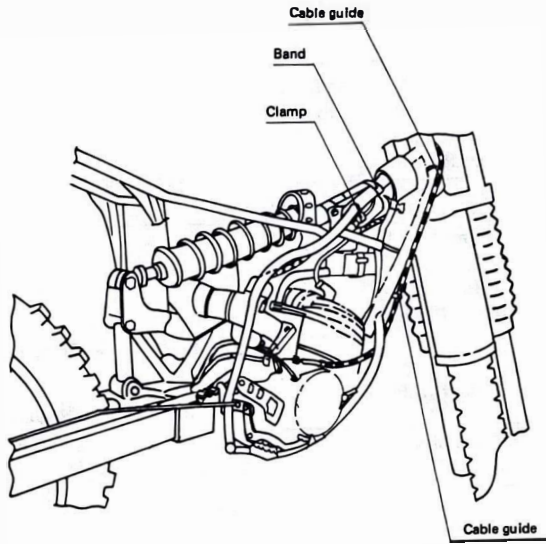
WARNING:

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 Front brake adjustment [F.B-A]

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

② Rear brake adjustment [R.B-A]

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

③ Rear brake pedal position adjustment [R.P-A]

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:
35 mm (1.47 in)

⑨ Troubleshooting [T.S-A]

APPENDICES

SERVICE DATA

Idling engine speed:	As desired
Spark plug: Type Gap	N-84 (CHAMPION) 0.5~0.6 mm (0.020~0.024 in)
Fuel: Recommended fuel Fuel tank capacity	Premium gasoline (Mixed gas 24 : 1) 8.2 L (1.8 Imp gal, 2.2 US gal)
Engine oil: Recommended oil	Yamalube Racing 2-cycle oil (See Owner's manual)
Transmission oil: Recommended oil Oil quantity (Periodic oil change)	Yamalube 4-cycle oil or SAE 10W30 motor oil 550~650 cm ³ (0.58~0.69 US qt, 0.48~0.57 Imp qt)
Tire pressure (Cold tire pressure): Front Rear	98 kPa (1.0 kg/cm ² , 14 psi) 98 kPa (1.0 kg/cm ² , 14 psi)

TORQUE SPECIFICATION CHART

Parts to be tightened	Bolt/Nut size	Tightening torque		
		Nm	m-kg	ft-lb
Engine:				
Spark plug	M14	20	2.0	14.0
Engine drain bolt	M12	20	2.0	14.0
Chassis:				
Front fender	(F.F-A #1) M6 x 1.0	6	0.6	4.3
Front wheel axle and nut	(F.W-A #1) M12 x 1.25	74	7.4	53.0
Handle crown and handlebar upper holder	(H.B-A #1) M8 x 1.25	23	2.3	17.0
Footrest	(F.R-C #1) M8 x 1.25	15	1.5	11.0
Handle crown and inner tube	M8 x 1.25	23	2.3	17.0
Handle crown and steering shaft	M14 x 1.25	59	5.9	43.0
Steering shaft securing nut	M25 x 1.0	10	1.0	7.2
Engine mounting				
Front	M8 x 1.25	30	3.0	22.0
Lower	M8 x 1.25	30	3.0	22.0
Rear wheel axle and nut	M14 x 1.5	85	8.5	61.0
Sprocket wheel mounting nut	M8 x 1.25	30	3.0	22.0
Rear shock absorber and frame	M10 x 1.25	32	3.2	23.0
Pivot shaft and nut	M16 x 1.5	85	8.5	61.0
Footrest bracket and frame (Right)	M10 x 1.25	64	6.4	46.0
Footrest bracket and frame (Right)	M12 x 1.25	88	8.8	64.0
Camshaft lever and camshaft (Front brake)	M6 x 1.0	10	1.0	7.2
(Rear brake)	M6 x 1.0	10	1.0	7.2
" L " shape arm and frame	M16 x 1.5	85	8.5	61.0
Rear shock absorber and " L " shape arm	M10 x 1.25	32	3.2	23.0
" L " shape arm and " I " shape arm	M12 x 1.25	59	5.9	43.0

OWNER'S TOOL KIT

No.	Part name	Q'ty
1	Owner's tool bag	1
2	Special spanner (19-22)	1
3	Spark plug wrench (21)	1
4	Hexagon wrench (8)	1
5	Rotor puller	1
8	Special spanner (32)	1

—MEMO—

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