

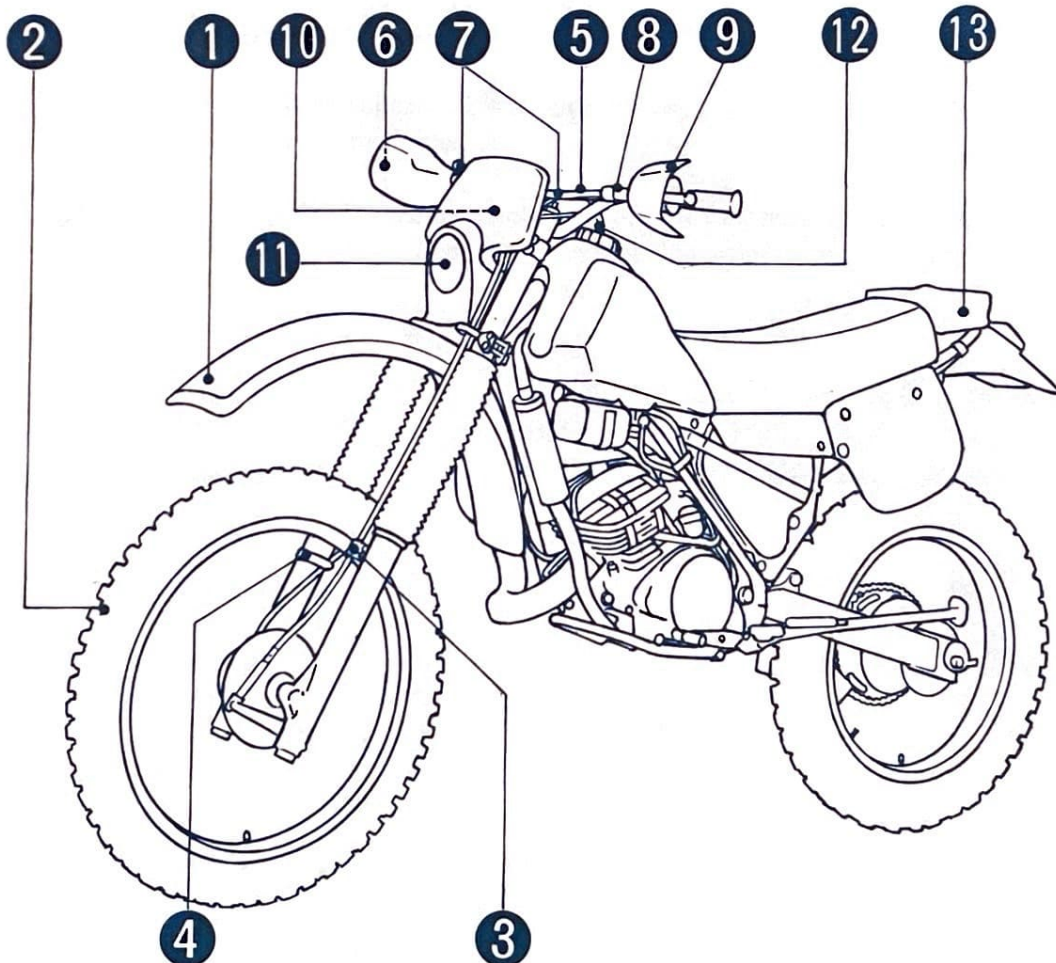


YAMAHA

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IT 175K

SUPPLEMENTARY ASSEMBLY MANUAL



FOREWORD

This Supplementary assembly manual has been prepared to introduce the setup procedures and predelivery service for the IT175K.

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.

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.

**IT175K 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 asterisked (*) parts are temporarily fitted on the machine.

SET-UP 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 (0.24in) |
| 2. Front wheel 5 F.W-D | | | | |
| 1 | Front wheel | 1 | S | |
| 2 | Front wheel axle | 1 | * | d=15mm (0.59in) |
| 3 | Speedometer hosing | 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=3mm (0.12in), ℓ=30mm (1.18in) |
| 9 | Front wheel axle holder | 1 | * | |
| 10 | Hexagon nut | 4 | * | d=6mm (0.24in) |
| 11 | Spring washer | 4 | * | d=6mm (0.24in) |
| 3. Cable holder 5 C.H-E | | | | |
| 1 | Cable holder (Left and Right) | 2 | * | |
| 2 | Panhead screw | 2 | * | d=6mm (0.24in), ℓ=15mm (0.59in) |
| 3 | Spring washer | 2 | * | d=6mm (0.24in) |

Parts list

| No. | Part name | Q'ty | Locating mark | Remarks |
|---|--|------|---------------|---------------------------------|
| 4. Cable holder (Right) 5 C.H-B | | | | |
| 1 | Cable holder | 1 | C | |
| 2 | Panhead screw | 1 | V | d=5mm (0.2in), ℓ=18mm (0.71in) |
| 3 | Plain washer | 1 | V | d=5mm (0.2in) |
| 4 | Hexagon nut | 1 | V | d=5mm (0.2in) |
| 5. Handlebar 5 H.B-A | | | | |
| 1 | Handlebar | 1 | S | |
| 2 | Falnge bolt | 4 | V | d=8mm (0.32in), ℓ=35mm (1.38in) |
| 3 | Handlebar upper holder | 2 | V | |
| 6. Throttle grip 5 T.G-B | | | | |
| 1 | Throttle grip | 1 | * | |
| 2 | Panhead screw | 2 | * | d=5mm (0.2in), ℓ=16mm (0.63in) |
| 7. Brake and clutch cable 5 B.C-A | | | | |
| 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 (0.12in) |
| 4 | Engine stop switch holder (Upper and Lower) | 2 | V | |
| 5 | Hexagon nut | 1 | V | d=3mm (0.12in) |
| 6 | Handlebar band | 2 | C | Plastic |
| 9. Bush guard 5 B.G-A | | | | |
| 1 | Bush guard (Left and Right) | 2 | C | |
| 2 | Panhead screw with spring washer | 2 | V | d=6mm (0.24in), d=16mm (0.63in) |
| 3 | Plain washer | 2 | V | d=6mm (0.24in) |
| 4 | Hexagon nut | 2 | V | d=6mm (0.24in) |
| 10. Meter assembly 5 M.A-A | | | | |
| 1 | Meter assembly | 1 | S | |
| 2 | Hexagon bolt with spring washer and plain washer | 2 | V | d=6mm (0.24in), ℓ=12mm (0.47in) |
| 11. Headlight 5 H.L-B | | | | |
| 1 | Headlight assembly | 1 | S | |
| 12. Fuel tank breather pipe 5 F.B-D | | | | |
| 1 | Fuel tank breather pipe | 1 | C | Rubber |

NOTE: _____
 On the IT175K, pass the fuel tank breather pipe through the cable holder which is provided on the right side.
 REFER TO "CABLE ROUTING".

Parts list

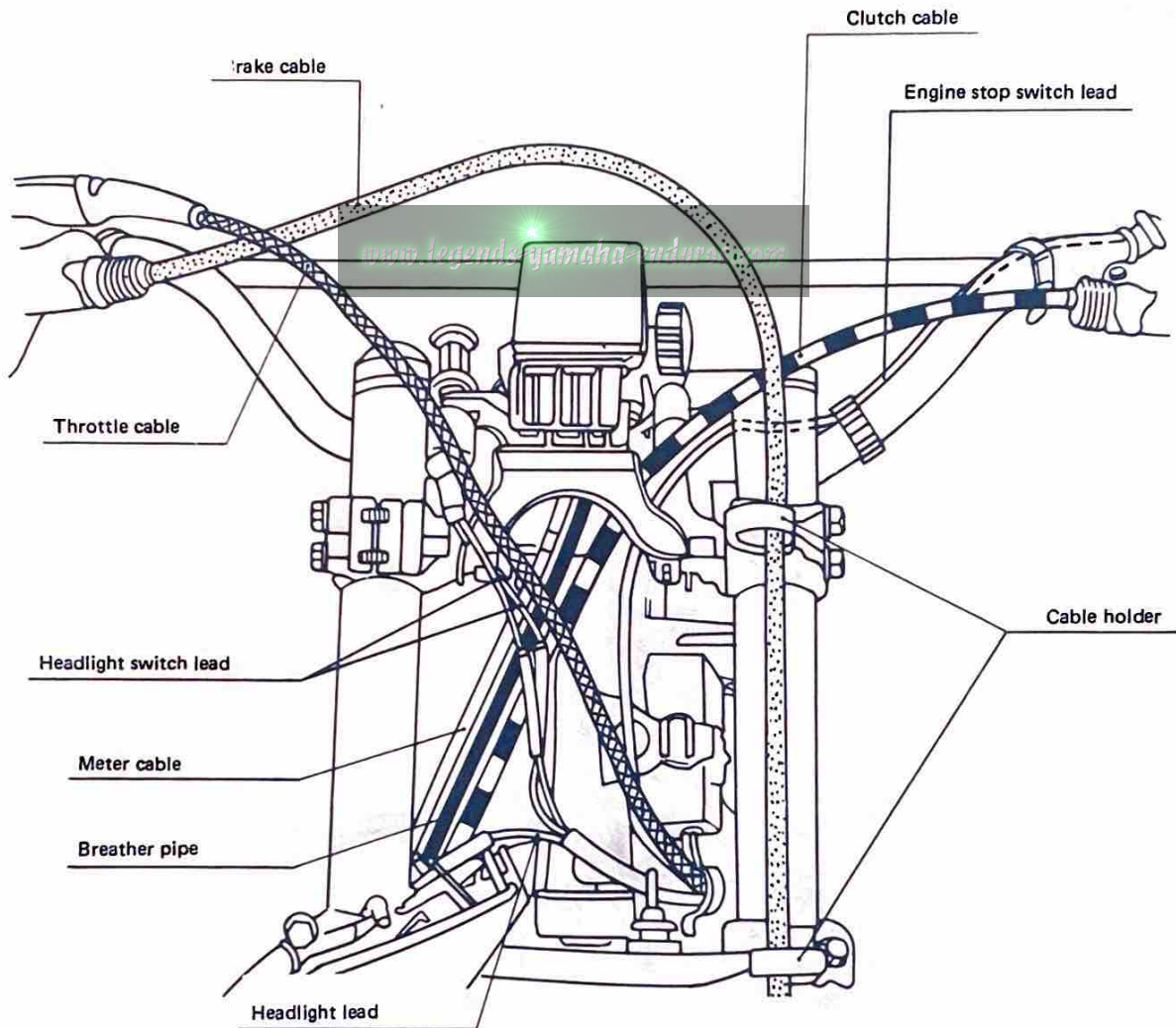
| No. | Part name | Q'ty | Locating mark | Remarks |
|---------------------|---------------------------------|------|---------------|-----------------------------------|
| 13. Tool kit | | | | 5 T.K-D |
| 1 | Carrier box | 1 | S | |
| 2 | Hexagon bolt with spring washer | 4 | V | d=6mm (0.24in) ℓ= 16mm (0.6in) |
| 3 | Plain washer | 4 | V | d=6mm (0.24in) |
| 4 | Carrier box bracket | 1 | S | |
| 5 | Plain washer | 4 | V | d=6mm (0.24in) |
| 6 | Hexagon nut | 4 | V | d=6mm (0.24in) |
| 7 | Tool kit | 1 | C | |

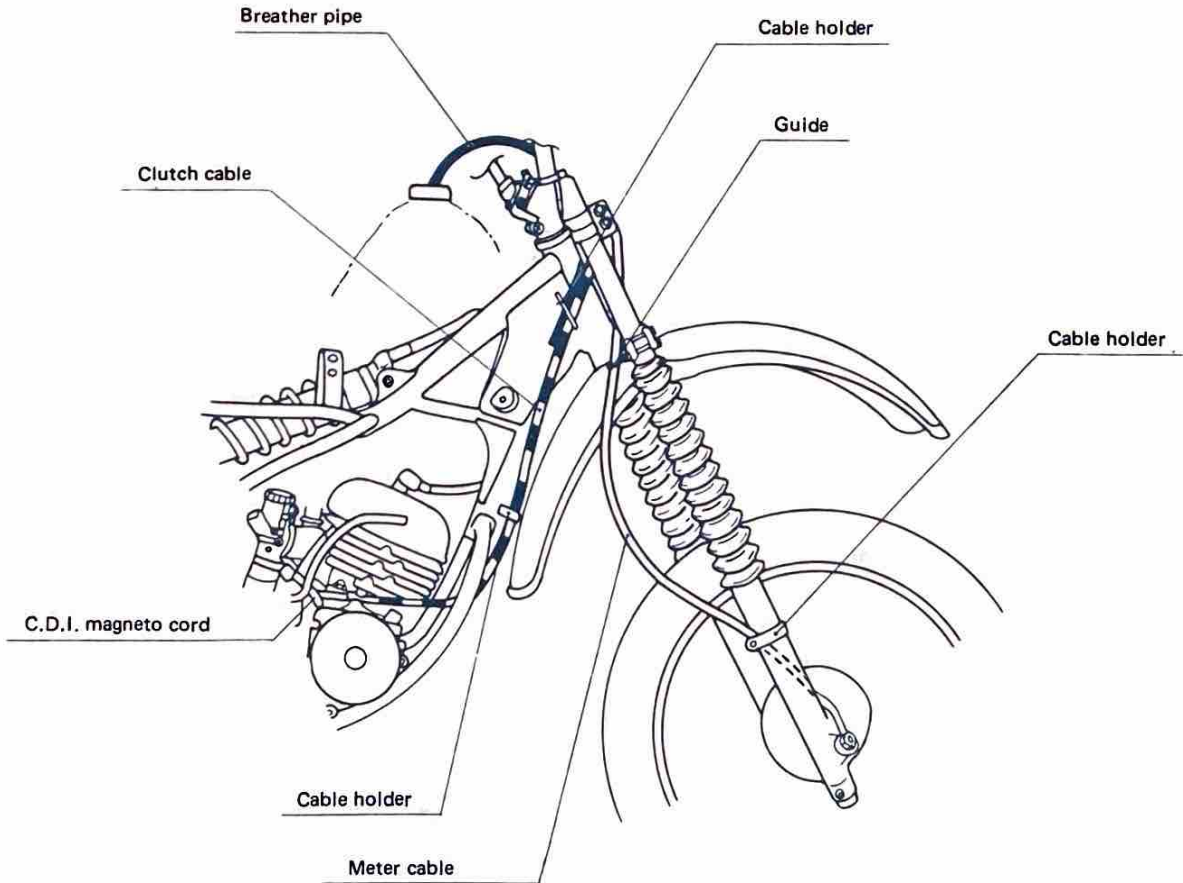
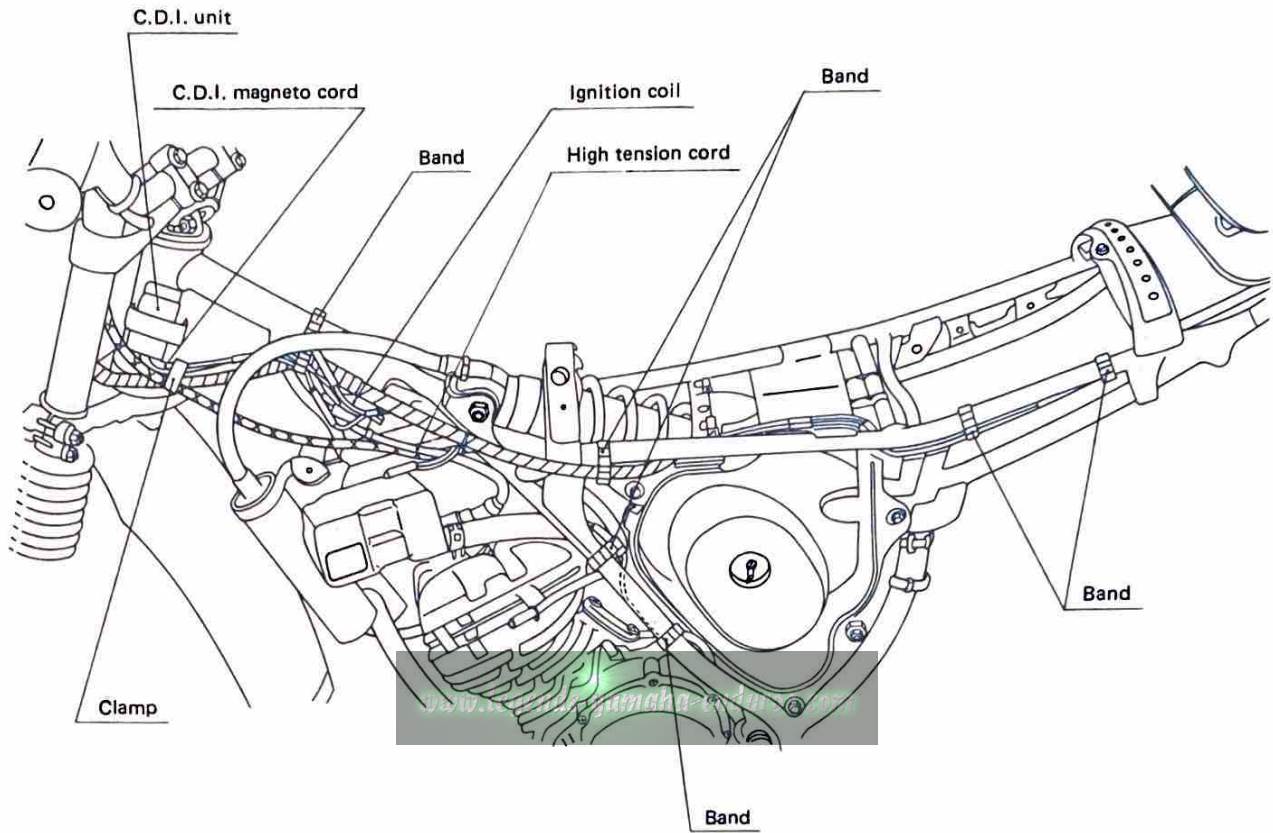
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CABLE ROUTING

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 6 F.B-A

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

② Rear brake pedal position adjustment 6 R.P-A

③ Rear brake adjustment 6 R.B-A

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

④ Clutch adjustment 6 C.A-A

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

⑤ Throttle cable adjustment 6 T.C-A

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

⑥ Fuel draining 6 F.D-A

⑦ Transmission oil level check 6 T.L-A

⑧ Drive chain tension check 6 D.C-A

Drive chain deflection:
30 mm (1.2 in)

⑨ Troubleshooting 6 T.S-A

⑩ Headlight beam adjustment 6 H.L-A

APPENDICES

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 ³ (0.63 Imp qt, 0.53 US 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 | 25 | 2.5 | 18.0 |
| Drain plug | 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-D #1) | M14 x 1.5 | 58 | 5.8 | 42.0 |
| Front wheel axle holder (F,W-D #1) | M6 x 1.0 | 20 | 1.0 | 7.2 |
| Handle crown and handlebar upper holder (H,B-A #1) | M8 x 1.25 | 23 | 2.3 | 17.0 |
| Meter assembly (M,A-A #1) | M6 x 1.0 | 10 | 1.0 | 7.2 |
| Carrier box (T,K-D #1) | M6 x 1.0 | 7 | 0.7 | 5.1 |
| 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 and ring 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 and 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 | M10 x 1.25 | 64 | 6.4 | 46.0 |
| Footrest bracket and frame | M12 x 1.25 | 88 | 8.8 | 64.0 |
| Cam shaft 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 | 31 | 3.1 | 22.0 |
| "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 | Spanner (10-12) | 1 |
| 3 | 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 |

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