

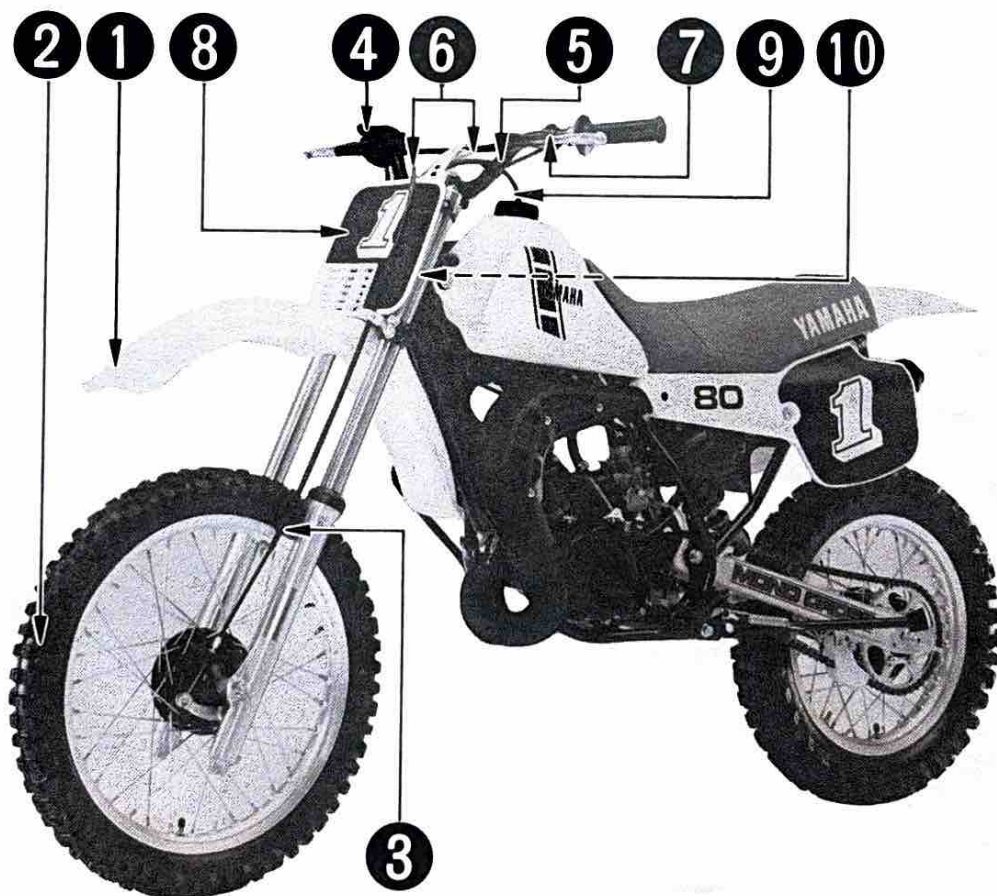


YAMAHA

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YZ80K

SUPPLEMENTARY ASSEMBLY MANUAL



FOREWORD

This Supplementary assembly manual has been prepared to introduce the setup procedures and pre-delivery service for the YZ80K.

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.

YZ80K SUPPLEMENTARY ASSEMBLY MANUAL

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1st edition, AUGUST 1982

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Printed in U.S.A.

LIT-11666-03-79

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.

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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	Qty	Locating mark	Remarks
1. Front fender F.F-E				
1	Front fender	1	S	
2	Hexagon bolt with spring washer and plain washer	4	V	d = 6 mm (0.24 in) ℓ = 20 mm (0.79 in)
3	Plate	1	V	
4	Special washer	2	V	d = 6 mm (0.24 in)
2. Front wheel F.W-G				
1	Front wheel	1	S	
2	Front wheel axle	1	*	d = 12 mm (0.47 in)
3	Plain washer	1	*	d = 12 mm (0.47 in) D = 22 mm (0.87 in)
4	Wheel axle collar	1	V	d = 12 mm (0.47 in)
5	Brake shoe plate assembly	1	S	
6	Plain washer	1	*	d = 12 mm (0.47 in) D = 22 mm (0.87 in)
7	U nut	1	*	d = 12 mm (0.47 in)
3. Cable holder C.H-D				
1	Cable holder	2	*	
2	Panhead screw	1	*	d = 6 mm (0.24 in) ℓ = 15 mm (0.59 in)
3	Spring washer	1	*	d = 6 mm (0.24 in)
4. Throttle grip T.G-B				
1	Throttle grip	1	*	
2	Panhead screw	2	*	d = 5 mm (0.20 in) ℓ = 15 mm (0.59 in)

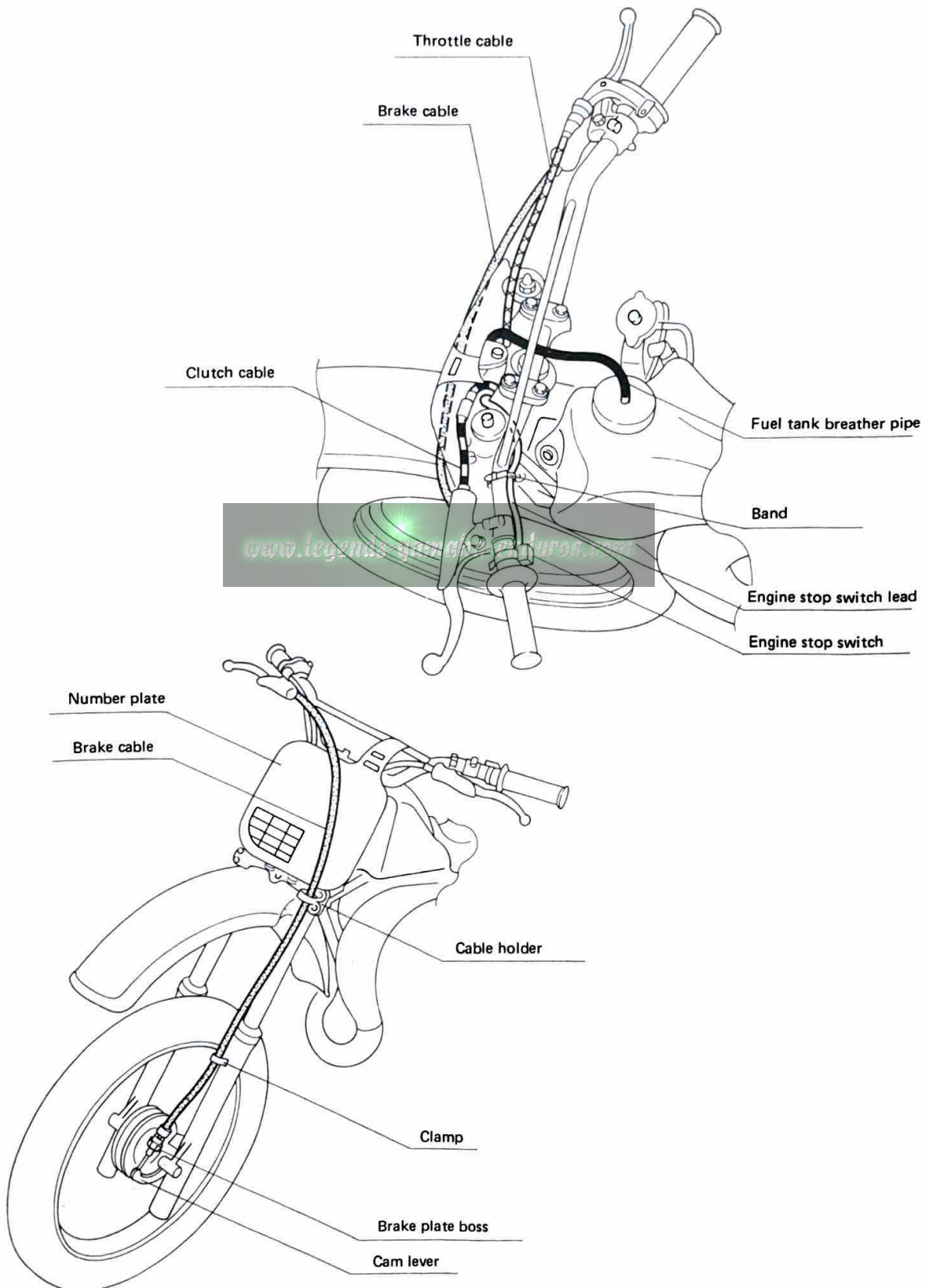
Parts list

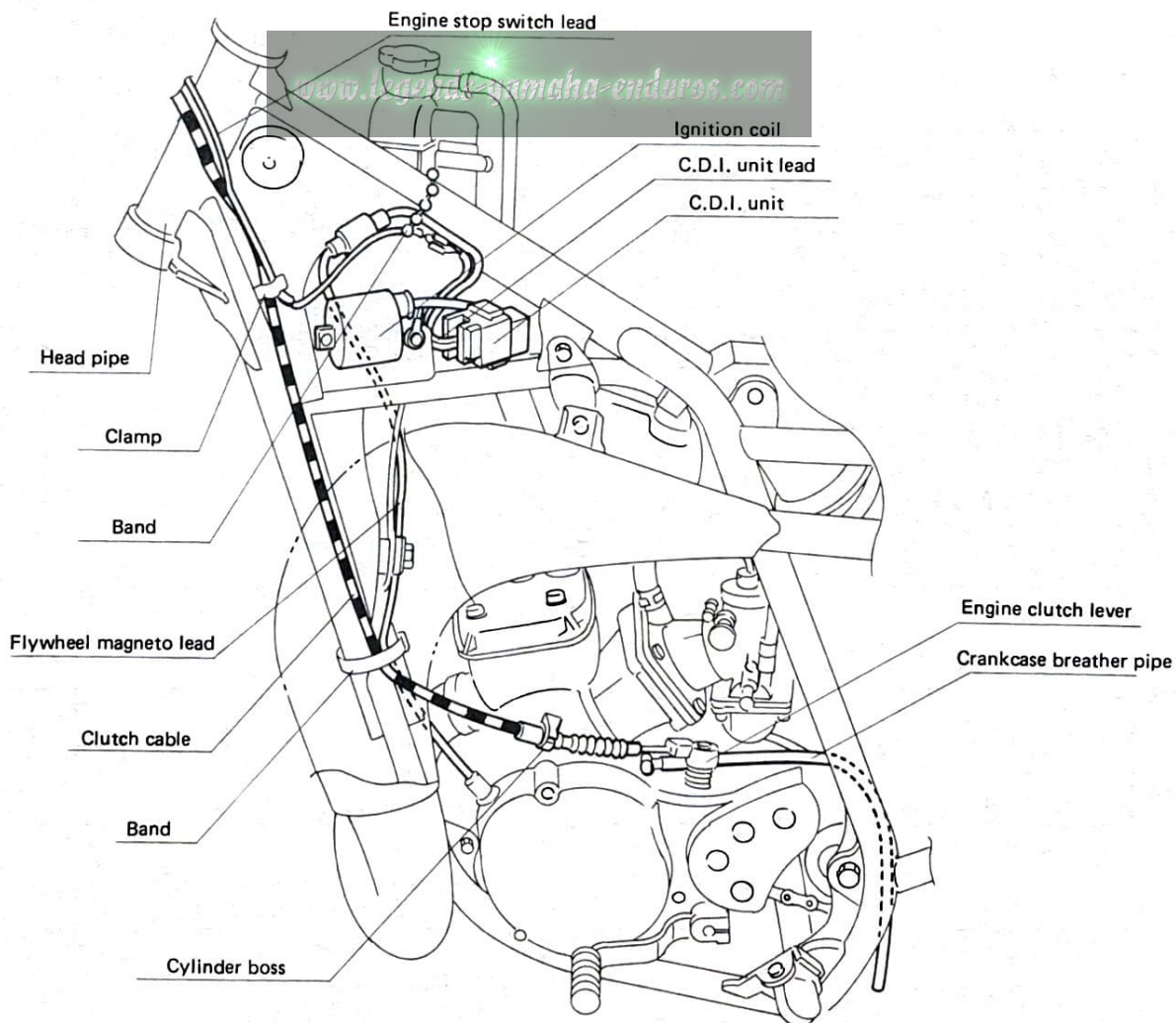
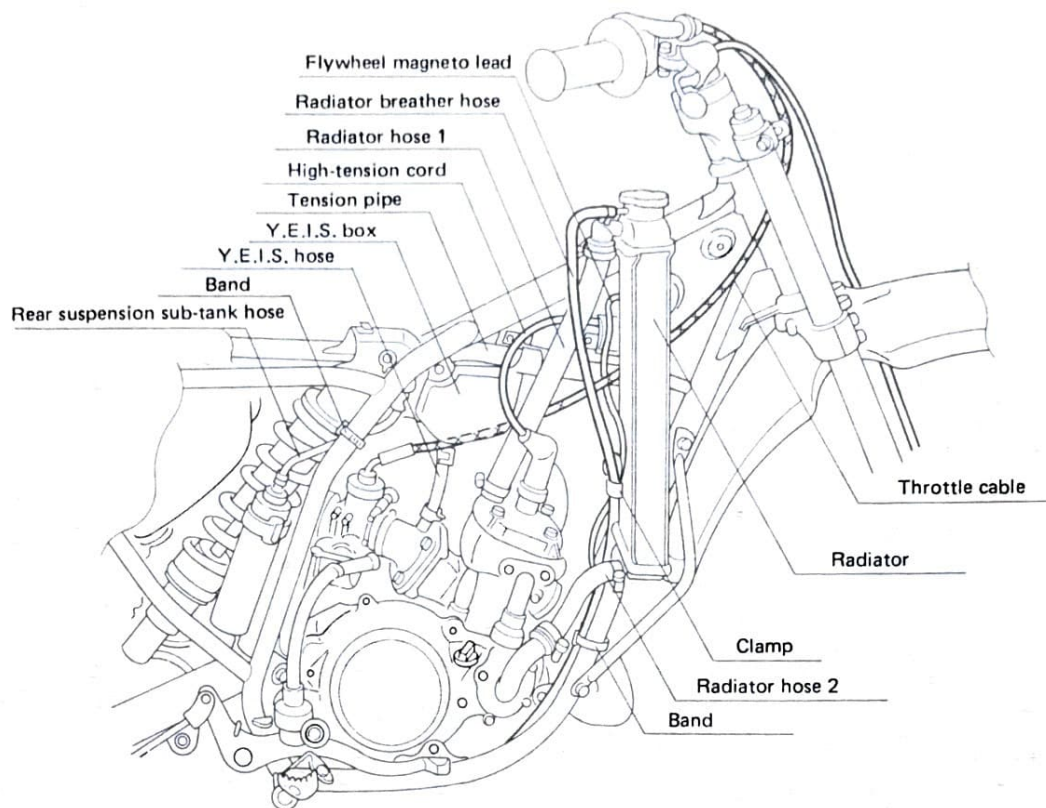
No.	Part name	Qty	Locating mark	Remarks
5. Handlebar H.B-B				
1	Handlebar	1	S	
2	Flange bolt	4	V	d = 8 mm (0.32 in) ℓ = 30 mm (1.17 in)
3	Upper handlebar holder	2	V	
6. Brake and clutch cable B.C-A				
7. Engine stop switch E.S-C				
1	Engine stop switch	1	*	
2	Panhead screw	1	V	d = 3 mm (0.12 in) ℓ = 14 mm (0.55 in)
3	Spring washer	1	V	d = 3 mm (0.12 in)
4	Engine stop switch holder (upper and lower)	2	V	
5	Handlebar band	1	V	Plastic
8. Number plate N.P-F				
1	Number plate	1	S	
2	Panhead screw with spring washer and plain washer	1	V	d = 6 mm (0.24 in) ℓ = 16 mm (0.62 in)
9. Fuel tank breather pipe F.B-A				
1	Fuel tank breather pipe	1	S	Rubber
10. Side cover S.C-D				
1	Special nut	3	V	d = 5 mm (0.20 in)
2	Radiator cover	1	S	
3	Panhead screw with spring washer and plain washer	1	V	d = 5 mm (0.20 in) ℓ = 16 mm (0.62 in)
4	Side cover	1	S	
5	Panhead screw with spring washer and plain washer	1	V	d = 5 mm (0.20 in) ℓ = 16 mm (0.62 in)
6	Panhead screw with spring washer and plain washer	1	V	d = 5 mm (0.20 in) ℓ = 22 mm (0.86 in)

CABLE ROUTING

CAUTION:

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

Free play: 5 ~ 8 mm (0.20 ~ 0.31 in)

2. Rear brake adjustment

R.B-A

Free play: 20 ~ 30 mm (0.8 ~ 1.2 in)

3. Rear brake pedal position adjustment

R.P-A

4. Clutch adjustment

C.A-A

Free play: 2 ~ 3 mm (0.08 ~ 0.12 in)

5. Throttle cable adjustment

T.C-A

Free play: 3 ~ 5 mm (0.12 ~ 0.20 in)

6. Fuel draining

F.D-A

7. Transmission oil level check

T.L-A

Recommended oil:
Yamalube 4-cycle oil or
SAE 10W30 type SE motor oil
Oil capacity:
0.675 ~ 0.725 L (0.59 ~ 0.64 Imp qt,
0.71 ~ 0.77 US qt)

8. Drive chain tension check

D.C-A

Chain deflection:
30 ~ 35 mm (1.2 ~ 1.4 in)

9. Coolant level check

C.L-A

Recommended coolant:
High quality ethylene glycol anti-freeze containing corrosion inhibitors for aluminum engine
Coolant capacity:
0.45 L (0.40 Imp qt, 0.48 US qt)
Coolant and water mixed ratio:
1 : 1 (50% water, 50% coolant)

10. Troubleshooting

T.S-A

APPENDICES

SERVICES 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 fuel with an octane rating of at least 90 (Mixing ratio; 24 : 1) 5.0 L (1.1 Imp gal, 1.3 US gal)
Engine oil: Recommended oil	Yamalube Racing 2-cycle oil (See Owner's service manual)
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 x 1.25	25	2.5	18.0
Oil drain bolt	M12 x 1.5	20	2.0	14.0
Chassis:				
Front fender (F.F-E #1)	M6 x 1.0	6	0.6	4.3
Front wheel (F.W-G #1)	M12 x 1.25	74	7.4	53.0
Handlebar (H.B-B #1)	M8 x 1.25	27	2.7	19.0
Camshaft lever and camshaft	M6 x 1.0	10	1.0	7.2
Handle crown and steering shaft	M14 x 1.25	59	5.9	43.0
Handle crown and inner tube	M8 x 1.25	18	1.8	13.0
Engine mounting: Front	M8 x 1.25	40	4.0	29.0
Lower	M8 x 1.25	40	4.0	29.0
Pivot shaft and nut	M12 x 1.25	53	5.3	38.0
Footrest bracket and frame	M10 x 1.25	50	5.0	36.0
Rear wheel axle and nut	M14 x 1.5	85	8.5	61.0
Sidestand bracket and frame	M10 x 1.25	48	4.8	35.0
Rear fender and frame	M8 x 1.25	17	1.7	12.0
Rear shock absorber and "L" shape arm	M10 x 1.25	32	3.2	23.0
Rear arm and "L" shape arm	M10 x 1.25	32	3.2	23.0
"I" shape arm and "L" shape arm	M10 x 1.25	32	3.2	23.0
Frame and "I" shape arm	M10 x 1.25	32	3.2	23.0

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	Special spanner	1
5	Rotor puller	1

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