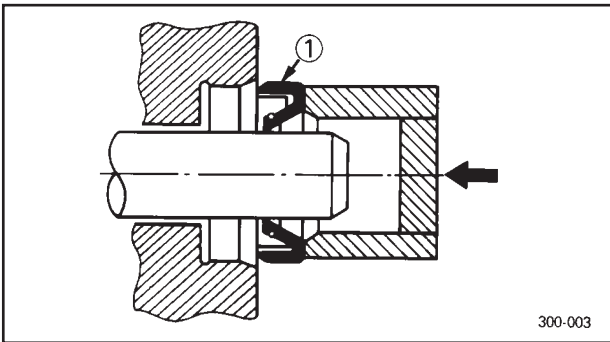


EB101030

LOCK WASHERS/PLATES AND COTTER PINS

1. Replace all lock washers/plates ① and cotter pins after removal. Bend lock tabs along the bolt or nut flats after the bolt or nut has been tightened to specification.



EB101040

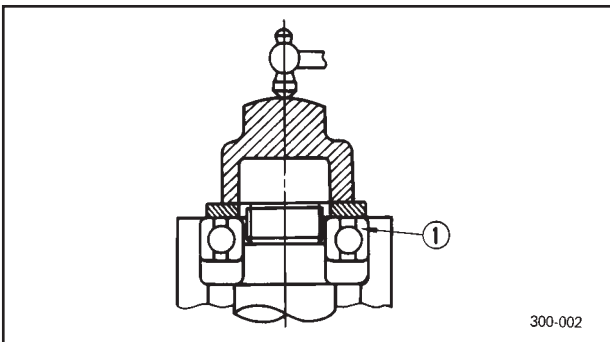
BEARINGS AND OIL SEALS

1. Install bearings and oil seals so that the manufacturer's marks or numbers are visible. When installing oil seals, apply a light coating of lightweight lithium base grease to the seal lips. Oil bearings liberally when installing, if appropriate.

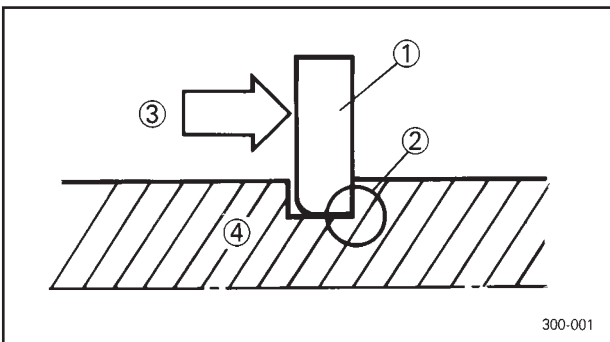
① Oil seal

CAUTION:

Do not use compressed air to spin the bearings dry. This will damage the bearing surfaces.



① Bearing

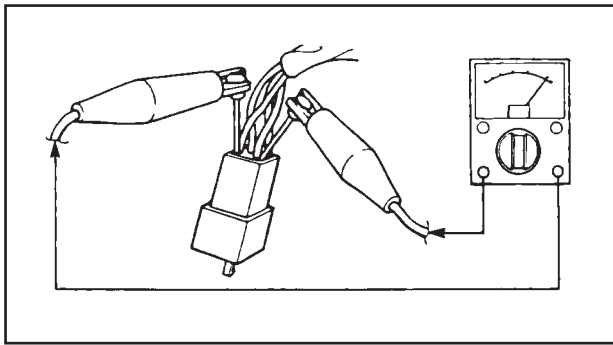
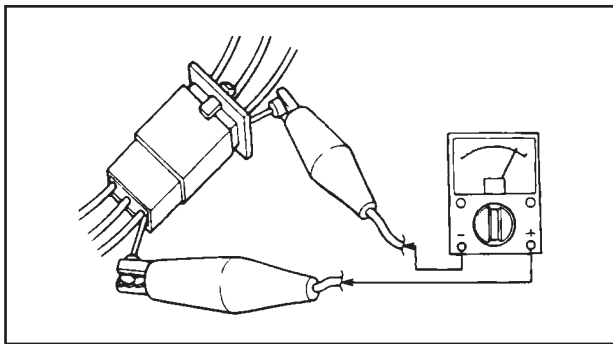
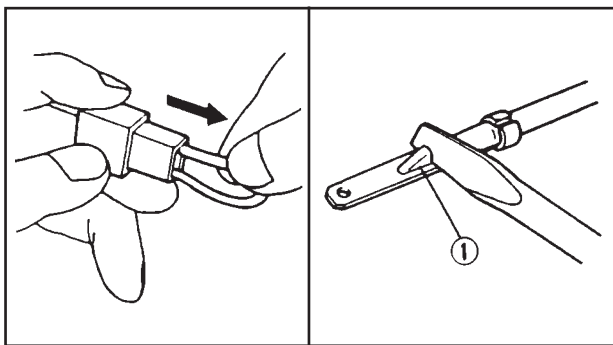
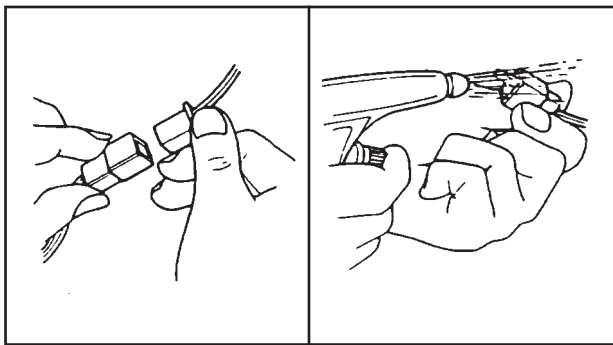


EB101050

CIRCLIPS

1. Check all circlips carefully before reassembly. Always replace piston pin clips after one use. Replace distorted circlips. When installing a circlip ①, make sure that the sharp-edged corner ② is positioned opposite the thrust ③ it receives. See sectional view.

④ Shaft



EB801000

CHECKING OF CONNECTIONS

Check the connectors for stains, rust, moisture, etc.

1. Disconnect:
 - connector
2. Check:
 - connector
 - Moisture → Dry each terminal with an air blower.
 - Stains/rust → Connect and disconnect the terminals several times.
3. Check:
 - connector leads
 - Looseness → Bend up the pin ① and connect the terminals.

4. Connect:
 - connector terminals

NOTE: _____
The two terminals “click” together.

5. Check:
 - continuity (using a pocket tester)

NOTE: _____

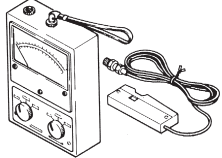
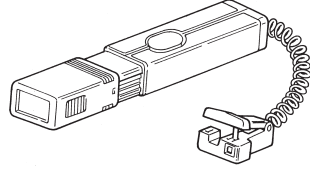
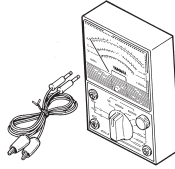
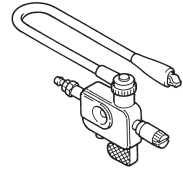
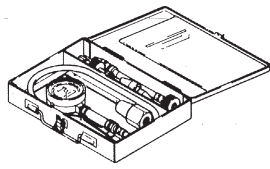
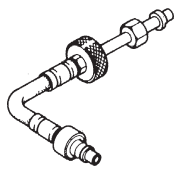
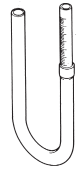
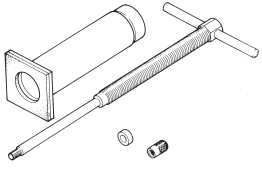
- If there is no continuity, clean the terminals.
- When checking the wire harness be sure to perform steps 1 to 3.
- As a quick remedy, use a contact revitalizer available at most part stores.
- Check the connector with a pocket tester as shown.





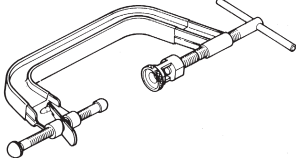
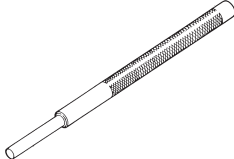
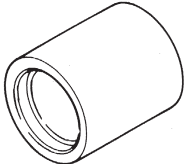
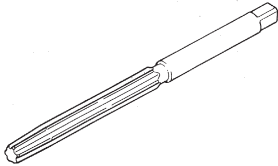
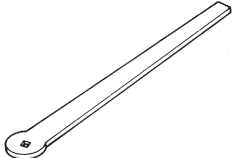
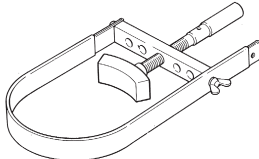
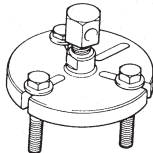
SPECIAL TOOLS

The following special tools are necessary for complete and accurate tune-up and assembly. Use only the appropriate special tools; this will help prevent damage caused by the use of inappropriate tools or improvised techniques.

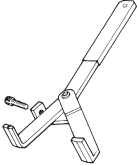
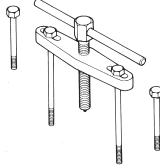
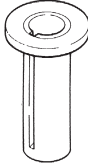

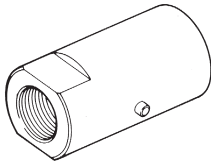
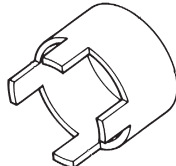
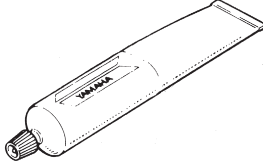
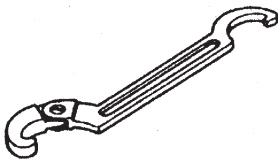
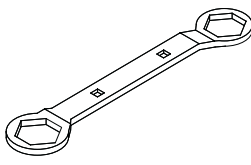
When placing an order, refer to the list provided below to avoid any mistakes.

Tool No.	Tool name / Usage	Illustration
90890-03113	Engine tachometer This tool is needed for detecting engine rpm.	
90890-03141	Timing light This tool is needed for detecting ignition timing.	
90890-03112	Pocket tester These instruments are invaluable for checking the electrical system.	
90890-06754	Ignition checker This instrument is necessary for checking the ignition system components.	
90890-03081	Compression gauge These tools are used to measure the engine compression.	
90890-04082	Adapter (compression gauge) This tool serves to measure the engine compression.	
90890-01312	Fuel level gauge This gauge is used to measure the fuel level in the float chamber.	
90890-01304	Piston pin clip puller This tool serves for removing the piston pin clip.	

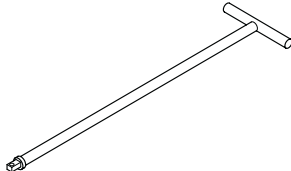
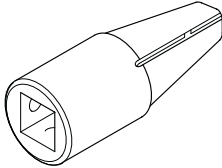
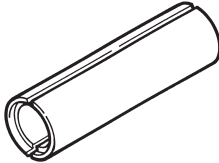


Tool No.	Tool name / Usage	Illustration
90890-01083	<p>Rocker arm shaft puller bolt</p> <p>These tools are used when removing the rocker arm shafts.</p>	
90890-01084	<p>Weight</p> <p>These tools are used when removing the rocker arm shafts.</p>	
90890-04019	<p>Valve spring compressor</p> <p>These tools are used when removing or installing the valve and the valve spring.</p>	
90890-01225	<p>7 mm (0.28 in) valve guide puller</p> <p>This tool is used to remove the valve guides.</p>	
90890-04017	<p>7 mm (0.28 in) valve guide installer</p> <p>This tool is necessary to install the valve slides properly.</p>	
90890-01227	<p>7 mm (0.28 in) valve guide reamer</p> <p>This tool is used to re-ream the new valve guide.</p>	
90890-01311	<p>Valve adjusting tool</p> <p>This tool is necessary for adjusting valve clearance.</p>	
90890-01701	<p>Rotor holder</p> <p>This tool is used for loosening and tightening the rotor nut.</p>	
90890-01362	<p>Rotor screw puller</p> <p>This tool is used to disassemble the magneto flywheel rotor.</p>	



Tool No.	Tool name / Usage	Illustration
90890-04086	<p>All-purpose clutch holder</p> <p>This tool is used to lock the clutch, when the clutch boss lock nut is being loosened or tightened.</p>	
90890-01135	<p>Crankcase separating tool</p> <p>This tool is necessary to disassemble the crankcase.</p>	
90890-01274	<p>Crankshaft installation hose</p> <p>This tool is used to install the crankshaft.</p>	
90890-01275	<p>Crankshaft installation bolt</p> <p>This tool is used to install the crankshaft.</p>	
90890-04059	<p>#10 (M14) adapter</p> <p>This tool is used to install the crankshaft.</p>	
90890-04081	<p>Crank spacer</p> <p>This tool is used to install the crankshaft.</p>	
90890-85505	<p>SEALANT (QUICK GASKET) ® Yamaha Bond No. 1215 ®</p> <p>This sealant (adhesive) is used for crankcase mating surfaces etc.</p>	
90890-01268	<p>Ringnut wrench</p> <p>This tool is used to loosen and tighten the steering ringnut.</p>	
90890-01348	<p>Ringnut wrench</p> <p>This tool is used to loosen and tighten the steering ringnut.</p>	



Tool No.	Tool name / Usage	Illustration
90890-01326	T-handle This tool is needed to loosen and tighten the front fork damper rod holding bolt.	
90890-01460	Front fork damper rod holder This tool is needed to hold the front fork damper rod when loosening and tightening the holding bolt.	
90890-11043	DU bush/oil seal guide This tool is used to install the DU bush and the fork oil seal.	



SPEC

2

CHAPTER 2. SPECIFICATIONS

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SPECIFICATIONS

GENERAL SPECIFICATIONS

Item	Standard	Limit
Model	TT600RE: 5CH5	
Dimensions Overall length Overall width Overall height Seat height Wheelbase Ground clearance Minimum turning radius	2,220 mm 865 mm 1,195 mm 890 mm 1,480 mm 280 mm 3,300 mm (right) 3,100 mm (left)
Basic weight (with oil and full fuel tank)	164.5 kg	...
Engine Engine type Cylinder arrangement Displacement Bore x stroke Compression ratio Starting system Lubrication system	Air cooled 4-stroke, SOHC Forward inclined single cylinder 595 cm ³ 95.0 x 84.0 mm 8.5 : 1 Electric starter Dry sump with separate oil tank
Engine oil Type Temp. °C Recommended engine oil classification Quantity: Without oil filter cartridge replacement With oil filter cartridge replacement Total amount (dry engine)	SAE20W40SE or SAE10W30SE API Service SE, SF, SG or higher 2.4 L 2.5 L 3.0 L
Air filter	Wet type element	
Fuel Type Fuel tank capacity Fuel reserve amount	Regular unleaded gasoline 10 L 3.0 L
Carburetor Manufacturer Model x quantity	TEIKEI Y30PV-2ATK x 1	

GENERAL SPECIFICATIONS

SPEC



Item	Standard	Limit
Spark plug Manufacturer/model Gap	NGK/DPR8EA-9 or NGK/DPR9EA-9 0.8–0.9 mm	●●●
Clutch type	Wet. Multiple-disc	
Transmission Primary reduction system Primary reduction ratio Secondary reduction system Secondary reduction ratio Number of drive chain sprocket teeth (front/rear) Transmission type Operation Gear ratio	Spur gear 71/34 (2.088) Chain drive 47/15 (3.133) 15/47 Constant mesh 5-speed Left foot 2.583 1.588 1.200 0.955 0.792	
Chassis Frame type Caster angle Trail	Open cradle backbone frame/detachable rear frame 27° 117 mm	 ●●● ●●●
Tires Front: Type Size Manufacturer/model Rear: Type Size Manufacturer/model Maximum load* Tire air pressure (measured on cold tires): Up to 90 kg* Front Rear 90 kg–maximum* Front Rear Off-road riding Front Rear High-speed riding Front Rear * Total weight of rider, passenger, cargo and accessories	With tube 90/90-21-(54R) / 90/90-21-(54S) Pirelli / MT70 - Michelin / T63 With tube 130/80-18-(66R) / 130/80-18-(66S) Pirelli / MT70 - Michelin / T63 180 kg 200 kPa; 2.00 kgf/cm ² ; 2.00 bar 220 kPa; 2.20 kgf/cm ² ; 2.20 bar 210 kPa; 2.10 kgf/cm ² ; 2.10 bar 240 kPa; 2.40 kgf/cm ² ; 2.40 bar 150 kPa; 1.50 kgf/cm ² ; 1.50 bar 160 kPa; 1.60 kgf/cm ² ; 1.60 bar 210 kPa; 2.10 kgf/cm ² ; 2.10 bar 240 kPa; 2.40 kgf/cm ² ; 2.40 bar	 ●●● ●●● ●●● ●●● ●●● ●●● ●●● ●●● ●●●
Wheels Front: Type Size Rear: Type Size	Spoke wheel 21" x 1.85 Spoke wheel 18" x MT 2.50	