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MOTORCYCLE

OWNER'S WARRANTY GUIDE BOOK



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OWNER'S WARRANTY GUIDEBOOK

FORWARD

The main reason for the existence of any warranty is to follow-up on a product after it is sold in order to insure that the product is giving proper service. Due to the human element involved in the manufacture, assembly and set-up, and final operation of any mechanical product, it is recognized that failure may occur. The Yamaha warranty is meant to insure that every Yamaha is free from manufacturing defects. The warranty does not cover failures due to improper usage or abuse, or poor maintenance.

The purpose of this guide is to help the new owner of a Yamaha motorcycle understand the warranty requirements and the warranty coverage that Yamaha International Corporation extends through its authorized dealers.

Proper operation and Warranty Maintenance Requirements are included in this guide, with more detailed instructions to be found in your Owner's Manual. The Owner's Manual, in its entirety, is considered a basic part of the warranty program in that it contains the technical information necessary to fulfill the requirements outlined in this warranty guidebook. If any procedure in the charts is not completely understood, or not covered in this guidebook or the Owner's Manual, please consult your dealer for the necessary information or service. Your authorized Yamaha Dealer offers the exclusive advantages of genuine Yamaha replacement parts, special tools and equipment, and Y.I.C. trained technicians.

A complete understanding of the Warranty Maintenance Requirements and the proper operational procedures as shown in this Warranty Guide and Owner's Manual will insure a long and trouble-free life for your new Yamaha.

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Yamaha Motorcycle Warranty

As set forth herein, the term "machine" shall refer to motorcycle as manufactured by Yamaha and sold by and authorized Yamaha dealer within the United States. "Company" shall refer to Yamaha International Corporation acting through its duly authorized and franchised motorcycle dealers.

- (A) Period of warranty shall be 6 months from date of delivery or 4000 miles, whichever occurs first, 90 days for the Mini Enduro. During the period of warranty, Company guarantees to the original purchaser of each new Yamaha:
1. Any part adjudged defective by reason of faulty workmanship or material from the factory shall be replaced free of charge.
 2. Any repairs and/or adjustments made necessary by faulty workmanship or material from the factory shall be free of charge.
- (B) This warranty shall be effective if purchaser:
1. Submits machine to an authorized Yamaha Motorcycle dealer for the recommended owner responsibility service checks outlined in the Owner's Warranty Guide Book, and
 2. Gives notice to an authorized Yamaha dealer of any and all apparent defects within ten (10) days after discovery and immediately makes the machine available for inspection and repairs at such dealer's place of business.
- (C) Warranty repairs should be performed by the selling dealer, unless the purchaser has moved more than fifty miles from the selling dealer or is touring more than fifty miles from the selling dealer.
- (D) Warranty shall not extend to:
1. Machines subjected to abnormal abuse or loads.
 2. Machines which have not been maintained properly or neglected.
 3. Machines altered from standard condition.
 4. Failures of, or failures caused by parts or accessories not manufactured by Yamaha.
 5. Machines used in competition of any kind.
 6. Machines designed specifically for competition. (MX, Road Racers, etc.)
 7. Accident or collision damage.
 8. Parts replaced due to normal wear, or routine maintenance. (ignition components, spark plugs, etc.)
 9. Machines which have had the speedometer (odometer) removed or altered.
 10. Machines used for renting, leasing, or other commercial purposes.
- (E) WHERE PERMITTED BY LAW:
1. COMPANY'S LIABILITY SHALL BE LIMITED TO THAT SET FORTH IN THIS WARRANTY, AND COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING INJURY TO PERSON OR PROPERTY.
 2. COMPANY MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, AND ALL IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE OBLIGATION STATED IN THIS WARRANTY ARE HEREBY DISCLAIMED BY COMPANY AND EXCLUDED FROM THIS WARRANTY.

YAMAHA INTERNATIONAL CORPORATION
6600 ORANGETHORPE AVE. BUENA PARK, CALIF.

EXPLANATION OF WARRANTY EXCLUSIONS

This warranty applies only to new Yamaha machines sold by an authorized Yamaha dealer in the United States and applies only to the original owner—it is not transferable. Yamaha International Corporation's liability under this warranty is limited to repairs as necessary WHEN CAUSED BY A FACTORY DEFECT.

Warranty Repairs

While we expect that you will return to your selling dealer for warranty repairs, if you are touring or have moved more than 50 miles away from your selling dealer, any Yamaha dealer can perform warranty repairs. If you travel out of your local area to purchase your machine, you are expected to go back to the selling dealer for warranty service.

WARRANTY EXCLUSIONS INCLUDE:

Abnormal Strain or Abuse

Failures caused by operation in excess of design limits, power shifting, over-revving engine, wheelies, etc. or failure to maintain the machine as prescribed in Owner's Manual.

Poor Maintenance or Neglect

Failure to maintain your machine as outlined in your Owner's Manual can void the warranty. This would include running the autolube system out of oil, or failure to lubricate and adjust drive chain.

Altered Machines

Any failures to a machine caused by modifications of any sort cannot be covered under warranty. This includes customizing as well as performance modifications.

Use of Non-Genuine Parts or Accessories

Failures caused by custom, dirt, or touring accessories will not be covered.

Competition

Machines used in any type of competition including Enduros, drag racing, trials, etc., or machines designed specifically for competition are not covered under warranty.

Accidents or Collision Damage

This includes damage to Enduro models from "dropping" during dirt use.

Speedometer Removal

Speedometer (odometers) must be intact to determine mileage of machine for warranty coverage.

REGISTRATION AND WARRANTY CARD

Upon the purchase of a new Yamaha motorcycle, you should be given a two part set of warranty cards. These are the Warranty Identification Card, and the Registration Card and Customer Questionnaire.

First, and most important, is the Registration and Customer Questionnaire. All motor vehicle manufacturers are required by federal law to maintain a record of the initial retail purchasers of every new vehicle sold in this country. Yamaha International also uses this record for warranty registration purposes. The warranty is not valid until the machine has been registered. The registration card must be filled out at the time of purchase and submitted within 24 hours by the dealer. The information on the questionnaire form is very important to Yamaha and should be filled in by the primary rider of the new machine.

The Warranty Identification Card is your key to any warranty work that may be necessary. The card must be signed at the time of purchase and dated, or it is not valid. If you are traveling out of your local dealer's area, the I.D. card will identify you as the original owner, the machine's warranty period, and the selling dealer's number to any Yamaha dealer you go to. Without this I.D. card, the dealer would have to check with the Yamaha Warranty Department to confirm the warranty registration and date of sale, as well as the original purchaser's name, before any warranty work could proceed.

BREAK-IN

BREAK-IN: The first 500 miles is the most critical time for any sportcycle. It is during the break-in period that the pistons, rings, bearings, gears, and virtually every other moving part become fitted to their surrounding counterparts.

During this period prolonged full throttle operation, or any condition which might result in excessive head and cylinder temperatures must be avoided. However, momentary full throttle operation under load (2-3 seconds maximum) does not harm the engine. Each full throttle acceleration should be followed by an equal deceleration period, such as you would find in normal city driving. The deceleration periods will aid in the engine in ridding itself of the temporary build up of heat.

The method for breaking in your Yamaha is quite simple.

0 TO 100 MILES:
(0 to 300 miles for
4-stroke machines)

Avoid operation above 4,000 rpm. (3,500 rpm for 4-stroke machines). Allow a cooling off period of 5 to 10 minutes after every hour of operation. Vary the speed of the motorcycle from time to time. Do not operate it at one, set, throttle position.

- 100 TO 250 MILES:
(300 to 500 miles for
4-stroke machine) Avoid prolonged operation above 5,000 rpm. (4,000 rpm for 4-stroke). Allow the motorcycle to rev freely through the gears but do not use full throttle at any time.
- 250 TO 500 MILES: Avoid prolonged full throttle operation. Avoid cruising speeds in excess of 6000 rpm.
- 500 MILES AND BEYOND: Avoid prolonged full throttle operation. Avoid speeds in excess of rpm red-line. Vary speeds occasionally.

RECOMMENDED CRUISING SPEED AFTER BREAK-IN: For sustained load and throttle conditions, such as those encountered on the open highway, cruise up to $\frac{3}{4}$ throttle or $\frac{3}{4}$ of rpm red-line, whichever comes first. This $\frac{3}{4}$ figure should be considered a maximum. In addition, road and weather conditions must be taken into consideration. Upgrades and headwinds usually require a wider throttle opening to maintain a steady speed, but the $\frac{3}{4}$ throttle recommendation for prolonged operation still applies. Under any conditions there will be a pace where your bike will feel "happy". By operating close to this "happy" point, you will be making the most efficient use of your bike.

REQUIRED SERVICE SCHEDULES

In order to realize the best performance and reliability from your Yamaha, and to comply with the warranty requirements, please follow the schedule listed below. Specific details and instructions are found in your Owner's Manual.

1. Daily Pre-operation Check

to be performed by operator as listed in Pre-operation Check Chart, page 9.

2. First Service Check

to be performed at 250 miles for four-stroke machines, 500 miles for two-stroke machines, and at 100 miles for the Mini-Enduro. This must be performed entirely by dealer, as it is primarily an inspection for warranty purposes.

3. Periodic Services

at 1000, 2000, 3000 miles as listed in the Periodic Service Record. The Mini-Enduro services are required at 100, 250, and 500 miles but are otherwise the same as the 500, 2000, and 3000 mile services for full size machines. The Periodic Service Record is extended past the original warranty period for your convenience.

While most of the operations listed in these checks can be performed by the owner for warranty purposes we require that the following adjustments be performed only by an authorized dealer.

1. Ignition timing www.legends-yamaha-enduros.com
2. Oil pump adjustments
3. Carburetion adjustments
4. Valve adjustments (for 4-stroke machines)

PRE-OPERATION CHECK CHART

Pre-operation checks should be made each time the machine is used. Such an inspection can be thoroughly accomplished in a very short time, and the added safety it assures is more than worth the time involved.

(TWO - STROKE)

AUTOLUBE PUMP
AUTOLUBE TANK
TRANSMISSION

Check for proper cable operation
Check oil level/fill as required
Check, fill as required

(FOUR - STROKE)

ENGINE OIL

Check, fill as required

(ALL MODELS)

BRAKES
CLUTCH
DRIVE CHAIN
BATTERY
SPARK PLUG(S)
AIR FILTER(S)
WHEELS & TIRES
FITTINGS/FASTENERS
LIGHTS/SIGNALS

Check operation/adjustment/hydraulic reservoir
Check operation/lever adjustment
Check alignment/Adjustment/lubrication
Check Electrolyte Level weekly/1,000 miles
After Break-in, Check color/Cond/n. Weekly/1,000 miles
Foam Type - Must be clean and damp w/oil always
Check pressure/Runout/Spoke tightness/Axle nuts
Check All - Tighten as necessary
Check Headlight/Tail-stop lights/Turn signals, etc.

INITIAL SERVICE CHECK FOR FOUR-STROKE MACHINES @ 250 MILES

1. Check operation of all lights, horn, signals
2. Check battery specific gravity - fill as required
3. Check all fittings, fasteners, including spokes
4. Adjust drive chain, lubricate
5. Change engine oil
6. Clean 650cc/Replace 500, 750cc oil filter, Oil change
7. Check brakes, operation, all controls, test ride

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Date of service _____

Servicing dlr. name _____

Servicing dlr. sign. _____

**INITIAL SERVICE CHECK FOR TWO-STROKE MACHINES @ 300 MILES
and MINI-ENDUROS @ 100 MILES**

1. Check ignition points, spark plug, set timing
2. Check carburetor settings - adjust as necessary
3. Check Autolube pump operation - adjust as necessary
4. Check operation of all lights, horn, signals
5. Check battery specific gravity - fill as required
6. Check all fittings and fasteners including spools
7. Retorque cylinder head nuts
8. Clean and oil air filter (foam type only)
9. Change transmission oil
10. Adjust drive chain, lubricate
11. General lubrication
12. Check brakes, all controls, tire pressure and test ride

Date of Service _____

Servicing dlr. name _____

Servicing dlr. sign. _____

1000 MILE SERVICE CHECK

1. Check ignition points, spark plug, set timing
2. Check carburetor settings - adjust as necessary
3. Check operation of all lights, horn, signals
4. Check battery specific gravity - fill as required
5. Check all fittings and fasteners including spokes
6. Clean air filter (foam and dry types)
7. Clean fuel petcock(s)
8. Adjust drive chain, lubricate
9. General lubrication
10. Check brakes, all controls, tire pressure and test ride

IN ADDITION:

2-Stroke Machines only

11. Check Autolube pump operation-adjust as required
12. Decarbonize head, piston, exhaust pipe

4-Stroke Machines only

- 11a. Clean 650cc/change oil filter
- 12a. Change engine oil
13. Adjust cam chain tensioner
14. Adjust valves

Date of Service _____

Servicing dlr. name _____

Servicing dlr. sign. _____

2000 MILE SERVICE CHECK 200 MILES FOR MINI-ENDUROS

1. Check ignition points, spark plug, timing
2. Check operation of all lights, horn, signals
3. Check battery specific gravity-fill as required
4. Check all fittings and fasteners, including spokes
5. Clean air filter (foam and dry types)
6. Adjust drive chain, lubricate
7. General lubrication
8. Check brakes, all controls, tire pressure and tread
9. Change oil - engine/transmission

2-Stroke Machines only

10. Decarbonize engine, exhaust pipe

4-Stroke Machines only

- 10a. Clean 650cc/Replace 500, 750cc oil filter, oil change
11. Adjust valves
12. Adjust cam chain tensioner

Date of Service _____

Servicing dlr. name _____

Servicing dlr. sign _____

3000 MILE SERVICE CHECK 500 MILES FOR MINI-ENDUROS

1. Check spark plug, clean & gap
2. Check operation of all lights, horn, signals
3. Check battery specific gravity - fill as required
4. Check all fittings and fasteners, including spokes
5. Clean air filter (foam type only)
6. Adjust drive chain, lubricate
7. General lubrication
8. Check brakes, all controls, tire pressure and wear

4-Stroke Machines only

9. Change engine oil
10. Clean oil filter, traps

Date of Service _____

Servicing dlr. name _____

Servicing dlr. sign. _____

4000 MILE SERVICE CHECK 1000 MILES FOR MINI-ENDUROS

1. Check ignition points, spark plug, timing
2. Check operation of all lights, horn, signals
3. Check battery specific gravity - fill as required
4. Check all fittings and fasteners, including spokes
5. Clean air filter (foam and dry types)
6. Adjust drive chain, lubricate
7. General lubrication
8. Check brakes, all controls, tire pressure and tread
9. Change oil - engine/transmission

2-Stroke Machines only

10. Decarbonize engine, exhaust pipe

4-Stroke Machines only

11. Adjust valves
12. Adjust cam chain tensioner

Date of Service _____

Servicing dlr. name _____

Servicing dlr. sign. _____

6000 MILE SERVICE CHECK 2000 MILES FOR MINI-ENDUROS

1. Check ignition points, spark plug, timing
2. Check operation of all lights, horn, signals
3. Check battery specific gravity - fill as required
4. Check all fittings and fasteners, including spokes
5. Clean air filter (foam and dry types)
6. Adjust drive chain, lubricate
7. General lubrication
8. Check brakes, all controls, tire pressure and tread
9. Change oil - engine/transmission

2-Stroke Machines only

10. Decarbonize engine, exhaust pipe

4-Stroke Machines only

- 10a. Clean 650cc/Replace 500, 750cc oil filter, oil change.
11. Adjust valves
12. Adjust cam chain tensioner

Date of Service _____
Servicing dlr. name _____
Servicing dlr. sign. _____

8000 MILE SERVICE CHECK 3000 MILES FOR MINI-ENDUROS

1. Check ignition points, spark plug, timing
2. Check operation of all lights, horn, signals
3. Check battery specific gravity - fill as required
4. Check all fittings and fasteners, including spokes
5. Clean air filter (foam and dry types)
6. Adjust drive chain, lubricate
7. General lubrication
8. Check brakes, all controls, tire pressure and test ride
9. Change oil - engine/transmission

2-Stroke Machines only

10. Decarbonize engine, exhaust pipe

4-Stroke Machines only

11. Adjust valves
12. Adjust cam chain tensioner

Date of Service _____

Servicing dlr. name _____

Servicing dlr. sign. _____

10000 MILE SERVICE CHECK

4000 MILES FOR MINI-ENDUROS

1. Check ignition points, spark plug, timing
2. Check operation of all lights, horn, signals
3. Check battery specific gravity - fill as required
4. Check all fittings and fasteners, including spokes
5. Clean air filter (foam and dry types)
6. Adjust drive chain, lubricate
7. General lubrication
8. Check brakes, all controls, tire pressure and test ride.
9. Change oil - engine/transmission

2 Stroke Machines only

10. Decarbonize engine, exhaust pipe

4 Stroke Machines only

- 10a. Clean 650cc/Replace 500, 750 oil filter, oil change.
11. Adjust valves
12. Adjust cam chain tensioner

Date of Service _____

Servicing dlr. name _____

Servicing dlr. sign. _____

RECOMMENDED LUBRICANTS

ITEM	REMARKS	TYPE
<hr/> 4-Stroke Machines only <hr/>		
Engine Oil	Warm engine before draining	No. 1
<hr/> 2-Stroke Machines only <hr/>		
Autolube	See Service Notes	No. 2
Transmission	Warm engine before draining	No. 3

RECOMMENDED LUBRICANTS cont'd

ITEM	REMARKS	TYPE
All Models		
Drive Chain	Remove/clean/lube/adjust	No. 4
Air Filter	Foam Type	No.11
Control & Meter Cables	All - Apply thoroughly	No. 5
Throttle Grip & Housing	Light Application	No. 6
Tach & Speedo Gear Hsgs.	Light Application	No. 6
Rear Arm Pivot Shaft	Light Application	No. 7
Brake Pedal Shaft	Light Application	No. 6
Change Pedal Shaft	Light Application	No. 6
Stand Shaft Pivot(s)	Light Application	No. 6
Front Forks	Drain com/chk. spec.	No. 4
Steering Ball Races	Inspect thoroughly/med. pack	No. 8
Point Cam Lubr. Wick	Very light application	No. 9
Hyd. Brake Fluid Res.	See Notes	No.10
Wheel Bearings	Do not over-pack	No. 6

RECOMMENDED LUBRICANT TYPES

- #1. For average operation at ambient temperatures of 30-90° F. Use SAE 20W-40 type "SE" motor oil. In extremely cold areas, the SAE 10W-30 type "SE" motor oil is recommended.
- #2. Check tank level before each ride or every 100 miles. Top off when oil level is at sight glass or before any long trip. Use the following lubricant (in order of preference):

(1) Yamalube, or (2) Two-stroke oil labeled "BIA Certified for Service TC-W"

Due to the common availability and certified high lubrication performance of oils No. 1 & No. 2, no lubricants below this point are recommended.

(3) Any major brand of oil specifically designed for use in air-cooled two-stroke engines.

(4) Any major brand outboard motor oil.

Categories No. 3 & No. 4 vary from average to poor and their quality is not necessarily related to the retail price. This group may be used in a pinch if No. 1 or No. 2 are unavailable.

(5) Detergent automotive oil. (6) Non-detergent automotive oil.

Categories No.5 & No.6 are considered harmful. They are listed for qualitative illustration purposes only.

The above supercedes all Yamaha printed material including current service and owner's manuals due to the fact that an upgrade of formulation and supply of the new Yamalube was made after the printing and publication of those manuals.

NOTE: Though 40W & 50W oils may be premixed, do not use oils thicker than 30W for Autolube Injection.

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- #3. For average operation at ambient temperatures of 30-90° F. Use SAE 10W-30 type "SE" motor oil.
- #4. Use SAE 10W-30 type "SE" motor oil (if desired, specialty type lubricants of quality manufacture may be used.)

NOTE: Drive chain must be lubricated every 200-250 miles. If unit is subjected to extremely hard usage, chain must be inspected constantly and serviced as required.

- #5. Use SAE 10W-30 type "SE" motor oil. (if desired, or at ambient temperatures below 30° F. a graphite base "dry" lubricant of quality manufacture may be used.)

- #6. Light duty. Lithium soap base (white) grease. Heavy duty: Standard 90W lube grease (do not use 90W lube grease on throttle grip/throttle housing.)
- #7. Use standard 90W lube grease - smooth, not coarse.
- #8. Medium-weight wheel bearing grease of quality manufacture - preferably waterproof.
- #9. Light-weight machine oil.
- #10. Change yearly or 8,000 miles. Use quality manufacture corresponding DOT #3 or #4 (SAE J1703B) specifications. Keep clean. Do not allow water, etc., to contaminate.
Do not mix types when adding.
- #11. Use SAE 10W-30 motor oil. Change oil regularly and properly. Always clean before oiling. Apply oil moderately; do not over-oil. Clean and oil monthly or every 800-1,000 miles, more often if possible. If unit is subjected to extremely hard usage, such as dirt riding, etc., clean and lube filter daily.

Notes:

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