

PRE-OPERATION CHECKS (DAILY)

Before using this motorcycle check the following points:

No.	Item	Routine	Page
1.	Brakes (Front and Rear)	Check operation, free play and fluid. Top-up with DOT. #3 brake fluid if necessary.	16.44
2.	Clutch	Check operation. condition and free play. Adjust if necessary.	17.49
3.	Engine oil	Check engine oil level. add oil if necessary.	17.38
4	Middle/final Gear Oil	Check for leakage visually.	18.40
5.	Throttle	Check for smooth operation. Adjust if necessary.	17.50
6.	Battery	Check fluid level. top-up with distilled water if necessary.	23.58
7.	Lights/Signals	Check operation.	22
8.	Wheels/Tires	Check tire pressure. wear damage.	18
9.	Fittings/Fasteners	Check all chassis fittings and fasteners. Adjust. if necessary.	37

NOTE:

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

WARNING:

1. The engine, exhaust pipe(s), and muffler(s) will be vary hot after the engine has been run. Be careful not to touch them or to allow any clothing item to contact them during inspection or repair.
2. If any item in the PRE-OPERATION CHECK is not working properly, have it inspected and repaired before operating the motorcycle.

Brakes (See page 44 for more detail)

1. Brake lever and brake pedal

Check for correct play in the front brake lever and rear brake pedal. Make sure they are working properly. Check the brakes at low speed shortly after starting out.

-WARNING:

A soft, spongy feeling in the brake lever (and/or brake pedal) indicates a failure in the brake system. Do not operate the motorcycle until the failure in the brake system is corrected. Ask your Yamaha dealer or other qualified mechanic for immediate repairs. A soft, spongy feeling could indicate a hazardous condition in the brake system.

2. Brake fluid

Check the brake fluid level.

Add fluid if necessary

Recommended brake fluid: DOT #3

3. Checking the disc pads

Refer to page 46.

NOTE:

When this brake service is necessary, have your Yamaha dealer or other qualified mechanic replace the pads.

Brake fluid leakage

Apply each brake for a few minutes. Check to see if any brake fluid leaks out from pipe joints or the master cylinder(s).

WARNING:

If brake fluid leakage is found, ask your Yamaha dealer or other qualified mechanic for immediate repairs. Such

leakage could indicate a hazardous condition in the brake system.

Clutch (See page 49 for more detail)

Check for correct play in the clutch lever and make sure the lever operates properly.

If the play is incorrect, make an adjustment,

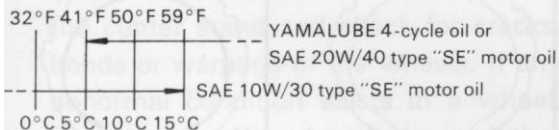
Throttle grip (See page 50 for more detail)

Turn the throttle grip to see if it operates properly and if the play is normal. Make certain the throttle springs closed when released.

Engine oil (See page 38 for more detail)

Make sure the engine oil is at the specified level. Add oil as necessary.

Recommended oil:

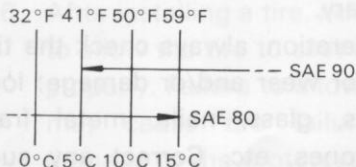


Middle gear/Final gear oil (See page 40 for more detail)

Make sure the middle gear/final gear oil is at the specified level. Add oil as necessary.

Recommended oil:

**SAE 80 or 90 API "GL-4"
Hypoid gear oil**



If desired, an SAE 80W/90 hypoid gear oil may be used for all conditions.

NOTE:

"GL-4" is a quality and additive rating. "GL-5" or "GL-6" rated hypoid gear oils may also be used.

TUBELESS TIRES AND ALUMINUM WHEELS

This motorcycle is equipped with aluminum wheels designed to be compatible with either tube or tubeless tires.

Tubeless tires are installed as standard equipment.

WARNING:

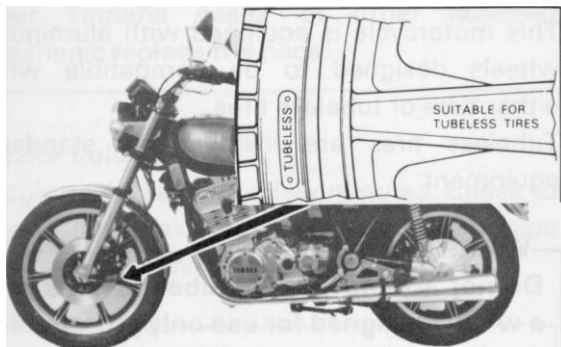
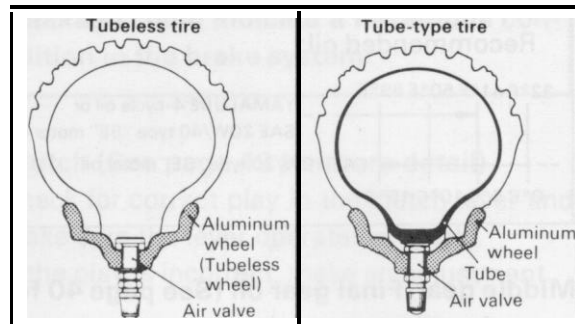
Do not attempt to use tubeless tires on a wheel designed for use only with type tires. Tire failure and personal injury may result from sudden deflation.

Tube-type Wheel → Tube-type
Tires Only

Tubeless-type Wheel → Tube-type
or Tubeless tires

WARNING:

**When using tube-type tires, be sure to
install the proper tube also.**



To insure maximum performance, long service, and safe operation, note the following precautions:

1. Always maintain proper air pressure as described in the Chart on page 21.
2. Check tire pressure. before riding. adjust as necessary.
3. Before operation, always check the tire surfaces for wear and/or damage: look for cracks, glass, nails, metal fragments, stones, etc. Correct any such hazard before riding.

4. Always inspect the aluminum wheels before a ride. Place the motorcycle on the center stand and check for cracks, bends or warpage of the wheels. If any abnormal condition exists in a wheel, consult your Yamaha dealer or other qualified mechanic. Do not attempt even small repairs to the wheel. If a wheel is deformed or cracked, it must be replaced.
5. Tires and wheels should be balanced whenever either one is changed or replaced. Failure to have a wheel assembly balanced can result in poor performance, adverse handling characteristics, and shortened tire life.
6. After installing a tire, ride conservatively to allow the tire to seat itself on the rim properly. Failure to allow proper seating may cause tire failure resulting in damage to the motorcycle and injury to the rider.

7. After repairing or replacing a tire, check to be sure the valve stem lock nut is securely fastened. If not, torque it as specified.

Tightening torque: 0.15 m·kg (1.1 ft·lb)

The standard equipment tires originally fitted to the _____ are suited to normal riding and touring. They are not suited for sustained high speed running or racing and must not be used for such purposes. Consider your riding skill, road and weather conditions, and correct weight distribution when loading your motorcycle. Securely pack your heaviest items close to the center of the motorcycle.

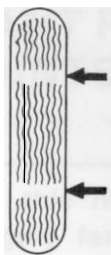
-WARNING:

- 1. This motorcycle is not designed to pull a trailer or to be attached to a sidecar. The accessories you choose for your motorcycle should be designed specifically for it and should be securely mounted in such a fashion as to maintain the inherent stability of the original design as much as possible. Yamaha has a full line of sport and touring accessories designed specifically for this motorcycle. Please consider them before making a purchase. Use of non-approved accessories may cause loss of handling stability and riding safety. Consult your Yamaha dealer or other qualified mechanic regarding the consequences of using such items.**
- 2. Proper loading of your motorcycle is important for the handling, braking,**

and other performance and safety characteristics of your motorcycle. NEVER OVERLOAD YOUR MOTORCYCLE. Make sure the total weight of the accessories, and etc., does not exceed the maximum load limites. Operation of an overloaded motorcycle could cause tire damage, an accident, and injury.

	FRONT	REAR
XS850G BASIC WEIGHT with oil and full fuel tank	119 kg (262 lb)	139 kg (307 lb)
Standard tire	Bridgestone 3.25H19-4PR	Bridgestone 4.50H17-4PR
Maximum load limit*	170 kg (375 lb)	281 kg (620 lb)
Cold tire pressure		
Up to 90 kg (198 lb) load**	1.8 kg/cm ² (26 psi)	2.0 kg/cm ² (28 psi)
90 kg (198 lb) load ~ 184 kg (406 lb) load** (Maximum load)	2.0 kg/cm ² (28 psi)	2.3 kg/cm ² (32 psi)
High speed riding	2.0 kg/cm ² (28 psi)	2.3 kg/cm ² (32 psi)
Minimum tire tread	0.8 mm (0.03 in)	0.8 mm (0.03 in)

** Total weight of accessories, etc. excepting motorcycle



should be left to a Yamaha Service Technician or other qualified mechanic. If you must change your own tire, be sure to use proper tools and procedures as described in the Tubeless Tire and Wheel Manual available from Your Yamaha dealer.

If a tire tread shows crosswise lines, it means that the tire is worn to its limit. Replace the tire.

-WARNING:

It is dangerous to ride with a worn-out tire. When a tire tread begins to show lines. Have Your Yamaha dealer or other qualified mechanic replace the tire immediately. Brake pad replacement, tire, and related wheel parts replacement

Fittings/Fasteners

Always check the tightness of chassis fittings and fasteners before a ride. Use the chart on page 37 to find the correct torque.

Lights and signals

Check the headlight, flasher lights, taillight, brake light, meter lights and all the indicator lights to make sure they are in working condition.

Switches

Check the operation of the headlight switch, turn switch, brake light switch, horn button, main switch, etc.

Battery (See page 58 for more detail)

Check fluid level and top-up if necessary.

Use only distilled water if refilling is necessary.

Fuel

Make sure there is sufficient fuel in the tank.

Recommended gasoline:

Regular gasoline

Fuel tank capacity:

Total: 17 lit. (4.5 US gal.)

Reserve: 3 lit. (0.8 US gal)