

# PERIODIC MAINTENANCE

EAS20022

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EAS30022

### INTRODUCTION

This chapter includes all information necessary to perform recommended checks and adjustments. If followed, these preventive maintenance procedures will ensure more reliable vehicle operation, a longer service life and reduce the need for costly overhaul work. This information applies to vehicles already in service as well as to new vehicles that are being prepared for sale. All service technicians should be familiar with this entire chapter.

### TIP

- Items marked with an asterisk should be performed by your Yamaha dealer because these items require special tools, data, and technical skills.
- From 50000 km (30000 mi), repeat the maintenance intervals starting from 10000 km (6000 mi).
- **The annual checks must be performed every year, except if a distance-based maintenance is performed instead.**

EAS30614

### PERIODIC MAINTENANCE CHART FOR THE EMISSION CONTROL SYSTEM

NO.	ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					ANNUAL CHECK
			1000 km (600 mi)	10000 km (6000 mi)	20000 km (12000 mi)	30000 km (18000 mi)	40000 km (24000 mi)	
1	* Fuel line	<ul style="list-style-type: none"> <li>• Check fuel hoses for cracks or damage.</li> <li>• Replace if necessary.</li> </ul>		√	√	√	√	√
2	* Spark plugs	<ul style="list-style-type: none"> <li>• Check condition.</li> <li>• Adjust gap and clean.</li> <li>• Replace.</li> </ul>		√		√		
3	* Valve clearance	<ul style="list-style-type: none"> <li>• Check and adjust.</li> </ul>	Every 40000 km (24000 mi)					
4	* Fuel injection	<ul style="list-style-type: none"> <li>• Check engine idle speed.</li> <li>• Check and adjust synchronization.</li> </ul>	√	√	√	√	√	√
5	* Exhaust system	<ul style="list-style-type: none"> <li>• Check for leakage.</li> <li>• Tighten if necessary.</li> <li>• Replace gaskets if necessary.</li> </ul>	√	√	√	√	√	
6	* Evaporative emission control system	<ul style="list-style-type: none"> <li>• Check control system for damage.</li> <li>• Replace if necessary.</li> </ul>			√		√	

EAS30615

### GENERAL MAINTENANCE AND LUBRICATION CHART

NO.	ITEM	CHECK OR MAINTENANCE JOB	ODOMETER READING					ANNUAL CHECK
			1000 km (600 mi)	10000 km (6000 mi)	20000 km (12000 mi)	30000 km (18000 mi)	40000 km (24000 mi)	
1	* Diagnostic system check	<ul style="list-style-type: none"> <li>• Perform dynamic inspection using Yamaha diagnostic tool.</li> <li>• Check the error codes.</li> </ul>	√	√	√	√	√	√
2	* Air filter element	<ul style="list-style-type: none"> <li>• Replace.</li> </ul>	Every 40000 km (24000 mi)					
3	Clutch	<ul style="list-style-type: none"> <li>• Check operation.</li> <li>• Adjust.</li> </ul>	√	√	√	√	√	
4	* Front brake	<ul style="list-style-type: none"> <li>• Check operation, fluid level, and for fluid leakage.</li> <li>• Replace brake pads if necessary.</li> </ul>	√	√	√	√	√	√
5	* Rear brake	<ul style="list-style-type: none"> <li>• Check operation, fluid level, and for fluid leakage.</li> <li>• Replace brake pads if necessary.</li> </ul>	√	√	√	√	√	√

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			1000 km (600 mi)	10000 km (6000 mi)	20000 km (12000 mi)	30000 km (18000 mi)	40000 km (24000 mi)	
6 *	Brake hoses	• Check for cracks or damage.		√	√	√	√	√
		• Replace.	Every 4 years					
7 *	Brake fluid	• Change.	Every 2 years					
8 *	Wheels	• Check runout and for damage. • Replace if necessary.		√	√	√	√	
9 *	Tires	• Check tread depth and for damage. • Replace if necessary. • Check air pressure. • Correct if necessary.		√	√	√	√	√
10 *	Wheel bearings	• Check bearing for looseness or damage.		√	√	√	√	
11 *	Swingarm pivot bearings	• Check operation and for excessive play.		√	√	√	√	
		• Lubricate with lithium-soap-based grease.	Every 50000 km (30000 mi)					
12	Drive chain	• Check chain slack, alignment and condition. • Adjust and lubricate chain with a special O-ring chain lubricant thoroughly.	Every 1000 km (600 mi) and after washing the motorcycle, riding in the rain or riding in wet areas					
13 *	Steering bearings	• Check bearing assemblies for looseness.	√	√		√		
		• Moderately repack with lithium-soap-based grease.			√		√	
14 *	Chassis fasteners	• Make sure that all nuts, bolts and screws are properly tightened.		√	√	√	√	√
15	Brake lever pivot shaft	• Lubricate with silicone grease.		√	√	√	√	√
16	Brake pedal pivot shaft	• Lubricate with lithium-soap-based grease.		√	√	√	√	√
17	Clutch lever pivot shaft	• Lubricate with lithium-soap-based grease.		√	√	√	√	√
18	Shift pedal pivot shaft	• Lubricate with lithium-soap-based grease.		√	√	√	√	√
19	Sidestand	• Check operation. • Lubricate with molybdenum disulfide grease.		√	√	√	√	√
20	Centerstand	• Check operation. • Lubricate with lithium-soap-based grease.		√	√	√	√	√
21 *	Sidestand switch	• Check operation and replace if necessary.	√	√	√	√	√	√
22 *	Front fork	• Check operation and for oil leakage. • Replace if necessary.		√	√	√	√	
23 *	Shock absorber assembly	• Check operation and for oil leakage. • Replace if necessary.		√	√	√	√	
24 *	Rear suspension relay arm and connecting arm pivoting points	• Check operation.		√	√	√	√	
25	Engine oil	• Change (warm engine before draining). • Check oil level and vehicle for oil leakage.	√	√	√	√	√	√
26	Engine oil filter cartridge	• Replace.	√		√		√	

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			1000 km (600 mi)	10000 km (6000 mi)	20000 km (12000 mi)	30000 km (18000 mi)	40000 km (24000 mi)	
27 *	Cooling system	• Check coolant level and vehicle for coolant leakage.		√	√	√	√	√
		• Change.	Every 3 years					
28 *	Front and rear brake switches	• Check operation.	√	√	√	√	√	√
29 *	Moving parts and cables	• Lubricate.		√	√	√	√	√
30 *	Throttle grip	• Check operation. • Lubricate throttle grip housing tube guides.		√	√	√	√	√
31 *	Lights, signals and switches	• Check operation. • Adjust headlight beam.	√	√	√	√	√	√

### TIP

- Air filter
  - This model's air filter is equipped with a disposable oil-coated paper element, which must not be cleaned with compressed air to avoid damaging it.
  - The air filter element needs to be replaced more frequently when riding in unusually wet or dusty areas.
- Hydraulic brake service
  - Regularly check and, if necessary, correct the brake fluid level.
  - Every two years replace the internal components of the brake master cylinders and calipers, and change the brake fluid.
  - Replace the brake hoses every four years and if cracked or damaged.