Generator

KMG65E-S3 and KMG65E-S6

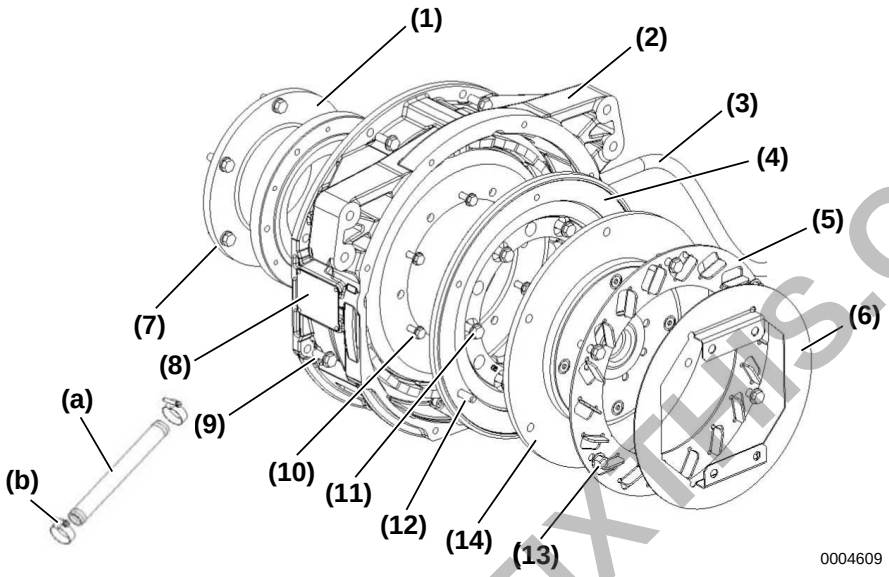


Figure 4

KMG65E-K3 and KMG65E-K6

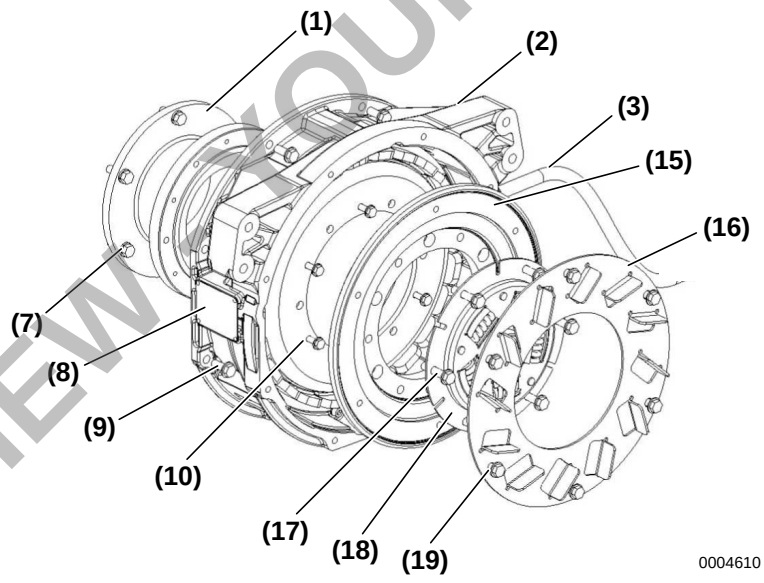


Figure 5

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TROUBLESHOOTING

TROUBLESHOOTING CHART

No.	Problem	Symptom	Possible Cause	Corrective Action
1	System does not start	Power Box is Running indicator does NOT light	12V DC wiring is disconnected or incorrect	Check the cables and cable connections.
2			Battery is too weak	Check the battery voltage. This system needs approximately 10 to 12V DC. The system can be started if there is enough battery capacity to start the engine.
3			Thermal switch	If you are restarting immediately after running with heavy load, allow the system to cool. Check the thermal switch cables. If these cables are disconnected or the thermal switch is damaged, the system will not run. If the thermal switch is damaged, see your authorized Yanmar marine dealer or distributor.
4			Faulty switch	Check the switch. If the switch is faulty, replace the switch. See your authorized Yanmar marine dealer or distributor.
5			Fuse blows out	Check the fuse on the panel. Replace if necessary. If the fuse continues to blow, see your authorized Yanmar marine dealer or distributor.
6			The Power Box is Running indicator LED blows out	Check the power box fans. If the fan is running and the indicator blows out, the LED must be replaced. See your authorized Yanmar marine dealer or distributor.
7			Power box	See your authorized Yanmar marine dealer or distributor.

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SPECIFICATIONS

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MAINTENANCE

This section of the *Operation Manual* describes the procedures for proper care and maintenance of this system.

⚠ DANGER

Explosion Hazard

NEVER check the remaining battery charge by shorting out the terminals. ALWAYS use a hydrometer to check the remaining battery charge.

If the battery electrolyte is frozen, slowly warm the battery before you recharge it.

ALWAYS disconnect the external power line from the boat and shut off all the power box output breakers before servicing the system.

Crush Hazard



ALWAYS use lifting equipment with sufficient capacity to lift marine generator.

NEVER support marine generator with equipment not designed to support the weight of the marine generator such as wooden pieces, blocks or by only using a jack.

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OPERATION

MARINE GENERATOR OPERATION

This section describes the procedure for performing daily checks and the operating procedures.

⚠ WARNING

Sever Hazard



Rotating parts can cause severe injury or death. NEVER wear jewelry, unbuttoned cuffs, ties or loose fitting clothing and ALWAYS tie long hair back when working near moving / rotating parts such as the flywheel or PTO shaft. Keep hands, feet and tools away from all moving parts.

Avoid continuous use of engine under heavy load. When electrical load and propeller load are both operated at engine rating speed, the engine may become overloaded. Yanmar recommends operating it at less than 2500 rpm.

Shift the marine gear into NEUTRAL any time the engine is at idle.

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SAFETY

Yanmar considers safety of great importance and recommends that anyone that comes into close contact with its products, such as those who install, operate, maintain or service Yanmar products, exercise care, common sense and comply with the safety information in this manual and on the machine's safety decals. Keep the decals from becoming dirty or torn and replace them if they are lost or damaged. Also, if you need to replace a part that has a decal attached to it, make sure you order the new part and decal at the same time.



This safety alert symbol appears with most safety statements. It means attention, become alert, your safety is involved! Please read and abide by the message that follows the safety alert symbol.

SAFETY PRECAUTIONS

⚠ DANGER

Indicates a hazardous situation which, if not avoided, *will* result in death or serious injury.

⚠ WARNING

Indicates a hazardous situation which, if not avoided, *could* result in death or serious injury.

⚠ CAUTION

Indicates a hazardous situation which, if not avoided, *could* result in minor or moderate injury.

NOTICE

Indicates a situation which can cause damage to the machine, personal property and / or the environment or cause the equipment to operate improperly.

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