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## MARINE SERVICE ADVISORY

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Advisory Number: MSA05-025

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DATE: October 20, 2005  
TO: All Marine Distributors  
SUBJECT: Engine Overheating  
MODEL: 3YM30

We have received reports of engine overheating on the 3YM30 model engines. In most instances the complaint can be resolved by following the troubleshooting steps outlined in Marine Service Advisory MSA05-023 to identify the cause and remedying it.

To provide a more robust cooling system for the 3YM30 model engines, Yanmar Marine has developed a new tube bundle for the heat exchanger that has additional tubes for increased cooling capacity. This new tube bundle provides a greater safety margin for the cooling system for when the efficiency of the system deteriorates over time from fouling of the tubes, seawater pump wear, etc.

Beginning with engine S/N E05566 the new tube bundle has been incorporated into production. For engines manufactured prior to this change, and there is an overheating complaint, please perform the following steps:

1. Verify the complaint and follow the steps outlined in Marine Service Advisory MSA05-023 to identify the root cause of the complaint.
2. Using a cooling system hydrometer test the coolant concentration and record it.
3. If everything checks good replace the heat exchanger tube bundle with the new style tube bundle.
4. When replacing the tube bundle first flush the entire freshwater cooling system including the water heater and other accessories, if equipped.

The follow parts will need to be ordered to install the new style tube bundle:

- 1 – 128990-44401 – Tube Bundle
- 1 – 128990-44071 – Bonnet Inlet
- 1 – 128990-44081 – Bonnet Outlet
- 2 – 128990-44100 – O-Rings

Please file a warranty claim in the customary manner for the replacement of the tube bundle referencing Service Advisory MSA05-025. Yanmar Marine will reimburse 2.0 hours of labor for this repair.

If you have any questions regarding this advisory please contact the Yanmar Marine USA Customer Support department at (770) 877-9894.