

STEERING GEAR SERVICE NEWS

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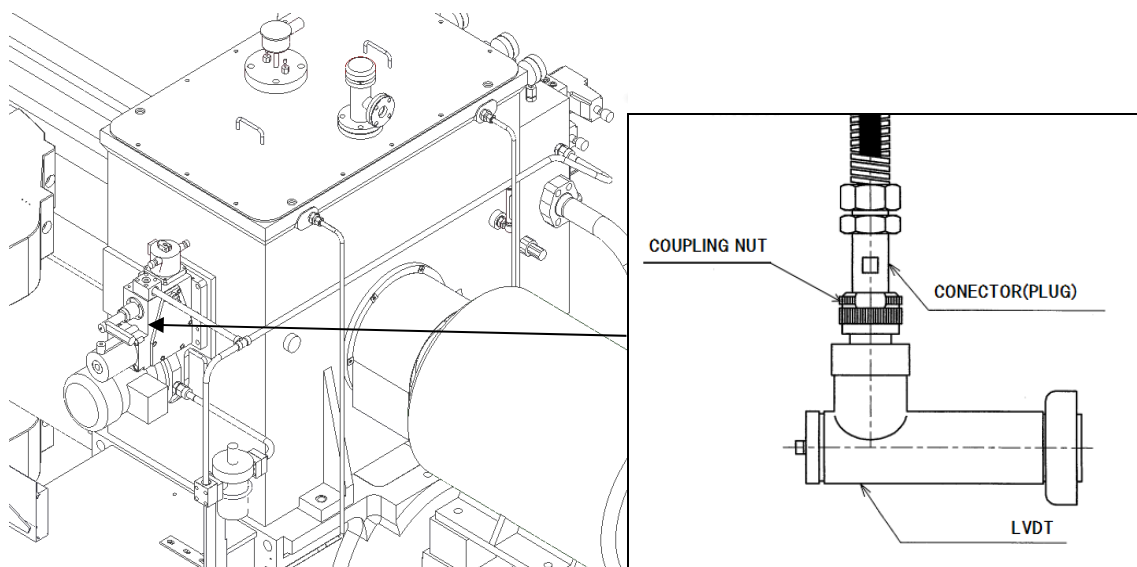
No.: E8-18-007

SUBJECT : Case Example of loss of Steering Ability Due to Looseness of the Connector for LVDT in E type Steering Gears

In the model RE/FE type steering gear, when the COUPLING NUT of the cable connector of the LVDT which is the sensor for monitoring the operation of the regulator performing the pump control becomes loose, contact failure may occur, the signal cannot be normally sent to the autopilot, and the ship may fall into an uncontrollable state. Since this part is not a moving part, it will not loosen easily if tightened properly using a tool such as a spanner. On the other hand, when tightening is performed without using a tool, sufficient tightening torque cannot be obtained and the possibility of loosening by vibration increases.

For safe navigation of the ship, also check the loose of the connector part at the inspection every 3 months described in the periodic inspection in the instruction manual, and make sure that there is no abnormality in the operation of the steering gear (tightening torque of COUPLING NUT is $3.92\text{N}\cdot\text{m}$ as guide). We recommend making match mark on the relevant parts with a marker pen etc., and managing so that you can easily observe loose connectors.

※Object type of Steering gear: All of RE/FE type



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