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**Subject: EM-80 and EM-300 Actuator Product Support Statement**

The EM-80 and EM-300 Actuators have been important products to Woodward for the (very) large-bore medium-speed engine market. The EM-80 and EM-300 have been used as fuel rack actuators for conventional 4-stroke medium speed diesel engines with a mechanical pump-line-nozzle fuel injection system.

Over the years, this market has transitioned towards Common Rail fuel injection systems, resulting in a very rapid decline of EM-80/300 Actuator sales for new engines. At the same time, the power density of the (very) large-bore medium-speed engines has increased significantly, resulting in an increasing number of early life failures of the EM-300 Actuator feedback system. Due to the diminishing of the new-build market, there is no commercial justification to develop a successor product for the EM-300 Actuator.

Next to the specific EM-300 situation, the market for the EM-80 has been declining year over year while minimum order quantities from suppliers have increased significantly. This caused an unbalance in the demand and supply situation which is unsustainable. Based on the analysis of the demand and supply situation Woodward is now announcing the end of life of the EM-80 and EM-300 Actuator systems.

Woodward has produced and supported the EM-80/300 Actuator system for many years and will continue to offer new sales of the EM-80/300 Actuator and support per attached support schedules.

This Product Support Statement is applicable to both the EM-80 and EM-300 Actuator system, which includes the driver module.

- EM-300 Actuator: The previously announced support schedule for last time buy of new units will be extended with 3 months. The new date is Jan 1st, 2021
- EM-80 Actuator: Will follow the updated EM-300 support schedule.
- Repair and overhaul for both the EM-80 and EM-300 Actuator will be offered at a flat rate price until the end of 2023. The lead time for a repair and overhaul is 6 weeks from receipt of the serviceable unit at the Woodward factory in Krakow - Poland.
- For new build EM-80, EM-300, repaired and overhauled units there is a 12-month warranty. The warranty is limited to certain applications. Your Woodward account manager will be able to inform you of the specific applications.



- There will be no repair or maintenance offered for the BUM-Driver (Baumüller). The multiple BUM-driver part numbers are replaced by the Stöber produced driver with Woodward part number 3522-1042.
  - Application note 51492 will provide guidance to retrofit a BUM-Driver with a Stöber

Please contact Woodward or your EM-80/300 Actuator supplier to discuss last time buy options.

EM-80 and EM-300 Actuator system support schedule:

Now - Jan 1<sup>st</sup>, 2021:

- Unlimited New Sales of EM-80/300 Actuators and Stöber Driver
- Unlimited Repairs

Jan 1<sup>st</sup>, 2021 - 2024:

- Unlimited New Sales of the Stöber Driver
- Unlimited Repairs of EM-80/300 Actuators

Jan 1<sup>st</sup>, 2024 - 2027:

- Repairs based on parts availability

Note – Component obsolescence from electronic manufacturers can present a challenge to post-life support plans. Woodward strives to hold inventory or look for alternative parts when the components we use are no longer available. However, there are times when components simply cannot be obtained and where sufficient last-time buys cannot be made. Unfortunately, in these cases Woodward cannot guarantee the rationalization support plan.

Yours Sincerely,  
Rick Boom