



Type Approval Certificate

This is to certify that the undernoted products have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER Governors America Corporation
720 Silver Street
Agawam, MA 01001
USA

PLACE OF PRODUCTION Governors America Corporation
720 Silver Street
Agawam, MA 01001
USA

PRODUCT DESCRIPTION Engine Governing Systems

PRODUCT TYPE consisting of:

Electronic Speed Control Units:	ESD 5100 Series, ESD 5500 * Series
with overspeed protection:	ESD 5200 Series, ESD 5300 Series ~, ESD 5400 Series, ESD 5550 Series
Actuators of external type:	120 Series ~, 225 Series *, 2000 Series ~
of integral type:	100 Series, 110 Series, 175 Series ~, 176 Series ~, 180 Series, 275 Series
Magnetic Speed Sensor:	MSP 67xy * x = variation in thread size

Certificate No. 02/60036(E3)
Issue Date 08 July 2019
Expiry Date 28 July 2023
Sheet 1 of 2


Hubert Palej
Americas Technical Support Office
Lloyd's Register Canada Limited



LR031.1.2016.06

Hubert Palej
Americas Technical Support Office

Lloyd's Register Canada Limited
5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

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	y = cable length resp. connector
Synchronizer:	SYC 6714 *
Load Sharing Modules:	LSM 201 * and LSM 672 *

APPLICATION	For use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register Test Specification No. 1, March 2019.
STANDARDS	Lloyd's Register Test Specification No. 1, March 2019. Rules and Regulations for the Classification of Ships, July 2018
ADDITIONAL TESTS	For components marked with * : Low Temperature Test (0°C/16hrs) and Dry Heat Test (70°C/2hrs) For components marked with ~ : Dry Heat Test (70°C/16hrs) and Low temperature test (0°C/2hrs)
CONDITIONS FOR APPLICATION	<ol style="list-style-type: none"> 1. Installation of this equipment for marine applications is to be in accordance with current Lloyd's Register Rules and Regulations. 2. An additional overspeed protective device independent of the Electronic Speed Governor is to be provided where stated in the relevant Rules.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

The application of this Type Approval Certificate will be limited to the relevant scope of the Specified Standards and acceptance thereof by the local authorities.

A periodical assessment of the Product Quality Assurance will be required to maintain the validity of the Type Approval of the product. This assessment by LR Surveyor is required 30 months after the date of issue of this Certificate.

Certificate No.	02/60036(E3)
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