

Chapter 61

Propeller

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GENERAL

The EXTRA 300S can be equipped with either a MTV-9-B-C/C 200-15 (3-blade) or MTV-14-B-C/C 190-17 (4-blade) propeller. Maintenance work or overhaul of the propeller requires consultation of the propeller manufacturer MT-Propeller.

Proper control, operation and maintenance of the propeller is described in the Operation- and Installation Overhaul Manual E-124 of the manufacturer.

61-10-00

PROPELLER

The MTV-Propellers are made of laminated wood encased in glass-fiber reinforced plastic, which is painted to make it waterproof.

The pitch change is conducted by a propeller governor. Once an engine rotational speed is selected it will be held constant at variations of airspeed and power.

Mechanical stops for low pitch and high pitch limit the pitch change level. In case of the oil pressure of the governor to be lost, the blades automatically return to high pitch, if the counterweights are installed. The oil pressure is single acting.

NOTE

For more information about the propeller refer to MT-Propeller Operation- and Installation Manual E-124.

IMPORTANT

If replacement of the propeller governor control cable is necessary, renew the sealing of the bushing grooves and gaps at the engine side of the firewall. Use PRC-812 (Products Research & Chemical Corporation, USA) firewall sealant.