

This Service Bulletin has been produced in accordance with approved Alternative Procedures to DOA EASA.AP356.

 INFORMATION OPTIONAL/RECOMMENDED MANDATORY**A. SUBJECT:**

Possible retrofit of Major Design Change - Propeller KW-31 and towing equipment.

B. AFFECTED AIRPLANES:

From S/N 17001 to 19002 inclusive.

C. REASON:

Aerospool spol. s r. o. issues this Service Bulletin in order to enable retrofit the propeller KW-31 and towing equipment as a Major Design Change of WT9 Dynamic LSA. For that purpose, the modifications listed in the section "D" must be performed.

D. REQUIRED ACTION:

Perform the modification of aircraft according to the procedure **WI-SBRTC-2019-1**. Modification includes:

Exterior Placards and Markings (ATA 11-20):

- Add placard "WEAK LINK MAX. 400 daN".

Interior Placards and Markings (ATA 11-30):

- Add WARNING placard with towing operation limitations.
- Add marking "CAMERA" below switch and circuit breaker.
- Add marking "PROPELLER" below the circuit breaker.
- Add marking "TOW RELEASE" on the tow release handle.
- Remark the switches due to layout change.
- Remark the circuit breakers due to layout change.

DC Generation (ATA 24-30):

- Replace the origin battery with 20 Ah battery.

Instrument panel (ATA 39-10):

- Change the layout of switches and circuit breakers on the instrument panel.
- Add switch "CAMERA" and add circuit breakers "PROPELLER" and "CAMERA".
- Connect the switches and circuit breakers according to AWM.
- Remove RPM indicator ROAD IF61.2B35.2301.
- Calibrate and install the propeller governor Flybox PR1-P
- Upgrade the Dynon SkyView SV-D1000 firmware to version 15.3.3.

Doors (ATA 52-10):

- Bond the rear-view mirror fitting on the left side of canopy frame.

Fuselage (ATA 53-10):

- Bond the installation tube in the rear section of fuselage for camera wiring.

Propeller Assembly (ATA 61-10):

- Replace the origin propeller with propeller KW-31.
- Install carbon brush housing
- Connect carbon brush housing and propeller governor according to AWM.

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- Enlarge the intake hole for water radiator in the lower engine cowling.

Engine Cooling (ATA 75-20):

- Install the cooling air distributor.
- Enlarge the intake hole in the water radiator holder and install the edge protection.

Towing equipment (ATA 95-10):

- Install the tow release and camera in the rear section of fuselage.
- Install the tow release handle and control mechanism.
- Install the rear-view mirror.
- Connect the camera with MFD (RH Dynon SkyView) according to AWM.

Adjustments and Checks:

- Perform function test of propeller blades adjustment.
- Perform adjustment and function test of tow release.
- Perform adjustment and function test of rear-view camera.
- Check the aircraft weight and balance after modification.
- Update the aircraft documentation (POH, POH Checklists, AMM, AWM)
- Perform the engine ground test.
- Perform the flight test.
- Export the and lock the EFIS settings.

E. COMPLIANCE:

Optional.

F. WEIGHT AND BALANCE:

Weight change: Determine by weighing after modification.

Moment change: Determine by weighing after modification.

G. ACTION CARRIED OUT BY:

- Approved Maintenance Organization

H. COSTS COVERED BY:

Costs covered by aircraft owner.

Costs related to cooperation with Approved Maintenance Organization other than aircraft manufacturer's maintenance organization (preparation of data, fixtures, templates, etc.) will be charged to the aircraft owner.

I. NECESSARY MATERIAL:

Necessary material will be supplied by aircraft manufacturer Aerospool, spol. s r. o.

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 INFORMATION OPTIONAL/RECOMMENDED MANDATORY**J. DOCUMENTATION:**

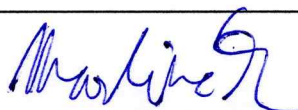
AS-POH-01-000 Pilot's Operating Handbook, Rev. 2 or later approved revision
AS-POH-01-001 Supplement No. 001 - Equipment List 1, Rev. 2 or later approved revision
AS-POH-01-003 Supplement No. 003 – Propeller KW-31 / Towing Operation, Initial issue or later approved revision
AS-POH-01-501 Pilot Checklists, Initial issue or later approved revision
AS-AMM-01-000 Aircraft Maintenance Manual, Rev. 2 or later approved revision
AS-AWM-01-000 Aircraft Wiring Manual, Rev. 2 or later approved revision

K. ENCLOSURES:

None.

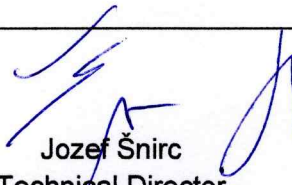
L. APPROVAL:

This Service Bulletin was issued on the base of Major Change Approval No. 10070607.



Vladimír Martinák
Head of Design Organisation

Position, Name, Signature



Jozef Šnirc
Technical Director

Position, Name, Signature