

Emergency Service Bulletin

Title: Motor Arm Compatibility and Identification Requirements

Date: March 2026

Summary:

FlightWave has introduced **updated motor assemblies** for the Edge 130 propulsion system.

Certain motors now include **identification markings**, indicating different internal motor variants.

Operating aircraft with **incompatible motor variants installed simultaneously** may result in propulsion imbalance and degraded flight performance.

This bulletin provides guidance on **motor identification and approved motor pairings** to ensure safe operation.

Affected Units

This bulletin applies to:

- **All Edge 130 aircraft currently operating in the field**
- **All aircraft equipped with removable motor arms**
- **Any aircraft that has received replacement or spare motor arms**

Operators must verify **motor identification markings prior to flight**.

Firmware Version: All

Category: Hardware / Propulsion

Safety System Impact: Critical

Mixing incompatible motor variants can result in:

- Asymmetrical thrust output
- Unbalanced propulsion performance
- Degraded flight stability
- Reduced flight control effectiveness
- Increased risk of loss of control

Airworthiness Impact:

Aircraft configured with **incompatible motor variants** may exhibit unstable flight characteristics and **must not be flown**.

Motor Identification:

Motor assemblies can be identified by **markings located on the underside of the motor arm near the base of the motor.**

Motor variants include:

Motor Type	Identification	Description
Legacy Motor	No marking	Original production motor
Motor Variant	-015-01	Updated motor variant
Motor Variant	-015-02	Updated CCW Motor Variant
Motor Variant	-016-01/02	New motor configuration

Approved Motor Configurations:

The following combinations are **approved for flight**:

Motor Arm 1	Motor Arm 2	Flight Status
-015-01 motor	-015-02 motor	Approved
-016-01 motor	-016-01 motor	Approved
-016-01 motor	-016-02 motor	Approved

Prohibited Motor Configurations:

The following combinations **must not be flown**:

Motor Arm 1	Motor Arm 2	Flight Status
-016-01 motor	Unmarked motor	NOT APPROVED
-016-01/02	-015-01/02	NOT APPROVED

Motor Configurations Requiring Customer Support:

Motor Arm 1	Motor Arm 2	Flight Status
-015-01/02 motor	Unmarked motor	CONTACT SUPPORT
Unmarked motor	Unmarked motor	CONTACT SUPPORT

Motors in the above configuration require **support contact** to identify and confirm flight readiness.

Required Action:

Before each flight, operators must:

- Inspect **both motor arms installed on the aircraft**
- Locate the **motor identification markings**
- Confirm the **motor variant installed on each arm**
- Verify the motors are installed in an **approved configuration**

If a **-016-01/02 motor is installed**, the opposite motor arm must **also contain a -016-01/02 motor**.

If incompatible motors are detected, **do not fly the aircraft** until the correct configuration is installed.

Contact Support:

For assistance with motor identification or replacement components, contact **FlightWave Technical Support**.

Email: support@flightwave.aero

Website: www.flightwave.aero

When contacting support, include:

- Aircraft serial number
- Motor arm part numbers (if available)
- Photos of motor markings

Appendix A: Motor Identification

Motor assemblies can be identified by **part number markings located on the underside of the motor arm near the base of the motor assembly.**

Certain motors will have **visible markings**, while earlier production motors may **not contain external markings**.

Motor variants include the following:

Motor Type	Identification	Description
Legacy Motor	No external marking	Original motor configuration used in earlier production units
Motor Variant - 015-01	Marked with -015-01	Updated motor variant compatible with legacy motors
Motor Variant - 016-01	Marked with -016-01	New motor configuration with revised performance characteristics



Figure 1 — Motor Part Number “-015”
(Old Motor Design)



Figure 2 — Motor Part Number “-016”
(New Motor Design)