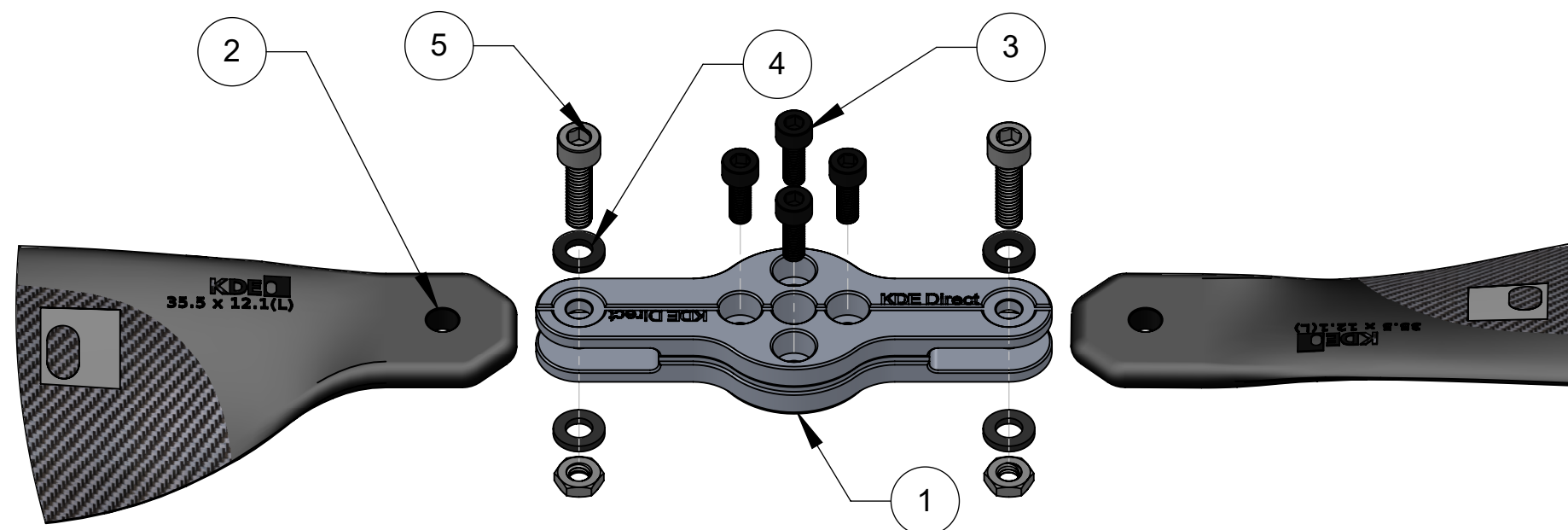


KDE DIRECT HEAVY-LIFT SP MULTI-ROTOR SERIES PROPELLER BLADE ADAPTER KDE-DPAHL-SP (AL 7075-T6)

STEP 1

ASSEMBLE HEAVY-LIFT MULTI-ROTOR SERIES PROPELLER BLADE ADAPTER (SP)

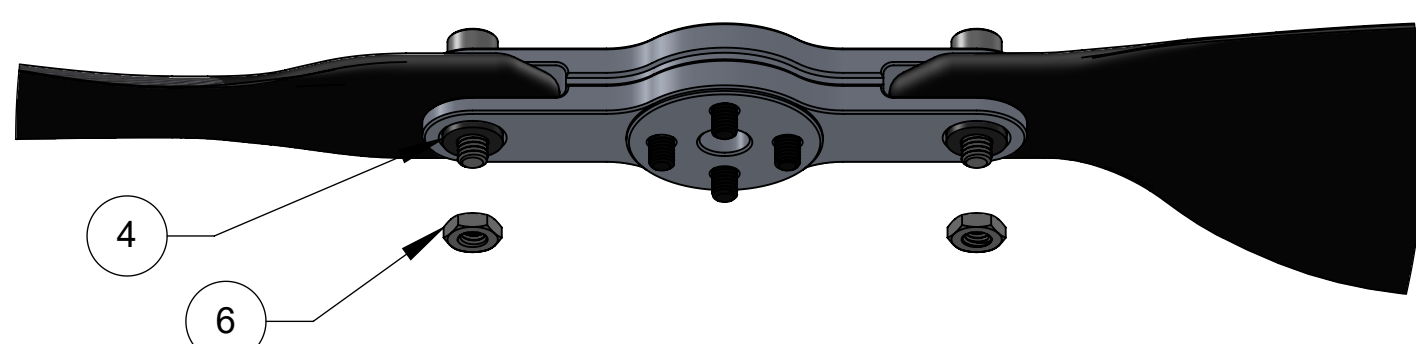
SEE NOTE



NOTE: APPLY MEDIUM-STRENGTH LOCTITE (BLUE 243 OR EQUIVALENT TO SOCKET HEAD CAP SCREWS DURING INSTALLATION)

STEP 3

INSTALL HEAVY-LIFT PROPELLER BLADE ADAPTER TO MULTI-ROTOR UAS BRUSHLESS MOTOR



APPLY MEDIUM-STRENGTH LOCTITE (BLUE 243 OR EQUIVALENT TO HEX JAM-NUT THREADS

FULLY-TIGHTEN HEX JAM-NUT AGAINST LOWER BASE FOR A MECHANICAL LOCK OF THE PROPELLER BLADE BOLT HARDWARE

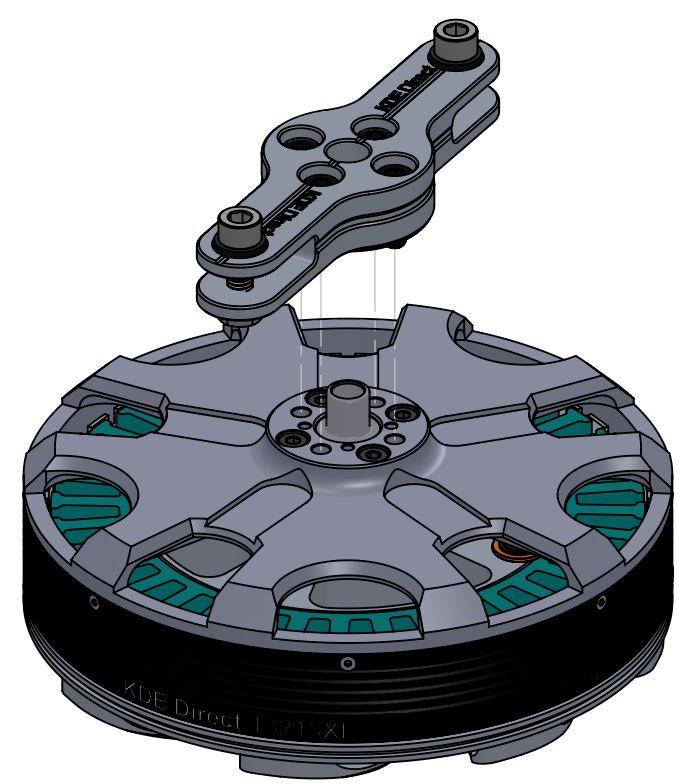
ENSURE THE PROPELLER BLADE BOLT DID NOT LOOSEN AFTER INSTALLING HEX JAM-NUTS

STEP 3

INSTALL HEAVY-LIFT PROPELLER BLADE ADAPTER TO MULTI-ROTOR UAS BRUSHLESS MOTOR

APPLY MEDIUM-STRENGTH LOCTITE (BLUE 243 OR EQUIVALENT) TO M5 MOUNTING SCREWS

TORQUE TO 10NM OR 90IN-LBS



ITEM NO.	DESCRIPTION	QTY.
1	KDE DIRECT HEAVY-LIFT MULTI-ROTOR SERIES SINGLE PIECE (SP) DUAL-PROPELLER BLADE ADAPTER - AL7075-T6	1
2	KDE DIRECT CARBON-FIBER PROPELLER BLADE, 35.5" X 12.1 (SHOWN AS REFERENCE, SOLD SEPARATELY, KDE-CF355-DP)	2
3	M5 X 0.8 X 14MM SOCKET HEAD CAP SCREWS (CLASS 12.9)	4
4	M6 X 12 X 1.2MM BLACK OXIDE STAINLESS STEEL WASHER	4
5	M6 X 1 X 22MM SOCKET HEAD CAP SCREWS (CLASS 12.9)	2
6	M6 X 1 X 3.2MM BLACK OXIDE STAINLESS STEEL HEX JAM NUT	2

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	Original production release.	01/01/2019	KDE

NOTE: THE KDE DIRECT HEAVY-LIFT MULTI-ROTOR SERIES PROPELLER BLADE ADAPTERS (SP) PROVIDE A PROFESSIONAL-QUALITY FOLDING-PROPELLER ASSEMBLY FOR MULTI-ROTOR BRUSHLESS MOTORS.

THE NEW (SP) VERSION UTILIZES M6 HEX JAM-NUTS FOR A MECHANICAL LOCK AND CONSISTENT HOLD TO THE SOCKET HEAD SHOULD CAP SCREWS DURING FLIGHT, REDUCING THE NEED TO READJUST AND CONTINUALLY MAINTAIN THESE CRITICAL SCREWS.

MAKE SURE TO INSPECT ALL SCREWS BEFORE FLIGHT FOR PROPER INSTALLATION AND HOLDING TORQUE FOR SAFE OPERATION.

STEP 1: ASSEMBLE THE DUAL-PROPELLER BLADE ADAPTER AS SHOWN.

INSTALL AND TORQUE PROPELLER BLADE BOLTS (M6 SOCKET HEAD SHOULD CAP SCREWS) TO THE SPECIFICATIONS TABULATED BELOW FOR PROPER BLADE TIGHTNESS AND IN-FLIGHT ROTATION.

PRE-CALIBRATED TORQUE WRENCHES ARE AVAILABLE THROUGH KDE DIRECT (SOLD SEPARATELY):

KDE-CF355: 6.0 in-lb (96.0 oz-in, 0.68 N-m)*

STEP 2: APPLY MEDIUM-STRENGTH LOCTITE (BLUE 243 OR EQUIVALENT) TO THE THREADS OF THE M6 HEX JAM-NUTS AND ASSEMBLE TO THE ADAPTER, THREADING ONTO THE EXPOSED SOCKET HEAD SHOULD CAP SCREW THREADS UNTIL THE HARDWARE IS FLUSH AGAINST THE LOWER BASE. FULLY TIGHTEN THE M6 HEX JAM-NUTS WITH A 10.0MM METRIC NUT OR ADJUSTABLE CRESCENT WRENCH.

STEP 3: ASSEMBLE THE DUAL-PROPELLER BLADE ADAPTER TO THE KDE DIRECT MULTIROTOR BRUSHLESS MOTOR, MAKING SURE TO APPLY MEDIUM-STRENGTH LOCTITE (BLUE 243 OR EQUIVALENT) TO ALL MOUNTING HARDWARE DURING ASSEMBLY.

FULLY TIGHTEN ALL HARDWARE AND CHECK BLADE PRESSURE FOR APPROPRIATE PROPELLER LEAD-LAG ROTATION DURING FLIGHT.**

* PROPELLER BLADES SHOULD BE ABLE TO ROTATE IN THEIR MOUNTING WITH SOME RESISTANCE
** OVERTORQUING PROPELLER BLADE BOLTS MAY CAUSE VIBRATIONS DURING OPERATION

