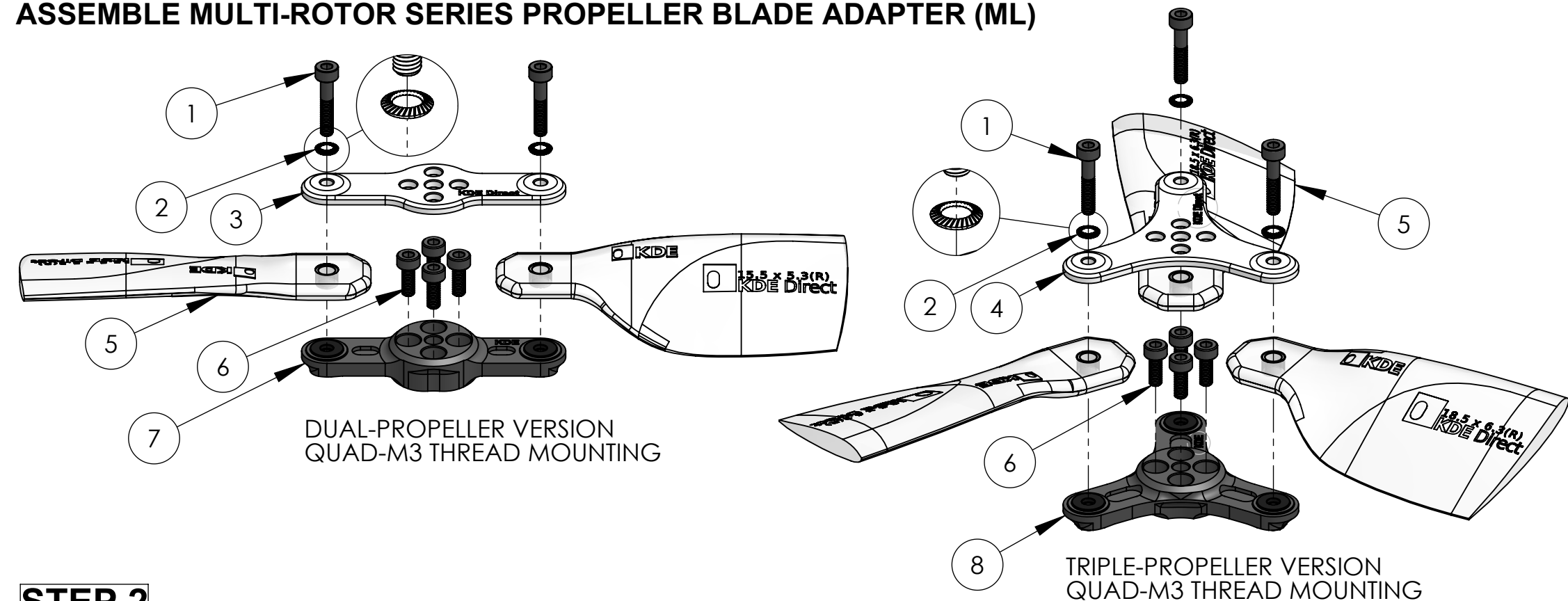


KDE DIRECT MULTI-ROTOR SERIES PROPELLER BLADE ADAPTERS (ML) KDE-DPA-V-M4, KDE-TPA-V-M4 (AL 7075-T6)

STEP 1

ASSEMBLE MULTI-ROTOR SERIES PROPELLER BLADE ADAPTER (ML)

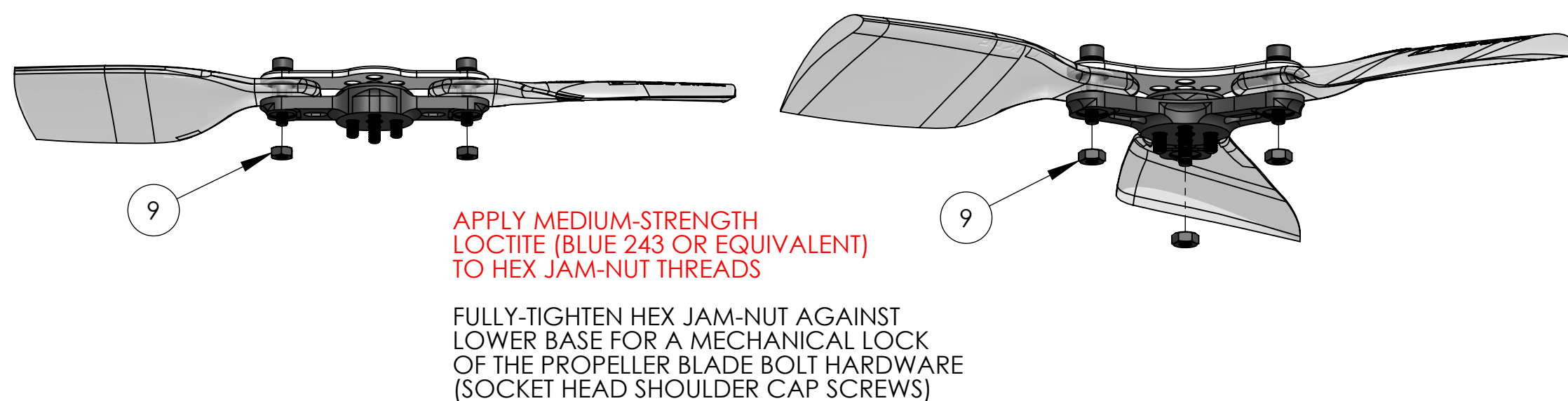


DUAL-PROPELLER VERSION
QUAD-M3 THREAD MOUNTING

TRIPLE-PROPELLER VERSION
QUAD-M3 THREAD MOUNTING

STEP 2

INSTALL M3 HEX JAM-NUTS FOR PROPELLER BLADE BOLT MECHANICAL LOCK



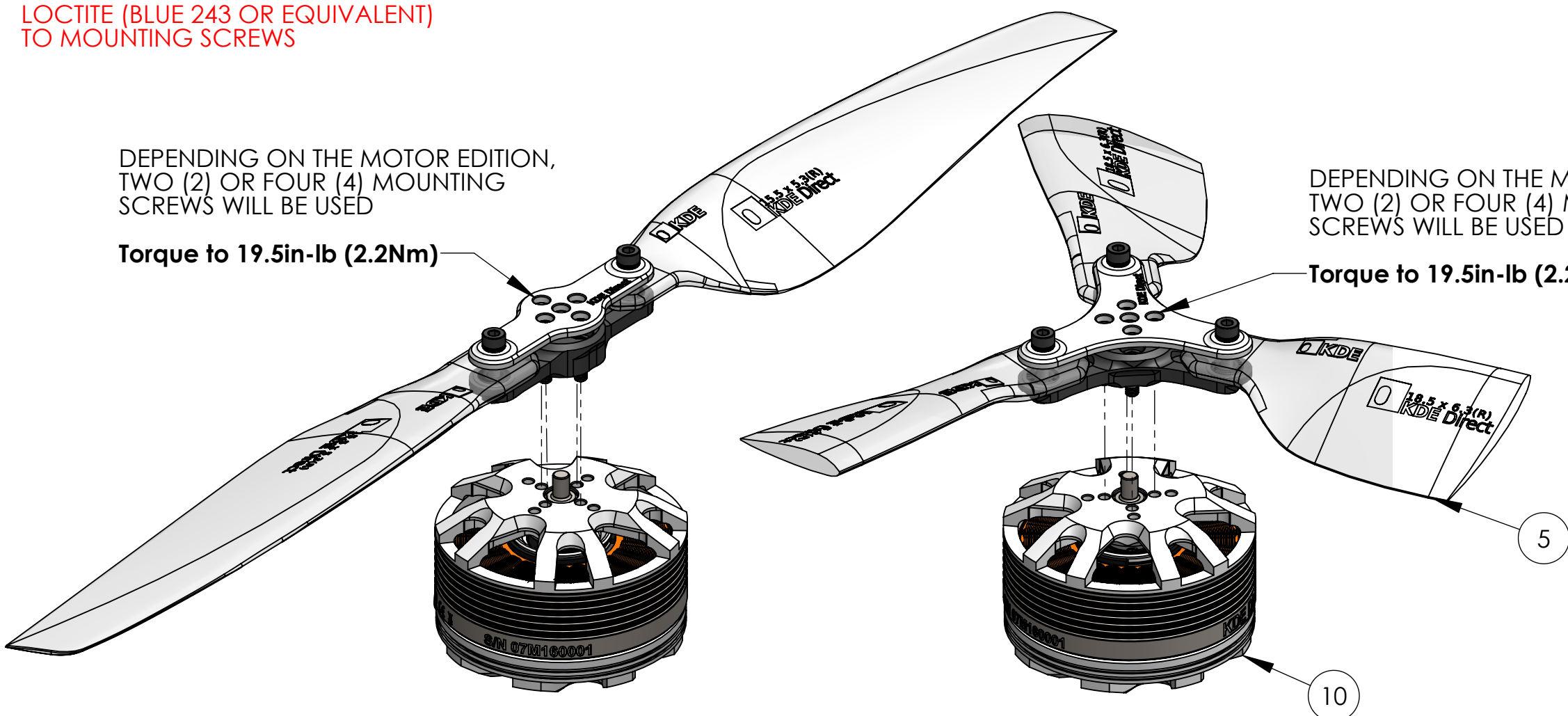
APPLY MEDIUM-STRENGTH
LOCTITE (BLUE 243 OR EQUIVALENT)
TO HEX JAM-NUT THREADS

FULLY-TIGHTEN HEX JAM-NUT AGAINST
LOWER BASE FOR A MECHANICAL LOCK
OF THE PROPELLER BLADE BOLT HARDWARE
(SOCKET HEAD SHOULDER CAP SCREWS)

STEP 3

INSTALL PROPELLER BLADE ADAPTER TO MULTI-ROTOR UAS BRUSHLESS MOTOR

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



DEPENDENT ON THE MOTOR EDITION,
TWO (2) OR FOUR (4) MOUNTING
SCREWS WILL BE USED

Torque to 19.5in-lb (2.2Nm)

DEPENDENT ON THE MOTOR EDITION,
TWO (2) OR FOUR (4) MOUNTING
SCREWS WILL BE USED

Torque to 19.5in-lb (2.2Nm)

ITEM NO.	DESCRIPTION	QTY.
1	M4 x 0.8 x 18MM SOCKET HEAD SHOULDER CAP SCREWS (CLASS 12.9) (PROPELLER BLADE BOLTS)	2/3
2	M4 x Ø7.0MM BELLEVILLE SPRING LOCK WASHER (C60S)	2/3
3	KDE DIRECT MULTI-ROTOR SERIES DUAL-PROPELLER BLADE ADAPTER (V-M4) - UPPER PLATE, CLEAR-ANODIZE, AL7075-T6 (M4 DELRIN INSERTS)	1
4	KDE DIRECT MULTI-ROTOR SERIES TRIPLE-PROPELLER BLADE ADAPTER (V-M4) - UPPER PLATE, CLEAR-ANODIZE, AL7075-T6 (M4 DELRIN INSERTS)	1
5	KDE DIRECT CARBON-FIBER PROPELLER BLADE, 15.5" x 5.3 (SHOWN AS REFERENCE, SOLD-SEPARATELY, KDE-CF155-DP/TP)	2/3
6	M3 x 0.5 x 8MM SOCKET HEAD CAP SCREWS (CLASS 12.9)	4
7	KDE DIRECT MULTI-ROTOR SERIES DUAL-PROPELLER BLADE ADAPTER (V-M4) - LOWER BASE, BLACK-ANODIZE, AL7075-T6 (M4 DELRIN INSERTS)	1
8	KDE DIRECT MULTI-ROTOR SERIES TRIPLE-PROPELLER BLADE ADAPTER (V-M4) - LOWER BASE, BLACK-ANODIZE, AL7075-T6 (M4 DELRIN INSERTS)	2/3
9	M4 x 0.8 HEX JAM-NUT (CLASS 10.9 SS)	1
10	KDE DIRECT 5215XF-435 MULTI-ROTOR UAS BRUSHLESS MOTOR (SHOWN AS REFERENCE, SOLD-SEPARATELY, KDE5215XF-435)	1

THE NEW (V-M4) VERSION USES M4 HEX JAM-NUTS AND BELLEVILLE SPRING LOCK WASHERS FOR A MECHANICAL LOCK AND CONSISTENT HOLD TO THE SOCKET HEAD SHOULDER CAP SCREWS DURING FLIGHT. MAKE SURE TO INSPECT ALL SCREWS BEFORE FLIGHT FOR PROPER INSTALLATION AND HOLDING TORQUE FOR SAFE OPERATION.

STEP 1: ASSEMBLE THE DUAL- OR TRIPLE-PROPELLER BLADE ADAPTER AS SHOWN. INSTALL THE M3 X 0.5 X 8MM SOCKET HEAD CAP SCREWS BEFORE THE UPPER PLATE IS ATTACHED.

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

KDE-CF125: 4.0-4.5 in-lb (0.45-0.50 N-m)
KDE-CF155: 4.5-4.875 in-lb (0.50-0.55 N-m)
KDE-CF185: 5.25-5.75 in-lb (0.60-0.65 N-m)
KDE-CF215: 5.75-6.6 in-lb (0.65-0.75 N-m)

STEP 2: APPLY MEDIUM-STRENGTH LOCTITE (BLUE 243 OR EQUIVALENT) TO THE THREADS OF THE M4 HEX JAM-NUTS AND ASSEMBLE TO THE ADAPTER, THREADING ONTO THE EXPOSED SOCKET HEAD SHOULDER CAP SCREW THREADS UNTIL THE HARDWARE IS FLUSH AGAINST THE LOWER BASE. FULLY TIGHTEN THE M4 HEX JAM-NUTS.

STEP 3: ASSEMBLE THE DUAL- OR TRIPLE-PROPELLER BLADE ADAPTER TO THE KDE DIRECT MULTI-ROTOR BRUSHLESS MOTOR, MAKING SURE TO APPLY MEDIUM-STRENGTH LOCTITE (BLUE 243 OR EQUIVALENT) TO ALL MOUNTING HARDWARE DURING ASSEMBLY. DEPENDENT ON THE MOTOR EDITION, TWO (2) OR FOUR (4) MOUNTING SCREWS WILL BE USED. TORQUE THE M3 X 0.5 X 8MM SCREWS TO THE FOLLOWING SPEC:

M3 X 0.5 X 8MM: 19.5 in-lb (2.20 N-M)

