



Kymeta™ u8 MRZR Mount Installation Instructions

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1 About this document

This document describes how to install the Kymeta™ u8 MRZR mount (U8ACC-00023-0) on the Kymeta Hawk™ u8, Kymeta Goshawk™ u8, and Kymeta Osprey™ u8 user terminals (UTs).

2 What's in the kit

Bash guard

- (2) bash guard side plate
- (2) bash guard tube
- (4) 1/4-20 × 1 in. hex head serrated flange bolt

MRZR mount

- (2) rubber padded rail
- (4) M10 socket head cap screw (use 4 screws appropriate for your UT; refer to [*Section 5 Select the correct screws*](#) and choose from the labeled bags A, B, C, or D)
- (4) 1 in. outer diameter × 1.25 in. spacer (for UT configurations starting with U87XX-)
- (6) M8 × 45 mm hex head serrated flange bolt
- (6) M8 serrated flange locknut
- (4) 1/4 in. × 1.875 in. clevis pin
- (1) Loctite 262

3 Tools required

The following tools are required for installation but are not included in the kit:

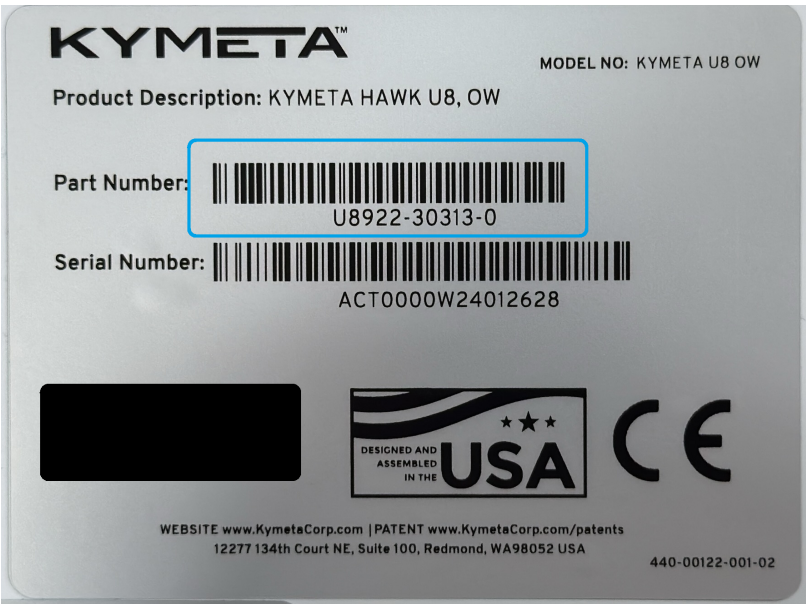
- 3/8 in. socket
- 13 mm socket
- 13 mm wrench
- 8 mm hex bit socket
- torque wrench rated to: minimum: 10.8 N-m (8 ft.-lb.), maximum: 33.9 N-m (25 ft.-lb.)

4 Before you start

Before you install any components, refer to *Kymeta u8 products safety and handling guide (700-00122-000)* to familiarize yourself with the key steps to remember while installing the u8 products, components, and accessories.

5 Select the correct screws

Before installing the MRZR mount accessory, select the correct screws for your UT. Incorrect screws can damage the antenna. To verify, check the part number on your UT’s product label located on the bottom of the UT (shroud); see the picture below for the reference. >

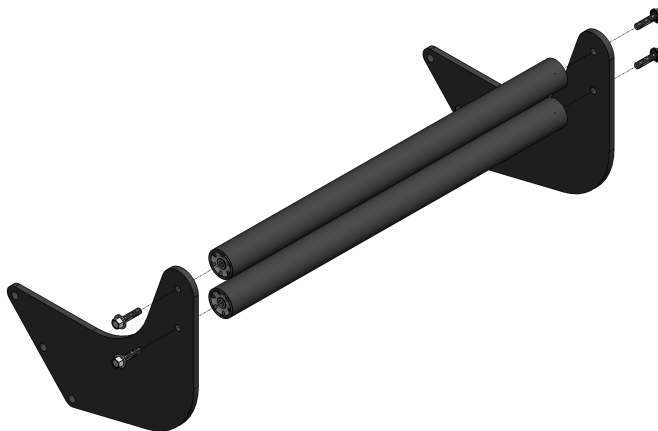


Part Number Prefix	Terminal Description	Screw Type
U8711	KYMETA U8 GEO MIL TERMINAL	Bag B: M10 × 1.25 mm × 80 mm socket head cap screw
U8721	KYMETA OSPREY U8	Bag C: M10 × 1.5 mm × 80 mm socket head cap screw
U8811	KYMETA U8 GEO GOV TERMINAL	Bag D: M10 × 1.25 mm × 45 mm socket head cap screw
U8901	KYMETA U8 GEO ODU KYMETA U8 GEO IQ200	Bag D: M10 × 1.25 mm × 45 mm socket head cap screw
U8902	KYMETA HAWK U8 – GEO ODU KYMETA HAWK U8 – GEO IQ200	Bag A: M10 × 1.5 mm × 45 mm socket head cap screw
U8911	KYMETA U8 GEO TERMINAL, LTE ADV PRO	Bag D: M10 × 1.25 mm × 45 mm socket head cap screw
U8912	KYMETA HAWK U8 – GEO	Bag A: M10 × 1.5 mm × 45 mm socket head cap screw
U8922	KYMETA HAWK U8 – ONEWEB	Bag A: M10 × 1.5 mm × 45 mm socket head cap screw
U8932	KYMETA HAWK U8 – ONEWEB, LTE ADV PRO	Bag A: M10 × 1.5 mm × 45 mm socket head cap screw
U88	KYMETA GOSHAWK U8	Bag A: M10 × 1.5 mm × 45 mm socket head cap screw

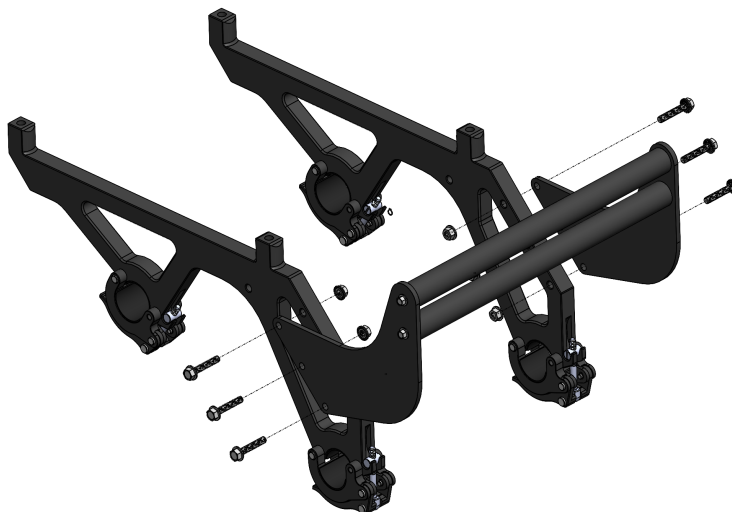
6 Install the MRZR mount

6.1 Assemble and install the bash guard

1. Connect the bash guard side plates to the bash guard tubes. Thread the 1/4-20 × 1 in. hex head serrated flange bolts through the bash guard side plates and into the bash guard tubes. Torque to 10.8 N-m (8 ft.-lb.) minimum using the 3/8 in. socket.

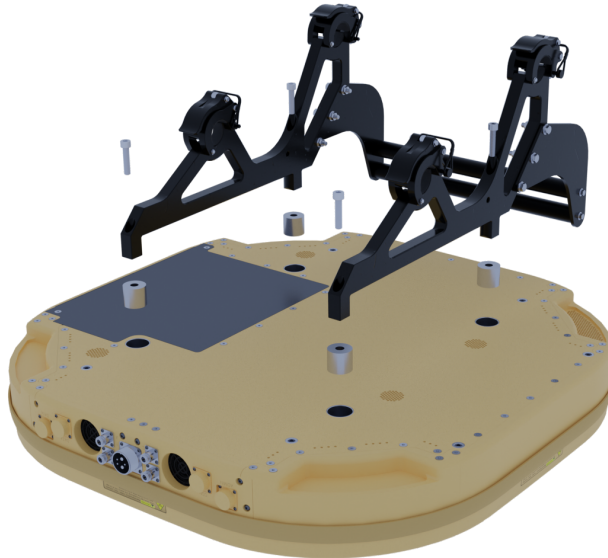


2. Install the bash guard onto the rubber padded rails using six M8 × 45 mm hex head serrated flange bolts and six M8 serrated flange locknuts per rail (six of each total). Torque to 25.8 N-m (19 ft.-lb.) minimum using a 13 mm socket and 13 mm wrench.



6.2 Install the MRZR mount onto the UT

1. Refer to [Section 5 Select the correct screws](#) to select the correct four socket head cap screws.
2. Place the UT with the radome side facing down, on a clean, cushioned surface to prevent damage.
3. For UT configurations starting with U87XX-, install (4) 1 in. outer diameter × 1.25 in. spacers to the UT mounting points.



4. Place the MRZR mount on the UT, ensuring the bash guard faces away from the antenna fans. Align the mount's holes with the UT's holes.
5. Apply Loctite 262 to the four socket head cap screws. Secure the MRZR mount to the UT using the 8 mm hex bit socket. Torque to 33.9 N-m (25 ft.-lb.). See [Appendix A. Loctite 262 instructions](#) for proper application information.

6.3 Mount the assembly onto the MRZR

⚠ Keep your fingers and other extremities clear of pinch points when opening and closing the latches while mounting the assembly onto the MRZR.

1. With a minimum of two people, lift the UT assembly onto the MRZR cage.
2. Close the latches and check the latch tension. Do not use tools to close latch.
 - If the latch is too loose, thread the dowel nut onto the rod end in ½ turn increments until the latch is snug.
 - If latch will not close, it is too tight. Unthread the dowel nut in ½ turn increments until the latch can close.
3. Insert the clevis pin through latch and rail and flip the wire bail over the pin to secure it.

7 Customer support

Contact Kymeta customer support at support@kymetacorp.com or call Kymeta **1-855-525-6638** for urgent issues.

8 Revision history

Revision	Change
A	Initial release.
B	Updated tool list and parts list.
C	Updated for Osprey u8 installation instructions.
D	Updated Loctite 262 instead of Loctite 242.
E	Updated hardware. Added directions pre-update terminals.
F	Updated hardware and corresponding installation instructions.
G	Updated hardware for wider compatibility.

9 Copyright and trademark information

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Appendix A. Loctite 262 instructions

Loctite Threadlocker Red 262 is designed for the locking and sealing of threaded fasteners which require normal disassembly with standard hand tools. The product cures anaerobically when there is an absence of air between close fitting metal surfaces. It protects threads from rust and corrosion and prevents loosening from shock and vibration. For technical specifications and material safety, see the [Loctite Technical Data Sheet](#) and the [Loctite Safety Data Sheet](#).

 Loctite 262 causes skin and eye irritation, may cause damage to organs through prolonged or repeated exposure.

Prevention and response

Do not breathe vapors, mist, or spray. Wash affected area thoroughly after handling. Wear protective gloves.

Take off contaminated clothing. If on skin: wash with plenty of water. If skin irritation occurs, get medical attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if you feel unwell. If eye irritation persists, get medical attention.

For full response and safety details, see the [Loctite Safety Data Sheet](#).

Typical application properties

Parameter	Specification
Application temperature	Apply above 10 °C (50 °F)
Odor	Minimal
Set time	10 minutes on active metals (steel). Longer for less active metals.
Cure time	24 hours (dependent on temperature and the type of material being bonded)
Viscosity	1200.0 - 2400.0 mPa·s (cP)

Typical application instructions

Apply a 360° bead of product to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads to thoroughly fill the voids. For bigger threads and voids, adjust product amount accordingly and apply a 360° bead of product on the female threads also. Loctite applied in this manner will provide a water and dust resistant seal.