

Removing or Installing the Intensifier (PN 500141) on an E-Series System

The 500141 Intensifier is a small, inverted, cone centered over the E-Series transducer by four stainless wires. The wires are held by a black plastic ring pressed into the transducer well.

If an AFA protocol requires “no Intensifier”, please remove the Intensifier, using the following steps:

1. Empty the water bath. Start the instrument and start the SonoLab software.
2. Wait for the homing sequence to complete (the transducer will be lowered with the rack holder at the home position, allowing easy access to the Intensifier).
3. Grasp opposite sides of plastic ring and gently pull the entire assembly out of the transducer well. Do not pull on the steel cone or the wires. The ring is a friction fit in the well – no hardware is used to hold it in place.



The 500141 Intensifier (left) shown installed in the E-Series transducer well and (right) removed. Note the “UP” marking at the center of the Intensifier.

If a protocol requires the Intensifier to be present, simply reverse this process:

4. Align the black plastic ring with the perimeter of the transducer well. Note that the flat side of the center cone (marked UP) should be facing up (away from the transducer).
5. Gently press each section of the ring into the well until the ring is seated uniformly in contact with the transducer, with approximately 2 mm of the ring evenly exposed above the transducer assembly. Do not press on the cone or wires. The rotation of the ring relative to the transducer assembly is not important.
6. Refill the water tank. Degas and chill the water before proceeding.

Technical Support

Ongoing assistance with the operation or application of the equipment and/or troubleshooting is provided via:

- Telephone:
 - US: +1 781.932.3959, during the hours of 9:00 a.m. to 4:00 p.m. (EST), Monday through Friday
 - EU: +44 (0)845 872 0100, during the hours of 9:00 a.m. to 5:00 p.m. (GMT), Monday through Friday
- E-mail instrumentation queries to techsupport@covaris.com and application queries to applicationsupport@covaris.com

Revision History

Document Part #	Revision	Date	Description of change
010111	A	04/2016	Creation of original document
010111	B	01/2020	Update information, images, and technical support
010111	C	11/2022	Update information and formatting