USER MANUAL

KEEP THIS MANUAL – DO NOT LOSE

THIS MANUAL IS PART OF THE **ODI-II** SYSTEM AND MUST BE RETAINED FOR THE LIFE OF THE PRODUCT. PASS ON TO SUBSEQUENT OWNERS.
Ensure any amendments are incorporated with this document.

WARNING! DO NOT DISASSEMBLE. No user-serviceable parts.
Disassembling any of the components in this product, beyond the instructions in this user manual, could void the regulatory certifications and/or effect the safety of the product.

The **WEEE** symbol indicates that the product must not be disposed of as unsorted municipal waste, but should be collected separately.

1 INTENDED USE

The **ODI-II** is a mini encoder designed to provide the encoded position of two probes along the scan axis.

2 SPECIFICATIONS

Clamp width:	45 mm *(1.75 in)*
Encoder wheel diameter:	20.37 mm *(0.8 in)*
Encoder resolution:	16.00 counts/mm *(406.4 counts/inch)*
Environmental sealing:	Watertight (submersible), Contact JIREH for details
Weight:	0.36 kg *(0.8 lb)*
Operating environment:	-20°C *(-4°F)* to 50°C *(122°C)*

3 MAINTENANCE

Wipe the scanner clean as required. Do not soak or submerge the scanner in cleaner or solvent of any kind.

4 PREPARATION FOR USE

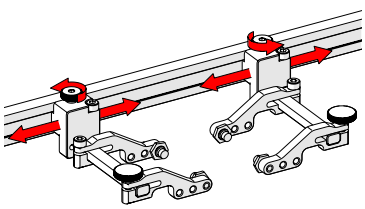


Fig. 1 - Frame bar positioning

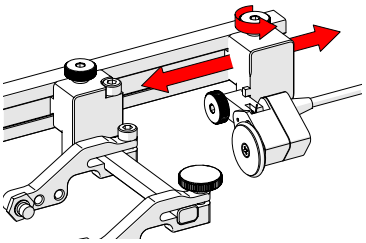


Fig. 2 - Encoder positioning

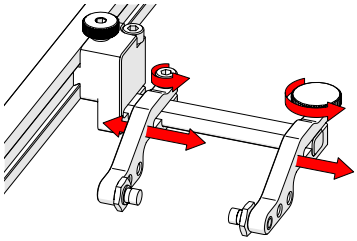


Fig. 3 - Probe holder arm adjustment

4.1. Probe Holder Setup

1. Loosening the probe holder adjustment knobs *(Fig. 1)* allow the probe holders to be positioned along the frame bar.
2. The encoder position may be adjusted by loosening the encoder adjustment knob *(Fig. 2)*.
3. Position the probe holder arms after loosening the arm clamp screw or probe holder arm adjustment knob *(Fig. 3)*.
4. Loosen the probe holder arm adjustment knob to remove the probe holder arm *(Fig. 3)*.

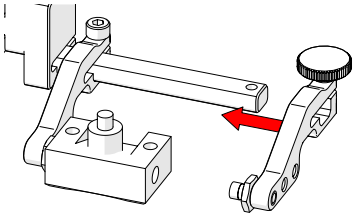


Fig. 4 - Mount wedge

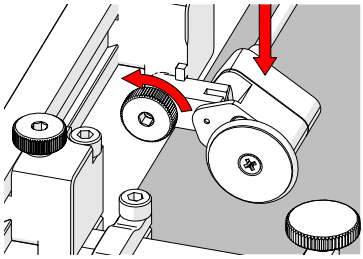


Fig. 5 - Lower encoder wheel

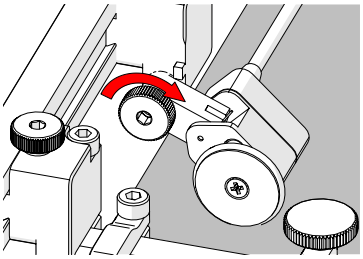


Fig. 6 - Ensure spring tension

5. Place the wedge on the inner probe holder arm's button and clamp in place with the outer probe holder arm *(Fig. 4)*. Tighten the probe holder arm adjustment knob.

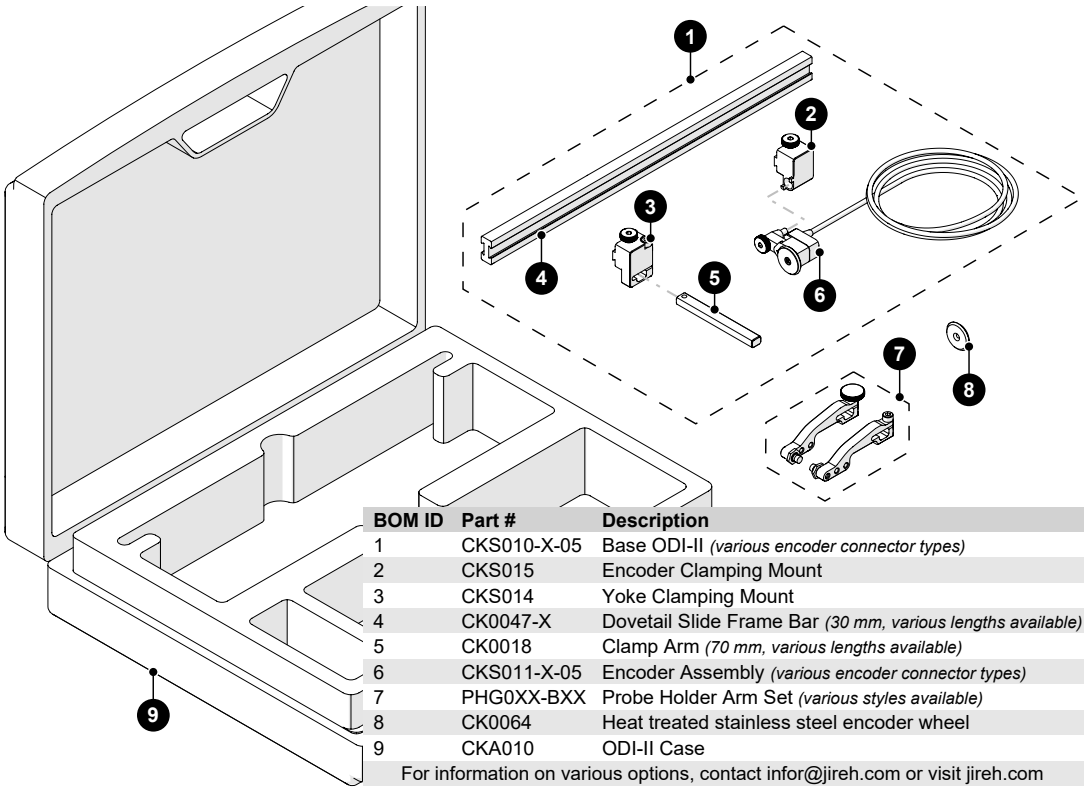
4.2. Encoder Setup

1. Loosen the encoder's thumb screw and lower the encoder wheel's pivot joint towards the scan surface *(Fig. 5)*.
2. Tighten the encoder thumb screw and ensure adequate spring tension of the encoder wheel to the scan surface *(Fig. 6)*.

5 TROUBLESHOOTING

Encoder not incrementing	Encoder wheel not in contact with scan surface	Rotate pivot joint until wheel is in contact with scanning surface and spring joint is slightly depressed. *(see 4.2. Encoder Setup)*
	Encoder connector not properly connected to scanning device	Check scanning devices instructions to properly connect an encoder.

6 SPARE PARTS



BOM ID	Part #	Description
1	CKS010-X-05	Base ODI-II *(various encoder connector types)*
2	CKS015	Encoder Clamping Mount
3	CKS014	Yoke Clamping Mount
4	CK0047-X	Dovetail Slide Frame Bar *(30 mm, various lengths available)*
5	CK0018	Clamp Arm *(70 mm, various lengths available)*
6	CKS011-X-05	Encoder Assembly *(various encoder connector types)*
7	PHG0XX-BXX	Probe Holder Arm Set *(various styles available)*
8	CK0064	Heat treated stainless steel encoder wheel
9	CKA010	ODI-II Case

For information on various options, contact infor@jireh.com or visit jireh.com