



# Installation Instructions for Uniguard<sup>®</sup> ANSI B11.0, B11.19, EN953 Coupling Guard

READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

## SAFETY FIRST!

*Coupling guards used in an ATEX classified environment must be constructed from a non-sparking material.*

*Uniguard<sup>®</sup> Machine Guards are non-sparking and do not conduct static electricity.*

*Under certain circumstances there is a possibility of static charge build up.*

## WARNING

*Before assembly or disassembly of the coupling guard is performed, the motor must be de-energized, the motor controller/starter put in a locked-out position and a caution tag placed at the starter indicating the disconnect.*

**Replace coupling guard before resuming normal operation of the pump.**

*Uniguard Machine Guard Company assumes no liability for avoiding this practice.*

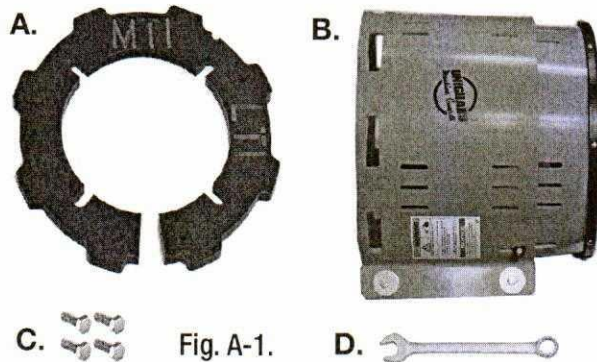
## Uniguard Machine Guards

Simplicity of design allows complete assembly of the coupling guard, in approximately five minutes. If the adapter ring is already in place, assembly can be accomplished in approximately two minutes.

Assembly:

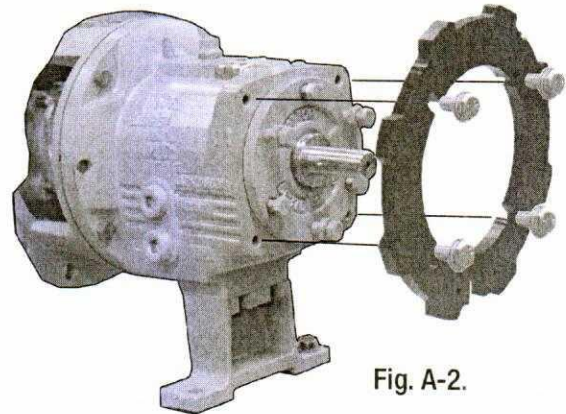
Go to step 1.B if you are installing a XLTi guard.

1. STi, MTi, LTi - Align adapter ring to the bearing frame. (No impeller adjustment required.) Attach the adapter ring to the bearing frame using the mounting bolts as shown in Fig. A-2.



A. ADAPTER RING    B. TELESCOPING BARREL  
C. 3/4" MOUNTING BOLTS    D. 9/16" BOX END WRENCH

## STi, MTi, LTi Adapter Ring Installation



1.B. XLTi - Align the adapter ring (pump end) to the pump bearing housing so that the large slots on the end plate clear the bearing housing tap bolts and the small slots are aligned to the impeller adjusting bolts. Attach the adapter ring to the bearing housing using the mounting bolts as shown in Fig. A-2.B.

After the end plate is attached to the bearing housing, the impeller clearance\* must be checked and reset.

*\*Refer to the Goulds 3196 Installation, Operation, and Maintenance Manual for further details on setting impeller clearance.*

### XLTi Adapter Ring Installation

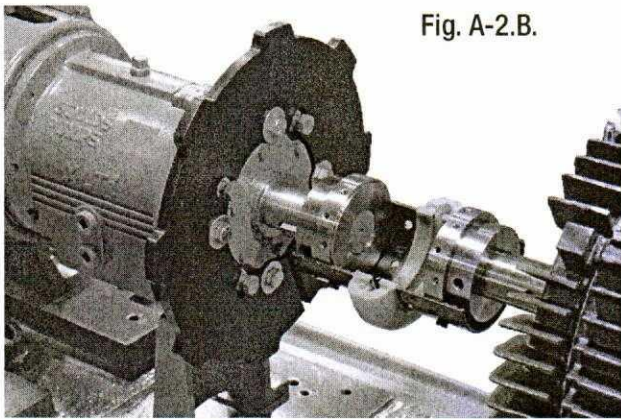


Fig. A-2.B.

3. Separate the flanged side of the telescoping barrels (pump end) slightly and wrap guard around Uniguard™ adapter ring while aligning openings into cogs of adapter ring as shown in Fig. A-4.

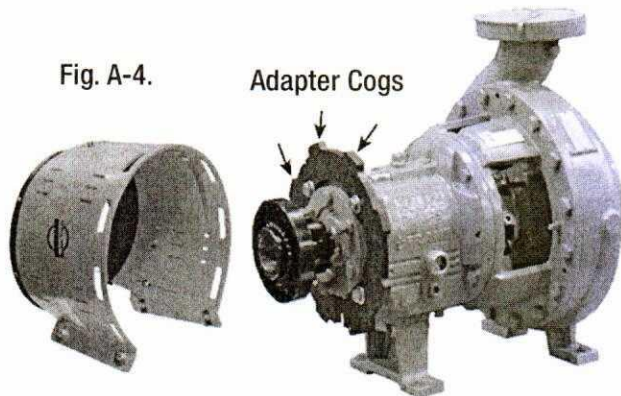


Fig. A-4.

Adapter Cogs

4. Ensure that all cogs and openings are seated securely, then close guard and tighten 3/8" captive fastener bolts securely as shown in Fig. A-5.

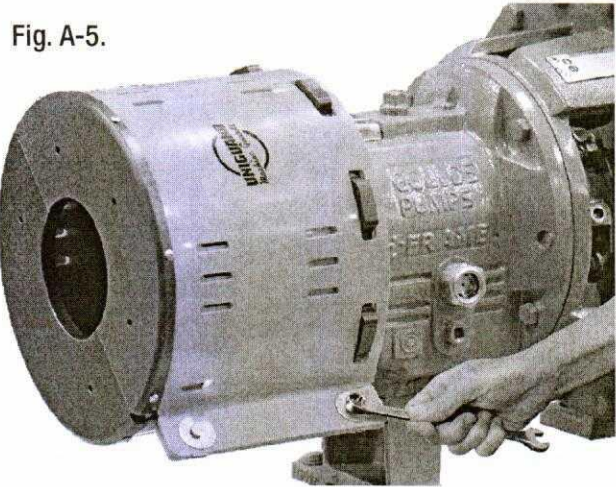


Fig. A-5.

5. Extend the inner telescoping barrel (motor end) until it meets the surface of the motor. Ensure that there is no more than 1/4" gap between guard and motor as shown in Fig. A-6. Non-removable guide pins provide a friction fit and hold extended guard in place.

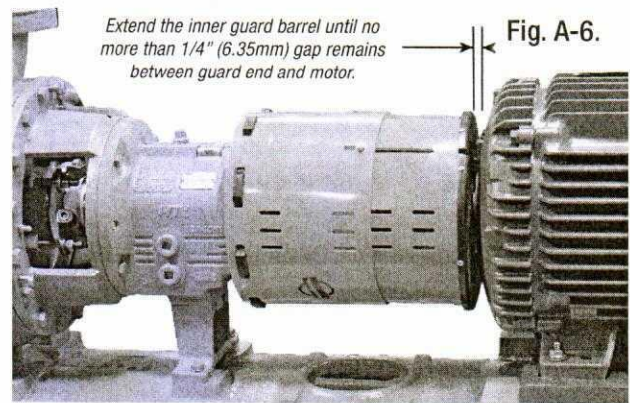


Fig. A-6.

6. Note: If the guard barrel is removed often, the pins that provide a friction fit can lose effectiveness. If this is encountered, immediate guard barrel replacement is recommended.