

OPERATING INSTRUCTIONS & WARRANTY

AA02-500-021 INVERT-A-BOLT™ FASTENER

1-877-462-BOLT

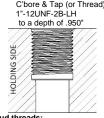
Your Elijah Tooling, Inc. Invert-A-Bolt™ (IVB) fastener has been manufactured to provide low cost, high value performance combined with ease of use. This IVB fastener is a patented product, ideal for connecting two materials or objects together especially when an unohtrusive connection is desired. AA02-500-021 has incorporated some new features that improve its function as well as reducing or eliminating maintenance. Look for these new capabilities: a top seal to prevent debris from entering the cavity and more insertion tool holes to increase the application of torque when installing. In short this product is the best quick-change fastener on the market - the gold standard!

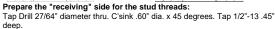
OPERATING INSTRUCTIONS

Usage of your IVB fastener requires simple preparation of the "holding" side for the housing threads and preparation of the "receiving" side for the stud threads.

Prepare the "holding" side in the following manner:
Drill a 3/4" diameter (thru) hole C'bore & Tap (or Thread) Drill a 3/4" diameter (thru) hole C'Bore .92/.928" x .015"R to a depth of 1.152" HOLDING SIDE

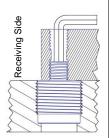
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For better resistance against vibration on the receiving side, use a Spiralock® tap. Once the "holding" side and the "receiving" side have been prepped, simply screw your IVB fastener into the 1*-12 threaded hole with P/N AAO2-004-004 insertion tool. Torque to 45-50 ft. lbs maximum. Recommended: PRO-1 in-line pneumatic torque limiting wrench such as that shown at

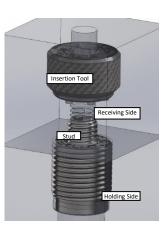
https://elijahtooling.com/products/pro-1-torque-limiting-pneumatiimpact-wrench-with-adapter. Place the "receiving" side 1/2"-13 tapped hole directly above the IVB fastener. Reach through the 1/2"-13 hole with your hex head wrench until contacting the hex head broach in the IVB stud. Start turning counter-clockwise and the stud will advance immediately. Tighten until the stud is fully engaged (approximately .40 inches into the "receiving" side) at 35 ft.lbs. Use a feeler gauge to ensure that the "receiving" side material is pulled down properly.



REPLACEMENT PARTS & MAINTENANCE

Periodically remove IVB fastener for cleaning as required. The top seal should prevent much of the debris from entering, but not all. The fastener can be disassembled by removing the cover in the base of the product, which then can be blown out to clean out accumulated metal chips and debris. Reassemble & Reinstall. If necessary, refurbishment parts to replace any or all of the internal components of the IVB fastener are available for sale. Refer to part number AA02-500-021RFB for entire kit. Inquire or check www.elijahttooling.com regarding part numbers for the individual components. Note: the top seal cannot be

IVB fastener shown as installed with insertion tool



1/2-13 dia. Stud x 1.00-12 dia LH Housing 1/4" hex Fastener P/N: AA02-500-021

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LIMITED WARRANTY

We warrant that within 90 days from the date of shipment, if the product manufactured by us and sold by us (or an authorized distributor) is in the possession of the original buyer, we will replace or repair, at our option, free of charge, any part or parts which upon examination are found to be defective in workmanship or material, and not due to normal wear, provided that, upon our request, the product or parts thereof are returned to our location, with accompanying documentation that the product has been installed, used and maintained in accordance with instructions and has not been subject to abuse. We shall not be liable or responsible for any expense or liability for responsible for any expense or liability for some response additions or prodifficiance made upon the product without or written consent.

instructions and has not been subject to abuse. We shall not be liable or responsible for any expense or liability for repairs, additions, or modifications made upon the product without our written consent. This warranty is in lieu of all other express or implied warranties (including without limitation any warranty of merchantability or fitness for a particular purpose). In no event shall we be liable for any indirect, special, or consequential damages (including, but not limited to, lost profits or other damages from loss of production) caused by defective material, or by unsatistationy performance of the product, or by any other breach of contract by us.

The Elijah Tooling, Inc. Warranty shall apply in all cases to all products manufactured by us and sold by us. Elijah Tooling, Inc. reserves the right to modify or change the design of products shown in this specification/instruction sheet, without notice. Such modifications or changes may include, but are not limited to, changes in finish, materials, specifications, etc., from descriptions and illustrations of products listed herein.

Proviso: The IVB fasterer is not certified to any specification. If loading is a concern, you should perform your own load analysis prior to usage in an application. Shear and Tensile Load information for some invent-A-Boh!" products is available on our website at www.invert-a-bolic.com. The IVB fasterier should be used in only two positions – fully engaged and fully dengaged.

