



## **Olympic Installations Tools**

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### **INSTRUCTIONS FOR THE USE AND MAINTENANCE FOR THE RV74G INSTALLATION TOOL (Formerly the RV73G tool)**



#### **Description:**

The Olympic Model RV74G is an electric installation tool recommended for the installation of Olympic fasteners. It operates on 120VAC 60Hz. Pulling heads corresponding in size with the diameter of fasteners to be installed must be attached to the RV74G tool. Heavy-duty snap-on series pulling heads are available and capable of installing 1/8" to 9/32" Bulbtite Olympic Fasteners. Other pulling heads may be used in combination with the correct adapter.

#### **Operation:**

Attach the snap-on series pulling head to the installation tool in the following manner: actuate the installation tool until the draw bolt is in the extreme forward position. Thread the pulling head draw bolt fully to the installation tool draw bolt (Assy. 8023). Lift the spring band (3143). Slide the pulling head housing into the tool nose sleeve. Release the spring band (3143). The tool is now ready for operation.

Fasteners are installed with the Olympic RV74G installation tool by first placing the fasteners into the holes of a prepared panel or sheet. Then apply the pulling head nose onto the fastener stem sliding the pulling head to the flange of the fastener. Then activate the tool by squeezing the motor trigger.

Depending upon the application, the fastener may first be inserted by hand into the pulling head nose where it may be held in place by the head mechanism. Then the shank portion of the fastener can be inserted into the prepared holes prior to activating the installation tool.

The pulling action is a continuously reciprocating one. The pulling head jaws will grip the fastener stem repeatedly as the installation tool moves the draw bolt back and forth. In the instance of long fasteners, the bolt may reciprocate several times before the fastener stem is broken.

## Maintenance:

The RV74G installation tool has been engineered to provide trouble free operation under normal usage conditions. No lubrication is necessary unless the tool has been disassembled. Upon reassembly, pack the RV74G tool with **Keystone Zeniplex 2 grease**.

The pulling head will require periodic cleaning. A small rifle brush passed through the jaws will maintain the efficiency of the tool. Occasionally disassemble the entire pulling head and clean thoroughly, paying special attention the jaws. Upon reassembly, lubricate the inside conical surface of the collet sparingly with a light chassis lubricant. Refer to the applicable pulling head drawings.

## Caution:

DO NOT operate the tool on a current with voltage outside the specified limits. To do so may seriously damage the tool.

## Extension Cord Selection:

If an extension cord is used, make sure the conductor size is large enough to prevent excessive voltage drop that will cause loss of power and possible motor damage. Also if used outdoors, use only extension cords approved for outdoor use.

Amperage Rating		25 feet	50 feet	100 feet
More Than	Not More Than	AWG		
0	6	18	16	16
6	10	18	16	14
10	12	16	16	14
12	16	14	12	<b>Not Recommended</b>

## WARNING:

When using electrical tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

Keep work areas clean to prevent injuries.

DO NOT expose the tool to rain. DO NOT use in damp or wet locations. If water or fluids enter the motor, discontinue use and send the tool in for repair. Keep work areas well lighted. Avoid chemical or corrosive environments. DO NOT use tool in presence of flammable liquids and gases.

Prevent body contact with grounded surfaces.

When tool is not in use, it should be stored in a dry place.

DO NOT wear loose clothing or jewelry.

Never carry the tool by the cord or pull to disconnect from receptacle. Keep cord away from heat, oil, and sharp edges. Have damaged or worn power cords replaced immediately.

Keep proper footing and balance at all times.

Stay Alert! Watch what you are doing. DO NOT operate when you are tired or while under the influence of medication, alcohol, or drugs.

### **Maintain Tools with Care :**

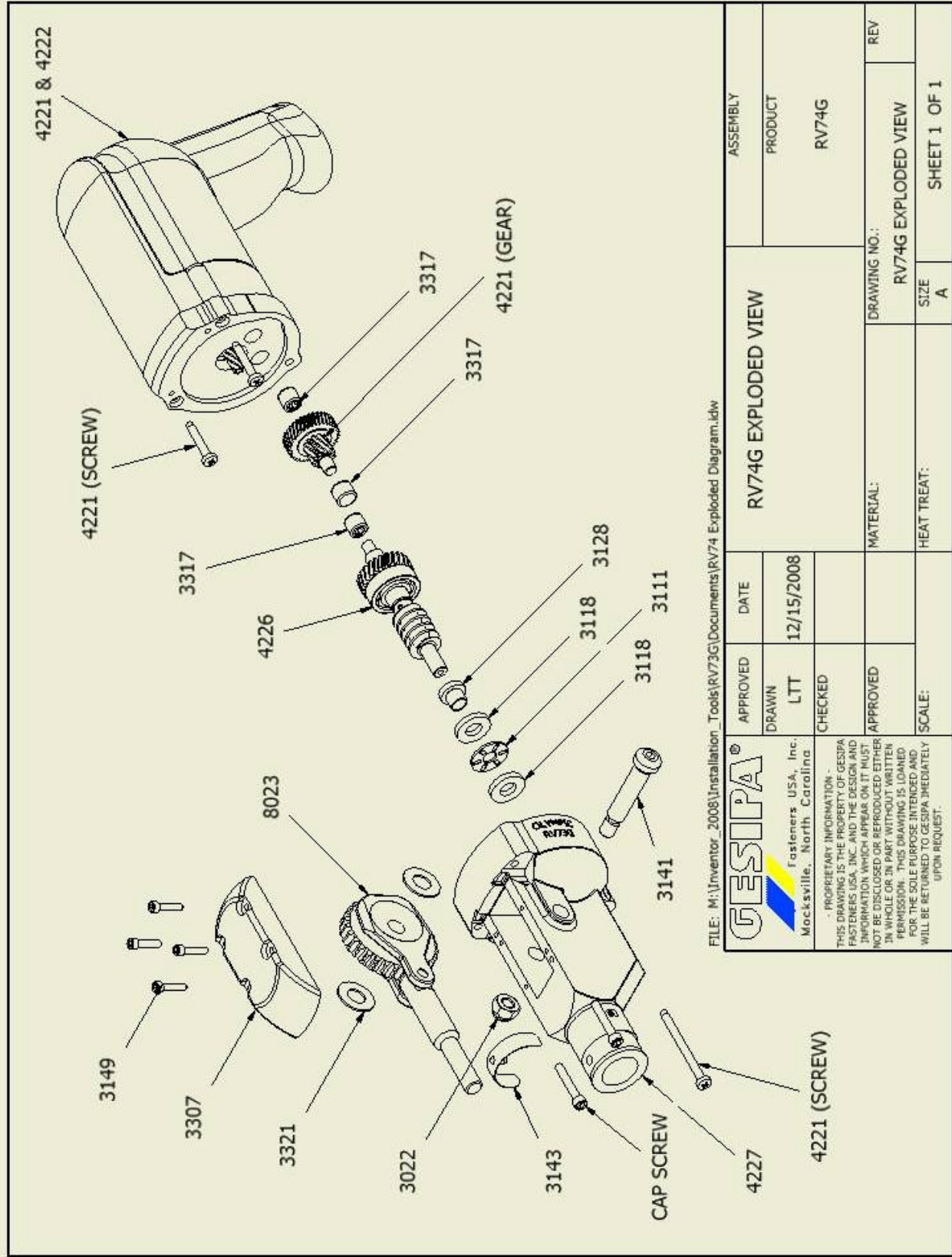
Follow the instructions for lubrication and changing accessories. Inspect the tool's cord periodically. Inspect extension cords and replace if damaged. Have all worn, broken or lost parts replaced immediately. Keep handles dry, clean and free from oil and grease.

There are certain applications for which this tool is designed. It is strongly recommended that this tool NOT be modified and/or used for any application other than which it was designed. If you have any questions relative to its application, do not use the tool until you have contacted GESIPA Fasteners USA, Inc and we have advised you.

### **Technical Assistance and Tool Repair:**

GESIPA Fasteners USA, Inc.  
126 Quality Drive  
Mocksville NC, 27028  
Phone: 336-751-1555  
Fax: 336-751-0303

RV74G Part Number Listing	
Part Number	Description
3022	NUT
3111	THRUST BEARING
3118	THRUST RACE
3128	RACE SPACER
3141	BOLT
3143	SPRING BAND
3149	COVER SCREW
3307	COVER
3317	NEEDLE BEARING (6MM)
3321	SPRING WASHER
4221	MOTOR 120V ASSEMBLY
4222	MOTOR BEARING PLATE
4226	WORM GEAR ASSEMBLY
4227	HOUSING ASSEMBLY
8023	DRAW BOLT ASSEMBLY
CAP SCREW	CAP SCREW



FILE: M:\Inventor\_2008\Installation\_Tools\RV73G\Documents\RV74 Exploded Diagram.dwg

ASSEMBLY		RV74G EXPLODED VIEW	
PRODUCT		RV74G	
DRAWING NO.:		RV74G EXPLODED VIEW	
MATERIAL:		REV	
HEAT TREAT:		SIZE	
SCALE:		A	
APPROVED		DATE	
DRAWN		12/15/2008	
CHECKED			
APPROVED			
SCALE:			



Fasteners USA, Inc.  
Mocksville, North Carolina

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