



Instruction Sheet

KOR-520, KOR-14 Knockout Hand Ratchet

IMPORTANT: RECEIVING INSTRUCTIONS: Visually inspect all components for shipping damage. If any shipping damage is found, notify carrier at once.

Shipping damage is NOT covered by warranty. The carrier is responsible for all repair or replacement costs resulting from damage in shipment.

SAFETY FIRST

IMPORTANT—USER SAFETY AND PROTECTION: In setting up systems to fit your operations, care must be taken to select the proper components and design to insure appropriate integration with your operations and existing equipment and that all safety measures have been taken to avoid the risk of personal injury and property damage from your application or system.

GB ELECTRICAL CANNOT BE RESPONSIBLE FOR DAMAGE OR INJURY CAUSED BY UNSAFE USE, MAINTENANCE OR APPLICATION OF ITS PRODUCTS. Please contact GB ELECTRICAL for guidance when you are in doubt as to the proper safety precautions to be taken in designing and setting up your particular application. To protect your warranty use only GB/Enerpac hydraulic oil.

WARNING

TO PREVENT INJURY, KEEP HANDS AWAY FROM PUNCHES, DIES AND KNOCKOUT CUTTING TOOLS.

TO AVOID EQUIPMENT DAMAGE AND PERSONAL INJURY, DO NOT USE THE KNOCKOUT CUTTING TOOL ON GLASS, PLASTIC OR WOOD. THESE MATERIALS COULD SHATTER AND PRODUCT SPINTERS WHICH COULD CAUSE INJURIES.

- **KEEP THREADS CLEAN AND WELL OILED!**

Properly maintained tools are safer to use, and they work better.

Model KOR-520 and KOR-14 are designed for use on 10 gauge mild steel. Also for stainless steel up to 12 gauge.

- **ENGAGE THREADS FULLY!**

Adapter screw should be firmly seated in driver screw before beginning the punching operation. Die and punch should be firmly seated against the wall of the box before beginning the punching operation.

STEP 1:

Mark correct center position for hole as shown in figure 1. (If you are working within close tolerances, mark center position with cross as indicated at right. These cross lines can be easily lined up with four markings on outer surface of die). Then drill 1/8" pilot hole.

Enlarge hole with 7/16" drill so that pull stud can pass easily though metal. (When pre-punched knockout plugs are located in desired position, this step becomes unnecessary).



FIG. 1

STEP 2:

Thread the proper adapter screw into the driver head as shown in Fig. 2. (Caution: Adapter screw thread is a left hand thread). To identify the proper adapter screw refer to Fig.3 and the associated chart on page four. Adapter screw should be secured to a firm finger tightness.

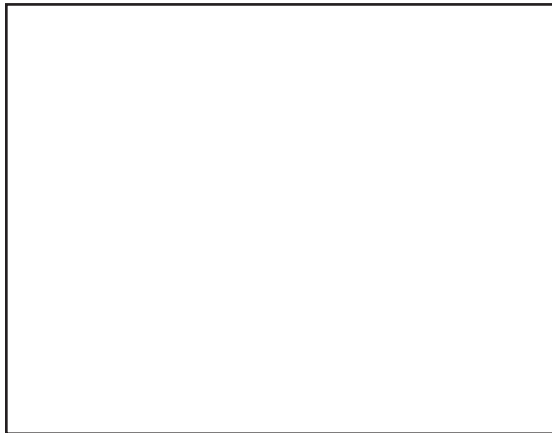


FIG. 2

STEP 3:

Slide proper size die (see chart on page 4) over adapter screw and insert adapter screw in predrilled hole as shown in Fig. 4.

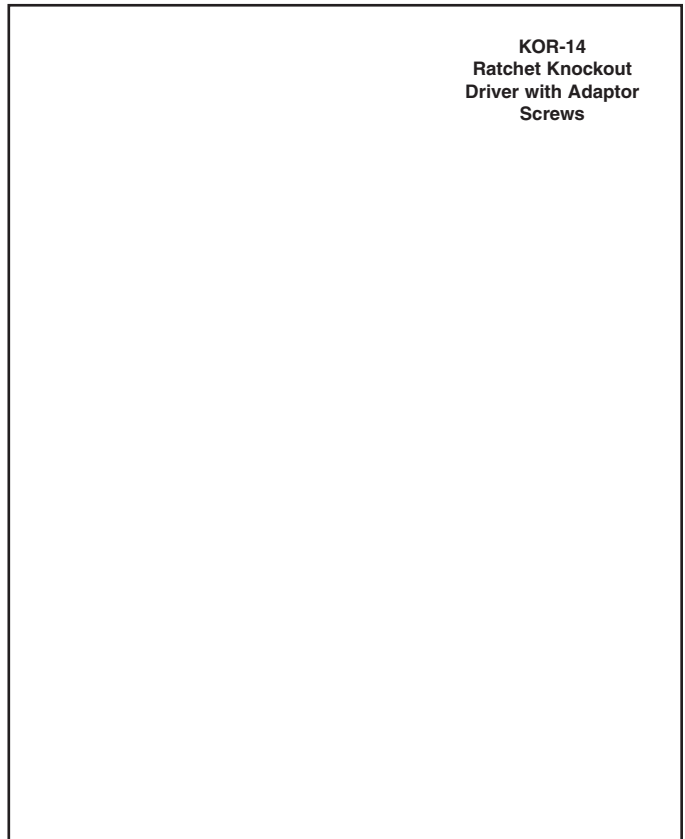


FIG. 3



FIG. 4

STEP 4:

Screw proper size punch (see chart on page 4) on to adapter screw from the other side, as shown in Fig. 5, tightening to a snug fit against the wall of box.

STEP 5:

With all items in place, as described above, and ratchet wrench inserted in driver; work ratchet wrench-driver screw in a counterclockwise direction while holding driver handle stationary.

STEP 6:

When operation is complete; remove assembly from the box, unscrew the punch, and remove the knockout slug from the die.

(Caution: Always remove the slug from the die after every knockout operation).

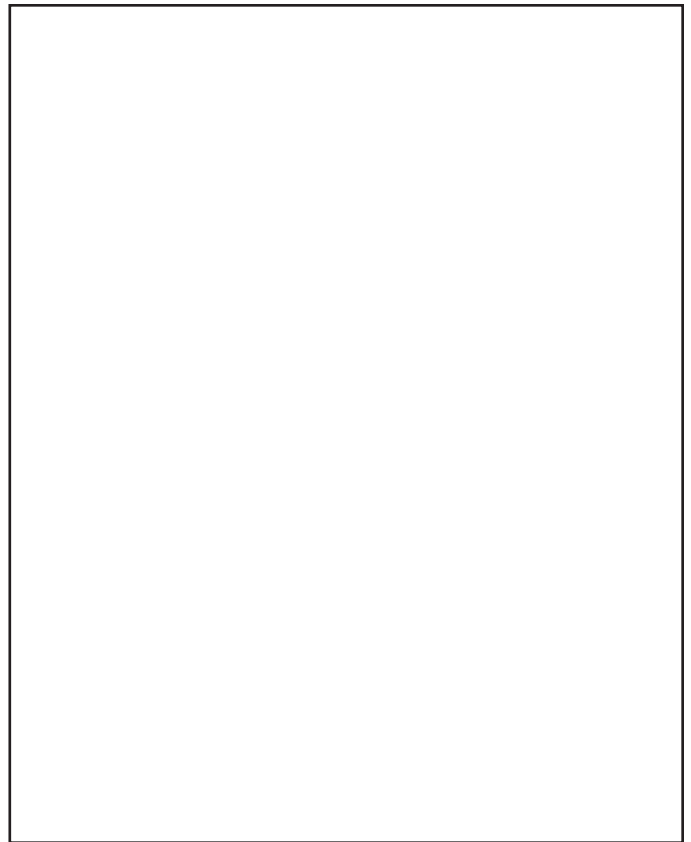


FIG. 5

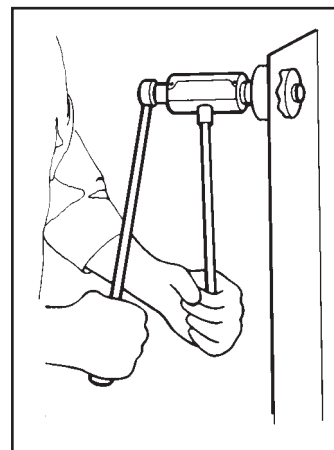
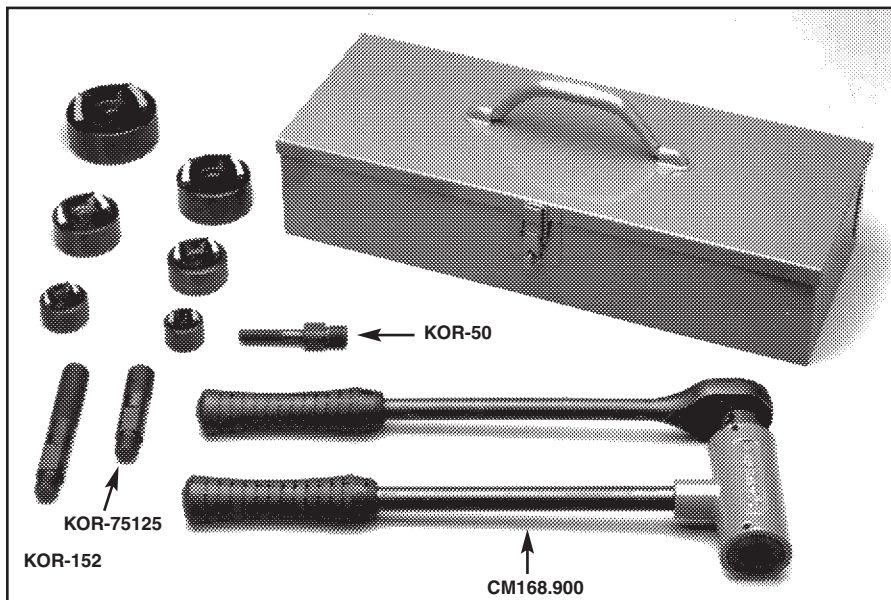
MAINTENANCE:

All components should be kept clean and free from dirt and grit.

The adapter screws and ratchet wrench moving parts should be kept well lubricated with a #20 oil.

The driver unit screw, internal housing thread, and steel balls should be lubricated periodically with a molybdenum disulfide based lubricating grease. Keeping the unit lubricated will not only reduce wear but will also result in easier operation.

QUICK HAND RATCHET SLUG-OUT™



CATALOG NUMBER	DESCRIPTION	PIPE SIZE	HOLE SIZE	PUNCH	DIE	ADAPTER SCREW
				Catalog #	Catalog #	Catalog #
KOR-520	Slug-Out™ Ratchet Set (1/2"–2")	1/2"	7/8"	KP-500	KD-500	KOR-50
		3/4"	1 3/32"	KP-750	KD-750	KOR-75125
		1"	1 11/32"	KP-1000	KD-1000	
		1 1/4"	1 11/16"	KP-1250	KD-1250	
		1 1/2"	1 15/16"	KP-1500	KD-1500	KOR-152
KOR-14	Ratchet Set (without punch and dies)	2"	2 3/8"	KP-2000	KD-2000	
		1/2"–2"	7/8"–2 3/8"	N/A	N/A	KOR-50 KOR-152 KOR-75125

KD-1732 (knockout die) and KP-1732 (knockout punch) can also be used with the Quick Hand Ratchet Set.

REPAIR AND SERVICE INSTRUCTIONS: For repair service and parts contact your nearest GB ELECTRICAL Service Center. The Service Center will provide complete and prompt service on all GB ELECTRICAL products.

<p>PARTS AND SERVICE: For quality workmanship and genuine GB ELECTRICAL parts, select an Authorized GB Service Center for your repair needs. Only repairs performed by an Authorized Service Center displaying the official GB Authorized sign are backed with full factory warranty. Contact GB Electrical (414) 352-4160 for the name of the nearest GB Authorized Service Center.</p>	<p>WARRANTY: GB ELECTRICAL, INC. warrants its products against defects in workmanship and materials for 1 year from date of delivery to user. Chain is not warranted. Warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products or use of improper fluid.</p>	<p>WARRANTY RETURN PROCEDURE: When question of warranty claim arises, send the unit to the nearest GB Authorized Service Center for inspection, transportation prepaid. Furnish evidence of purchase date. If the claim comes under the terms of our warranty the Authorized Service Center will REPAIR OR REPLACE PARTS AFFECTED and return the unit prepaid.</p>
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