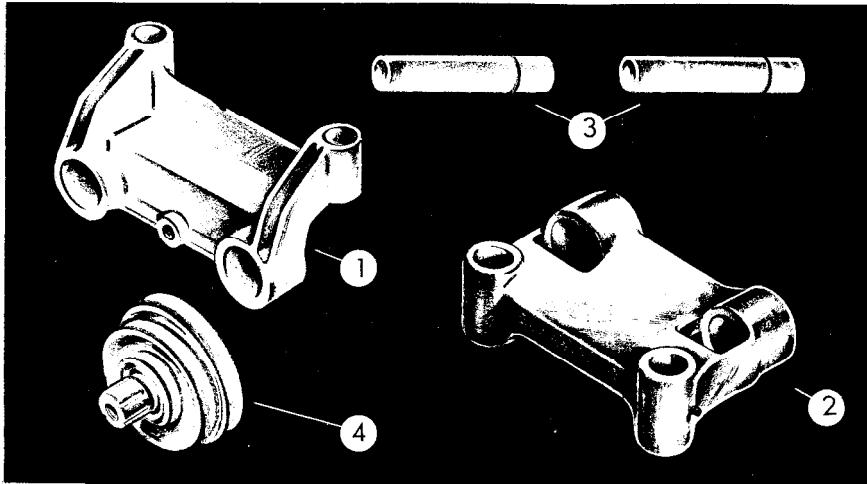




POWER-MOUNT ADAPTER KIT

Item No. 11 920
Article No. 84 3352



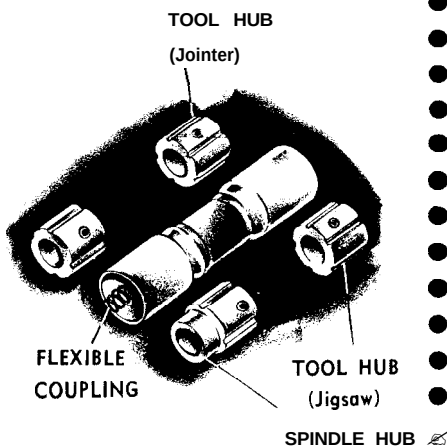
PACKAGE CONTENTS

The POWER-MOUNT ADAPTER KIT package consists of the following items:

1. *Adapter "A"
2. **Adapter "B"
3. Set of twin mounting tubes (for Joints only)
4. Special headstock pulley with integral hub

...for Joints and Sprayer

** for Jigsaw, Belt Sander, Band Saw



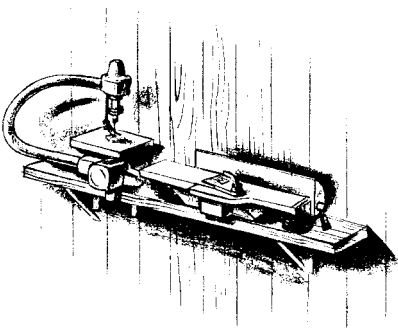
The POWER-MOUNT ADAPTER KIT permits mounting Magna-Line tools—such as Joints, Jigsaw, Sprayer, Belt Sander, and Band Saw—on SHOPS MITH* Model 1 OER. The advantages of its use are substantial in .

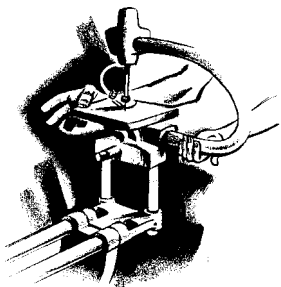
ECONOMY—you can add any number of tools without additional cost for motor, stand, belts, pulleys. Any Magna tool mounts on SHOPS MITH Model 1 OER and, by means of a simple flexible coupling, receives power from the SHOPS MITH motor.

One POWER-MOUNT COUPLING KIT (item No. 22 001) is all you need for power transmission. The kit includes hubs which are useable on the Joints and the Jigsaw, in addition to the special flexible coupling which connects the tool hub to the headstock hub for power transmission. Tool shaft hubs for Belt Sander, Sprayer, and Band Saw are included in the tool packages.

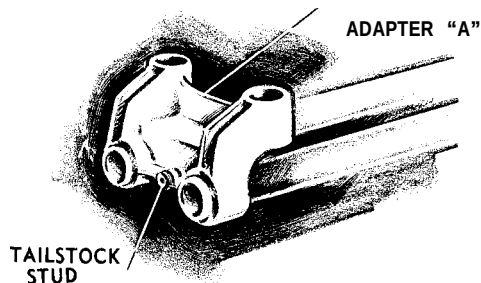
SPACE- SAVING—Magna's exclusive twin-tube mounting arrangement makes it possible to store tools on a simple wall bracket—always ready for use in seconds.

OPERATIONAL FLEXIBILITY—Adapter-mounted tools may be set up for simultaneous operation with a compatible tool mounted on the SHOPS MITH spindle. Thus you can operate joints with saw, belt sander with disk sander, jigsaw with drum sander, etc. Since two adapters are in the kit, it is possible to mount one tool on each end of SHOPS MITH—so that, by sliding the headstock to engage the required tool, either one may be used. Remember, however, that Joints and Band Saw, due to direction of rotation, must be



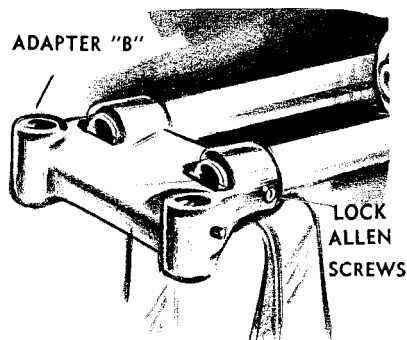


used only at the headrest end of SHOPS MITH. The Sprayer, Belt Sander, and Jigsaw may be used at the tailstock end by locking a hub on the main spindle.



HOW TO MOUNT ADAPTER

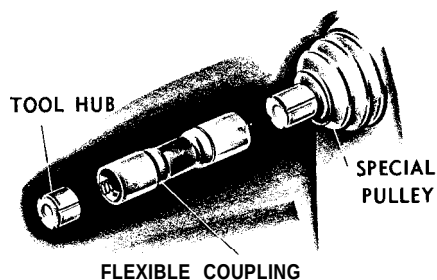
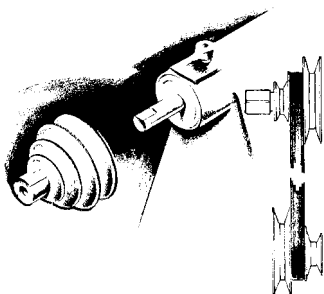
Slip Adapter on tubular ways at headrest end of SHOPS MITH. Adapter "A" is locked in place with the tailstock stud. Adapter "B" is locked to the tubes with the two Allen screws in the Adapter. Be sure Adapter being used is placed on tubes as shown in sketch at left.



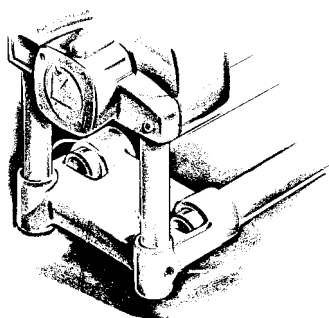
HOW TO MOUNT TOOL

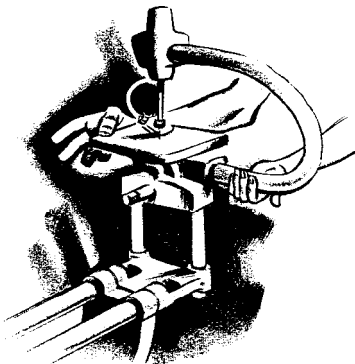
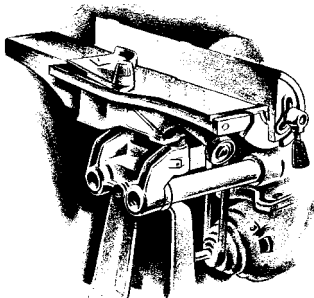
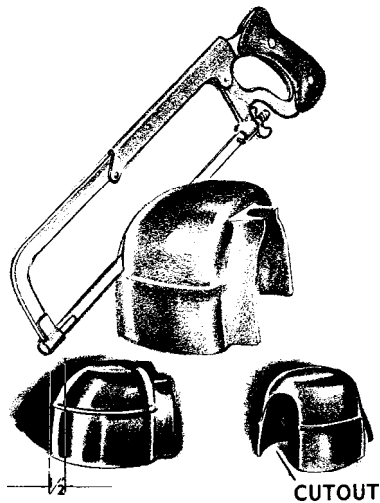
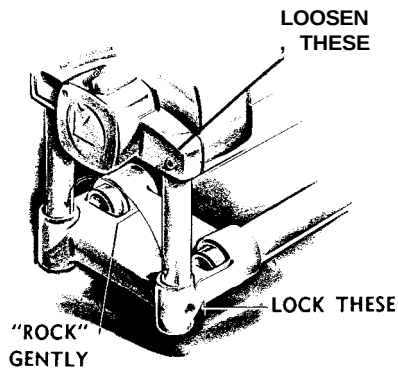
Follow instructions in tool carton to point where tool is ready for mounting. If the Jointer is being set up, be sure to substitute the longer tubes in the Adapter package for the tubes supplied in the Jointer package.

Remove pulley guard from SHOPS MITH and replace headstock pulley with special pulley supplied in Adapter package. Be sure alignment of headstock pulley, in relation to motor pulley, is correct.



Set twin tubes in Adapter and use two set screws in Adapter casting to lock tool so hub on tool shaft is approximately in line with hub on headstock pulley (bring headstock as close to tool as possible, when checking alignment). In the case of all tools except Sprayer and Band Saw, the snap rings on the tubes should sit solidly on the Adapter casting. Lock the tubes in place by tightening the two set screws in the casting. Vertical alignment of shafts is achieved by raising or lowering the tool on the tubes. Do this by loosening the two set screws in the tool base which lock it against the mounting tubes. Raise or lower tool to height required, then re-tighten the screws. Remember, the snap rings should sit solidly on the Adapter casting. Twin collars supplied with the Sprayer and the Band Saw are used in place of snap rings to establish tool height. These should be slipped over the tubes before the tool is placed in the Adapter. Height adjustment is made by raising tool and tubes. When height is correct, then lock the twin collars on the tubes to maintain the height setting.





If horizontal alignment of shafts is not within $1/16"$, loosen the two set screws in the tool base which lock it to the twin tubes and "rock" the tool slightly on the tubes. There will be sufficient lateral movement by gently rocking to achieve alignment.

If necessary, a greater lateral adjustment of the Jointer shaft is available by loosening the two bolts which lock the Jointer cutter head in place, then moving the shaft in the required direction. The bolt holes in the casting are deliberately over-size to permit this.

Be sure to securely re-tighten the two bolts after this adjustment.

Holes in the compressor base casting are slotted so perfect horizontal alignment may be achieved by loosening the mounting bolts and moving the compressor to the left or right.

HEADSTOCK PULLEY GUARD

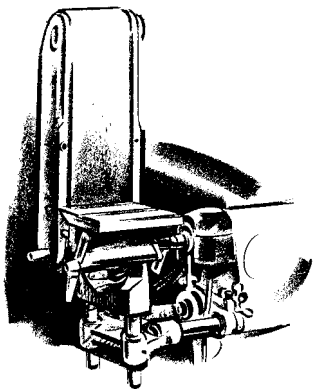
The headstock pulley guard must be modified if it is to be used when the special adapter kit pulley is on the headstock. A U-shaped cutout will permit it to fit over the coupling. This is easily accomplished by using a hack saw to cut away part of the guard-as shown in the sketch at the left. After cutting, smooth the edge with a file and emery paper. Since some SHOPSMTIH Model 10ER pulley guards were made of magnesium, it is not advisable to power-sand them. This could result in a fire. For safety's sake, use a hack saw.

OPERATING JOINTER

Correct Jointer speed is achieved when the V-belt is used in the #3 pulley position. When a speed changer is mounted, use a speed of about 4000 rpm.

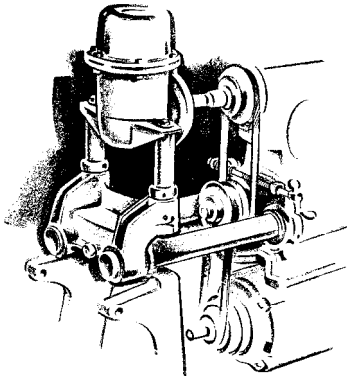
OPERATING JIGSAW

The Jigsaw may be operated on the #1 or #2 pulley position. Use the higher speed for fast, smooth cutting on fine work; the lower speed when larger blades are used for heavy stock cutting. If a speed changer is mounted, do not operate above 2500 rpm.



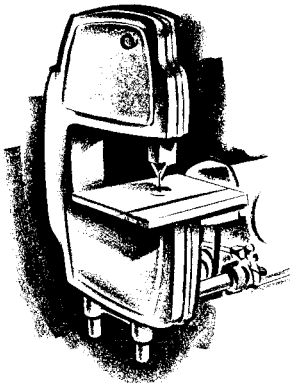
OPERATING BELT SANDER

For general use, the #2 pulley position is good. The slower #1 pulley position may be used on very rough sanding, when much material must be removed. If a speed changer is mounted, do not operate above 2000 rpm.



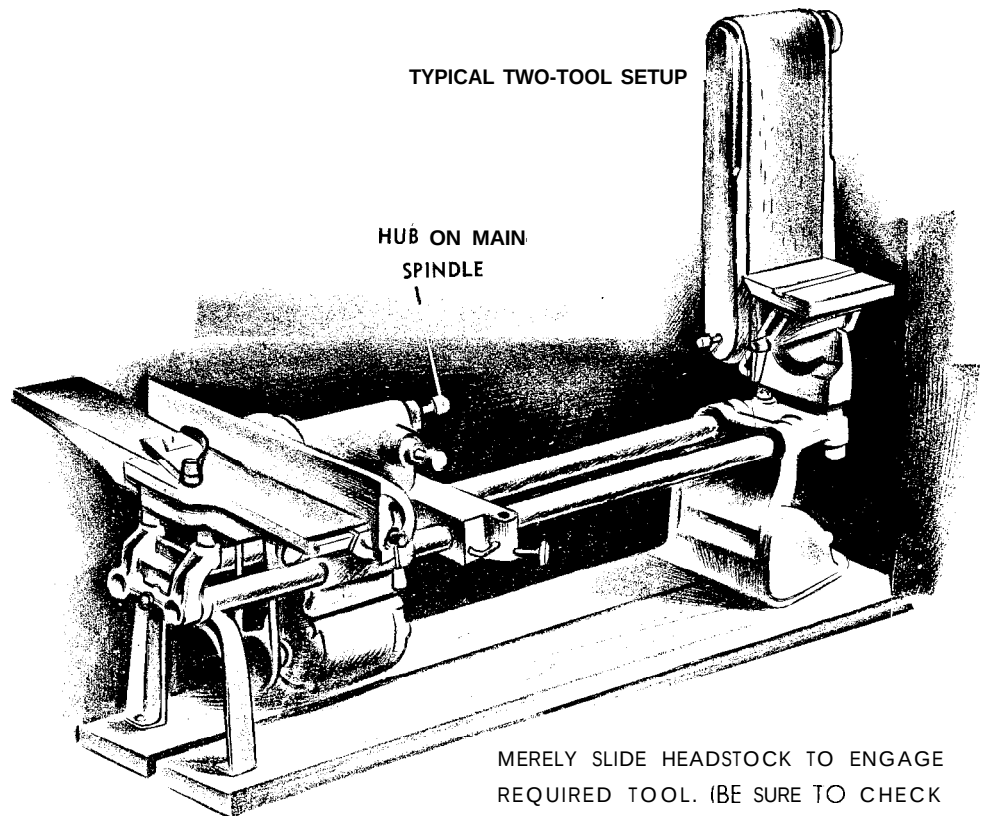
OPERATING SPRAYER

The special drive coupling, supplied in the Sprayer package, should be used to transmit power from headstock to Sprayer. Correct speed is established by using the #2 step on the pulleys. **NEVER OPERATE THE SPRAYER AT SPEEDS IN EXCESS OF 1800 rpm.**



OPERATING BAND SAW

Correct Band Saw speed is achieved by using the V-belt on the #1 pulley position. With a speed changer, do not operate the Band Saw at speeds in excess of 850 rpm.



TYPICAL TWO-TOOL SETUP

HUB ON MAIN
SPINDLE

MERELY SLIDE HEADSTOCK TO ENGAGE
REQUIRED TOOL. (BE SURE TO CHECK
SPEED)

*T.M. Reg.

Cat. No. EM 9084 2:56

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