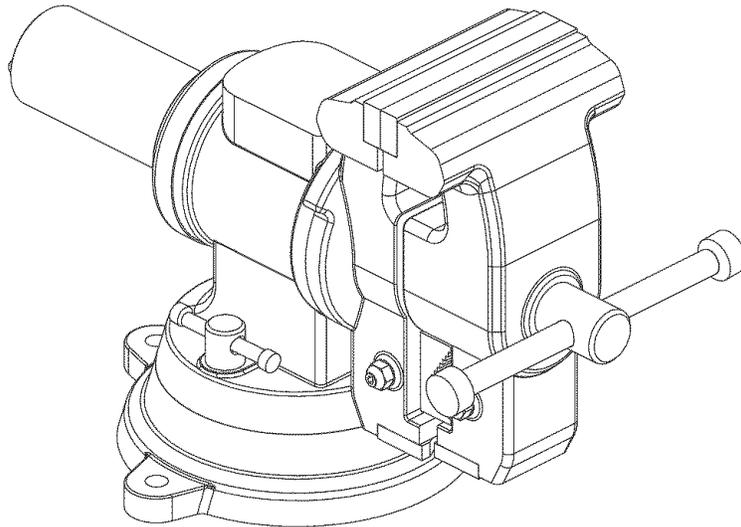


Operator's Manual



5" MULTI-JAW BENCH VISE

Model No.
351.518580



CAUTION: Read and follow all Safety Rules and Operating Instructions before First Use of this Product.

- Safety
- Assembly
- Operation
- Maintenance
- Parts List
- Español

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

www.sears.com/craftsman

16687.02 Draft (10/01/02)

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WARRANTY

FULL ONE YEAR WARRANTY

If this product fails due to a defect in material or workmanship within one year from the date of purchase, Sears will at its option repair or replace it free of charge. Contact your nearest Sears Service Center (1-800-4-MY-HOME) to arrange for product repair, or return this product to place of purchase for replacement.

This warranty applies only while this product is used in the United States.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Sears, Roebuck and Co., Dept. 817WA, Hoffman Estates, IL 60179

SAFETY RULES

- Read, understand and follow all instructions in this manual. Misuse of vise can cause serious injury to the operator.
- Bolt or clamp vise to work surface at all three mounting locations using mounting flanges provided on base.
- Be sure vise is locked in both the swivel and rotation direction before attempting to mount workpiece between jaws.
- Be sure workpiece is clamped securely between jaws.
- Do not over tighten—vise can develop a large clamping force. Use only force which is needed.
- Do not try to hold workpieces which exceed the jaw capacity of vise.
- Do not use vise as a press to assemble or disassemble objects.

WARNING: Always wear eye and face protection when striking vise-held objects or when using power tools with the vise.

ASSEMBLY

Refer to Figure 1.

- Multi-Jaw Bench Vise comes completely assembled with jaw plates.
- The vise is shipped with a protective coating. This coating should be removed before operation. Use penetrating oil to remove protective coating.

OPERATION

DESCRIPTION

Sears Multi-Jaw Bench Vise has a cast iron body and replaceable hardened steel jaws. The vise features parallel jaws, pipe jaws and V-jaws. Vise will swivel 360° on the base and lock in any position. The jaws can rotate 360° and lock in any position. Anvil on the body of vise provides a convenient work surface.

Refer to Figure 1.

- Mount vise to work surface in desired location by securing all three mounting flanges located on base (Key No. 2). Use three $\frac{7}{16}$ " diameter bolts, 2" longer than the bench top thickness, flat washers and nuts (not supplied). Do not weld vise to any metal object. Make sure the bench top to which the vise is mounted is properly secured.
- Secure vise in position by hand tightening the lock handles (Key No. 17). Do not use a pipe extension or cheater bar. This may cause handles to bend and overstress locking bolt threads.
- To adjust the angle of the jaws, loosen two bolts (Key No. 24), pull out lock pin knob (Key No. 22) and rotate the jaws. The lock pin knob can also be used to quickly set the jaws at twelve positions, 30° apart. Set the jaws at the required angle and retighten the bolts.
- Open jaws of vise and place workpiece between jaws in desired position. Secure workpiece between jaws by rotating leadscrew handle (Key No. 13). Be sure workpiece is held securely in vise. Never use hammer, pipe extension or cheater bar on leadscrew handle of vise.

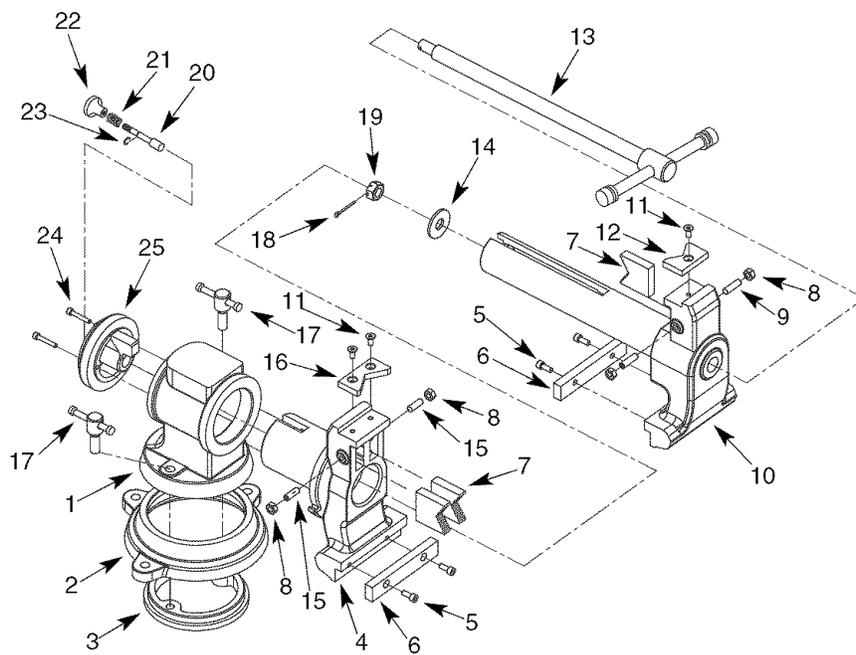
MAINTENANCE

Particles of metal or wood can damage machined surfaces, causing difficult or inaccurate operation.

- Keep machined surfaces and all moving parts clean and free of dirt, chips and foreign materials.
- Keep machined surfaces and leadscrew lubricated with medium weight machine oil.

Model 351.518580

Figure 1 - Replacement Parts Illustration for Multi-Jaw Bench Vise



REPLACEMENT PARTS LIST FOR MULTI-JAW BENCH VISE

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	09830.00	Body	1
2	09831.00	Base	1
3	09832.00	Clamping Plate	1
4	17140.00	Stationary Jaw	1
5	01505.00	6-1.0 x 12mm Socket Head Bolt	4
6	09834.00	Jaw Plate	2
7	09835.00	Pipe Jaw Insert	3
8	STD840812	8-1.25mm Hex Nut*	4
9	09847.00	8-1.25mm x 30mm Set Screw	2
10	17141.00	Movable Jaw	1
11	05441.00	6-1.0 x 16mm Flat Head Screw	3
12	09837.00	Movable V-Jaw Insert	1
13	20007.00	Lead Screw with Handle	1
14	20008.00	Spacer	1
15	02688.00	8-1.25 x 25mm Set Screw	2
16	09839.00	V-Jaw Insert	1
17	09840.00	Lock Handle Assembly	2
18	15033.00	Cotter Pin	1
19	20009.00	14-1.5mm Slotted Hex Nut	1
20	09842.00	Lock Pin	1
21	09843.00	Spring	1
22	09844.00	Knob	1
23	09845.00	3CMI-6 Retaining Ring	1
24	05805.00	5-0.8 x 30mm Socket Head Bolt	2
25	17142.00	Rear Cover	1
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Δ Not Shown

* Standard hardware item available locally.

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