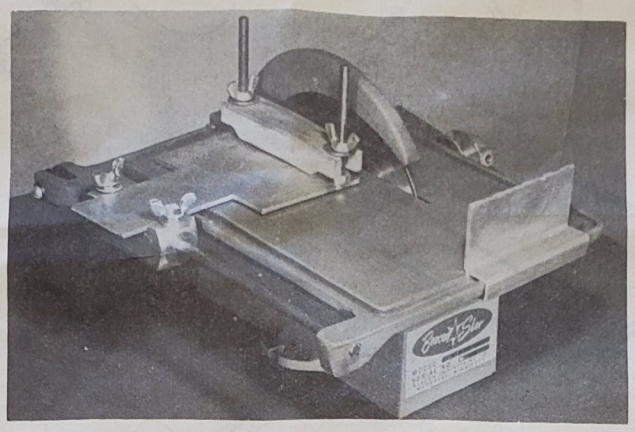
OPERATING INSTRUCTIONS FOR THE ECONO TRIM SAW

BEACON ENGINEERING COMPANY, ROTHSAY, MINNESOTA 56579



INSTALLATION AND HOOK UP

1. Unpack carefully and check for shipping damage. If damage or shortage exists, contact your shipping agent.

2. Mount unit on bench or table. Bolt down through slots in base. Mount motor either behind or below unit. Install belt and adjust fairly tight to prevent slippage and power loss. Avoid over tightening, as this will decrease bearing life. NOTE: Motor pulley should be a 2" diameter. This pulley available from BEACON ENGINEERING if required. State size of shaft.

3. Loosen the hold-down screw at top front of saw and swing saw top back, giving access to the coolant tank. Install blade as per manufacturer's instructions. Pour lubricant into tank until the bottom periphery of the blade is immersed by approximately 1/8".*

Swing table top back in place and tighten hold-down screw.

*Note: Any of the following have proven to be acceptable diamond saw lubricants:

1. Pella 9-11 (Available through Shell Oil Co. Bulk Plants)

2. Almag 7 (Available through Texaco Oil Co. Bulk Plants)

3. Water Soluble Oil (Mixed with water per manufacturer's directions)

4. Descented Kerosene mixed with a small amount of motor oil.

5. Rotate by hand a few turns to ensure that nothing is rubbing against the blade or belt.

6. Try it out . . . . . .

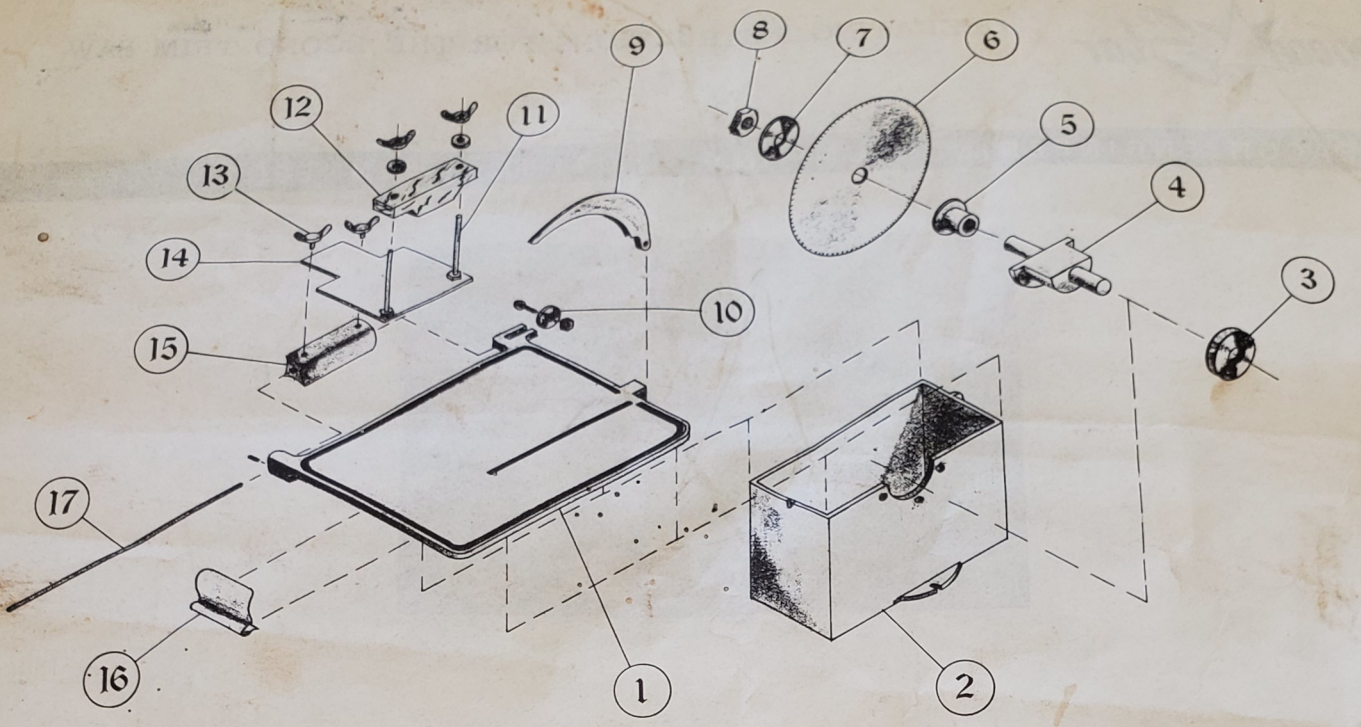
Vise alignment to blade is easily done by adjustment of two allen screws at front of Vise Rod. Clamp a pencil in the vise and slide pencil point past the saw is a good gauge for alignment.

Lubrication - Diamont blade coolant is the only lubrication required. The Econo Saw is run on permanently sealed and lubricated ball bearings. They require no periodical lubrication. Follow the manufacturer's directions for lubrication of your electric motor.

MOTOR: The Econo-saw requires a 1/4 H.P. 1750 R.P.M. motor. These motors are readily available locally or may be purchased from BEACON ENGINEERING COMPANY. NOTE: Good used motors of this type are normally on the market providing a substantial savings.

SAW BLADE WOBBLE

Quite often lapidary saw blades have a wobble when shaft is turned. Due to the soft metal construction of lapidary blades it is easy for them to be slightly out of true. If this condition exists in a minor way it will not cause any trouble as the blade straightens out immediately when used. If the blade has a major wobble it may be straightened generally, by finger pressure. Beacon arbor shafts are trued at the factory and tested before delivery.



PARTS LIST - 6" TRIM SAW

Ref. No.	Part No.	Nomenclature	List Price (ea.)	Ref. No.	Part No.	Nomenclature	List Price (ea.)
1	E1002	Saw Deck Casting	8.50	9	E1003	Saw Blade Guard	2.95
2	W101	Base Casting	8.00	10		Weight Pulley 1"	.50
3	NHW	1-1½" Dia. Pulley	1.00	11		Vise Studs ¼" (2)	.50
4	F-25	Arbor Casting Bearings & Shaft 5/8	10.50	12		Wood Vise Block	.75
				13		Thumb Screws (2)	.30
5	F-20	Saw Arbor Collar ½"	2.50	14	F-14	Vise Plate	4.50
6	G	6" Dia. Diamond Blade	13.10	15	F-15	Vise Slide	4.50
7	F-19	Saw Blade Flange	.50	16	F-16	Saw Splash Guard	.85
8		Hex Nut ½" N.F.L.H.	.30	17	F-17	Vise Rod ¼"	.50

HOW TO ORDER REPAIR PARTS

When ordering repair parts please provide following information: Model Number; Part Number, Name and Price as shown in the parts list. All prices subject to change without notice, F. O. B. Rothsay. Minimum billing $1.00. Address order and make remittance payable to-

BEACON ENGINEERING COMPANY
Rothsay, Minnesota 56579