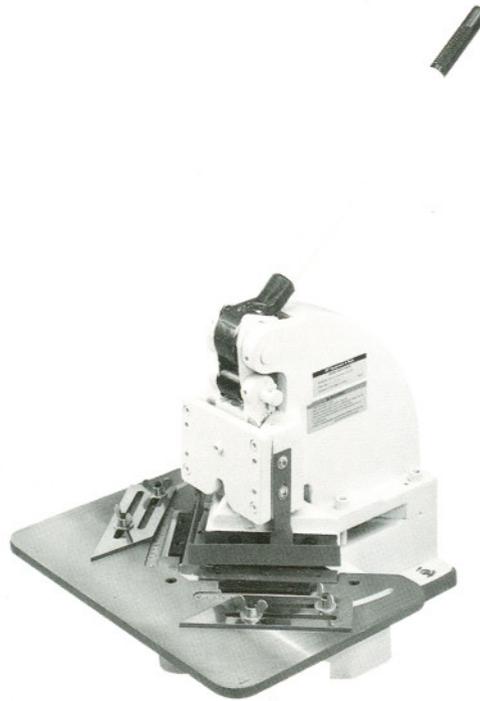




## OWNER'S MANUAL HN-16N Hand Notcher



**JET EQUIPMENT & TOOLS, INC.**  
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M-754016 03/01

# Important Information

**1-YEAR  
LIMITED WARRANTY**

**JET offers a one-year limited  
warranty on this product**

## REPLACEMENT PARTS

Replacement parts for this tool are available directly from JET Equipment & Tools. To place an order, call 1-800-274-6848. Please have the following information ready:

1. Visa, MasterCard, or Discover Card number
2. Expiration date
3. Part number listed within this manual
4. Shipping address other than a Post Office box.

## REPLACEMENT PART WARRANTY

JET Equipment & Tools makes every effort to assure that parts meet high quality and durability standards and warrants to the original retail consumer/purchaser of our parts that each such part(s) to be free from defects in materials and workmanship for a period of thirty (30) days from the date of purchase.

## PROOF OF PURCHASE

Please retain your dated sales receipt as proof of purchase to validate the warranty period.

## LIMITED TOOL AND EQUIPMENT WARRANTY

JET makes every effort to assure that its products meet high quality and durability standards and warrants to the original retail consumer/purchaser of our products that each product be free from defects in materials and workmanship as follows: 1 YEAR LIMITED WARRANTY ON THIS JET PRODUCT. Warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities or to a lack of maintenance. JET LIMITS ALL IMPLIED WARRANTIES TO THE PERIOD SPECIFIED ABOVE FROM THE DATE THE PRODUCT WAS PURCHASED AT RETAIL. EXCEPT AS STATED HEREIN, ANY IMPLIED WARRANTIES OR MECHANABILITY AND FITNESS ARE EXCLUDED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG THE IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. JET SHALL IN NO EVENT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY OR FOR INCIDENTAL, CONTINGENT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF OUR PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. To take advantage of this warranty, the product or part must be returned for examination, postage prepaid, to an authorized service station designated by our Auburn office. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection discloses a defect, JET will either repair or replace the product or refund the purchase price, if we cannot readily and quickly provide a repair or replacement, if you are willing to accept such refund. JET will return repaired product or replacement at JET's expense, but if it is determined there is no defect, or that the defect resulted from causes not within the scope of JET's warranty, then the user must bear the cost of storing and returning the product. This warranty gives you specific legal rights, and you have other rights, which vary, from state to state.

**JET Equipment & Tools • P.O. Box 1349, Auburn, WA 98071-1349 • (253) 351-6000**

## **WARNING**

**For your own safety, read the owner's manual before operating the hand notcher.**

**This hand notcher is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safe operation of a hand notcher, do not use until proper training and knowledge has been obtained.**

1. **KEEP GUARDS IN PLACE** and in working order.
2. **KEEP ALL BODY PARTS AWAY FROM MOVING PARTS.** Avoid placing any part of your body near belts, cutters, gears, etc.
3. **DO NOT EXCEED RATED GAUGE CAPACITY** on this hand notcher.
4. **KEEP THE WORK AREA CLEAN.** Cluttered areas and work benches invite accidents.
5. **KEEP CHILDREN AWAY.** All visitors should be kept a safe distance from the work area.
6. **MAKE THE WORKSHOP KID PROOF** with padlocks, master switches, or by removing starter keys.
7. **DON'T FORCE THE MACHINE.** It will do the job better and safer at the rate for which it was designed.
8. **USE THE RIGHT MACHINE.** Don't force a machine or attachment to do a job for which it was not designed.
9. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
10. **ALWAYS USE SAFETY GLASSES.** Also use face or dust masks if the cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses; they are not safety glasses.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories.
13. **NEVER STAND ON A MACHINE.** Serious injury could occur if the machine tipped.
14. **CHECK DAMAGED PARTS.** Before further use of the machine, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
15. **SHEET METAL STOCK HAS SHARP EDGES.** To prevent cuts, use caution when handling.
16. **KEEP HANDS AND FINGERS** clear of the area in front and rear of the hand notcher.
17. **DO NOT USE THE MACHINE** for any purpose other than for which it was designed
18. **FAILURE TO COMPLY** with all of these warnings may cause serious injury.
19. **SOME DUST CREATED BY** power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
  - Lead from lead based paint
  - crystalline silica from bricks and cement and other masonry products, and
  - arsenic and chromium from chemically-treated lumber.
20. **YOUR RISK FROM THOSE EXPOSURES** varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specifically designed to filter out microscopic particles
21. **DO NOT OPERATE TOOL** while under the influence of drugs, alcohol or any medication.

## Specifications:

HN-16N

Stock Number.....	754016
Cutting Capacity .....	16 Gauge
Piercing Capacity.....	18 Gauge
Maximum Notch.....	6"x6"
Stroke.....	3/4"
Overall Dimensions (LxWxH) .....	24"x21"x26"

## Uncrating and Clean-Up

1. Remove the HN-16N from the crate.
2. Carefully clean all rust protected surfaces with a mild solvent or kerosene and a soft rag. Do not use lacquer thinner, paint thinner, or gasoline. These will damage painted surfaces.
3. Lubricate all moving parts of the machine with light grease, or heavy oil.
4. Carefully move the machine to a well lighted area and attach to a solid, level work bench.

## Notcher Setup

Use a machinist's level and shims if the notcher is not level. The notcher has been adjusted at the factory for proper use of capacity material. During shipment of this unit the machine may have come out of alignment.

## Blade Adjustment

The (#) in the text refers to the breakdown.

1. Remove the table (8-01) and position the ram (3-01) to its lowest position.
2. Slightly loosen socket head cap screws (5-03).
3. Use the set screw (7-02) to adjust the positioning block (7-01). The blade gap should be approximately 0.002". As a general rule the blade gap should be approximately 6% of stock thickness.
4. Tighten screws (5-03).

## Blades

The upper blades (4-01 & 4-02) are factory set for "splay" cutting. This method provides that the cut begins at the outside of the material. The capacity at this setting is 16 gauge. The notcher is also capable of piercing. To accomplish this, interchange upper blades end for end so that the cut begins at the apex or

corner of inside out. Align blades at the point flush and tighten screws. In the piercing capacity the notchers capacity is reduced to 18 gauge mild steel.

## Depth of Cut

Adjust set screw (3-08) to stop the ram at a desired depth and tighten hex nut (3-07).

## Ram Brake

The set screw (3-04) acts as a drag on the ram so that the blade does not free fall. The screw should be checked and adjusted as needed

## Opening Throat

The notchers throat can be opened by removing hex socket cap screw (1-08). This will allow squaring, or shearing. Always replace screw when notching.

## Slitting

Remove the upper left blade (4-02) and mount the right blade in the splay position, and open the throat. Always replace screw (1-08) when notching.

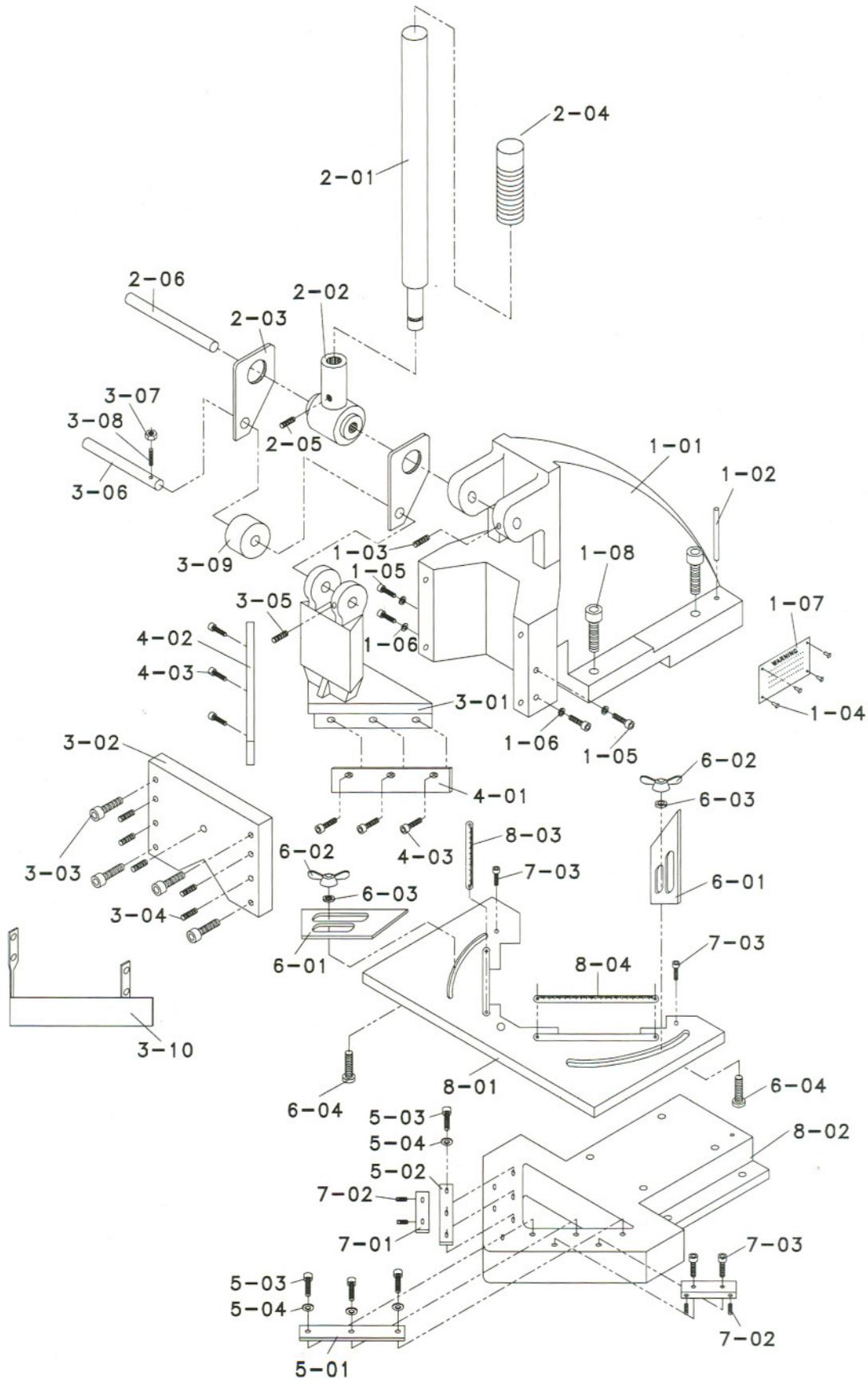
## Ram Adjustment

Normal wear on the ram (3-01) may require adjustment. Loosen set screws (3-04) and evenly tighten the hex socket cap screws (3-03) until the ram is snug. Tighten set screws from side to side until the ram has a proper fit. Lubricate the ways.

## Lubrication

Lubricate the ways weekly, and lightly oil machined surfaces to prevent rust. lubricate daily oil pinholes that are located on the eccentric bushing (2-02), and top of the ram (3-01).

# Breakdown for the HN-16N Hand Notcher



## Parts List for the HN-16N Hand Notcher

Index No.	Part No.	Description	Size	Quantity
1-01	HN16N-1-01	Body		1
1-02	HN16N-1-02	Pin	Ø6x55	2
1-03	TS-1523061	Set Screw	M6x20	1
1-04	HN16N-1-04	Rivet	Ø2x4	12
1-05	TS-1503031	Socket Head Cap Screw	M6x12	4
1-06	TS-1550041	Washer	Ø6	4
1-07	HN16N-1-07	Warning Label		1
1-08	TS-1492071	Hex Cap Bolt	M12x65	4
1-09	HN16N-1-09	Label (not shown)		1
2-01	HN16N-2-01	Lever		1
2-02	HN16N-2-02	Cam		1
2-03	HN16N-2-03	Plate		2
2-04	HN16N-2-04	Cap		1
2-05	TS-1524041	Set Screw	M8x16	1
2-06	HN16N-2-06	Shaft		1
3-01	HN16N-3-01	Ram		1
3-02	HN16N-3-02	Fixed Plate		1
3-03	TS-1504051	Socket Head Cap Screw	M8x25	4
3-04	TS-1524051	Set Screw	M8x20	5
3-05	TS-1523051	Set Screw	M6x14	1
3-06	HN16N-3-06	Shaft		1
3-07	TS-1540061	Hex Nut	M8	2
3-08	HN16N-3-08	Set Screw	M8x40	1
3-09	HN16N-3-09	Shaft Bushing		1
3-10	HN16N-3-10	Guard		1
4-01	HN16N-4-01	Upper Blade (right)		1
4-02	HN16N-4-02	Upper Blade (left)		1
4-03	TS-1505031	Socket Head Cap Screw	M10x25	6
5-01	HN16N-5-01	Lower Blade (right)		1
5-02	HN16N-5-02	Lower Blade (left)		1
5-03	TS-1504051	Socket Head Cap Screw	M8x25	6
5-04	TS-1550061	Washer	Ø8	6
6-01	HN16N-6-01	Side Positioning Block		2
6-02	TS-0590031	Wing Nut	M10	4
6-03	TS-1550071	Washer	Ø10	4
6-04	HN16N-6-04	Screw		4
7-01	HN16N-7-01	Positioning Block		2
7-02	TS-1523061	Set Screw	M6x20	4
7-03	TS-1504041	Socket Head Cap Screw	M8x20	7
8-01	HN16N-8-01	Table		1
8-02	HN16N-8-02	Base		1
8-03	HN16N-8-03	Scale (left)		1
8-04	HN16N-8-04	Scale (right)		1



