



OWNER'S MANUAL

HVBS-56M Horizontal/Vertical Bandsaw



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M-414458 12/2000

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 MERCHANTABILITY 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.

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WARNING

**Read and understand the entire instruction manual before operating machine.
This machine is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper safe use of bandsaws, do not use this machine until proper training and knowledge has been obtained.**

- Always wear approved safety glasses/face shields while using this machine.
- Make certain the machine is properly grounded.
- Before operating the machine, remove tie, rings, watches, other jewelry, and roll up sleeves above the elbows. Remove all loose clothing and confine long hair. Do **not** wear gloves.
- Keep the floor around the machine clean and free of scrap material, oil and grease.
- Keep machine guards in place at all times when the machine is in use. If removed for maintenance purposes, use extreme caution and replace the guards immediately.
- Do **not** over reach. Maintain a balanced stance at all times so that you do not fall or lean against blades or other moving parts.
- Make all machine adjustments or maintenance with the machine unplugged from the power source.
- Use only sharp tools. Dull tools are dangerous
- Replace warning labels if they become obscured or removed.
- Make certain the switch is in the OFF position before connecting the machine to the power supply.
- Give your work undivided attention. Looking around, carrying on a conversation, and "horse-play" are careless acts that can result in serious injury.
- Keep visitors a safe distance from the work area.
- Use recommended accessories; improper accessories may be hazardous.
- Make a habit of checking to see that keys and adjusting wrenches are removed before turning on the machine.
- Never attempt any operation or adjustment if the procedure is not understood.
- Keep fingers away from the blade when the machine is running.
- Never hand hold material with the saw in the horizontal position. Always use the vise and clamp it securely.
- Keep belt guard and wheel covers in place and in working order.
- Never force the cutting action.
- Do not attempt to adjust or remove tools during operation.
- Always provide adequate support for long and heavy material.
- Always use identical replacement parts when servicing.
- Read and understand all warnings posted on the machine.
- This manual is intended to familiarize you with the technical aspects of this bandsaw. It is not, nor was it intended to be, a training manual.
- Failure to comply with all of these warnings may cause serious injury.
- 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.
- 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

Specifications:**HVBS-56M**

| | |
|-------------------------------|---------------------------------------|
| Stock Number..... | 414458 |
| Horizontal Capacity: | |
| Round @ 90°..... | 5" |
| Round @ 45°..... | 3" |
| Rectangle @ 90°..... | 5" x 6" |
| Rectangle @ 45°..... | 5" x 3" |
| Throat Depth..... | 6" |
| Vertical Work Table Size..... | 9-5/8" x 9-1/2" |
| Vise Swivels..... | 45° |
| Blade Size..... | 1/2" x 0.025" x 64-1/2" |
| Blade Wheel Diameter..... | 7-3/8" |
| Speeds..... | 80, 120, 200 SFPM |
| Bed Height..... | 25-1/2" |
| Floor Space Required..... | 16-1/4" x 42-1/2" |
| Motor (UL listed)..... | 1/2 HP, 1 Ph, 115/230V, prewired 115V |
| Net Weight (approx.)..... | 115 lbs. |

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The specifications in this manual are given as general information and are not binding. JET Equipment & Tools reserves the right to effect, at any time and without prior notice, changes or alterations to parts, fittings, and accessory equipment deemed necessary for any reason whatsoever.

Unpacking and Clean-Up

Note: Read and understand the entire manual before attempting setup or operation.

1. Remove all contents from the shipping carton.
2. Inspect contents for shipping damage and report any damage to your distributor.
3. Wipe bed and vise assembly with clean cloth to remove excess oil used to prevent rust.
4. Do not discard any packing material until saw has been assembled and is running properly.



Tools Supplied for Assembly

1. Wrench 12/14mm

Tools Required for Assembly

- #2 Cross Point Screwdriver
- 6-8" Adjustable Wrench or Wrench Set
- Pliers - Regular or Needle Nose
- 4mm Angle Hex Wrench
- Ratchet and Sockets will Speed Assembly

Assembly

1. With the help of another person turn the saw over so that it rests on the motor and saw bow, Figure 1. Place it on a piece of cardboard, or a surface that will not damage the saw.
2. Attach a cross brace (A, Fig. 1) to the motor side of the bed using three 5/16"x1" hex cap bolts, six 5/16" flat washers, and secure with three 5/16" hex nuts. **Hint:** Tighten the nut (B, Fig. 1) on the end of the bed first followed by the nuts on the sides.
3. Attach a leg to the cross brace using four 5/16"x3/4" carriage bolts, four 5/16" flat washers and four 5/16" hex nuts. Use a 12mm wrench to tighten. Repeat for other leg.
4. Remove the brace (C, Fig. 1) on the opposite end of the bed and bow using a 10mm wrench.

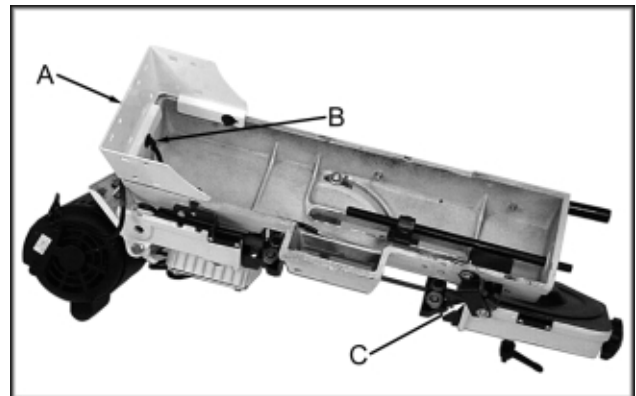


Fig. 1

5. Attach a cross brace to the opposite end of the bed using three 5/16"x1" hex cap bolts, six 5/16" flat washers, and secure with three 5/16" hex nuts. Tighten the nut on the end of the bed first followed by the nuts on the sides.

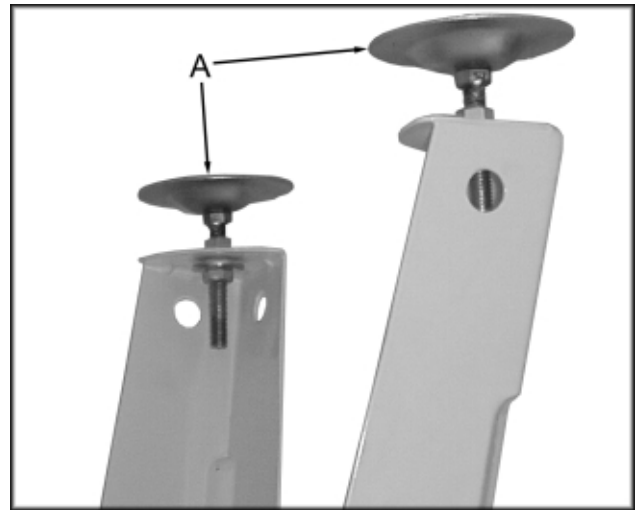


Fig. 2

6. Attach a leg to the cross brace using four 5/16"x3/4" carriage bolts, four 5/16" flat washers and four 5/16" hex nuts. Use a 12mm wrench to tighten. Repeat for other leg.

7. Attach the adjustable feet (A, Fig. 2) to the legs opposite of the motor, using the provided hardware.

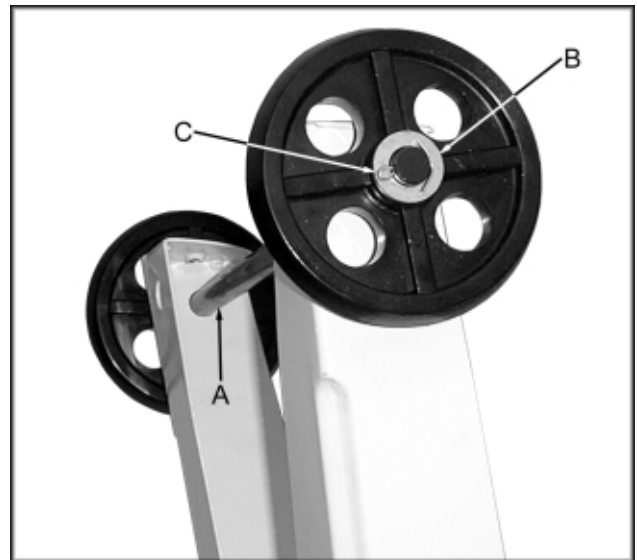


Fig. 3

8. Slide the axle (A, Fig. 3) through the legs. Place a large flat washer (B, Fig. 3) on both sides of the wheels and place on the axle. Secure wheels with two split pins (C, Fig. 3).

9. Carefully turn the saw onto its stand and adjust the feet so the bed is level.



Fig. 4

10. Put the handle (A, Fig. 4) through holes in the stand legs opposite of the wheel assembly and secure with split pins.

11. Slide pulley cover (A, Fig. 5) around motor shaft and worm gear shaft. Secure with two hex cap screws and washers (B, Fig. 5).
12. Lift motor with one hand while the other hand places V-belt (C, Fig.5) on both pulleys.
13. Attach the tension bracket (D, Fig. 5) to the saw bow with one 5/16"x3/4" hex head bolt and flat washer (E, Fig. 5).
14. Connect the two tension brackets with one 5/16"x3/4" carriage bolt, one 5/16" flat washers and one 5/16" hex nut (F, Fig. 5).
Hint: Insert the carriage bolt from the inside so the hex nut is easy to access with a wrench.
15. Tension belt by pressing down on the motor while tightening hex nut (F, Fig. 5) until finger pressure on the belt between the two pulleys causes approximately 1/2" deflection. Close pulley cover. Don't over tighten the belt.
16. Insert stop rod (A, Fig. 6) into bed and tighten set screw (B, Fig. 6). Slide stock stop (C, Fig. 6) onto rod and tighten set screw (D, Fig. 6) to hold in place.
17. Slide handwheel (E, Fig. 6) onto shaft and secure by tightening set screw (F, Fig. 6). Make sure set screw seats on flat portion of shaft.

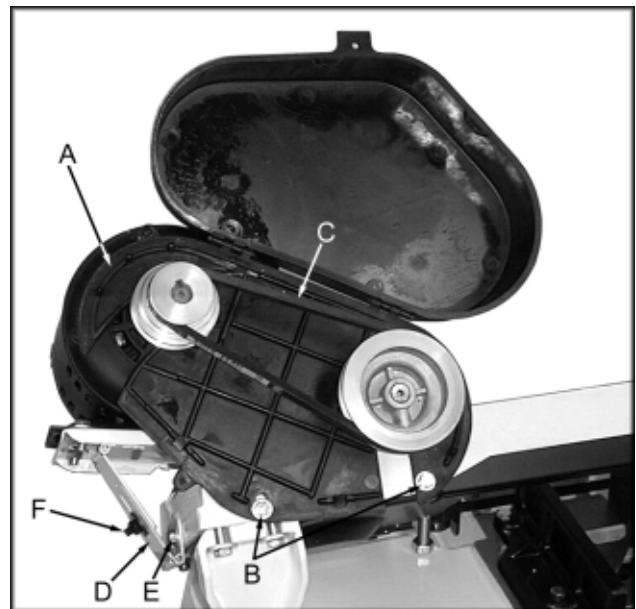


Fig. 5

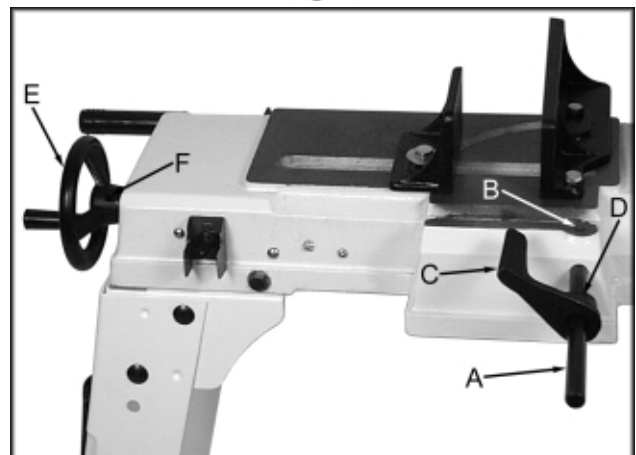


Fig. 6

Vertical Cutting Plate Assembly

Note: These steps are only necessary when using the bandsaw in the vertical mode.

⚠ WARNING

Disconnect the bandsaw from the power source before making any repairs or adjustments!

Failure to comply may cause serious injury!

1. **Disconnect the bandsaw from the power source.**
2. Raise the arm to the vertical position and lock in place with lever (A, Fig. 7).
3. Loosen bolt (B, Fig. 7) and insert bracket (C, Fig. 7). Tighten bolt just enough to hold the bracket in place.

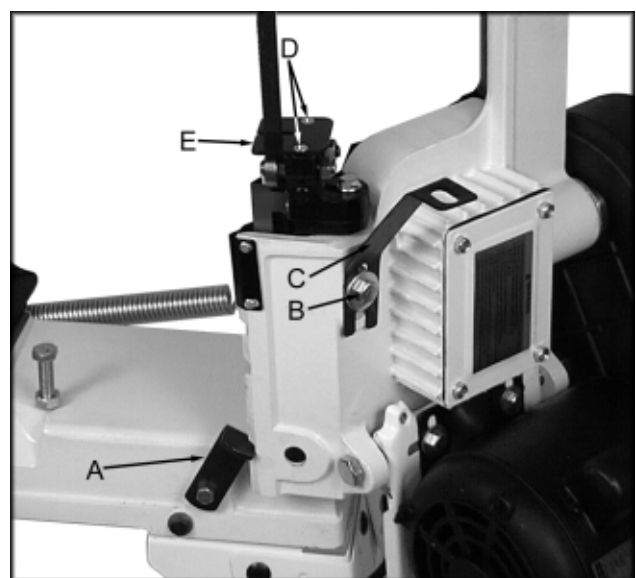


Fig. 7

4. Remove two screws (D, Fig. 7) and plate (E, Fig. 7).
5. Guide blade through slot in table (A, Fig. 8) and fasten table with two screws (B, Fig. 8).
6. Fasten support bracket to underside of table using screw (C, Fig. 8) and hex nut.
7. Tighten bolt (B, Fig 7).

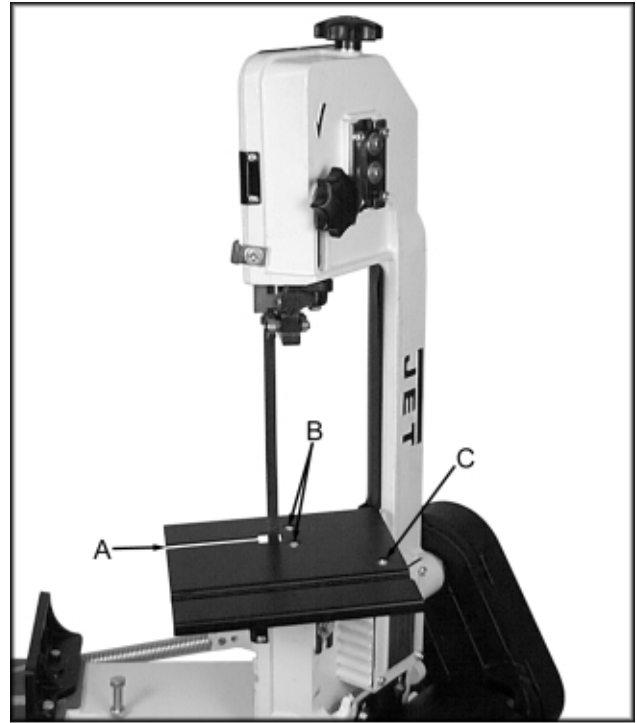


Fig. 8

Electrical Connections

⚠ WARNING
All electrical connections must be completed by a qualified electrician.
Failure to comply may cause serious injury!

The HVBS-463 bandsaw is rated at 115/230V and comes from the factory prewired 115V.

To switch to 230V operation, follow the wiring diagram found on the inside of the motor junction box. The plug on the end will have to be replaced with a plug that is rated at 230V.

This bandsaw is designed for use on a circuit with an outlet that looks like (A, Fig. 9). The bandsaw has a grounding prong as illustrated in (B, Fig. 9). A temporary adapter (C, Fig. 9) may be used to connect the plug to a two pole receptacle (D, Fig. 9) if a properly grounded outlet is not available. The temporary adapter should only be used until a properly grounded outlet can be installed by a qualified electrician. The green colored lug must be securely fastened to the cover plate screw.

Before hooking up to the power source, be sure the switch is in the off position.

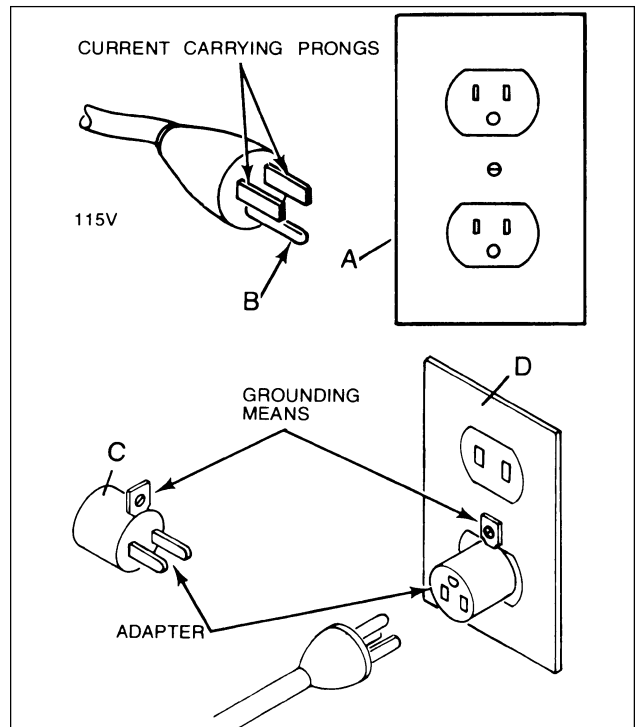


Fig. 9

Changing Blade Speed

1. **Disconnect the machine from the power source.**
2. Place saw arm in the horizontal position.
3. Loosen tensioning plate hex nut (A, Fig.10).
4. Open pulley cover (B, Fig. 10). Lift motor with one hand while placing the belt (C, Fig. 10) on the desired pulley combination.
5. Tension belt by pressing down on the motor while tightening hex nut (A, Fig. 10) until finger pressure on the belt between the two pulleys causes approximately 1/2" deflection. Close pulley cover. Don't over tighten the belt.
6. Close pulley cover and connect to power source.

The general rule for band saw blade speed is the harder the material being cut, the slower the blade speed. Reference Figure 11 for a guide to blade speed for a type of material being cut.

the blade guide assemblies as far apart as possible. Lock in place.

4. Depress blade. Finger pressure should cause approximately .004" deflection. Turn blade tension knob (B, Fig. 12) until the proper tension is achieved. Re-position guides for cutting material.

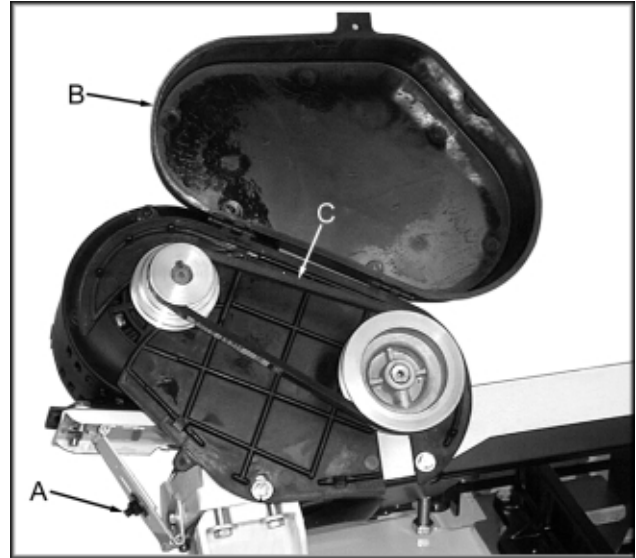


Fig. 10

Adjusting Blade Guides

1. **Disconnect machine from the power source.**
2. Loosen knob (A, Fig. 12) and slide blade guide assembly (B, Fig. 12), as close as possible without interference to the material being cut. Tighten knob.
3. Loosen bolt (C, Fig.12) and slide blade guide assembly (D, Fig. 12), as close as possible without interference to the material being cut. Tighten bolt

| Material | Speed | Motor Pulley | Saw Pulley |
|--|---------|--------------|------------|
| Tool, Stainless, or Alloy Steel, Bearing Bronzes | 80 FPM | Small | Large |
| Mild Steel, Hard Brass, or Bronze | 120 FPM | Medium | Medium |
| Soft Brass, Aluminum, or other light materials | 200 FPM | Large | Small |

Fig. 11

Adjusting Blade Tension

1. **Disconnect machine from the power source.**
2. Open blade cover and observe the position of the blade on the wheel. If the blade is not next to the wheel flange, adjust blade tracking following the steps under "Adjusting Blade Tracking".
3. If the blade is next to the wheel flange, loosen the blade guide assembly lock knob and hex head bolt (A & C, Fig. 12) and slide

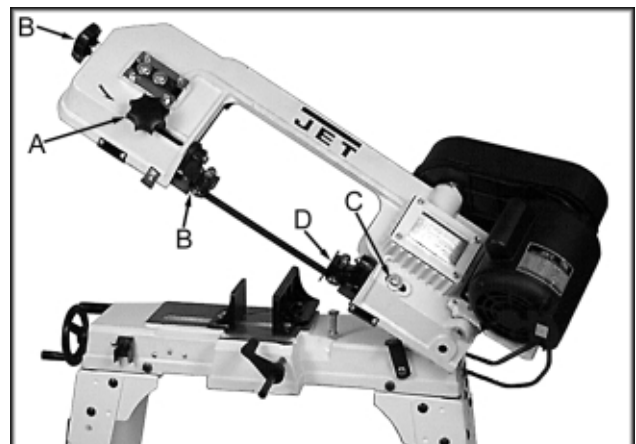


Fig. 12

Changing Blades

1. **Disconnect machine from the power source.**
2. Raise the saw arm to the vertical position and lock in place with lock lever.
3. Open blade cover by removing the small knob found on the topside of the bow.
4. Remove red blade guards by removing two screws.

 **WARNING**
It is essential these two guards be installed after the new blade has been fitted. Failure to comply may cause serious injury!

5. Release tension on the blade by turning tensioning knob (B, Fig. 12), and remove the blade.
6. Place new blade between the blade guide assemblies and around each wheel. Make sure blade teeth are pointing in the proper direction, Figure 13. Tension enough to hold in place.
7. Install red blade guards with two screws.
8. Tension blade fully, see "Adjusting Blade Tension".
9. Place two to three drops of lightweight oil on the blade.
10. Connect machine to the power source.
11. Run saw and make sure blade is tracking properly, see "Adjusting Blade Tracking".

As a general rule, the thinner the material to be cut, the more teeth per inch on the blade. A minimum of three teeth should be in contact with the material at all times during the cut. If the teeth straddle the material, severe damage can result to the material and the blade.

Adjusting Blade Guide Bearings

1. **Disconnect machine from the power source.**
2. Loosen bolt (A, Fig. 14) and adjust assembly so that back roller bearing is approximately .002" - .003" from the back of the blade. Tighten bolt.

3. Loosen nut (B, Fig. 14) and turn nut (C, Fig. 14) to adjust eccentric bearing to a clearance of .001". Tighten nut (B, Fig. 14) to lock.
4. Connect machine to power source.

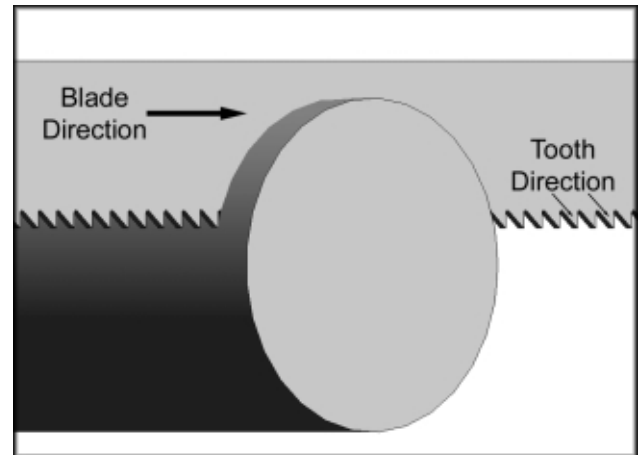


Fig. 13

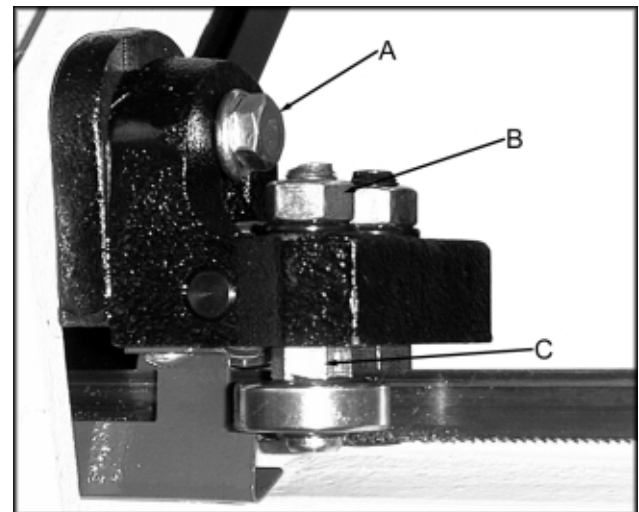


Fig. 14

Adjusting Blade Tracking

WARNING

Blade tracking adjustment requires running the saw with the back cover open! This adjustment must be completed by qualified persons only! Failure to comply may cause serious injury!

Blade tracking has been set at the factory and should not need adjustment. If blade tracking needs to be adjusted:

1. Confirm that blade tension is set properly. To adjust, see section titled "Adjusting Blade Tension".
2. Make sure the saw is in its slowest speed, see "Changing Blade Speeds".
3. Move saw arm to the vertical position and lock in place with the lock lever.
4. Confirm that blade tension is set properly. To adjust, see section titled "Adjusting Blade Tension".
5. Open blade cover by removing the knob found on the top side of the bow.
6. Run saw and observe blade. Blade should run next to but not tightly against wheel flange.
7. Loosen bolts (A, Fig. 15).
8. Turn set screw (B, Fig. 15) while observing blade tracking on wheel. Turn set screw clockwise to track closer to wheel flange. Turn set screw counter-clockwise to track away from the wheel flange. **Hint:** start with $\frac{1}{4}$ turns on the set screw. The tracking is sensitive.
9. Once tracking is set, tighten bolts (A, Fig. 15).

Adjusting Feed Pressure

1. Turn handle (A, Fig. 16) clockwise to decrease cutting pressure and counter-clockwise to increase cutting pressure.

A good indication of proper feed pressure is the color and shape of the cutting chips. If the chips are thin or powdered, increase the feed pressure. If the chips are burned and heavy, decrease the

feed pressure. If they are still burned and heavy, reduce the blade speed. Optimum feed pressure has been set when the chips are curled, silvery, and warm.

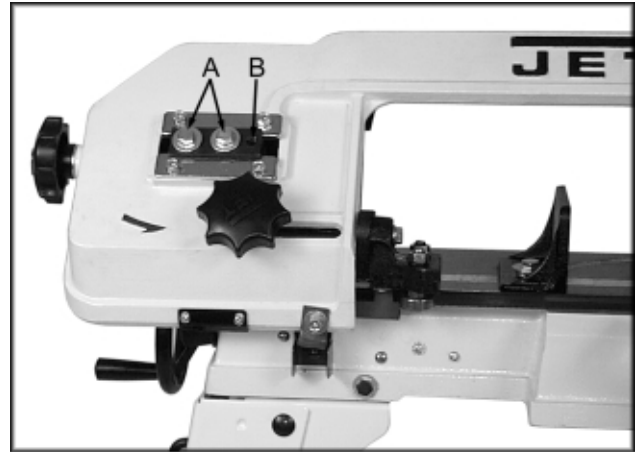


Fig. 15

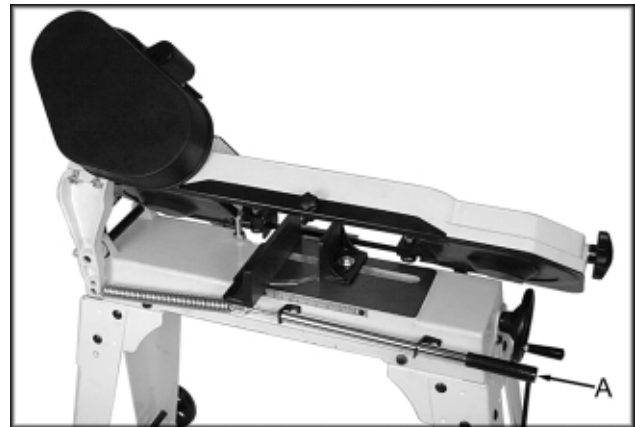


Fig. 16

Adjusting Automatic Shut-Off

The saw should stop after the cut has been completed:

- If the saw completes the cut and continues to run, adjust the stop tip (A, Fig. 17) down.
- If the saw shuts off before the cut is complete, adjust the stop tip (A, Fig. 17) up.
- If the saw stops cutting but continues to run, adjust the stop bolt (B, fig. 17) down.

The saw is properly adjusted when the saw shuts off just after the blade has finished the cut.

Adjusting the Vise

1. To open and close the vise use the handwheel (C, Fig. 17).
2. The vise can be adjusted for square and miter cuts. Loosen the hex cap bolts and adjust the vise for the cut.
3. Adjust the blade guides so they are as close as possible to the material without interfering.
4. There is a scale on the back side of the bed to aid in setting up the vise for 90° cuts or a particular miter. **Hint:** Always check the vise setup with a combination square, against the blade and vise, so that you can verify the vise setting is correct.

Lubrication

Ball bearings on the blade guide assemblies and the blade wheels are permanently sealed and require no lubrication.

Lubricate the vise lead screw as needed with #2 tube grease.

Gear box oil will have to be changed after 90 days of operation. There after, change every six months.

To change the gear box oil:

1. **Disconnect machine from the power source.**

2. Place saw arm in the horizontal position.
3. Remove screws (A, Fig. 18) from the gear box and remove cover plate and gasket.
4. Hold a container under the lower right corner of the gear box with one hand while slowly raising the saw arm with the other. Drain completely.
5. Place arm in the horizontal position. Wipe out remaining oil with a rag.
6. Fill gear box with approximately 1/2 pint of MOBIL SHC 634.
7. Replace gasket and cover. Fasten cover with bolts.

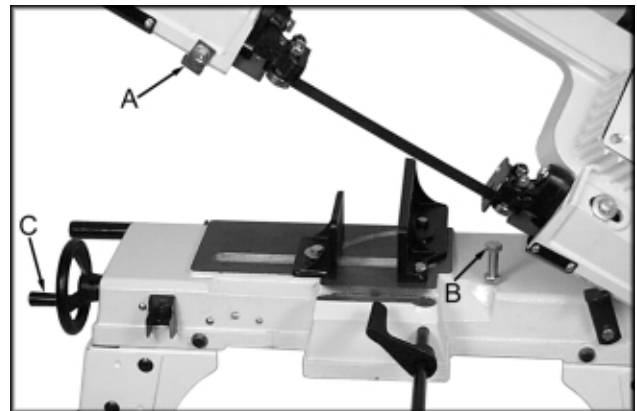


Fig. 17

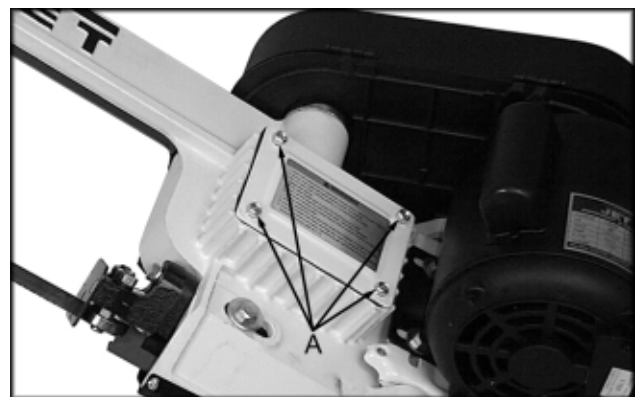
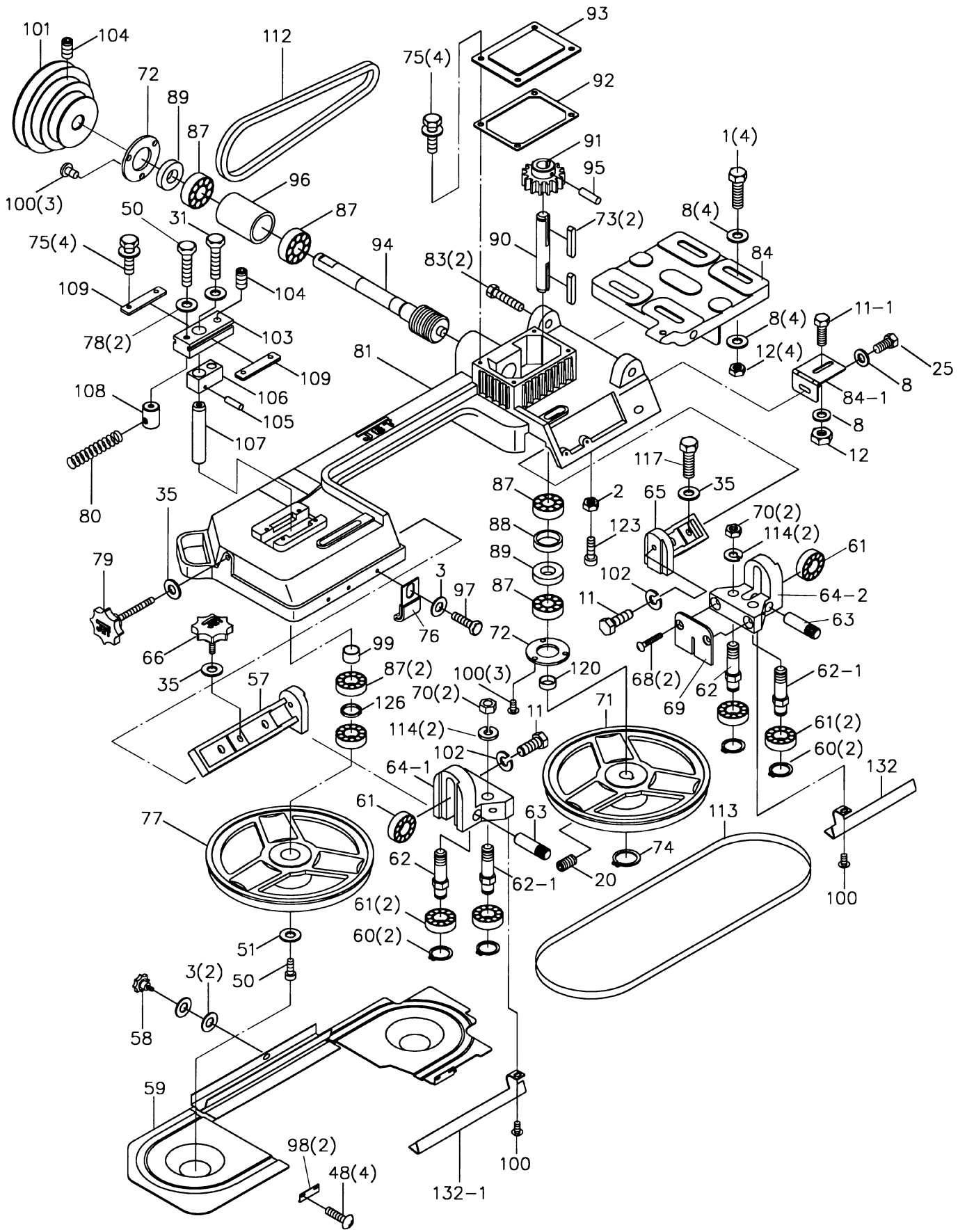
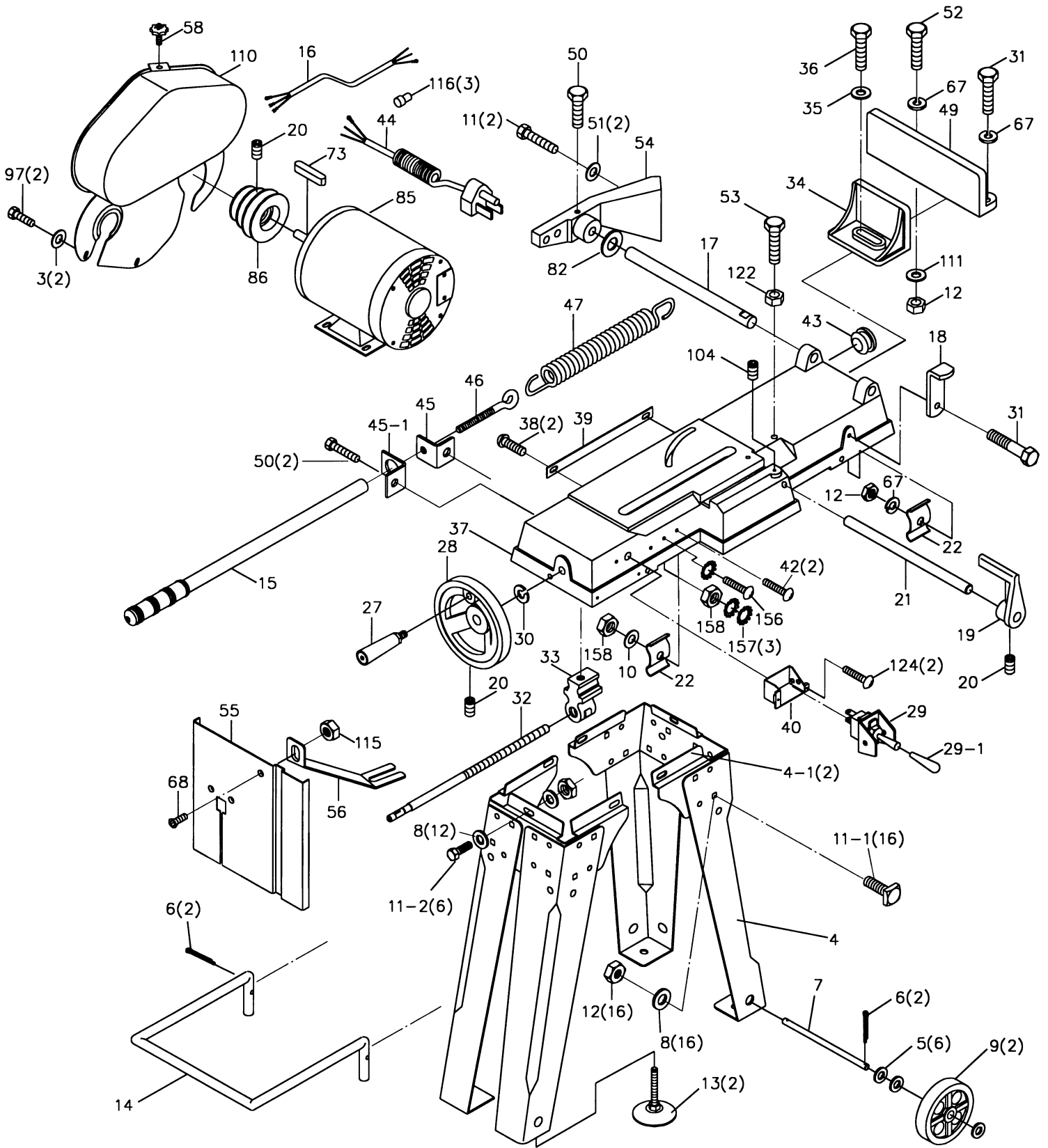


Fig. 18

Breakdown for Bow Assembly



Breakdown for Base Assembly



Parts List for the HVBS-56M Bandsaw

| Index No. | Part No. | Description | Size | Qty. |
|-----------|---------------|------------------------|-------------|------|
| 1 | TS-0051031 | Hex Cap Bolt | 5/16"x3/4" | 4 |
| 2 | TS-0561011 | Hex Nut | 1/4" | 1 |
| 3 | TS-0680021 | Flat Washer | 1/4" | 5 |
| 4 | HVBS56M-04 | Stand Leg | | 4 |
| 4-1 | HVBS56M-04-1 | Cross Brace | | 2 |
| 5 | HVBS56M-05 | Washer | | 6 |
| 6 | HVBS462-006 | Cotter Pin | 1/8"x1" | 4 |
| 7 | HVBS56M-07 | Axle | | 1 |
| 8 | TS-0680031 | Flat Washer | 5/16" | 36 |
| 9 | HVBS56M-09 | Wheel | | 2 |
| 10 | HVBS56M-010 | Washer | 1/4"x5/8" | 1 |
| 11 | TS-0051051 | Hex Cap Bolt | 5/16"x1" | 4 |
| 11-1 | HVBS56M-11-1 | Carriage Bolt | 5/16"x3/4" | 16 |
| 11-2 | TS-0051051 | Hex Cap Bolt | 5/16"x1" | 6 |
| 12 | TS-0561021 | Hex Nut | 5/16" | 22 |
| 13 | HVBS56M-013 | Adjustable Foot | | 2 |
| 14 | HVBS462-014 | Floor Stand Handle | | 1 |
| 15 | HVBS462-015 | Adjusting Rod | | 1 |
| 16 | HVBS462-016 | Electric Cord | | 1 |
| 17 | HVBS462-017 | Pivoting Rod | | 1 |
| 18 | HVBS462-018 | Support Plate | | 1 |
| 19 | HVBS462-019 | Stock Stop | | 1 |
| 20 | TS-0270021 | Socket Set Screw | 5/16"x5/16" | 4 |
| 21 | HVBS462-021 | Stock Stop Rod | | 1 |
| 22 | HVBS462-022 | Wire Relief Retainer | | 2 |
| 25 | TS-0051031 | Hex Cap Bolt | 5/16"x3/4" | 1 |
| 27 | HVBS462-027 | Wheel Handle | | 1 |
| 28 | HVBS462-028 | Hand Wheel | | 1 |
| 29 | HVBS56M-029 | Toggle Switch Assembly | | 1 |
| 29-1 | HVBS56M-029-1 | Plastic Cover | | 1 |
| 30 | HVBS462-030 | E-Ring | E10 | 1 |
| 31 | HVBS462-031 | Screw | 5/16"x1" | 3 |
| 32 | HVBS462-032 | Lead Screw | | 1 |
| 33 | HVBS462-033 | Vise Nut | | 1 |
| 34 | HVBS462-034 | Moveable Vise Plate | | 1 |
| 35 | TS-0680041 | Flat Washer | 3/8"x1" | 6 |
| 36 | TS-0090061 | Hex Cap Bolt | 3/8"x1-1/4" | 1 |
| 37 | HVBS462-037 | Bed | | 1 |
| 38 | HVBS462-038 | Cross Round Head Screw | 3/16"x3/8" | 2 |
| 39 | HVBS462-039 | Scale | | 1 |
| 40 | HVBS462-040 | Electric Cord Clip | | 1 |
| 42 | HVBS56M-042 | Screw | M4x16 | 2 |
| 43 | HVBS462-043 | Rubber Ring | | 1 |
| 44 | HVBS462-044 | Electric Cable | | 1 |
| 45 | HVBS462-045 | Nut Plate | | 1 |
| 45-1 | HVBS56M-045-1 | Spring Handle Bracket | | 1 |
| 46 | HVBS462-046 | Spring Adjusting Screw | | 1 |
| 47 | HVBS462-047 | Spring | | 1 |
| 48 | HVBS462-048 | Cross Round Head Screw | 3/16"x3/8" | 4 |
| 49 | HVBS462-049 | Mitering Vise Plate | | 1 |
| 50 | TS-0081031 | Hex Cap Bolt | 5/16"x3/4" | 6 |
| 51 | TS-0680031 | Flat Washer | 5/16" | 3 |

| Index No. | Part No. | Description | Size | Qty. |
|-----------|----------------|--|--------------|------|
| 52 | TS-0081071 | Hex Cap Bolt | 5/16"x1-1/2" | 1 |
| 53 | TS-0091071 | Hex Cap Screw | 7/16"x2" | 1 |
| 54 | HVBS56M-054 | Pivot Bracket | | 1 |
| 55 | HVBS462-055 | Vertical Cutting Plate | | 1 |
| 56 | HVBS462-056 | Stand for Vertical Cutting Plate | | 1 |
| 57 | HVBS56M-057 | Adjustable Bracket Assembly LH | | 1 |
| 58 | HVBS462-058 | Knob | 1/4" | 1 |
| 59 | HVBS56M-059 | Blade Back Safety Cover | | 1 |
| 60 | HVBS462-060 | C-Clip | S10 | 4 |
| 61 | BB-6000ZZ | Ball Bearing | 6000ZZ | 6 |
| 62 | HVBS462-062 | Guide Pivot | | 2 |
| | HVBS462-062A | Center Shaft Assembly (Includes: #60-62) | | 1 |
| 62-1 | HVBS462-062-1 | Centrifugal Guide Pivot | | 2 |
| | HVBS462-062-1A | Eccentric Shaft Assembly (Includes: #60,61,62-1) | | 1 |
| 63 | HVBS462-063 | Bearing Shaft Pin | | 2 |
| 64-1 | HVBS462-064-1 | Blade Seat Left | | 1 |
| 64-2 | HVBS462-064-2 | Blade Seat Right | | 1 |
| 65 | HVBS56M-065 | Adjustable Bracket-Assembly RH | | 1 |
| 66 | HVBS462-066 | Lock Knob | | 1 |
| 67 | TS-0720081 | Lock Washer | 5/16" | 3 |
| 68 | TS-0813051 | Flat Head Machine Screw | 1/4"X3/4" | 3 |
| 69 | HVBS462-069 | Bearing Guard | | 1 |
| 70 | TS-0561031 | Hex Nut | 3/8" | 8 |
| 71 | HVBS462-071 | Blade Wheel Drive | | 1 |
| 72 | HVBS462-072 | Bearing Cover | | 2 |
| 73 | HVBS462-073 | Key | 5x5x25 | 2 |
| 74 | HVBS56M-060 | C-Clip | S15 | 1 |
| 75 | HVBS462-075 | Hex Cap Bolt (w/Washer) | 1/4"x1/2" | 8 |
| 76 | HVBS462-076 | Switch Cut Off Trip | | 1 |
| 77 | HVBS462-077 | Idle Blade Wheel | | 1 |
| 78 | TS-0680031 | Flat Washer | 5/16" | 2 |
| 79 | HVBS462-079 | Blade Tension Knob | 3/8" | 1 |
| 80 | HVBS462-080 | Spring | | 1 |
| 81 | HVBS56M-081 | Saw Bow | | 1 |
| 82 | HVBS56M-082 | Washer | | 1 |
| 83 | TS-0070031 | Cap Screw | 1/2"x1-1/2" | 2 |
| 84 | HVBS56M-084 | Motor Mount Plate | | 1 |
| 84-1 | HVBS56M-084-1 | Tension Bracket | | 1 |
| 85 | HVBS463-085 | Motor | 1/2 HP, 1Ph | 1 |
| | HVBS463-085-01 | Capacitor Cover (not shown) | | 1 |
| | HVBS462-085-02 | Capacitor (not shown) | | 1 |
| 86 | HVBS462-086 | Motor Pulley | | 1 |
| 87 | BB-6202ZZ | Ball Bearing | 6202ZZ | 6 |
| 88 | HVBS462-088 | Bearing Bushing | | 1 |
| 89 | OS-15375 | Oil Seal | | 2 |
| 90 | HVBS462-090 | Transmission Wheel Shaft | | 1 |
| 91 | HVBS462-091 | Worm Gear | | 1 |
| 92 | HVBS462-092 | Gear Box Gasket | | 1 |
| 93 | HVBS462-093 | Gear Box Cover | | 1 |
| 94 | HVBS462-094 | Worm Gear (w/Shaft) | | 1 |
| 95 | HVBS462-095 | Spring Pin | | 1 |
| 96 | HVBS462-096 | Bearing Bushing | | 1 |
| 97 | TS-0050011 | Hex Cap Bolt | 1/4"x1/2" | 3 |
| 98 | HVBS56M-098 | Clamp | | 2 |

| Index No. | Part No. | Description | Size | Qty. |
|-----------|--------------|-------------------------------|-------------|------|
| 99 | HVBS462-099 | Spacer | | 1 |
| 100 | HVBS462-100 | Flat Cross Head Screw | 5/32"x3/8" | 8 |
| 101 | HVBS462-101 | Worm Gear Pulley | | 1 |
| 102 | TS-0720081 | Lock Washer | 5/16" | 2 |
| 103 | HVBS462-103 | Blade Tension Sliding Plate | | 1 |
| 104 | TS-0270051 | Socket Set Screw | 5/16"x1/2" | 3 |
| 105 | HVBS462-105 | Spring Pin | | 1 |
| 106 | HVBS462-106 | Sliding Plate Draw Block | | 1 |
| 107 | HVBS462-107 | Blade Wheel Shaft | | 1 |
| 108 | HVBS462-108 | Shaft Block | | 1 |
| 109 | HVBS462-109 | Blade Tension Sliding Guide | | 2 |
| 110 | HVBS462-110 | Motor Pulley Cover Assembly | | 1 |
| 111 | TS-0680031 | Flat Washer | 5/16" | 1 |
| 112 | VB-A22 | V-Belt | A22 | 1 |
| 113 | 414301 | Blade | | 1 |
| 114 | TS-0680041 | Flat Washer | 3/8" | 4 |
| 115 | TS-0561011 | Hex Nut | 1/4" | 1 |
| 116 | HVBS463-170 | Wire Plug | | 3 |
| 117 | HVBS463-171 | Hex Screw | 3/8"x1-1/4" | 1 |
| 120 | HVBS462-120 | Bushing | | 1 |
| 122 | TS-0561041 | Hex Nut | 7/16" | 1 |
| 123 | TS-0050031 | Cap Screw | 1/4"x3/4" | 1 |
| 124 | HVBS463-124 | Machine Screw | 3/16"x3/4" | 2 |
| 126 | HVBS462-126 | Bushing | | 1 |
| 132 | HVBS462-132 | Blade Guard-Right | | 1 |
| 132-1 | HVBS462-132A | Blade Guard-Left | | 1 |
| 156 | HVBS462-156 | Round Head Screw | 3/16"x3/4" | 1 |
| 157 | HVBS462-157 | Star Washer | 3/16" | 3 |
| 158 | HVBS463-158 | Hex Nut | 3/16" | 3 |
| 159 | HVBS462-159 | Round Cross Head Screw | 3/16" | 1 |
| | HVBS56M-BS | Blade Speed Label (not shown) | | 1 |
| | HVBS56M-ID | I.D. Label (not shown) | | 1 |
| | HVBS56M-WL | Warning Label (not shown) | | 1 |
| | JM-56M | Stripe Decal (not shown) | | 1 |

Wiring Diagram

