



Operating Instructions and Parts Manual

12-inch XACTA[®] Cabinet Saw

Model JTAS-12-DX



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1.0 Warranty and Service

JET warrants every product it sells against manufacturers' defects. If one of our tools needs service or repair, please contact Technical Service by calling 1-800-274-6846, 8AM to 5PM CST, Monday through Friday.

Warranty Period

The general warranty lasts for the time period specified in the literature included with your product or on the official JET branded website.

- JET products carry a limited warranty which varies in duration based upon the product. (See chart below)
- Accessories carry a limited warranty of one year from the date of receipt.
- Consumable items are defined as expendable parts or accessories expected to become inoperable within a reasonable amount of use and are covered by a 90 day limited warranty against manufacturer's defects.

Who is Covered

This warranty covers only the initial purchaser of the product from the date of delivery.

What is Covered

This warranty covers any defects in workmanship or materials subject to the limitations stated below. This warranty does not cover failures due directly or indirectly to misuse, abuse, negligence or accidents, normal wear-and-tear, improper repair, alterations or lack of maintenance. JET woodworking machinery is designed to be used with Wood. Use of these machines in the processing of metal, plastics, or other materials outside recommended guidelines may void the warranty. The exceptions are acrylics and other natural items that are made specifically for wood turning.

Warranty Limitations

Woodworking products with a Five Year Warranty that are used for commercial or industrial purposes default to a Two Year Warranty. Please contact Technical Service at 1-800-274-6846 for further clarification.

How to Get Technical Support

Please contact Technical Service by calling 1-800-274-6846. **Please note that you will be asked to provide proof of initial purchase when calling.** If a product requires further inspection, the Technical Service representative will explain and assist with any additional action needed. JET has Authorized Service Centers located throughout the United States. For the name of an Authorized Service Center in your area call 1-800-274-6846 or use the Service Center Locator on the JET website.

More Information

JET is constantly adding new products. For complete, up-to-date product information, check with your local distributor or visit the JET website.

How State Law Applies

This warranty gives you specific legal rights, subject to applicable state law.

Limitations on This Warranty

JET LIMITS ALL IMPLIED WARRANTIES TO THE PERIOD OF THE LIMITED WARRANTY FOR EACH PRODUCT. EXCEPT AS STATED HEREIN, ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN 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.

JET sells through distributors only. The specifications listed in JET printed materials and on official JET website are given as general information and are not binding. JET reserves the right to effect at any time, without prior notice, those alterations to parts, fittings, and accessory equipment which they may deem necessary for any reason whatsoever. JET® branded products are not sold in Canada by JPW Industries, Inc.

Product Listing with Warranty Period

| |
|--|
| 90 Days – Parts; Consumable items |
| 1 Year – Motors; Machine Accessories |
| 2 Year – Metalworking Machinery; Electric Hoists, Electric Hoist Accessories; Woodworking Machinery used for industrial or commercial purposes |
| 5 Year – Woodworking Machinery |
| Limited Lifetime – JET Parallel clamps; VOLT Series Electric Hoists; Manual Hoists; Manual Hoist Accessories; Shop Tools; Warehouse & Dock products; Hand Tools: Air Tools |

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3.0 Safety warnings

1. Read and understand the entire owner's manual before attempting assembly or operation.
2. Read and understand the warnings posted on the machine and in this manual. Failure to comply with all of these warnings may cause serious injury.
3. Replace the warning labels if they become obscured or removed.
4. This table saw 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 table saw, do not use until proper training and knowledge have been obtained.
5. Do not use this table saw for other than its intended use. If used for other purposes, JET disclaims any real or implied warranty and holds itself harmless from any injury that may result from that use.
6. Always wear approved safety glasses/face shield while using this table saw. Everyday eyeglasses only have impact resistant lenses; they are not safety glasses.
7. Before operating this table saw, remove tie, rings, watches and other jewelry, and roll sleeves up past the elbows. Remove all loose clothing and confine long hair. Non-slip footwear or anti-skid floor strips are recommended. Do not wear gloves.
8. Use the blade guard for every operation for which it can be used, including all "through-sawing" operations. A through-sawing operation is one in which the blade cuts completely through the workpiece.
9. Kickback occurs when the workpiece is thrown towards the operator at a high rate of speed. If you do not have a clear understanding of kickback and how it occurs, DO NOT operate this table saw!
10. Wear ear protectors (plugs or muffs) during extended periods of operation.
11. **WARNING:** Drilling, sawing, sanding or machining wood products generates wood dust and other substances known to the State of California to cause cancer. Avoid inhaling dust generated from wood products or use a dust mask or other safeguards to avoid inhaling dust generated from wood products.
12. Wood products emit chemicals known to the State of California to cause birth defects or other reproductive harm. (California Health and Safety Code Section 25249.6)
13. Do not operate this machine while tired or under the influence of drugs, alcohol or any medication.
14. Make certain the switch is in the OFF position before connecting the machine to the power supply.
15. Make certain the machine is properly grounded.
16. Make all machine adjustments or maintenance with the machine unplugged from the power source.
17. Remove adjusting keys and wrenches. Form a habit of checking to see that keys and adjusting wrenches are removed from the machine before turning it on.
18. Keep safety 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 after completion of maintenance.
19. 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.
20. Provide for adequate space surrounding work area and non-glare, overhead lighting.
21. Keep the floor around the machine clean and free of scrap material, oil and grease.
22. Keep visitors a safe distance from the work area. Keep children away.
23. Make your workshop child proof with padlocks, master switches or by removing starter keys.
24. Give your work undivided attention. Looking around, carrying on a conversation and "horse-play" are careless acts that can result in serious injury.
25. Maintain a balanced stance at all times so that you do not fall into the blade or other moving parts. Do not overreach or use excessive force to perform any machine operation.
26. Use the right tool at the correct speed and feed rate. Do not force a tool or attachment to do a job for which it was not designed. The right tool will do the job better and more safely.

27. Use recommended accessories; improper accessories may be hazardous.
28. Maintain tools with care. Keep saw blades sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories.
29. Turn off the machine before cleaning. Use a brush or compressed air to remove chips or debris — do not use your hands.
30. Do not stand on the machine. Serious injury could occur if the machine tips over.
31. Never leave the machine running unattended. Turn the power off and do not leave the machine until it comes to a complete stop.
32. Remove loose items and unnecessary work pieces from the area before starting the machine.
33. Keep hands out of the line of saw blade.
34. Use a push-stick when required.
35. Pay particular attention to instructions on reducing risk of kickback.
36. Do not perform any operation freehand.
37. Never reach around or over saw blade.
38. Don't use in dangerous environment. Don't use power tools in damp or wet location, or expose them to rain. Keep work area well lighted.

Familiarize yourself with the following safety notices used in this manual:

CAUTION This means that if precautions are not heeded, it may result in minor injury and/or possible machine damage.

WARNING This means that if precautions are not heeded, it may result in serious injury or possibly even death.

4.0 About this manual

This manual is provided by JET covering the safe operation and maintenance procedures for a JET Model JTAS-12-DX Table Saw. This manual contains instructions on installation, safety precautions, general operating procedures, maintenance instructions and parts breakdown. Your machine has been designed and constructed to provide consistent, long-term operation if used in accordance with the instructions as set forth in this document.

Read and understand the entire contents of this manual before attempting assembly or operation.

This manual is not intended to be an exhaustive guide to table saw operational methods, use of jigs or after-market accessories, choice of stock, etc. Additional knowledge can be obtained from experienced users or trade articles. Whatever accepted methods are used, always make personal safety a priority.

If there are questions or comments, please contact your local supplier or JET. JET can also be reached at our web site: www.jettools.com.

Retain this manual for future reference. If the machine transfers ownership, the manual should accompany it.

WARNING Read and understand the entire contents of this manual before attempting assembly or operation! Failure to comply may cause serious injury!

5.0 Glossary

Arbor: Metal shaft that connects the drive mechanism to the blade.

Bevel Edge Cut: Tilt of the saw arbor and blade between 0° and 45° to perform an angled cutting operation.

Blade Guard: Mechanism mounted over the saw blade to prevent accidental contact with the cutting edge.

Crosscut: Sawing operation in which the miter gauge is used to cut across the grain of the workpiece.

Dado Blade: Blade(s) used for cutting grooves and rabbets. A stacked dado set can be used for wider grooves.

Dado Cut: Flat bottomed groove in the face of the workpiece made with a dado blade.

Featherboard: Device used to keep a board against the rip fence or table that allows the operator to keep hands away from saw blade.

Freehand: Moving the workpiece into the blade using only the hands, without a fixed positioning device. (This is a dangerous, unacceptable procedure – **always** use appropriate devices to feed the workpiece through the saw blade during cutting operations.)

Kerf: The resulting cut or gap made by a saw blade.

Kickback: An event in which the workpiece is lifted up and thrown back toward an operator, caused when a workpiece binds on the saw blade or between the blade and rip fence (or other fixed object). To minimize or prevent injury from kickbacks, see the *Operations* section.

Miter Gauge: A component that controls the workpiece movement while performing a crosscut of various angles.

Non-Through Cut: A sawing operation that requires the removal of the blade guard and standard riving knife, resulting in a cut that does not protrude through the top of the workpiece (includes Dado and rabbet cuts).

The blade guard and riving knife must be re-installed after performing a non-through cut to avoid accidental contact with the saw blade during operation.

Parallel: Position of the rip fence equal in distance at every point to the side face of the saw blade.

Perpendicular: 90° (right angle) intersection or position of the vertical and horizontal planes such as the position of the saw blade (vertical) to the table surface (horizontal).

Push Board/Push Stick: An instrument used to safely push the workpiece through the cutting operation.

Rabbet: A cutting operation that creates an L-shaped channel along the edge of a board.

Rip Cut: A cut made along the grain of the workpiece.

Riving Knife: A metal plate fixed relative to the blade, which moves with the blade as cutting depth is adjusted. Thus, it maintains not only the kerf opening in the workpiece, but also the knife-to-blade distance. A *low-profile* riving knife is used when performing a non-through cut because it sits lower than the top edge of the blade.

Splitter (Spreader): A stationary metal plate to which the blade guard is attached that maintains the kerf opening in the workpiece when performing a cutting operation.

Standard Kerf: 1/8" gap made with a standard blade.

Straightedge: A tool used to check that a surface is flat or parallel.

Through Sawing: A sawing operation in which the workpiece thickness is completely sawn through. Proper blade height usually allows 1/8" of the top of blade to extend above the wood stock. Keep the blade guard down, the anti-kickback pawls down, and the riving knife in place over the blade.

6.0 Specifications

Model numberJTAS-12-DX
 Stock number 708546PK

Motor and electricals:

Motor type..... totally enclosed fan cooled, induction, capacitor start
 Horsepower 5 HP (3.7kW)
 Phase single
 Voltage 230V only
 Cycle..... 60Hz
 Listed FLA (full load amps) 20 A
 Starting amps..... 70 A
 Running amps (no load) 5.5 A
 Start capacitor..... 600MFD, 250V AC
 Run capacitor..... 80µF, 350V AC
 Power transfer poly-v drive belt
 On/off switch.....magnetic, with overload relay
 Motor speed.....3450 RPM
 Power plug installed.....no
 Recommended circuit and fuse/breaker size ¹..... 30A
 Sound emission ² 85 dB at 36" (914 mm) from blade, without load

¹ subject to local/national electrical codes.

² The specified values are emission levels and are not necessarily to be seen as safe operating levels. As workplace conditions vary, this information is intended to allow the user to make a better estimation of the hazards and risks involved only.

Arbor and blade:

Blade included no
 Blade diameter..... 12" (305mm)
 Arbor diameter 1" (25.4mm)
 Arbor speed (RPM) 4300
 Arbor lock yes
 Maximum depth of cut at 90 degrees..... 4" (102mm)
 Maximum depth of cut at 45 degrees..... 2-7/8" (73mm)
 Maximum rip to right of blade..... 50" (1270mm)
 Maximum rip to left of blade..... 14" (356mm)
 Dado maximum width 13/16" (20.6mm)
 Dado maximum diameter..... 8" (200mm)
 Blade height per one revolution of handwheel..... 3/32" (2.3mm) for 90°; 1/16" (1.7mm) for 45°
 Blade tilt..... left, 0 to 45 deg.

Materials:

Main table ground cast iron
 Trunnion cast iron
 Enclosed cabinet steel
 Legs..... steel
 Table extensions..... ground cast iron
 Handwheels..... steel

Table:

Main table without extensions..... 31-1/2"L x 24"W (800 x 610mm)
 Left table extension..... 31-1/2"L x 10"W (800 x 254mm)
 Inner table extension 31-1/2"L x 23"W (800 x 584mm)
 Outer table extension..... 31-1/2"L x 23"W (800 x 584mm)
 Table size with full left and right extensions..... 31-1/2"L x 80"W (800 x 2032mm)
 Table area in front of blade at maximum depth of cut..... 12" (305mm)
 Table height from floor 34" (864mm)
 Miter slot two T-slots; 15/16"W x 0.15"H (24x3.8mm); opening 3/4"W x 3/8"H (19x9.6mm)
 Edge bevel..... front edge bevel on main table

Dust collection:

Dust port outside diameter..... 4" (100mm)
 Minimum extraction volume required..... 350 cfm (18cmm)

Dimensions:

Cabinet footprint 25-1/4"L x 24-3/4"W (645 x 629mm)
Overall dimensions of shipping crate (basic saw only) 35"L x 32-1/4"W x 46-1/2"H (89 x 82 x 118cm)
Overall dimensions, fully assembled, accessories mounted 50"L x 84-1/2"W x 40"H (127 x 215 x 102cm)

Weights:

Saw Only (Net/Shipping) 531/573 lb (241/260 kg)
Saw assembled with all accessories 623 lb (282.5 kg)

The specifications in this manual were current at time of publication, but because of our policy of continuous improvement, JET reserves the right to change specifications at any time and without prior notice, without incurring obligations.

7.0 Setup and assembly

7.1 Tools required for assembly

Metric wrench set, or 6"-8" adjustable wrench
 Metric hex key set
 Straight edge

7.2 Shipping contents

Carton contents (see Figure 1)

- 1 Table saw (not shown)
 - 1 Blade guard – **A**
 - 1 Anti-kickback pawl assembly – **B**
 - 1 Lock knob – **C**
 - 1 Handwheel with swivel handle – **D**
 - 1 Riving knife – **E**
 - 1 Miter gauge – **F**
 - 1 Switch support brace – **G**
 - 1 Arbor wrench – **H**
 - 1 Push stick – **I**
 - 1 Hex key 8mm – **J**
 - 1 Storage hook, small – **K**
 - 2 Storage hooks, large – **L**
 - 1 Motor cover – **M**
 - 2 Legs with leveling feet – **N**
 - 1 Cast iron table extension, 10-inch – **O**
 - 2 Cast iron table extensions, 23-inch – **P**
 - 1 Operator's Manual (not shown)
 - 1 Warranty Card (not shown)
- 2 Hardware bags containing:
- 3 Hex cap screws, 7/16"x1-1/2" – **HP1**
 - 3 Lock washers, 7/16" – **HP2**
 - 3 Flat washers, 7/16" – **HP3**
 - 8 Hex cap screws, 5/16"x3/4" – **HP4**
 - 8 Lock washers, 5/16" – **HP5**
 - 8 Flat washers, 5/16" – **HP6**

Note: Fence and rail assemblies are shipped in separate cartons.

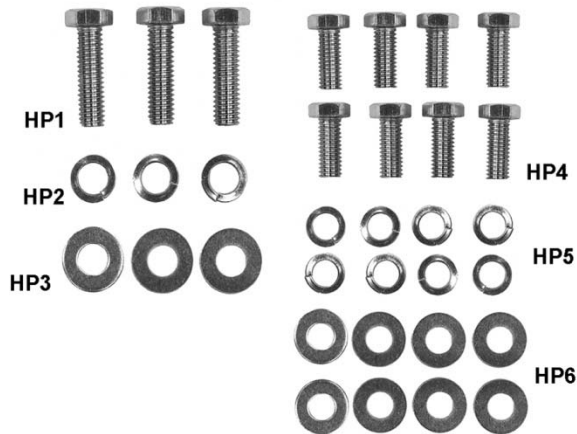


Figure 2

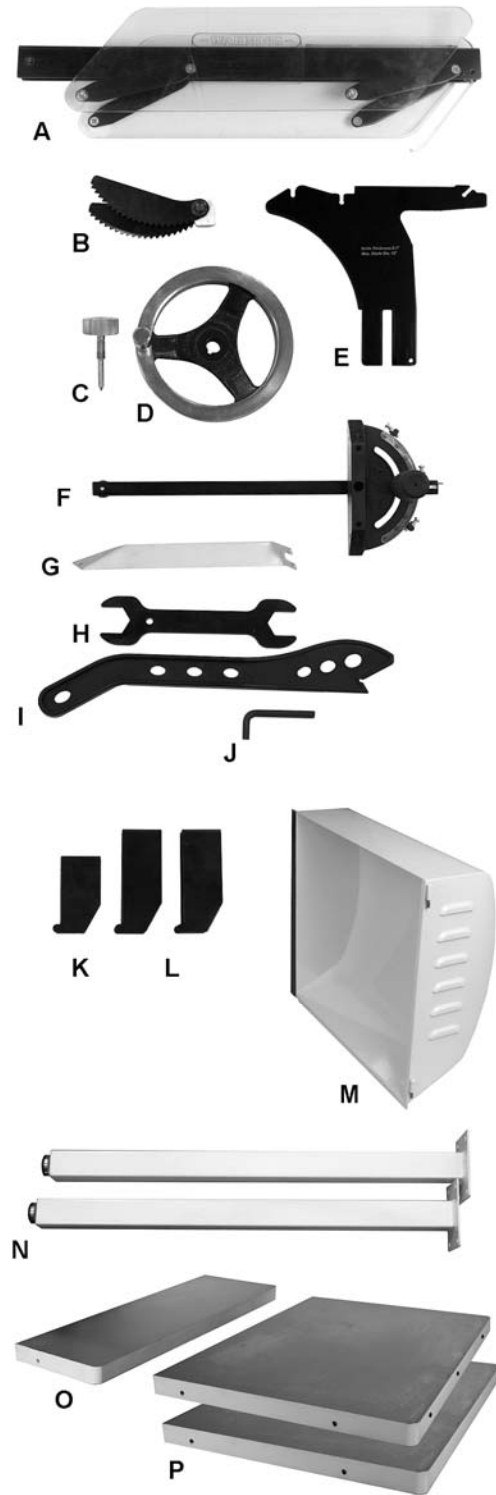


Figure 1
 (items not to scale)

7.3 Unpacking and cleanup

1. Remove all contents from shipping container. Do not discard any shipping material until saw is set up and running satisfactorily.
2. Inspect contents for shipping damage. Report damage, if any, to your local distributor.
3. Compare contents of shipping carton with the contents list in *section 7.2*. Also check saw in case any listed parts have been pre-installed. Report shortages, if any, to your distributor.
4. Exposed surfaces have been coated with a protectant. This can be removed with a soft rag and kerosene or a cleaner-degreaser.

7.4 Installation and leveling

- **Tool:** 12mm wrench

1. Remove two screws holding saw to pallet.
2. Carefully move saw to its final location. Final location for the saw must be level, dry, well lighted, and have enough room to allow movement around the saw with long pieces of wood stock.
3. Level the saw front to back and side to side using a carpenter's level placed on the table. Use shims under the cabinet corners, if necessary, but make sure saw is stable before being placed into service.

7.5 Installing table extensions

- **Hardware:** (9 each) 7/16" screws (**HP1**), lock washers (**HP2**), flat washers (**HP3**); and (8 each) 5/16" screws (**HP4**), lock washers (**HP4**), flat washers (**HP6**); and (3) table extensions.
- **Tools:** 17mm wrench, 12mm wrench, straight edge, lift table or similar supporting device

1. Remove shipping bracket (A, Figure 3) from table and switch. Keep the upper screw and washers; they will be used to hold table extension in place.



Figure 3

IMPORTANT: The tables must be aligned carefully to allow smooth transition of rip fence and workpieces over the seams.

2. Install the 10-inch table extension to left edge of saw table with three screws, lock washers and flat washers. Snug screws, but do not tighten.
3. Slide extension toward front edge of saw table until the two front edges are flush (D, Figure 4). This will ensure proper guide rail installation.

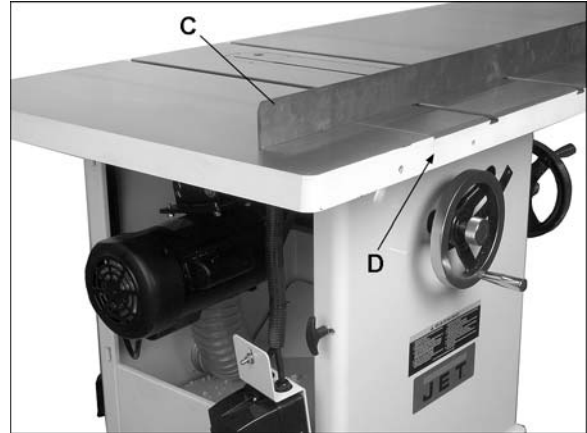


Figure 4

4. Use a straight edge (C, Figure 4) to align extension to saw table and tighten screws.
ASSEMBLY TIP: Align center section first and tighten center screw almost completely. Then place flat wood blocks at outer ends, spanning main table and extension, and use clamps to press blocks firmly against tables – this will bring the outer ends of tables into alignment. Tighten all three screws.
5. Identify the two 23-inch table extensions: the *inner* table extension has holes or slots on all four edges; the *outer* table extension has one blank edge and threaded holes underneath for leg attachment.

WARNING

The table extensions are heavy! Exercise caution and use assistants or a support device to hold the extensions while assembling.

6. Install inner table extension (E, Figure 5), with slots toward saw, with three screws and washers.
7. Follow steps 3 and 4 above. Continue supporting inner table extension until outer extension is installed.
8. Install legs (F) beneath outer table extension (G) with eight screws and washers.
9. Install outer table extension to edge of inner extension using steps 3 and 4. Rotate leveling feet on legs as needed.

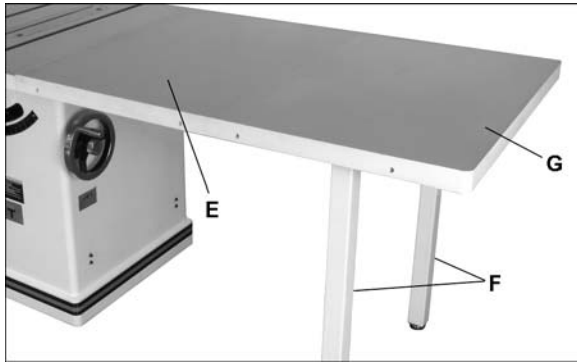


Figure 5

7.6 Installing motor cover

1. Install motor cover by aligning pins on cover with barrels on cabinet (A, Figure 6).
2. Fasten door by pulling out latch (B, Figure 6), closing door, and releasing latch.

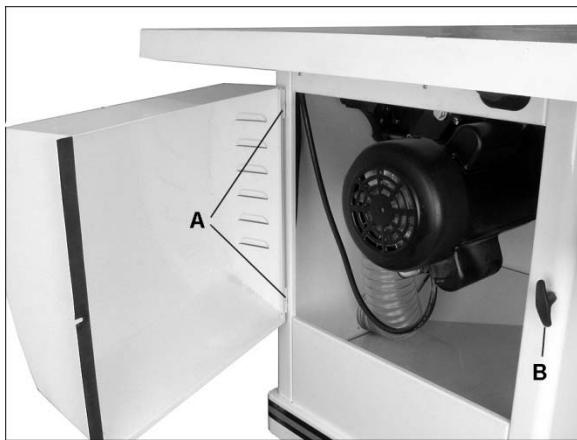


Figure 6

7.7 Installing handwheel

- **Hardware:** Handle and handwheel, lock knob
- **Tool:** 3mm hex key

1. Remove tape holding key to shaft.
2. Line up key on shaft with keyway in handwheel and slide handwheel (C, Figure 7) onto shaft.
3. Tighten set screw on handwheel hub securely to hold in place.
4. Insert lock knob (D, Figure 7) into center hole in shaft and rotate in clockwise direction.

Note: Rotate handwheel in order to free the packing below the motor.

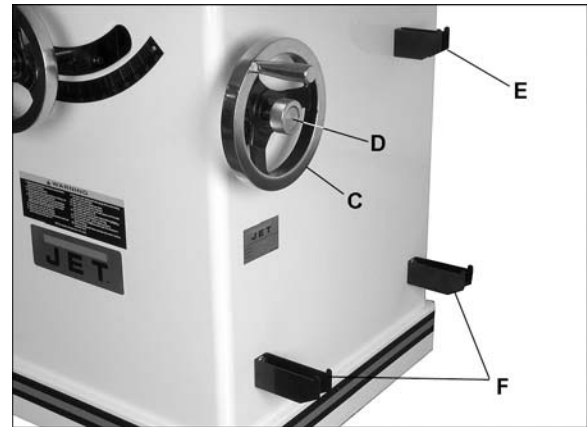


Figure 7

7.8 Installing storage hooks

- **Hardware:** Socket head cap screws and washers (already in cabinet holes)
- **Tool:** 5mm hex key

Install small hook (E, Figure 7) in upper hole for miter gauge storage. The larger hooks (F, Figure 7) are installed in the lower holes for fence storage.

7.9 Installing blade (not provided)

WARNING When installing or changing saw blade, always disconnect saw from power source. Failure to comply may cause serious injury.

- **Tool:** Arbor wrench

1. Raise blade arbor fully with front handwheel and lock it at zero degrees by tightening lock knob in middle of handwheel.
2. Remove arbor nut (A, Figure 8) and flange (B).
3. Place blade on arbor shaft, making sure the teeth point down toward front of saw. Reinstall flange and arbor nut.
4. Rotate arbor until hole (C) lines up with arbor lock pin (D). Push pin into hole and hold.
5. Tighten arbor nut with provided wrench. Do not overtighten.

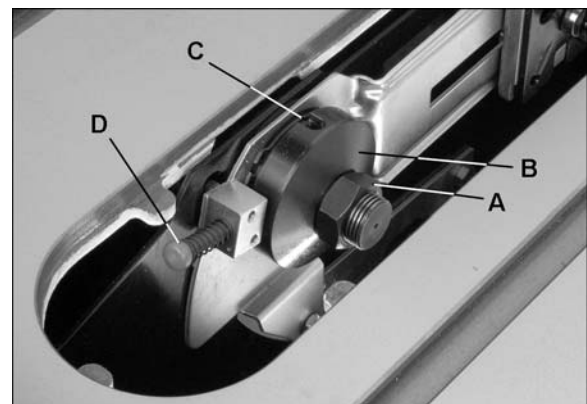


Figure 8

7.10 Installing riving knife

- **Hardware:** riving knife
- **Tool:** straight edge

1. Loosen handle (E, Figure 9).
2. Push tabs of riving knife into block as far down as it will go and tighten handle.

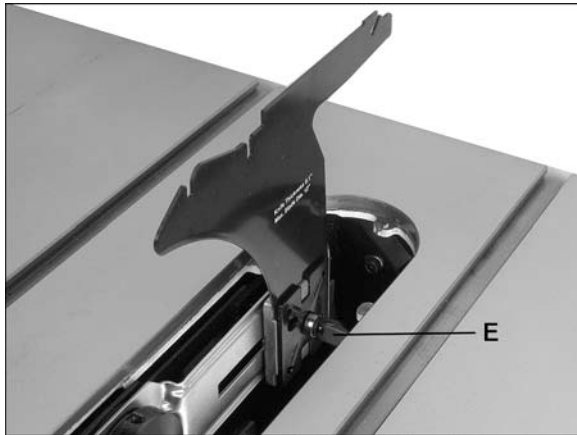


Figure 9

3. Install blade (not provided).
4. Lay a straight edge against side of riving knife and blade (Figure 10). Make sure it contacts flat surface of blade, not an offset tooth.
5. If knife and blade are not flush, note the direction in which riving knife needs to move to align. Remove riving knife and adjust any of four set screws (F, Figure 11).
6. Reinstall riving knife and check alignment again. Repeat as needed until surfaces are flush.

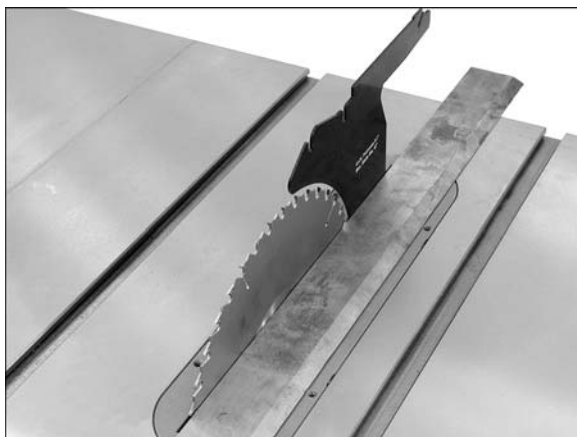


Figure 10

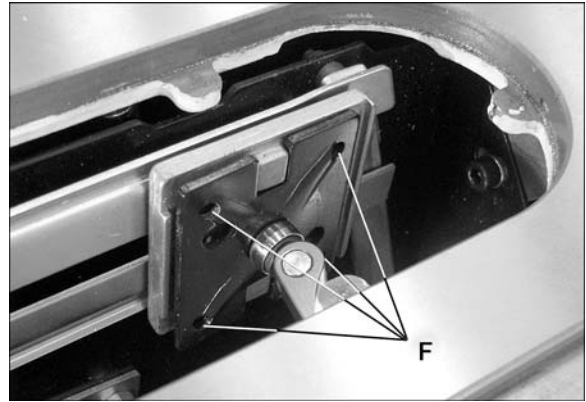


Figure 11

7.11 Table insert adjustment

- **Hardware:** Table insert
- **Tools:** Straight edge, 2.5mm hex key

Install table insert and make it flush with table by turning any of six leveling screws (G, Figure 12) while verifying with a straight edge.

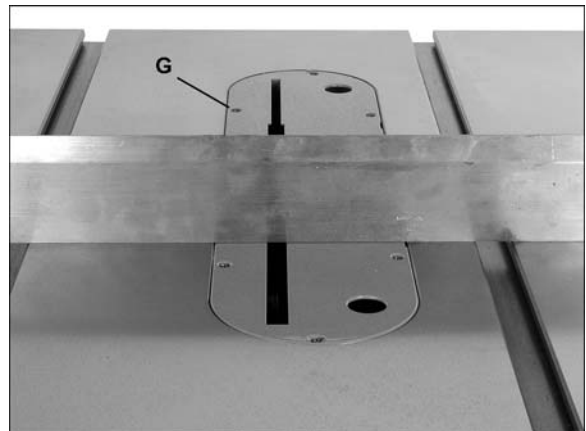


Figure 12

7.12 Installing anti-kickback pawls and blade guard assembly

1. Install riving knife and table insert.
2. Push the pin (H, Figure 13) at side of pawl assembly, and slide pawl assembly into recess of riving knife.
3. Push the pin (I, Figure 14) on rear of blade guard, and slide it into recess at back of riving knife. Allow front of guard to lower to the table.

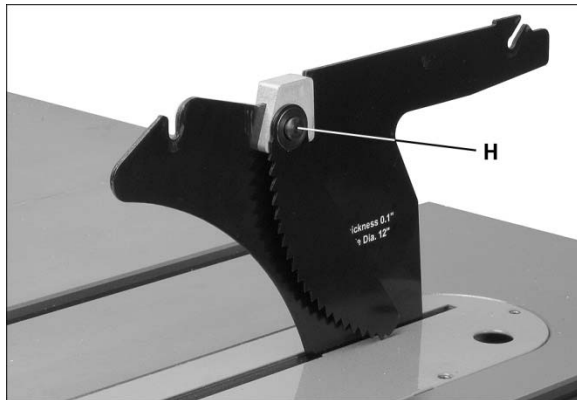


Figure 13



Figure 14

7.13 Installing rails and rip fence

With table extensions properly aligned and secured, the rail and fence assembly can be mounted to saw. See owner's manual M-708955Z, *XACTA Fence for JTAS-12-DX*, for instructions.

7.14 Installing switch and brace

- **Hardware:** Switch brace
- **Tool:** 8mm hex key, 8mm wrench

1. Place switch bracket assembly behind both front fence rail and lip of left table extension. (Do not place between front fence rail and table extension; this will cause front rail to distort and the fence to bind).
2. Loosen (do not remove) screw (A, Figure 15).
3. Slide open tab of switch brace onto the screw and washer. Hand tighten only at this time.
4. Remove nut and star washer from screw at bottom of switch plate.

5. Fasten switch brace to switch bracket assembly with the star washer and nut.
6. Align switch and tighten all hardware.



Figure 15

7.15 Miter gauge operation

1. Slide miter gauge into table T-slot.
2. Operate miter gauge by loosening lock knob (A, Fig. 16) and turning miter body (B) to desired angle. To move gauge beyond index stops of 45° and 90°, flip stop (C) out of the way.
3. Adjust index stops by turning one of three adjustment screws (D).

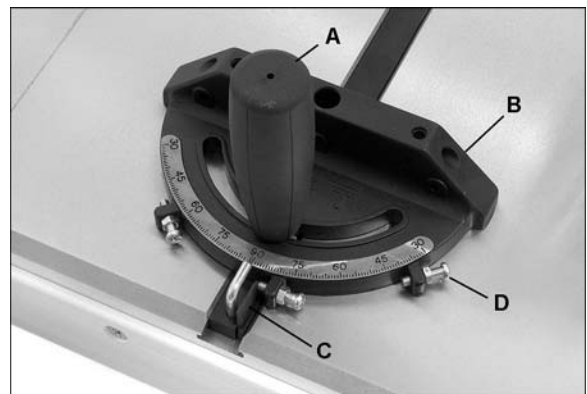


Figure 16

Note: Always make test cuts. Do not rely solely on miter gauge indicator marks. Holes are provided in the miter gauge body to allow mounting a wood extension fence.

8.0 Electrical connections

⚠WARNING Electrical connections must be made by a qualified electrician in compliance with all relevant codes. This machine must be properly grounded to prevent serious or fatal injury.

The JTAS-12-DX is rated for single phase, 230 volt power only. A plug is not provided.

Confirm power at the site matches that of the saw before making any electrical connections. Review the electrical diagram in *Section 13.0*.

You may either install a plug or “hard-wire” the saw directly to a control panel. If saw is to be hard-wired to a panel, make sure a disconnect is available for the operator. During hard-wiring, make sure the fuses have been removed or the breakers have been tripped in the circuit to which the machine will be connected. Place a warning placard on fuse holder or circuit breaker to prevent it being turned on while saw is being wired.

It is recommended that the JTAS-12-DX Table Saw be connected to a dedicated 30 amp circuit with circuit breaker or time delay fuse. **Local codes take precedence over recommendations.**

The on/off switch is thermally protected. If the saw motor is overloaded, or a momentary interruption of electrical current is sensed, the saw will shut off. Allow a few minutes for saw to cool down, then reset by pushing the off button.

8.1 Extension cords

The use of extension cords is discouraged. Try to position machines within reach of power source. If an extension cord becomes necessary, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.

Table 1 shows correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

| Amp Rating | | Volts | Total length of cord in feet | | | |
|------------|---------------|-------|------------------------------|-----|-----------------|-----|
| More Than | Not More Than | 240 | 50 | 100 | 200 | 300 |
| | | | AWG | | | |
| 0 | 6 | | 18 | 16 | 16 | 14 |
| 6 | 10 | | 18 | 16 | 14 | 12 |
| 10 | 12 | | 16 | 16 | 14 | 12 |
| 12 | 16 | | 14 | 12 | Not Recommended | |

*Extension Cord Recommendations
Table 1*

9.0 Adjustments

9.1 Blade raising and tilting

1. To raise or lower saw blade, loosen lock knob (A, Figure 17) and turn handwheel (B) on the saw front until desired height is reached. Tighten lock knob. Blade should be adjusted no more than 1/8" to 1/4" above top surface of material being cut.
2. To tilt blade, loosen lock knob (C, Figure 17), turn handwheel on right of saw cabinet (D) until desired angle is obtained, then tighten lock knob.

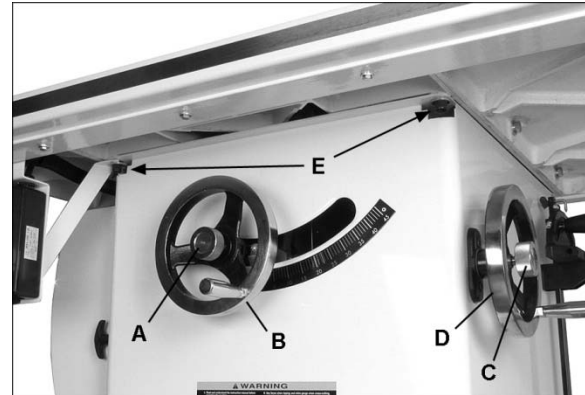


Figure 17

⚠WARNING All following adjustments must be made with machine disconnected from power source. Failure to comply may cause serious injury.

9.2 Blade alignment

- **Tool:** 8mm hex key, combination square, felt-tip marker

Blade alignment is set by the manufacturer, but should be verified by the operator. Also after a period of use, or after relocating saw, the blade may become misaligned with table. To check and align blade:

1. Disconnect saw from power source.
2. Remove blade guard and anti-kickback pawls.
3. Use the right T-slot as a shoulder for a combination square. See Figure 18.
4. Choose a tooth on the far edge of blade and directly over the insert. Mark the tooth.
5. Measure the distance from side of blade to right T-slot edge using a combination square. Note: The square should contact flat surface of blade between teeth, not a raised tooth edge.
6. Rotate blade toward front so that marked tooth is just above insert. Measure distance from marked point of blade to right T-slot edge. The two measurements should be equal.

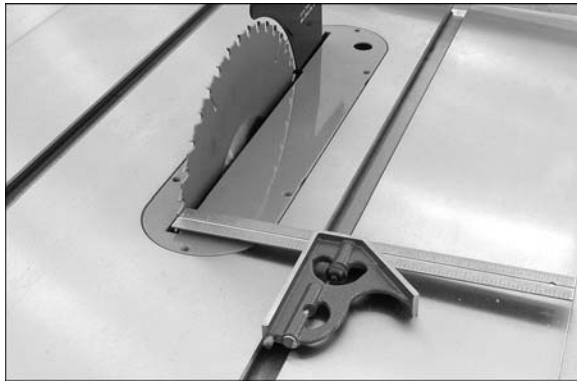


Figure 18

7. If measurements are not equal, locate the four screws that hold table to cabinet (E, Figure 17).
8. Loosen the four screws and bump the table as needed to align it with blade. Retighten screws firmly.

9.3 Adjusting 90° and 45° positive stops

- **Tool:** 12mm Wrench, combination square

Stops have been set by the manufacturer, but should be verified by the operator. Also after a period of use, or after relocating saw, the stops may need readjusting. To check and adjust the stops:

1. Disconnect saw from power source.
2. Raise saw blade to maximum height.
3. Set blade at 90-degrees to table by turning blade tilting handwheel clockwise as far as it will go.
4. Place a square on the table and check to see that blade is at 90-degree angle to table (Figure 19). Make sure square is not touching a blade tooth.

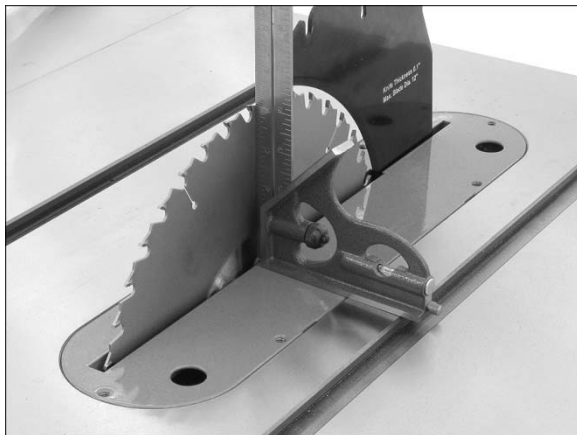


Figure 19

5. If blade is not at 90-degrees, open motor cover and tilt blade to access the stop screw.

6. Loosen lock nut (A, Figure 20) and turn stop screw (B) on front trunnion as needed. The stop screw should contact front trunnion bracket when blade is 90-degrees to table. Tilt blade back to 90-degrees and verify.
7. Tighten lock nut (A, Figure 20).



Figure 20

8. Verify pointer accuracy (C, Figure 21). Adjust if needed.
9. Set blade at 45-degrees to table by turning blade tilting handwheel counter-clockwise as far as it will go.
10. Place an angle measuring device on the table and against blade.
11. If blade is not at 45-degrees, loosen lock nut (D, Figure 21) and turn stop screw (E) on the front trunnion as needed. The stop screw should contact front trunnion bracket when blade is 45-degrees to table. (Note: You may wish to remove front handwheel for better access to stop screw.)
12. Verify pointer accuracy (C, Figure 21).

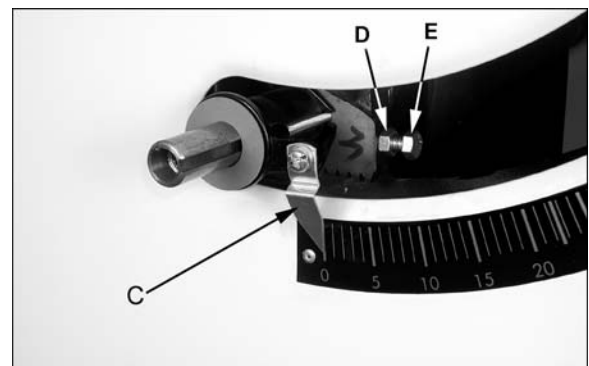


Figure 21
(shown with front handwheel removed)

9.4 Belt tension and replacement

1. Disconnect machine from power source.
2. Lower blade to its lowest point.
3. Loosen bolt (A, Figure 22).
4. Take tension off belt (B) by lifting up on motor.
5. Remove belt from arbor and motor pulleys.
6. Install new belt. The weight of the motor should apply sufficient tension to belt. Tighten bolt (A, Figure 22).

NOTE: New belts may stretch slightly until they are worn in. Check belt tension after saw has been used for a few hours, and adjust if necessary.

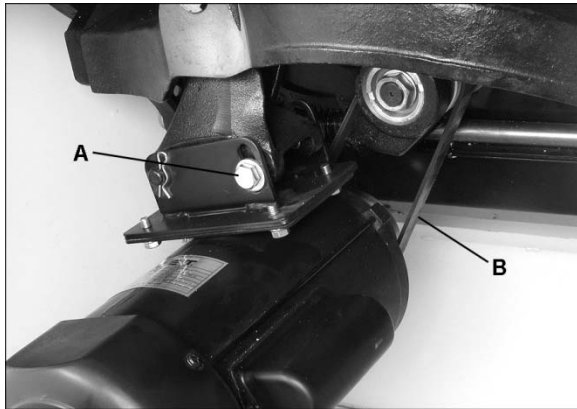


Figure 22

10.0 Maintenance

⚠WARNING Always disconnect power to the machine before performing maintenance. Failure to comply may cause serious injury.

Use vacuum or compressed air to clear out cabinet interior of sawdust and wood chips. Make sure motor fan and fan cover are also kept clear of sawdust.

Use a wire brush to clean worm gears and trunnions. Apply white lithium grease or powdered graphite to lubricate worm gears and trunnions.

Keep a light coat of rust-preventive on the table top when not in use. If rust develops on tabletop, remove it with WD-40® and a Scotch-Brite™ Hand Pad.

The saw arbor is press fitted in the saw raising arm housing. If the arbor ever needs to be removed for bearing replacement, it should be done by a qualified service technician. Call your customer service representative at the phone number on the front cover.

11.0 Troubleshooting the JTAS-12-DX Table Saw

11.1 Mechanical Problems

| Symptom | Possible Cause | Correction |
|--|--|--|
| Motor will not start. | Saw disconnected from power source. | Check plug or hard-wired connections. |
| | Fuse blown or circuit breaker tripped. | Replace fuse or reset circuit breaker. |
| | Cord damaged. | Replace cord. |
| | Low voltage. | Check power line for proper voltage. Contact local electric company. |
| | Open circuit in motor or loose connection. | Inspect incoming leads for loose or open connections. |
| Motor will not start: fuses blow or circuit breakers trip. | Short circuit in line cord or plug. | Inspect cord or plug for damaged insulation and shorted wires. |
| | Short circuit or loose connections. | Inspect all connections at junction box and motor for loose or shorted terminals or worn insulation. |
| | Incorrect fuses or circuit breakers in power line. | Install correct fuses or circuit breakers. |
| Blade will not come up to speed. | Extension cord too light or too long. | Replace with adequate size electrical cord. |
| | Low voltage. | Check power line for proper voltage. Contact local electric company. |
| Motor overheats. | Motor overloaded. | Reduce load on motor. |
| | Air circulation through motor restricted. | Clean motor fan with compressed air to restore normal air circulation. |
| Motor stalls, resulting in blown fuses or tripped circuit. | Motor overloaded. | Reduce load on motor. |
| | Short circuit in motor or loose connections. | Inspect connections on motor for loose or shorted terminals or worn insulation. |
| | Low voltage. | Correct the low voltage conditions. |
| | Incorrect fuses or circuit breakers in power line. | Install correct fuses or circuit breakers. |
| Loud, repetitive noise coming from machine. | Pulley setscrews or keys are missing or loose. | Inspect keys and setscrews. Replace or tighten if necessary. |
| | Motor fan is hitting cover. | Tighten fan or shim cover. |
| | V-belt is defective. | Replace V-belt. |
| Saw vibrates excessively. | Cabinet on uneven floor. | Reposition on flat, level surface. |
| | Saw blade is damaged. | Replace blade. |
| | Loose hardware. | Tighten hardware. |
| | Pulley bent. | Inspect and replace pulley. |
| | Improper motor mounting. | Check and adjust motor, tighten bolt(s). |
| | V-belt is defective. | Replace V-belt. |

Table 2

11.2 Operational Problems

| Symptom | Possible Cause | Correction |
|---|--|--|
| Machine slows when operating. | Applying too much pressure to workpiece. | Feed workpiece more slowly. |
| | Belt loose. | Tension belt. |
| Blade not square with miter slot, or fence not square to blade. | Blade is warped. | Replace saw blade. |
| | Fence not parallel to blade. | Adjust fence parallel to blade. |
| | Table not parallel to blade. | Adjust table parallel to blade. |
| Does not make accurate 45- or 90-degree cuts. | Stops not adjusted properly. | Check blade with angle measuring device, and adjust stops. |
| | Miter gauge out of adjustment. | Use a square or angle-setting device to adjust miter gauge to blade. |
| Rip fence binds on guide rails. | Guide rails or extension table not properly installed. | Re-assemble according to owner's manual. |
| | Fence locking system not adjusted properly. | Use set screws to adjust tension against guide tube. |
| Material binds in blade when ripping. | Fence not aligned with blade. | Check and adjust fence. |
| | Warped wood. | Select different stock. |
| | Applying excessive pressure to workpiece. | Feed workpiece more slowly. |
| | Riving knife not aligned with blade. | Adjust riving knife. |
| Material kicked back from blade. | Fence out of alignment. | Align fence with miter slot. |
| | Riving knife not aligned with blade. | Align riving knife with blade. |
| | Feeding stock without a fence. | Always use fence or similar guide to feed stock; do not feed freehand. |
| | Dull blade. | Replace blade. |
| | Releasing material before it clears blade. | Push material completely past blade before releasing it. |
| | Anti-kickback pawls are dull. | Replace anti-kickback pawls, or sharpen their points. |
| Blade does not rise or tilt freely. | Sawdust/debris in raising and tilting mechanisms. | Clean and regrease problem areas. |
| Saw makes unsatisfactory cuts. | Dull blade. | Sharpen or replace blade. |
| | Blade mounted backward. | Turn blade around. |
| | Gum or pitch on blade. | Remove blade and clean. |
| | Incorrect blade for desired cut. | Change blade to correct style, tooth pitch, etc. |
| | Gum or pitch on table. | Clean table. |

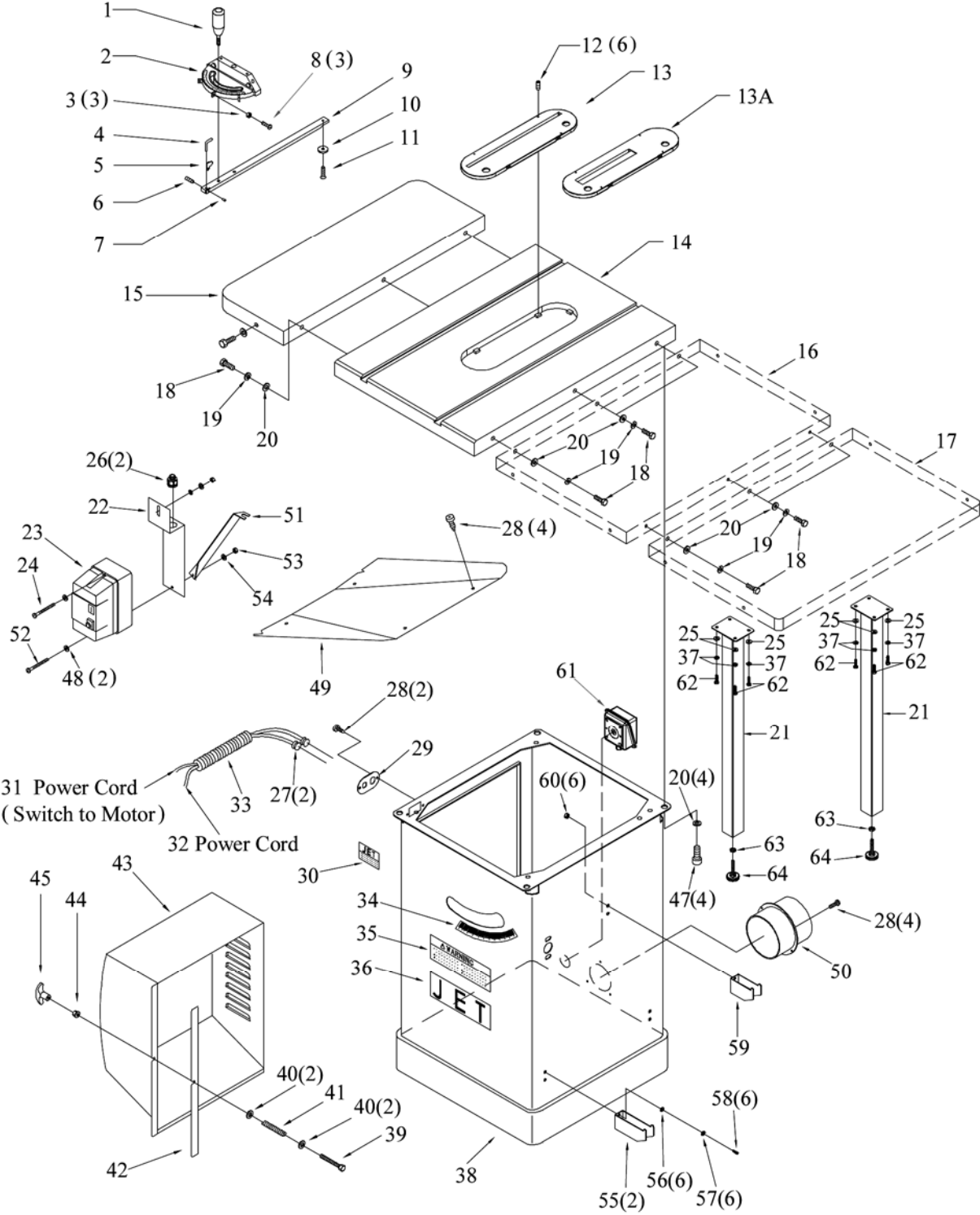
Table 3

12.0 Replacement Parts

Replacement parts are listed on the following pages. To order parts or reach our service department, call 1-800-274-6848 Monday through Friday, 8:00 a.m. to 5:00 p.m. CST. Having the Model Number and Serial Number of your machine available when you call will allow us to serve you quickly and accurately.

Non-proprietary parts, such as fasteners, can be found at local hardware stores, or may be ordered from JET. Some parts are shown for reference only, and may not be available individually.

12.1.1 Table and Cabinet Assembly (JTAS-12-DX) – Exploded View

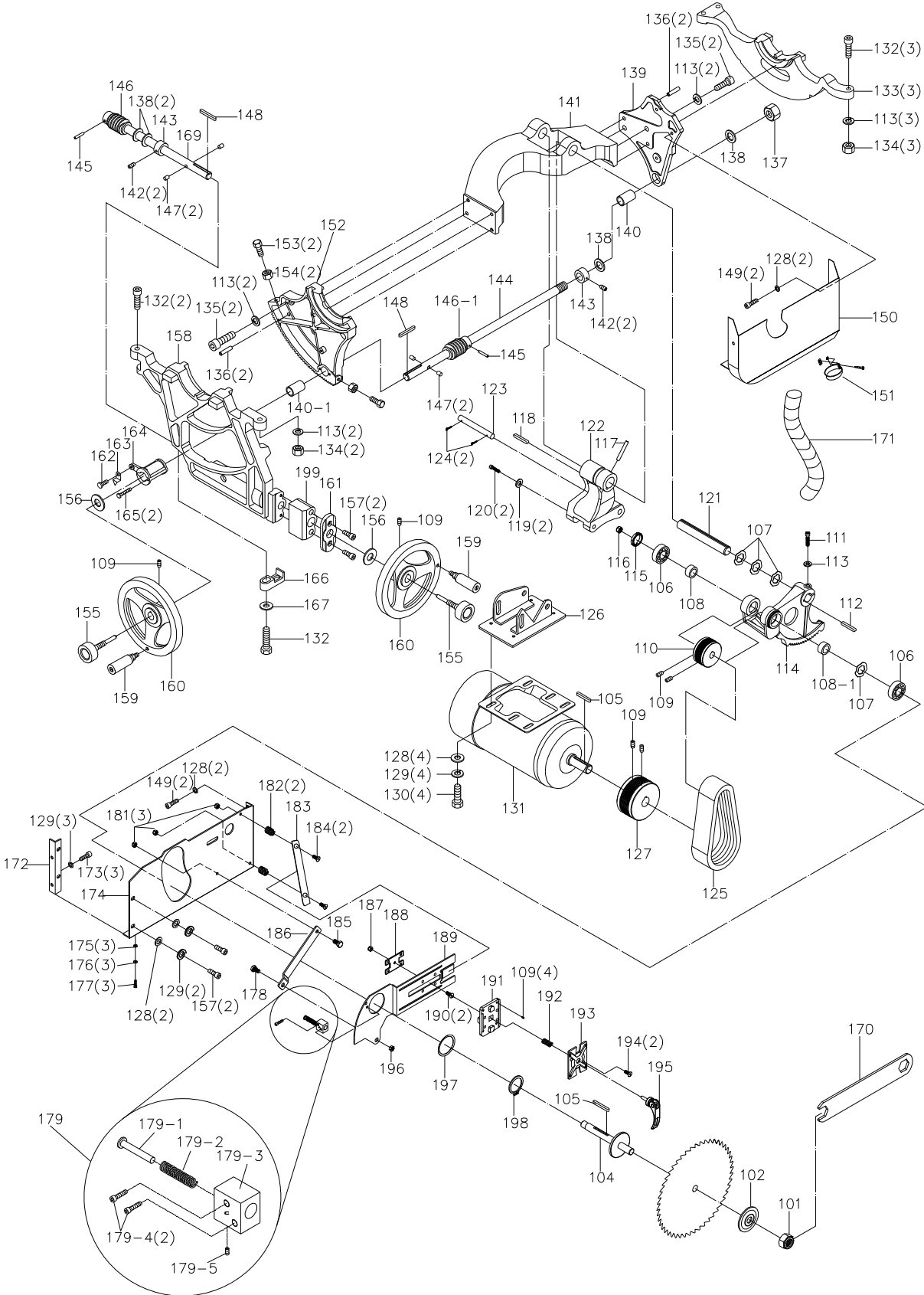


12.1.2 Table and Cabinet Assembly (JTAS-12-DX) – Parts List

| Index No | Part No | Description | Size | Qty |
|----------|--------------|-----------------------------------|-----------------|-----|
| 1 | JTAS10-1 | Lock Knob | | 1 |
| 2 | JTAS10-2 | Miter Gauge Body | | 1 |
| 3 | TS-1540031 | Hex Nut | M5 | 3 |
| 4 | JTAS10-4 | Pointer | | 1 |
| 5 | JTAS10-5 | Stop Link | | 1 |
| 6 | TS-1521011 | Socket Set Screw | M4x4 | 1 |
| 7 | JTAS10-7 | Special Pin | M3x6 | 1 |
| 8 | TS-2205201 | Hex Cap Screw | M5x20 | 3 |
| 9 | JTAS10-9 | Guide Bar | | 1 |
| 10 | JTAS10-10 | Guide Washer | | 1 |
| 11 | JTAS10-11 | Flat Head Screw | M6x8 | 1 |
| | JTAS10-MG | Miter Gauge Assembly (#1 thru 11) | | 1 |
| 12 | TS-0267041 | Socket Set Screw | 1/4"-20x3/8" | 6 |
| 13 | JTAS12DX-13 | Table Insert | | 1 |
| 13A | JTAS12DX-13A | Dado Insert | | 1 |
| 14 | JTAS12DX-14 | Table | | 1 |
| 15 | JTAS12DX-15 | Left Table Extension | 31-1/2"L x 10"W | 1 |
| 16 | JTAS12DX-16 | Inner Table Extension | 31-1/2"L x 23"W | 1 |
| 17 | JTAS12DX-17 | Outer Table Extension | 31-1/2"L x 23"W | 1 |
| 18 | TS-0061051 | Hex Cap Screw | 7/16"-14x1-1/2" | 9 |
| 19 | TS-0720101 | Lock Washer | 7/16" | 9 |
| 20 | TS-0680051 | Flat Washer | 7/16" | 13 |
| 21 | JTAS12DX-21 | Leg | | 2 |
| 22 | JTAS10-22W | Switch Plate | | 1 |
| 23 | JTAS12-23 | Magnetic Switch | 5HP, 1 Ph, 230V | 1 |
| 24 | TS-081C052 | Pan Head Screw | #10-24x3/4 | 1 |
| 25 | TS-0680031 | Flat Washer | 5/16" | 8 |
| 26 | JTAS10-26 | Strain Relief Bushing | | 2 |
| 27 | JTAS10-27 | Strain Relief Bushing | | 2 |
| 28 | JTAS10-28 | Tap Screw | M5x10 | 10 |
| 29 | JTAS10-29 | Cord Plate | | 1 |
| 30 | JTAS12DX-30 | Identification Plate | | 1 |
| 31 | JTAS12DX-31 | Power Cord (switch to motor) | 12AWG x 3C | 1 |
| 32 | JTAS12DX-32 | Power Cord | 12AWG x 3C | 1 |
| 33 | JTAS10-33 | Power Cord Sleeve | | 1 |
| 34 | JTAS10L-34 | Tilt Scale | | 1 |
| 35 | JTAS10-35 | Warning Label | | 1 |
| 36 | JET-138 | JET Logo | 138x57mm | 1 |
| 37 | TS-0720081 | Lock Washer | 5/16" | 8 |
| 38 | JTAS12DX-38 | Cabinet | | 1 |
| 39 | TS-1482101 | Hex Cap Screw | M6x50 | 1 |
| 40 | TS-0680021 | Flat Washer | 1/4" | 2 |
| 41 | JTAS10-41 | Spring | | 1 |
| 42 | JTAS10-42 | Foam Strip | | 1 |
| 43 | JTAS12DX-43 | Motor Cover | | 1 |
| 44 | TS-1541021 | Nylon Insert Lock Nut | M6 | 1 |
| 45 | JTAS10-45 | Handle | | 1 |
| 47 | TS-0210011 | Socket Head Cap Screw | 7/16"-14x3/4" | 4 |
| 48 | TS-0680011 | Flat Washer | 3/16" | 2 |
| 49 | JTAS12DX-49 | Lower Panel | | 1 |
| 50 | JTAS10L-50N | Dust Hose Adapter | | 1 |
| 51 | JTAS12DX-51 | Switch Brace Kit | | 1 |
| 52 | TS-081C062 | Screw | #10-24x1 | 1 |
| 53 | TS-0560071 | Hex Nut | #10-24 | 1 |
| 54 | TS-0733031 | Star Washer | #10 | 1 |
| 55 | JTAS10L-55 | Hook (large) | | 2 |
| 56 | TS-0680021 | Flat Washer | 1/4" | 6 |
| 57 | TS-0720071 | Lock Washer | 1/4" | 6 |
| 58 | TS-0207031 | Socket Head Cap Screw | 1/4"-20x5/8" | 6 |
| 59 | JTAS10L-59 | Hook (small) | | 1 |

| Index No. | Part No. | Description | Size | Qty |
|-----------|--------------|--------------------|-------------|--------------|
| 60 | TS-0561011 | Hex Nut | 1/4"-20" | 6 |
| 61 | JTAS10L-61 | Electrical Box | | 1 |
| 62 | TS-0081031 | Hex Cap Screw | 5/16" x3/4" | 8 |
| 63 | TS-1540071 | Hex Nut | M10 | 2 |
| 64 | JTAS12DX-64 | Leveling Foot | M10 x75 | 2 |
| | STRIPE-1-3/4 | Stripe (not shown) | 1-3/4" wide | per 9.12 ft. |

12.2.1 Trunnion and Motor Assembly (JTAS-12-DX) – Exploded View

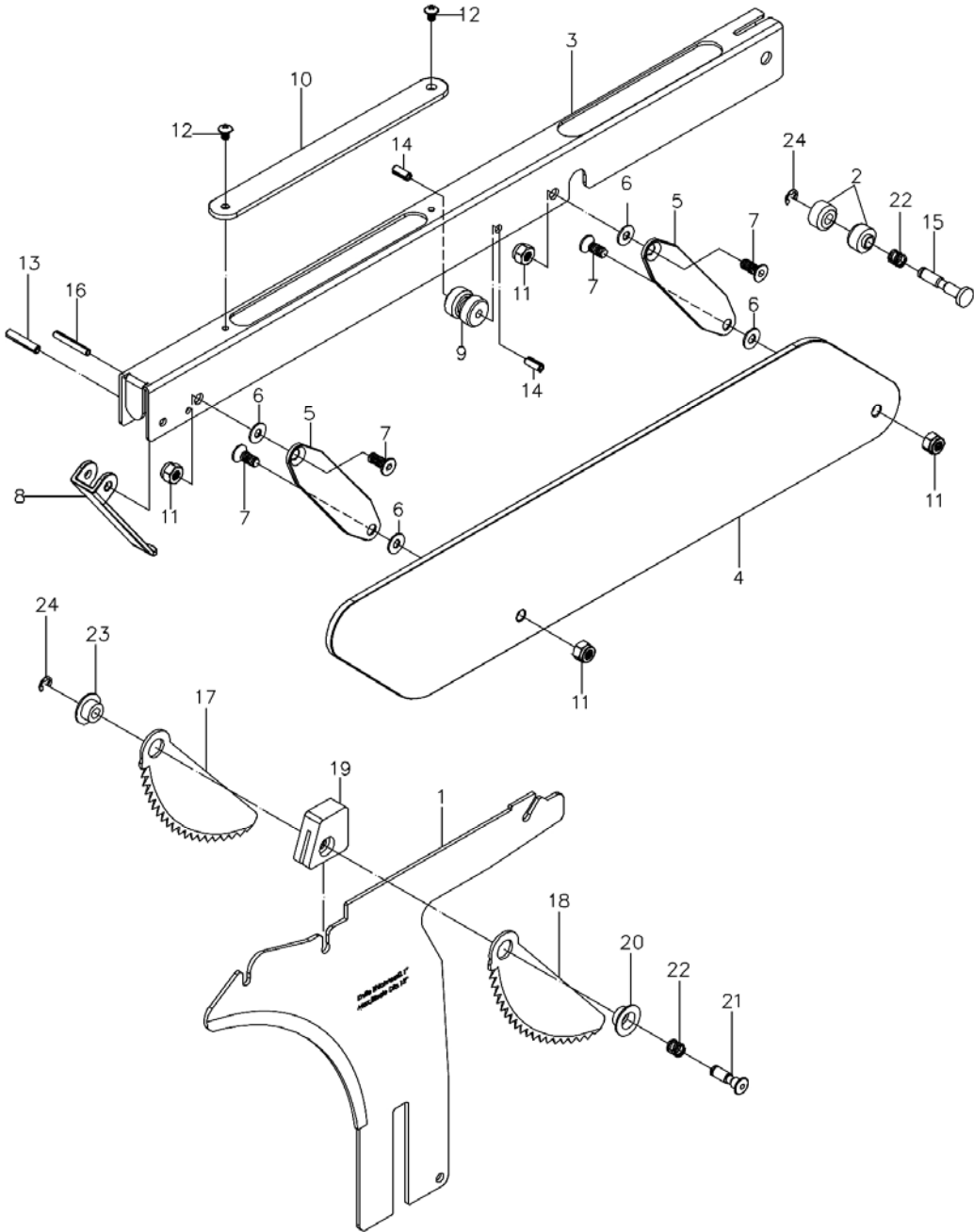


12.2.2 Trunnion and Motor Assembly (JTAS-12-DX) – Parts List

| Index No | Part No | Description | Size | Qty |
|----------|----------------|---|-------------------|-----|
| 101 | JTAS12L-101 | Arbor Nut | | 1 |
| 102 | JTAS12DX-102 | Arbor Flange | | 1 |
| 104 | JTAS12DX-104 | Arbor with Flange | | 1 |
| 105 | JTAS12DX-105 | Key | 1/4"x1/4"x1-3/4" | 2 |
| 106 | BB-6005ZZ | Ball Bearing | 6005ZZ | 2 |
| 107 | JTAS12DX-107 | Wave Washer | | 4 |
| 108 | JTAS12DX-108 | Rear Bearing Load Spacer | | 1 |
| 108-1 | JTAS12DX-108-1 | Front Bearing Load Spacer | | 1 |
| 109 | TS-0267041 | Socket Set Screw | 1/4"-20x3/8" | 10 |
| 110 | JTAS-12DX-110 | Arbor Pulley | | 1 |
| 111 | TS-0209081 | Socket Head Cap Screw | 3/8"-16x1-3/4" | 1 |
| 112 | JTAS10DX-112 | Key | 1/4" x1/4"x45mm | 1 |
| 113 | TS-0720091 | Lock Washer | 3/8" | 10 |
| 114 | JTAS12DX-114 | Arbor Bracket | | 1 |
| 115 | JTAS12-115 | Spanner Nut | | 1 |
| 116 | JTAS12-116 | Nylon Hex Nut (LH thread) | 3/4"-16 | 1 |
| 117 | JTAS10-117 | Spring Pin | M6x50 | 1 |
| 118 | JTAS10-118 | Key | 1/4"x1/4"x2-5/16" | 1 |
| 119 | TS-0680051 | Flat Washer | 7/16" | 2 |
| 120 | TS-0091031 | Hex Cap Screw | 7/16"-14x1" | 2 |
| 121 | JTAS10DX-121 | Shaft | | 1 |
| 122 | JTAS10-122 | Motor Bracket | | 1 |
| 123 | JTAS10-123 | Pin | | 1 |
| 124 | JTAS10L-124 | Spring Clip | | 2 |
| 125 | JTAS12DX-125 | Poly V-Belt | PJ250 | 1 |
| 126 | JTAS10DX-126 | Motor Mounting Bracket | | 1 |
| 127 | JTAS10-127N | Motor Pulley | | 1 |
| 128 | TS-0680031 | Flat Washer | 5/16" | 10 |
| 129 | TS-0720081 | Lock Washer | 5/16" | 9 |
| 130 | TS-0081031 | Hex Cap Screw | 5/16"-18x3/4" | 4 |
| 131 | JTAS12DX-131 | Motor | 5HP 1PH 230V only | 1 |
| | JTAS10-131-017 | Centrifugal Switch Assembly (not shown) | | 1 |
| | JTAS10-131D | Fan Cover (not shown) | | 1 |
| | JTAS10-131F | Motor Fan (not shown) | | 1 |
| | JTAS10-1315B | Start Capacitor (not shown) | 600MFD/250VAC | 1 |
| | JTAS10-1315A | Run Capacitor (not shown) | 80uF/350VAC | 1 |
| 132 | TS-0209071 | Socket Head Cap Screw | 3/8"-16x1-1/2" | 6 |
| 133 | JTAS10DX-133 | Rear Trunnion Bracket | | 1 |
| 134 | TS-0561031 | Hex Nut | 3/8"-16 | 5 |
| 135 | TS-0209051 | Socket Head Cap Screw | 3/8"-16x1" | 4 |
| 136 | JTAS10-136 | Spring Pin | M8x25 | 4 |
| 137 | TS-0561081 | Hex Nut | 3/4"-10 | 1 |
| 138 | JTAS10-138 | Fiber Washer | | 4 |
| 139 | JTAS10DX-139 | Rear Trunnion | | 1 |
| 140 | JTAS10-140 | Rear Bushing | | 2 |
| 140-1 | JTAS10DX-140 | Front Bushing | | 1 |
| 141 | JTAS12DX-141 | Yoke | | 1 |
| 142 | TS-0270011 | Socket Set Screw | 5/16"-18x1/4" | 4 |
| 143 | JTAS10-143 | Collar | | 2 |
| 144 | JTAS12DX-144 | Shaft | | 1 |
| 145 | JTAS10-145 | Spring Pin | M5x30 | 2 |
| 146 | JTAS10-146 | Worm (Left thread) | | 1 |
| 146-1 | JTAS10DX-146 | Worm (Right thread) | | 1 |
| 147 | JTAS10-147 | Lock Pin | | 4 |
| 148 | JTAS10-148 | Key | M5x35 | 2 |
| 149 | TS-0208021 | Socket Head Cap Screw | 5/16"-18x1/2" | 4 |
| 150 | JTAS12DX-150 | Dust Deflector | | 1 |
| 151 | JTAS10L-151N | Hose Clamp | | 2 |
| 152 | JTAS10DX-152 | Front Trunnion | | 1 |
| | JTAS12DX-TA | Trunnion Assembly (#113, 135, 136, 139 thru 141, 152) | | 1 |

| Index No. | Part No. | Description | Size | Qty |
|-----------|---------------|--|---------------|-----|
| 153 | TS-0051021 | Hex Cap Screw | 5/16"-18x5/8" | 2 |
| 154 | TS-0561021 | Hex Nut | 5/16"-18 | 2 |
| 155 | JTAS10-155A | Lock Knob | | 2 |
| 156 | JTAS10-156 | Fiber Washer | | 2 |
| 157 | TS-0208061 | Socket Head Cap Screw | 5/16"-18x1" | 2 |
| 158 | JTAS10DX-158 | Front Trunnion Bracket | | 1 |
| 159 | JTAS10-159 | Handwheel Handle | | 2 |
| 160 | JTAS10-160 | Handwheel | | 2 |
| 161 | JTAS10-161 | Shield Plate | | 1 |
| 162 | TS-0813022 | Round Head Screw | 1/4"-20x3/8" | 1 |
| 163 | JTAS10-163 | Pointer | | 1 |
| 164 | JTAS10-164 | Pointer Bracket | | 1 |
| 165 | TS-081C102 | Pan Head Screw | #10-24x2" | 2 |
| 166 | JTAS10DX-166 | Guide Block | | 1 |
| 167 | TS-0680041 | Flat Washer | 3/8" | 1 |
| 169 | JTAS12DX-169 | Tilt Shaft | | 1 |
| 170 | JTAS12-170 | Wrench | | 1 |
| 171 | JTAS10L-171 | Hose | 700mm | 1 |
| 172 | JTAS10L-172 | Plate | | 1 |
| 173 | TS-0208041 | Socket Head Cap Screw | 5/16"-18x3/4" | 3 |
| 174 | JTAS12DX-174 | Chip Plate | | 1 |
| 175 | TS-0680011 | Flat Washer | 3/16 | 3 |
| 176 | TS-0720051 | Lock Washer | #10 | 3 |
| 177 | JTAS10L-177 | Hex Cap Bolt | #10-24x3/8 | 3 |
| 178 | JTAS10L-178 | Special Screw | | 1 |
| 179 | JTAS10L-179A | Arbor Lock Insert Assembly (#179-1 thru 179-5) | | 1 |
| 179-1 | JTAS10L-179-1 | Arbor Lock Insert | Ø8 | 1 |
| 179-2 | JTAS10L-179-2 | Spring | | 1 |
| 179-3 | JTAS10L-179-3 | Insert Block | | 1 |
| 179-4 | TS-1502051 | Socket Head Cap Screw | M5 x 20 | 2 |
| 179-5 | TS-1521041 | Socket Set Screw | M4 x 10 | 1 |
| 181 | TS-0640071 | Nylon Insert Lock Nut | 1/4-20 | 3 |
| 182 | JTAS10L-182N | Spacer | | 2 |
| 183 | JTAS12DX-183 | Guide Plate | | 1 |
| 184 | TS-0245051 | Flat Head Socket Screw | 1/4-20x1 | 2 |
| 185 | JTAS10L-185 | Special Screw | | 1 |
| 186 | JTAS12DX-186 | Extension Support Plate | | 1 |
| 187 | TS-1541021 | Nylon Insert Lock Nut | M6 | 1 |
| 188 | JTAS10L-188 | Plate | | 1 |
| 189 | JTAS12DX-189 | Riving Knife Extension Plate | | 1 |
| 190 | TS-1513021 | Flat Head Socket Screw | M5x12 | 2 |
| 191 | JTAS10L-191 | Clamping Block | | 1 |
| 192 | JTAS10L-192 | Spring | | 1 |
| 193 | JTAS10L-193 | Clamping Block | | 1 |
| 194 | TS-1514031 | Flat Head Socket Screw | M6X20 | 2 |
| 195 | JTAS10L-195 | Locking Handle | | 1 |
| 196 | TS-1541031 | Nylon Insert Lock Nut | M8 | 1 |
| 197 | JTAS12DX-197 | Spring Shim Ring | | 1 |
| 198 | JTAS12DX-198 | C-Ring | S58 | 1 |
| 199 | JTAS12DX-199 | Guide Block | | 1 |

12.3.1 Blade Guard Assembly (JTAS-12-DX) – Exploded View

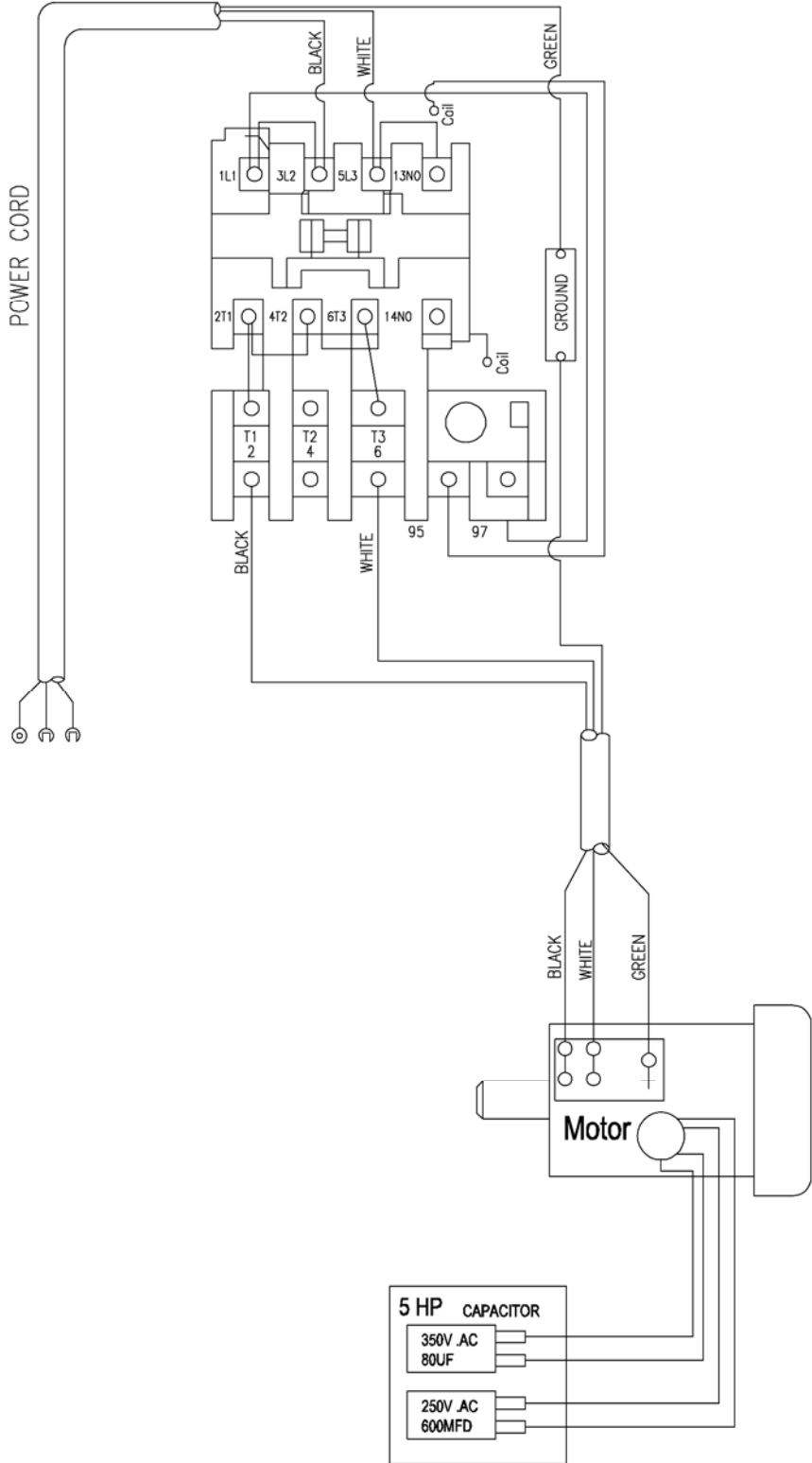


12.3.2 Blade Guard Assembly (JTAS-12-DX) – Parts List

| Index No | Part No | Description | Size | Qty |
|----------|---------------|---|-----------|-----|
| 1 | JTAS12DX-301 | Riving Knife | | 1 |
| | JTAS12DX-BGA | Blade Guard Assembly (#2 thru 16, 22, 24) | | 1 |
| 2 | JTAS12DX-302 | Bushing | | 2 |
| 3 | JTAS12DX-303 | Blade Guard Body | | 1 |
| 4 | JTAS12DX-304 | Blade Guard Side Shield | | 2 |
| 5 | JTAS12DX-305 | Linking Plate | | 4 |
| 6 | TS-1550041 | Flat Washer | M6 | 8 |
| 7 | TS-1514021 | Flat Head Socket Screw | M6x16 | 8 |
| 8 | JTAS12DX-308 | Front Shield | | 1 |
| 9 | PM2000-309 | Bushing | | 1 |
| 10 | PM2000-310 | Top Sight Shield | | 1 |
| 11 | TS-1541021 | Nylon Insert Lock Nut | M6 | 8 |
| 12 | TS-081B012 | Pan Head Screw | #8-32x1/4 | 2 |
| 13 | PM2000-313 | Roll Pin | 5x25 | 1 |
| 14 | PM2000-314 | Roll Pin | 5x12 | 2 |
| 15 | PM2000-315 | Lock Pin | | 1 |
| 16 | PM2000-316 | Roll Pin | 4x28 | 1 |
| | JTAS12DX-AKPA | Anti-Kickback Pawl Assembly (#17 thru 24) | | 1 |
| 17 | JTAS12DX-317 | Left Anti-Kickback Pawl | | 1 |
| 18 | JTAS12DX-318 | Right Anti-Kickback Pawl | | 1 |
| 19 | PM2000-318 | Pawl Base | | 1 |
| 20 | JTAS12DX-320 | Flange | | 1 |
| 21 | PM2000-320 | Lock Pin | | 1 |
| 22 | PM2000-321 | Spring | | 2 |
| 23 | JTAS12DX-323 | Flange | | 1 |
| 24 | PM2000-322 | E-Clip | E5 | 2 |

13.0 Electrical Connections

Electrical Schematic - Single Phase - 230V





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