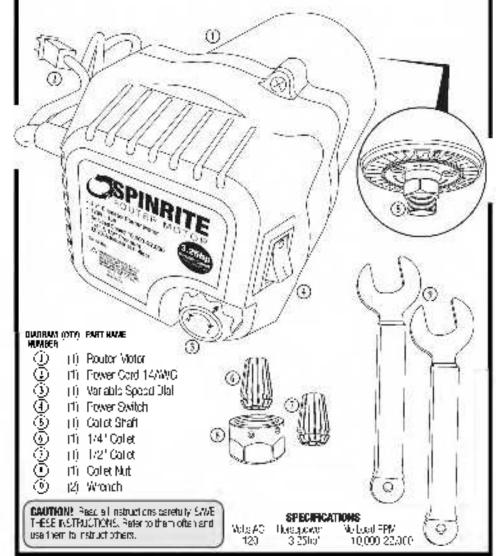


ROUTER MOTOR 3.25hp VARIABLE SPEED



lf you think you're missing anything, call us at 800-752-0725 from 9:00 a.m. to 4:00 p.m. EST Monday - Friday.

GENERAL SAFETY RULES

WARNING! READ AND UNDERSTAND ALL INSTRUCTIONS. halfure to to low all instructions, isstee helow, may result in e ednicid edk, file and ar sericus personal injury.

CAUTION I Feat a linear of one cardoly SAVE THESE INSTRUCTIONS, Felor to them often and use their to instruct allicis.

· WORK AREA -

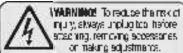
- Keep work area clean and well **III**. On the entitorix work careas invite achidents.
- Arroid dangerous environments. Do not use your power too, in rain, damp or wall boatons or in the presence of explosive atmospheres (gazerus himes, cust in trammable moredals). Remove male, a sico celo sithat may be ignifed by spaiks
- Keep children and bystantiers away. Chitren and bystantiers should be kept at a safe distance from the work area to ayord distracting the operator and contacting the tool or extansion cond-
- **Protect others in the work area hom debis auch as chies and sperks. Provide terricas or sholds as needed,**
- Make workshop child proof with pediods, mester swrones, only, amount startenises.

BLECTRICAL SAFETY

Double insulated tools are equipped with a polarized plug (one blace is wider than the other). This blug will fit in a polar zert cut et arry and way. If the plug coes not 11 huly in the cut et, reverse,

lbe don II justil decand fil cartacta quelli ad electrolar la justal a l polarized outlet. Do not sharibe the plub in any way, Libratio insulation. eliminates the resultor the three-wire grounded power contland grounded. power supply system.

Grounded tools must be plugged into an outlet properly. installed and grounded in accordance with all codes and ordinances. Never remove the grounding prancial modify the plub in any way. Up not use any adapter pillos. Check with a graf lied electric and volusie in doubt. as to whether the curiet is properly grounded. If the tool should electrically mathinition of break down, grounding provides allow resistance path to cens dischicity away harm the user.



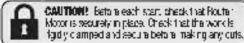
Use only apecifically recommended accessories. Others may be hezardous. Never disassemble: the tool ontry to do any rewiring on the tools. electrical system.

- Guard against electric shock. Theyant body contact with grounded surfaces such as pipes, radiators, ranges and relitierators. When maid or hilliot or pulogs cuto lalways cherit the work area to midden wires on pipes. Hold your foot by insulated nonmetal crissping surfaces. Use a Ground Fault Circuit internuctor (GFC) to reduce shock hazards.
- Do not expose to rain or use in damp locations. G
- Do not abuse the card. Never use the conditionary the tools or pull the plue from a notice! Keep and away from beat. all shaip edges or moving parts. Heptade damaged cores limited afety Damaged cores increase the risk of electric shock.

PERSONAL SAFETY -

- Know your power tool. Read this manual carefully to learn your power tooks applications and Imitations as well as prient a hazards areceived with this bate of boil.
- Stay alert, watch what you are doing, and use common sanse when operating a power too. Do not use tool while tred. a runder the limbertse of drugs, alcohol, annied cabon. A moment of institation, while operating power took may result in senaus. pasa aliriory.
- Breas property. Licinot wear loose dictining or jewelry. Wash's protective train bove moits contain longing to these may be. caught in mòráin gráda When working cuthhosaí weár ruthasc oloreá and nautaleit no r-skirt teorreac beán hanns and glórea. shad from moving parts
- 14. Reduce the risk of unintentional starting. Pelaine your tool is furner off before plunging it in. Do not use a tool if the power switch caes not contine acoloniand all, Coinal carry a plaeged in lock with your linger on the switch i
- 15. Remove all adjusting keys and wrenches. Make a hand of checking that adjusting keys, wrenches letc. are removed. loom the loot believe huming it coul
- Do not overneach. Maintain control. Keep proper forcing and belence at all omes.
- Lise safety equipment. Decryme in the work area should wear sarely gagget on obsess withis delshifts complying within. current safety standards. Everyday evedlassas only have impact resignant langes. They are not safety classes. Wear hearing profestion on ting inseland a crist mask. Hard hats, face shields, safety shoes, etc. should be insed when specified or necessary. Roce a file extinuitine ricurby
- Keep guards in place and in working order.
- 19 Never stand on tool. Serious injury could not until the tool is 1 post on it the cutting tool is 1 post on it the cutting tool is. ummentionally contacted.
- Keep hands away from all cutting edges. and moving parts.





* TOTAL USE & CARE

- 21. Secure work, use clamps or a vise to hold work when practical. It is safer then using your hand and it frees both hands to operate the tool.
- 22. Do not force foot, Your tool will perform test at the rate for which it was designed. Excessive force only causes operator taking a increased wear and renticed or mail.
- 23. Use the right fool. Concluse a tool or attachment to doe job for which it is not recommonded.
- Unplug tool when his notin use before changing accessories or performing recommended maintenance.
- 25. Store attle tools. When not in use istore your tool in a dry secured place. Keep out of reach of children.
- Hever leave the tool quanting unaffended. Turn power of: Do not leave the look with it proper to a commete stro.
- 27. Check **for damaged parts**, kiquest juichts and other parts before use. Check for in safgring in thisting of moving parts, improper mounting, broken parts and any other conditions that may effect operation. If abnormal noise or yibration occurs, turning tool off immediately and have the problem corrected before further use. Do not use a carriaged tool.
- 28. Use proper accessomes. Consult this manual for recommended accessores, using improper accessores may be instantious. Persone accessories are properly installed and malinained. Do not discore a quant or other sately device when installing or accessory or all admired.
- Maintain tools carefully. Keep cutting edges sharp and clean. Follow instructions for utindesing and changing accessores.
 Per calculy inspect tool cords and extension porcs for camage. Have demanded parts repeired or replaced by the manufacturer.
- 30. Maintain labels & nameplates. These carry mgo fant information.

* SERVICE

31. Service performed by uniqual@ed iterscome! man result in a risk of injury and may void warranty.

- ADDITIONAL WARNINGS -

32. **WARRINGS** Some dust created by hower sanding isswing, gimbing, drilling and other construction activities nortains charmask known by the State of California to cause cancer, by the defects of other remodulative name.

Some examples in these dismicals are lead from lead-based point, organished that from bricks and centern and other manability broaded to make a senior and other manability breaded tumber.

You nek ham these expectives writes depending an low offer you do this type of work. To reduce your expecting to hese character work in a well-venticated eath work with approval safety coupring ty such as these dual masks that are specifiedly designed to filler out measured particles.

Read, understand, and follow the instructions packaged with the router table and router lift.

34. Always weer entity goggles and dust mask. Los only in a vell-verifiated also. Using personal rately devices in a calle environment can return the risk for it iuw.



WARNING! To reduce the risk of injury, wear safety goggles or glasses with a de shields, ear protection 8, a dust mask.

35. Some woods contain preservatives that can

be loade, lake extraicare to prevent inhelescen and sign contact when wording with these materies. Hequest, and rollow any safety importance as attack from your material supplier.

- 13. Always make sure the workplene is free from neits, strews, and other foreign objects, keep the working etge away from the comping surface. Cuttine flees objects can exceed as a four fraing free workplene and cannot be found.
- Never place hands near cutting surface.
- 38. Never use duli or damaged bits. Sharp hits must be hard adwith care. Damaged bits can break duing use. Duli lints becure more time which are lift cause the off to over a Damaged bits can those conditie precessor burn the work biese.
- 39. **WARRINGS To reduce the risk of injury** always outplug look before attaching, removing accessories or making axips ments. Use only specifically examinionated excessories of loos may be hazardess.
- After changing the bit or making any adjustments, make sure the collect nut and any other adjustment devices are securely tightened.
- 41. Loose adjustment devices can unexpectedly shift, causing loss of cantrol. Forest otality comparents of the vice my proxity is all after.
- Always keep the power supply cord away from moving parts on the tool.
- 43. Never start the **Not when the bit is in contact with the** material. The oil culting edge may good the material causing lost of control of the workprop
- $44.\,$ Never bouch the bit during or immediately after use. After use the bit may be hot shough to burn bere skin
- 45. To reduce the risk of injury, award "climb cutting." Climb enting can cause the well-piece to be thrown vicently out of your carged Even small router basic anneaut in climb outting. A ways read the workpiece accordance interrelation.



YMARNIMOS To rectude the risk of Injury, atways use feathernosins, push shoks or bush blocks with proteinguarding. Keep hends.

Table menual for proper table assup and use.

EXTENSION CORDS

Grounded tools require althree-wire extension cord. Double insulated tools can use either a two or three wire extension cord. As the distance from the supply outlet increases, you must use a heavier gauge extension outlet thing to less of outlet from the withing to less of power and cossible tool damage. Refer to the table shown to beter nine the required in nimum wire size.

The smaller the gauge munitier of the wire, the greater the capacity of the conf. For example, a 14-gauge cord can carry a higher current than a 16-gauge cord, if you are using one extension cord for more than one took add the nameplate amperes and use the sum to determine the required minimum wire size.

Guidelines for Using Extension Cords —

- 1 type are using an extension outdout/kprs, he sure it is marked with the suffic "W-A" ("W" in Canada) to indicate that it is acceptable for outdoor use.
- 2. But one your extension could is properly whethand in good electrical minorition. Always replace a thin age to extension cord on have it regained by a qualified person before using it.
- Protect your extension conds from sharp of rects, excessive heat and damp or well areas.

Recommended Minimum Wire Gauge for Extension Cords*-

	Extension Cord Length in Feet						
AMPS	25'-5 0'	50'- 100'	100'-200'	150' -300'	200'-400'	250'-500'	300'-600'
15	16ņa	12џа	10ga	8,13	бра	бра	4ះូង

^{*} Based on withing the line voltage grounds to the volts at 150% of the rate amperes.

I. ASSEMBLY -

A. Selecting the Bit

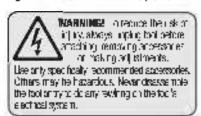
The Bouter Motor can accommodate router bits with 1/4 or "1/2" diameter shanks, **CAUTIONI** Do not use router bits with a diameter in excess of 3, 1/2".

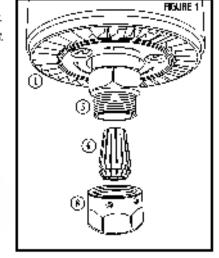
B. Changing Collets

A Bollation ist be attached to the Ordet Not before it is gut into the Bollat Shatt. Be sure that the size of the Collet matches the size of the bit shank being used if the wrong size bit shank is used if the Collet may break.

For all Acting contells thing the Collet Not to the Collet, follow these instructions. AAAAS r.

- Aways disprimed the Bridge Malor (1) here the primer supply.
- 2. Loosen the Collet Not (3) from the Collet Shaft (3) completely.
- Snap the Cutet (6) or (5) out of the Cutet Not.
- Replace the Collet by snapping it back into the Collet.
 Turtlen the Collet Not a searchy onto the Collet Shall.







C. Installing the Bit -

Do not use this Bruter Wallor ordess it is securely installed into a recommenced router lift and table.

To install the Router Motor into a router lift, read understand, and follow the instructions packaged with the router lift.

It is not necessary to remove the Router Viotor from the lift to notall a Collet assembly or a bit. (If removal of the Houte) Mater is desired, see the instructions packaged with the router lift.)

- Unplugithe Hauter Mater from the power source.
- 2 Raise the Pouter Motor as high as possible. Always wipe wood onlips, cust, or other foreign mater ais from the Collet Shaft and Collet assembly before assembling.
- Assemble the Collet assembly onto the Collet Shaft.
- med the hit shank into the Cohelles far as it will gu.
- 5. Back the bit shark out slightly to evolo tottoming out. This equates to approximately 1/8" (3.2 mm). Be small bere is a non-monoid 1/16" between the logod the Codel as sambly and the radius to the colling portion of the bit.
- 6 Be sine that the Ordet is not clamped to a media-adim on the pit shank. The Ordet should be deimped to a solid cent on the bit shank.
- Plana che Wiendr (3) mit als proffle Cidel Shaft.
- Place the other Wranch on the Colletiand tighter diodivise. Tighter securally. Annuals 2.

NOTE: Never tighten a Collet assembly without inserting a bit shank of the proper size. This may damage the Collet.

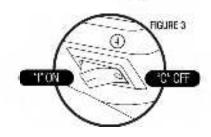
D. Removing the Bit ———

A ways wall for the bit to stop completely and unplug the Router Moter from the power supply before changing accessories or making adjustments. Never make adjustments while the Bouter Motor is running. Do not modify or remove the guards.

To remove the bit, reverse the above procedure. After the Collet Not initially breaks then it will meet resistance again. Use the Wrenches and the Collet will ralease

F. Connection to the Power Source ——

- Behme contacting the Bruder Wildor to the power source make sine the Fower Gwildor (4) is in the 101 off position, wiking 3
- Check that your power direuit has the same specifications as the Pouter Woter.
- Make sure the pronts on the Power Cordiare straight and make good contact with the cutlet.



WARRENGE To reduce the risk of

njury a ways unplug tool before attaching, removing accessories or making anjustments.

Use any specifically recommended accessories.

Others may be hazardous. Nover disasse hide-

he top or by to chany rewiring or the tool's.

decir co eyde ni

II. FEATURES OF THE ROUTER MOTOR

A. Starting / Stopping the Houter Motor —

- Before starting the Hauter Motor always wipe wood chips, dust, or other fereign materials from the Collet.
 Shaft and Collet and bit assembly.
- The Pouter Moter has a Soft Start feature. The Soft Start feature reduces the amount of terque reaction of the tool. This feature gradually increases the motor speed up from zero to the speed set by the Variable Speed Dia.
- Always allow the Router Motor to come to a complete step before making bit changes or adjustments.

B. Electronic Overload Protection ——

Before the Router Motor is over caced, the electronic overload protection direct will turn off the Router Motor If the Pouter Motor stops during use:

- Turn the Power Switch to the 'O' Off position.
- Determine the cause of the overload (for example, but bit low voltage, excessive feed rate lete.) and correct before continuing.
- Restart the Router Motor following Step II A Starting / Stepang the Router Motor instructions.

C. Speed Control -

• The Variable Speed Dial ③ on the face of the Router Motor allows you to adjust the rotating speed (FEM) of the Bruter Wolor transmitting the PL Low House 4.

- Use the chart to before no the best speed for the bill diameter. AGMS is.
- It is recommended that the speed be set prior to engaging the
 router bit into work. Should it be necessary to change the
 speed lafter work has begun stop the Router Motor;
 remove the work piece from contact with the bit, acquait
 the speed then resume the work.

D. Feedback Control ----

The Flechmini: Speed Cordon system allows the Border Motor to maintain constant speed between no-load and load conditions.



FIGURE 4

Variable Speed Setting	RPM	Maximum Bil. Diameter		
Hires	0.000	< m3.12		
Silow	12,000	3*10/3-1/2		
Witten	14 0.00	2,174, 02,1751		
Wotern	800	7.14 m2.15*		
Weblum	15,000	1-17/10/2		
Fiel	20000	1,		
Hed	27000	I*		

4

WARRING To reduce the risk of mony, always undug too before attaching, removing accessories on maying adjustments.

, se only sacdikally rote innonited accessores Of oreiney be retained as Never disass an be the pate hy lado any rowning on the patis obstical system



WARNING I to reduce the risided injury, always use leather brands past stocks with proper granding, keep hands.

away from moving hit. Patento your Router. Jable manual for proper table safup and use

IV. USING THE ROUTER MOTOR



CAUTIONS Herore each start, obenk that follow Motor is returnely in plane. Check that the work is rigidly changed and secure herore making any bits.



WARPHINE! To reduce the risk of injury, wear salety grog es or classes, with side shidles reproduction & a dust mask.

A. Cutting .

- Belone using your couler, consider the kind and lots amount of material in the removed. If may be necessary, depending on the material, to make more than one cut to avoid overloading the Router Motor. Keep the cutting pressure constant and do not crowd the reuter so the Router Motor speed slows excess vely.
- Before beginning the cut on the actual workpiece, it is advisable to take a sample out on a scrap piece of lumber. This will show you exactly how the cut will look as well as enable you to eneck dimensions.
- The speed and depth of cut will bepend largely on the type of material being used. Keep the cutting pressure
 constant but do not use excessive force so the Router Motor speed slows excessive yith may be necessary on
 exceptionally hard words or problem materials to make more than one pass to get the desired depth of cut.
- When making cuts on all 4 edges of the workpiece, it is advisable to have the first cut on the end of the workpiece across the grain of the wood. If dropping of the wood or out safithe end of a cut, it will be removed when making the next out that is parallel with the grain.
- Past on the force so that the workplece foods against the cutter rotation. Feeding the workplece with
 the cutter rotation is called climb cutting, which is VERY DANGEROUS. Climb cutting can result in the
 workplece being thrown violently out of your control at great speed.

WARNING: To reduce the risk of injury, svoic "dimo cutting." Gimb outing can cause the workpiece to be thrown violently out of your control. Even small router bits can cause damage or injury it climb outline.

V. MAINTENANCE

A. Tool Maintenance

Keep your tool in functioning properly by adopting a regular maintenance program. Before use, examine the general condition of your tool, hispect guards, switches, power cores and extension condition for damage. Chack for cose serews, misalignment, binding of moving parts. Improper mounting broken parts and any other condition that may affect its safe operation. It shows the major recurs, form the tool of immediately and have the problem corrected before further use. Do not use a damaged tool.

WARNING! To recove the risk of injury, efective shock and demagning the look never immerse your tool in flouid or allow a liquid to flow inside the too

B. Cleaning Your Tool ———

Clean cust and debris from vents. Use only soft dampic off to clean your too. Never use cleaning agents and solvents such assignabilities furperfilled, lecturer thinner, paint thinner, of minuted cleaning solvents, around tools. These are harmful to your tool, plastics and insulated parts.



www.nine! To recuse their sklof righty, a ways unplug tool before attaching removing accessores or making adjustments.

Use only specifically recommended accessiones. Others may be inazardous. Mayer disassemble the loci or by to do any rewining on the loci sile either bywann.



ONE YEAR LIMITED WARRANTY

Warrantor warrants to the original punchaser that SpinBitle Bruter. Which will be tree from the cate that spinBitle Bruter workmanship under normal use and service for a period of one (1) year from the cate of ordered curchase.

The obligation of this Warranty is limited to repair or replacement, at our option, of components, which prove addictive under normal use.

Any product or component claimed to be defective should be sent during warranty period postage prepaid to SpinRite Warranty Department together with a copy of your original dated sales receipt. Please call for author valido comber before sanctice.

This warranty is in fiel of all other express warrantles obligations or flabilities. ANY TYPLIED WARRANTIES (RELIGATIONS OR HABILITIES, SHALL BE LIMITED IN CLIRATION TO THE ONE YEAR PERIOD OF THIS LIMITED WARRANTY NO ACENT REPRESENTATIVE DEVLER OR EMPLOYEE OF THE COMPANY HAS THE AUTHORITY TO INCREASE OR ALTER THE OBLIGATIONS OF THIS WARRANTY

This Warranty shall not apply to any product or component which in the opinion of the Warrantor has been need the for allered in any way, damaged as a result of an accident, mixes or allered, or oss of parts, in no case shall the Warrantor be liable for any special or consequential damages, or any other costs or warranty, expressed or implied, whatsoever This Warranty gives you specific egal rights, and you may also have other rights which vary from state to state.

If you think you're missing anything, call us at 800-752-0725 from 9:00 a.m. to 4 00 p m. EST Manday - Friday





