

INSTRUCTION MANUAL

Pneumatic 18 Gauge Brad Nailer

Model # PS6130





Have product questions or need technical support? Please feel free to contact us!

Website: www.Amerisuninc.com

Toll free: 1-800-791-9458 M-F 9-5 EST

Email: support@amerisuninc.com

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TECHNICAL DATA

Pneumatic 18 Gauge Brad Nailer	Model # PS6130
Fastener gauge:	18
Fastener length:	5/8" – 2"
Magazine capacity:	100
Air inlet (NPT):	1/4"
Operating pressure:	70-110 PSI
Package dimensions (L x W x H):	13 x 11.4 x 3.1 inches
Weight:	3.3 lb.

Thank you for purchasing PowerSmart products. Please register online at **www. Amerisuninc.com.**

The information will allow us to track your warranty and update on your unit.

Important: Our company does not provide email or personal information to any third party for any reason. For any questions check our website or call customer service at (800)791 9458.

Warning! We strongly recommend that this item not be modified and/or used for any application other than that for which it was designed. If you have any questions relative to its application, do not use the equipment until you have consulted us and we have advised you. **Contact PowerSmart at (800)791-9458 M-F 9am-5pm EST**

GENERAL SAFETY RULES

Safety is a combination of common sense, staying alert, and knowing how your brad nailer works. **SAVE THESE SAFETY INSTRUCTIONS**.



WARNING: Do not operate this unit until you read this instruction manual for safety, operation and maintenance instructions.



WARNING: This product contains chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm. **Wash hands after handling.**

WARNING: Some dust contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm such as asbestos and lead in lead based paint.

Actuating tool may result in flying debris, collation material, or dust which could harm operator's eyes.

The operator and all those persons in the general area should wear safety glasses with permanently attached side shields. Approved safety glasses are imprinted with the characters "Z87.1". It is the employer's responsibility to enforce the use of eye protection equipment by the tool operator and other people in the work area.

Always wear appropriate personal hearing and other protection during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

Use only clean, dry, regulated air. Condensation from an air compressor can rust and damage the internal workings of the tool.

Regulate air pressure. Use air pressure compatible with ratings on the nameplate of the tool. (Not to exceed 110 psi) Do not connect the tool to a compressor rated at over 200 psi. The tool operating pressure must never exceed 200 psi even in the event of regulator failure.

Only use air hose that is rated for a maximum working pressure of at least 150 PSI or 150% of the maximum system pressure, which ever is greater.

Do not use bottled gases to power this tool. Bottled compressed gases such as oxygen, carbon dioxide, nitrogen, hydrogen, propane, acetylene or air are not for use with pneumatic tools. Never use combustible gases or any other reactive gas as a power source for this tool. Danger of explosion and/or serious personal injury may result.

Use couplings that relieve all pressure from the tool when it is disconnected from the power supply. Use hose connectors that shut off air supply from compressor when the tool is disconnected.

Disconnect tool from air supply when not in use. Always disconnect tool from air supply and remove fasteners from magazine before leaving the area or passing the tool to another operator. Do not carry tool to another work area in which changing location involves the use of scaffoldings, stairs, ladders, and the like, with air supply connected. Do not make adjustments, remove magazine, perform maintenance or clear jammed fasteners while connected to the air supply. If the

contact trip is adjusted when the tool is connected to the air supply and nails are loaded, accidental discharge may occur.

Connect tool to air supply before loading fasteners, to prevent a fastener from being fired during connection. The tool driving mechanism may cycle when tool is connected to the air supply. Do not load fasteners with trigger or contact trip depressed, to prevent unintentional firing of a fastener.

Do not remove, tamper with, or otherwise cause the tool, trigger, or contact trip to become inoperable. Do not tape or tie trigger or contact trip in the ON position. Do not remove spring from contact trip. Make daily inspections for free movement of trigger and contact trip. Uncontrolled discharge could result.

Inspect tool before use. Do not operate a tool if any portion of the tool, trigger, or contact trip is inoperable, disconnected, altered, or not working properly. A tool that is not in proper working order must not be used. Tags and physical segregation shall be used for control. Leaking air, damaged parts or missing parts should be repaired or replaced before use.

Do not alter or modify the tool in any way.

Always assume that the tool contains fasteners.

Do not point the tool at co-workers or yourself at any time. No horseplay! Work safe! Respect the tool as a working implement.

Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control. When tool is not in use, it should be locked in a safe place, out of the reach of children.

Remove finger from trigger when not driving fasteners. Never carry tool with finger on trigger. Accidental discharge could result.

Do not lift, pull or lower tool by the hose.

Do not overreach. Maintain proper footing and balance at all times. Loss of balance may cause personal injury.

Make sure hose is free of obstructions or snags. Entangled or snarled hoses can cause loss of balance or footing.

Use the tool only for its intended use. Do not discharge fasteners into open air, concrete, stone, extremely hard woods, knots or any material too hard for the fastener to penetrate. Do not use the body of the tool or top cap as a hammer. Discharged fasteners may follow unexpected path and cause injury.

Always keep fingers clear of contact trip to prevent injury from inadvertent release of nails.

Refer to the Maintenance and Repairs sections for detailed information on the proper maintenance of the tool.

Always operate the tool in a clean, lighted area. Be sure the work surface is clear of any debris and be careful not to lose footing when working in elevated environments such as rooftops.

Do not drive fasteners near edge of material. The workpiece may split causing the fastener to ricochet, injuring you or a co-worker. Be aware that the nail may follow the grain of the wood (shiner), causing it to protrude unexpectedly from the side of the work material. Drive the nail perpendicular to the grain to reduce risk of injury.

Do not drive nails onto the heads of other fasteners or with the tool at too steep an angle. Personal injury from strong recoil, jammed fasteners, or ricocheted nails may result.

Be aware of material thickness when using the nailer. A protruding nail may cause injury.

Be aware that when the tool is being utilized at pressures on the high end of its operating range, nails can be driven completely through thin or very soft work material. Make sure the pressure in the compressor is set so that nails are set into the material and not pushed completely through.

Keep hands and body parts clear of immediate work area. Hold workpiece with clamps when necessary to keep hands and body out of potential harm. Be sure the workpiece is properly secured before pressing the nailer against the material. The contact trip may cause the work material to shift unexpectedly.

Do not use tool in the presence of flammable dust, gases or fumes. The tool may produce a spark that could ignite gases causing a fire. Driving a nail into another nail may also cause a spark.

Keep face and body parts away from back of the tool cap when working in restricted areas. Sudden recoil can result in impact to the body, especially when nailing into hard or dense material.

Grip tool firmly to maintain control while allowing tool to recoil away from work surface as fastener is driven. With the contact trip (black) trigger assembled, if contact trip is allowed to recontact work surface before trigger is released an unwanted fastener will be driven.

Choice of triggering is important. Check the manual for triggering options. Refer to Trigger Operation under the Operation section.

DEPTH ADJUSTMENT: To reduce risk of serious injury from accidental actuation when attempting to adjust depth, ALWAYS:

- Disconnect air supply.
- Avoid contact with trigger during adjustments.



WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

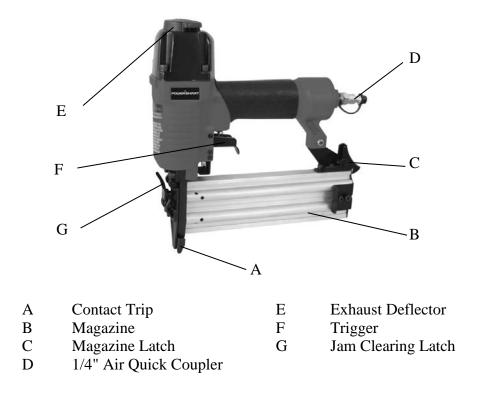
Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.



WARNING: ALWAYS USE SAFETY GLASSES. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if operation is dusty. ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:

- ANSI Z87.1 eye protection (CAN/CSA/Z94.3),
- ANSI S12.6 (S3.19) hearing protection,
- NIOSH/OSHA/MSHA respiratory protection.

KNOWING YOUR BRAD NAILER



Unpacking

Unpack the brad nailer and all its parts, and compare against the list below. Do not discard the carton or any packaging materials. Please call 1-800-791-91458 or E-mail us at support@amerisuninc.com if any parts are damaged or missing.

Including:

1 – Brad nailer, one of Hex wrenches 3mm,4mm, 1 - Safety glasses, 1 - User manual, 1 - bottle of oil and 1 - Carrying case.

ASSEMBLY



WARNING: Disconnect air line from tool and remove fasteners from magazine before making adjustments or personal injury may result.

AIR FITTING

This tool uses a 1/4" N.P.T. male plug. The inside diameter should be 0.180" (4.6 mm) or larger. The fitting must be capable of discharging tool air pressure when disconnected from the air supply.



WARNING: Always use couplings that relieve all pressure from the tool when it is **disconnected from the power supply**. Always use hose connectors that shut off air supply from compressor when the tool is disconnected.

OPERATING INSTRUCTION



WARNING: Read and thoroughly understand all instructions and safety information before operating this brad nailer. Failure to do so may cause serious injury or death. Do not allow anyone to operate this brad nailerwho has not read this manual. a brad nailercan be dangerous if assembled or used improperly. Do not operate this brad nailer if you have doubts or questions

concerning safe operation. Call our customer service department at 1-800-791-9458 to address these concerns.



WARNING: Always wear safety glasses, safety gloves, safety shoes and suitable work clothing when operating this impact wrench. Do not wear jewelry, neckties or other loose clothing which could get caught in moving parts

PowerSmart PS6130 Pneumatic Brad nailer drives 18 gauge brad nails from 5/8" to 2" (15 mm to 50 mm) in length. The tool has a die cast aluminum body for strong and light weight design. The tool features a comfortable rubber handle for improved control and comfort even during extended use and a contact safety to prevent accidental firing and an adjustable depth for various applications.

Loading



WARNING: Keep the tool pointed away from yourself and others. Serious personal injury may result.

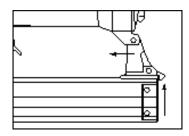
WARNING: Never load nails with the contact trip or trigger activated. Personal injury may result.

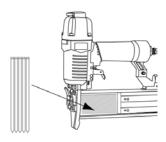
When replacing nails in your model PS6130, follow these guidelines:

Nail Type: 18 gauge brad nail Length: 5/8"- 2" Capacity: 100 pcs

To load your nailer:

- 1. Disconnect nailer from the air supply!
- 2. Grip the nailer firmly, and depress the magazine latch, as shown picture.
- 3. Pull the magazine cover back until it stops.
- 4. Point the nailer down and insert a stick of brad nails into the magazine, as show picture. Make sure that the pointed ends of the nails rest in the slot at the bottom of the magazine.
- 5. Push the magazine cover forward until the magazine latch Locks in place.





To operate your nailer:

If you have not read the safety instructions in this manual, do not operate the nailer. Before you operate your nailer, place five to six drops of the included oil the quick connect fitting where the nailer connects to the air supply.

- 1. Connect the air supply to the quick connect coupler.
- 2. To test for proper nail penetration, hold the nailer perpendicular to the surface of a piece of clean scrap wood that is thick enough for the length of nails you have loaded.
- 3. Depress the safety nose mechanism against your workpiece.
- 4. Before pulling the trigger, make sure your free hand and other body parts are positioned out of the way of a potential path of a nail in case of deflection. Deflection is caused when grain irregularities, knots or foreign objects inside the wood cause the nail to change its path, resulting in the nail puncturing the surface of the workpiece. Besides damaging your workpiece, deflection can cause injury if your free hand is securing the workpiece in the location that the nail deflects.
- 5. Pull the trigger.
 - -If the nail drove into the wood for enough, continue with your intended operations. -If the nail either went too far or not far enough, then refer to Adjusting Depth subsection.



WANRNING: During operation, this nailer can propel objects into the air and exhaust concentrated bursts of air, causing immediate eye damage. To reduce your risk from these hazards, always wear ANSI approved safety galsses or a face shield.



WARNING: Never point this nalier at yourself or another person! Always pay attention to the direction this nailer is pointed to reduce the risk of serious injury.

Clearing Jammed Nails



WARNING: Always disconnect air from nailer whenever clearing a jammed nail! A nailer connected to air may fire accidentally, causing serious personal injury!

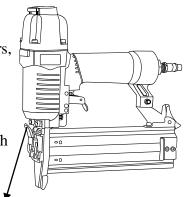
A jammed nail must be cleared before using the nailer again.

To clear a jammed nail from the magazine:

- 1. Disconnect nailer from the air supply.
- 2. Open the magazine cover and pull the magazine all the way back.
- 3. Locate and remove the jammed nail with a pair of needle-nose pliers, then latch the magazine cover closed.

To clear a jammed nail from the discharge area:

- 1. Disconnect nailer from the air supply.
- 2. Quick release jam clearing latch, then remove the jammed nail with needle nose pliers.
- 3. Latch the jam clearing latch into the slot.

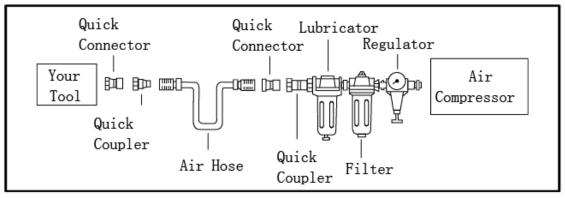


Jam Clearing Latch

Air supply

- 1. Use clean, Dry and regulated compressed air at 70-110 PSI.
- 2. Never exceed maximum and minimum pressure. Too low or too high pressure would cause noise wear and tear or misfiring.
- 3. When connecting air supply always keep hands and body away from discharge area of tool.
- 4. A filter- regulator-lubrication is required and should be located as close to tool as possible.
- 5. Keep air filter clean. A dirty filter will reduce the air pressure to the tool causing a reduction in power and efficiency.
- 6. For better performance, install a quick connector in your tool and quick coupler on the hose if possible.
- 7. Be sure all connections in air supply system are sealed to prevent air loss.

If you plan on installing a filter/ lubricator/regulator unit in your compressed air system, always follow the connection instructions that come with the unit.



Typical filter/ lubricator/regulator installation order



WARNING: Exceeding the maximum permissible operating pressure may cause the nailer to explode, blowing metal fragments in all directions. To protect yourself from serious personal injury, DO NOT allow your air compressor to exceed the recommended pressure when connected to this nailer!

MAINTENANCE



WARNING: Disconnect the tool from the air compressor before adjusting, clearing jams, servicing, Relocating and during non-operation.

- 1. Regular lubrication of the tool is required. Add 2 to 6 drops of lubricant oil into the air inlet before each work day or after 2 hours of continuous use depending on the characteristic of work piece or type of fasteners.
- 2. Check and change all worn or damaged o-rings, seals, etc. Tighten all the screws and caps to avoid personal injury.
- 3. Inspect trigger and safety mechanism to assure system is complete and functional with no loose or missing parts.
- 4. Keep magazine and workpiece contact trip clean and free of any dirt lint or abrasive particles.

TROUBLE SHOOTING

The following form lists the common operating system with problem and solutions. Please read the form carefully and follow it.

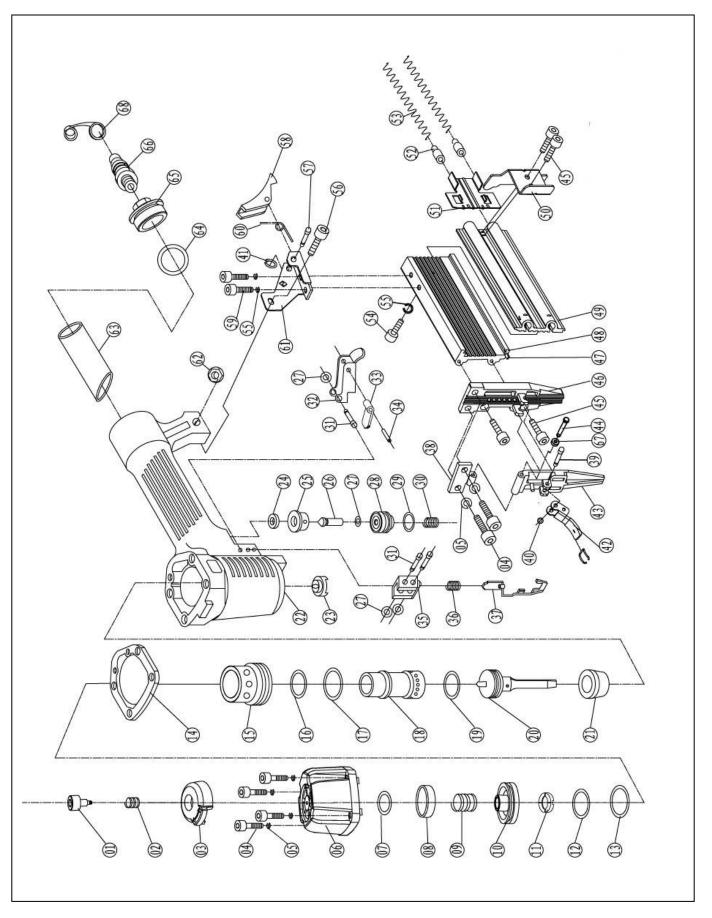


WARNING: If any of the following symptoms appears during your operating, stop using the tool immediately, or serious personal injury could result. Only a qualified persons or an authorized service center can perform repairs or replacement of tool.

Disconnect tool from air supply before attempting repair or adjustment. When replacing O-rings or Cylinder, lubricate with air tool oil before assembly.

PROBLEMS	POSSIBLE CAUSES	REMEDIES		
Air leak near top of tool	1. O-ring in trigger valve are	1. Check and replace O-ring.		
or in trigger	damaged.	2. Check and replace.		
	2. Trigger valve head are damage.	3.Check and replace trigger		
	3. Trigger valve stem, seal or O-ring	valve stem, seal or O-ring		
	are damaged.			
Air leak near bottom of	1. Loose screws.	1. Tighten screws.		
tool.	2. Worn or damaged O-rings or	2. Check and replace O-rings or		
	bumper.	bumper.		
Air leak between body	1. Loose screws.	1. Tighten screw.		
and cylinder cap.	2. Worn or damaged O-rings or seals.	2. Check and replace O-rings or		
		bumper.		
Blade driving fastener too	1. Worn bumper.	1. Replace bumper.		
deep.	2. Air pressure is too high.	2. Adjust the air pressure.		
Tool does not operate	1. Inadequate air supply.	1. Verify adequate air supply.		
well: can not drive	2. Inadequate lubrication.	2. Place 2 or 6 drops of oil into		
fastener or operate	3. Worn or damaged O-rings or seals.	air inlet.		
sluggishly.	4. Exhaust port in cylinder head is	3. Check and replace O-rings or		
	blocked.	seal.		
		4. Replace damaged internal		
		parts.		
Tool skips fasteners.	1. Worn bumper or damaged spring.	1. Replace bumper or pusher		
	2. Dirt in front plate.	spring.		
	3. Dirt or damage prevents fasteners	2. Clean drive channel on front		
	from moving freely in magazine.	plate.		
	4. Worn or dry O-ring on piston or	3. Magazine needs to be cleaned.		
	lack of Lubrication.	4. O-ring needs to be replaced.		
	5. Cylinder cover seal leaking.	And lubricate.		
T = 1 's m s	1 Incompation democratificat	5. Replace Sealing washer.		
Tool jams.	1. Incorrect or damaged fasteners.	1. Change and use correct		
	2. Damaged or worn driver guide.	fastener.		
	3. Magazine or nose screw loose.	2. Check and replace the driver.		
	4. Magazine is dirty.	3. Tighten the magazine.		
Nata: Da	noine should be somiad out by a sur-life-	4. Clean the magazine.		
Note: Repairs should be carried out by a qualified person.				

EXPLODED VIEW & PARTS LIST



Item	Stock #	Description	Qty
1	PS6130-001	Hex bolt	1
2	PS6130-002	Spring	1
3	PS6130-003	Exhaust deflector	1
4	PS6130-004	Hex bolt M5x20	6
5	PS6130-005	Spring washer 5	6
6	PS6130-006	Cylinder cap	1
7	PS6130-007	O ring 13.7x2.4	1
8	PS6130-008	Sealing ring	1
9	PS6130-009	Head valve spring	1
10	PS6130-010	Head valve	1
11	PS6130-011	Gasket	1
12	PS6130-012	O ring 31.2x2.5	1
13	PS6130-013	O ring 24.8x3.5	1
14	PS6130-014	Sealing gasket	1
15	PS6130-015	Collar	1
16	PS6130-016	O ring 26.2x2.4	1
17	PS6130-017	O ring 41.7x3	1
18	PS6130-018	Cylinder A	1
19	PS6130-019	O ring 21x3	1
20	PS6130-020	Piston Assembly	1
21	PS6130-021	Bumper	1
22	PS6130-022	Housing	1
23	PS6130-023	Rubber gasket	1
24	PS6130-024	Sealing ring	1
25	PS6130-025	Valve seat	1
26	PS6130-026	Valve stem	1
27	PS6130-027	O ring 1.7x2	4
28	PS6130-028	Valve sleeve	1
29	PS6130-029	O ring 11.2x2	1
30	PS6130-030	Trigger spring	1
31	PS6130-031	Pin	3
32	PS6130-032	Trigger	1
33	PS6130-033	Safety plate A	1
34	PS6130-034	Pin 2.5x16	1

Item	Stock #	Description	Qty
35	PS6130-035	Sliding plate shelf	1
36	PS6130-036	Push rod spring	1
37	PS6130-037	Safety a1ssembly	1
38	PS6130-038	Isolation Plate	1
39	PS6130-039	Position pin	1
40	PS6130-040	O ring 1.9x1.2	1
41	PS6130-041	Retainer	1
42	PS6130-042	Quick release assembly	1
43	PS6130-043	Cover	1
44	PS6130-044	Cover pin	1
45	PS6130-045	Hex bolt M4X14	4
46	PS6130-046	Drive guide A	1
47	PS6130-047	Panel	1
48	PS6130-048	Fixed magazine	1
49	PS6130-049	Sliding magazine	1
50	PS6130-050	Position seat	1
51	PS6130-051	Slider	1
52	PS6130-052	Pusher finger	2
53	PS6130-053	Pusher spring	2
54	PS6130-054	Hex bolt M4X7	1
55	PS6130-055	Spring gasket	3
56	PS6130-056	Hex bolt M4X20	1
57	PS6130-057	Hook handle pin	1
58	PS6130-058	Hook handle	1
59	PS6130-059	Hex bolt M4X8	2
60	PS6130-060	Torsion spring	1
61	PS6130-061	Fixed seat	1
62	PS6130-062	Nut M4	1
63	PS6130-063	Rubber Grip	1
64	PS6130-064	O ring 36.3x3.55	1
65	PS6130-065	End cap	1
66	PS6130-066	Air inlet plug	1
67	PS6130-067	Pin sleeve	1
68	PS6130-068	Air inlet plug cover	1

TWO (2) YEARS LIMITED WARRANTY

PowerSmart[®] is committed to building tools that are dependable for years. Our warranties are consistent with our commitment and dedication to quality.

TWO (2) YEARS LIMITED WARRANTY OF POWER SMART PRODUCTS FOR HOME USE.

PowerSmart ("Seller") warrants to the original purchaser only, that all PowerSmart consumer power tools will be free from defects in material or workmanship for a period of two (2) years from date of purchase. Ninety (90) days for all Power Smart Products, if the tool is used for professional or commercial use.

SELLER'S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Two (2) Years Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Center. To make a claim under this Limited Warranty, you must return the entire power tool product; transportation prepaid, to Power Smart Include a legible copy of the original receipt, which lists the date of purchase (month and year) and the name of the company purchased from.

THIS LIMITED WARRANTY DOES NOT APPLY TO ANY ACCESSORY ITEMS INCLUDED WITH THE TOOL SUCH AS CIRCULAR SAW BLADES OTHER RELATED ITEMS OR TO ANY REPLACEMENT PARTS LISTED UNDER MAINTENANCE.

ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO TWO (2) YEARS FROM DATE OF PURCHASE. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE IN THE U.S., PROVINCE TO PROVINCE IN CANADA AND FROM COUNTRY TO COUNTRY.

For questions / comments, technical assistance or repair parts – Please call toll free at: 1-800-791-9458 (M-F 9am – 5pm EST) Email: support@amerisuninc.com

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.