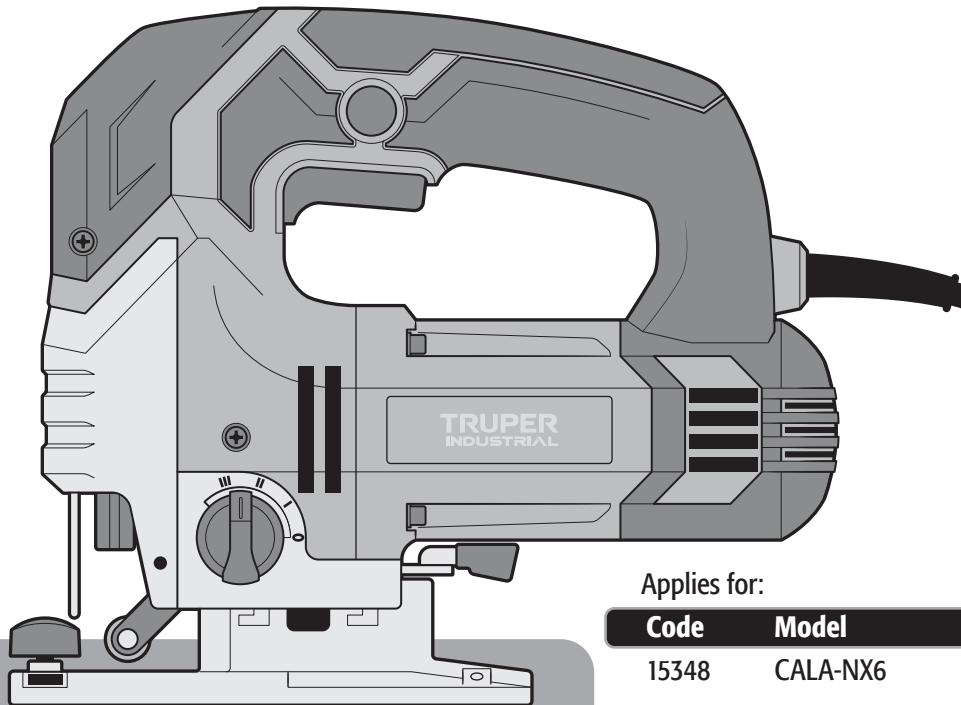


Manual

Variable speed jig saw

1 Hp
Power



Applies for:

Code

Model

15348

CALA-NX6

CALA-NX6

! CAUTION



Read the user's manual thoroughly
before operating this tool.



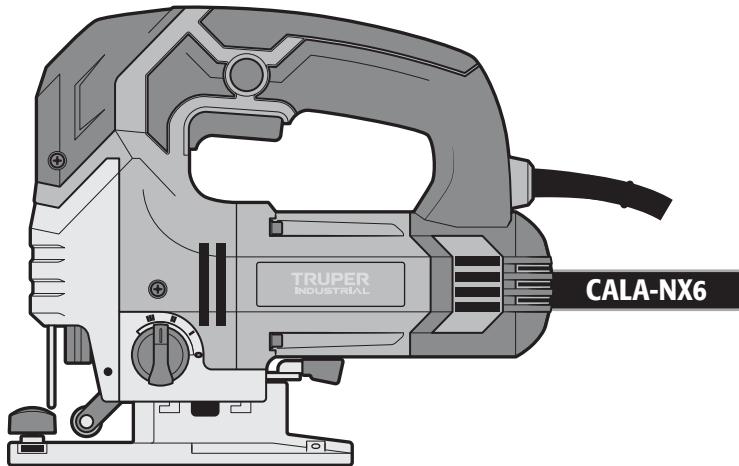
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CAUTION

To gain the best performance of the tool, prolong the duty life, make the Warranty valid if necessary, and to avoid hazards of fatal injuries please read and understand this Manual before using the tool.

Keep this manual for future references.

The illustrations in this manual are for reference only. They might be different from the real tool.



CALA-NX6

Code	•	15348
Description	•	Variable speed jig saw
Voltage	•	127 V~
Frequency	•	60 Hz
Current	•	5.9 A
Power	•	1 Hp
Variable Speed	•	800 strokes / min - 3 000 strokes / min
Stroke length	•	1"
Miter cutting	•	0° - 45° left / right
Cutting Capacity	•	Wood 4 3/4" Steel 3/8"
Duty Cycle	•	50 minutes work per 20 minutes idle. Maximum 6 hours per day.
Conductors	•	18 AWG x 2C with insulating temperature of 221 °F
Insulation	•	Class II
	•	IP Grade IP20

Power Cord Grips: Type Y.

Build Quality: Reinforced insulation.

Thermal Insulation on Motor Winding: Class E.

WARNING Avoid the risk of electric shock or severe injury. When the power cable gets damaged it should only be replaced by the manufacturer or at a **TRUPER**® Authorized Service Center. The build quality of the electric insulation is altered if spills or liquid gets into the tool while in use. Do not expose to rain, liquids and/or dampness.

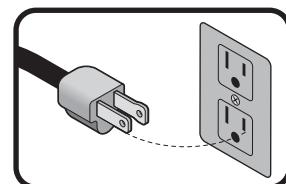
WARNING Before gaining access to the terminals all power sources should be disconnected.



Power requirements

WARNING Tools with double insulation and reinforced insulation are equipped with a polarized plug (one prong is wider than the other). This plug will only fit in the right way into a polarized outlet. If the plug cannot be introduced into the outlet, reverse the plug. If it still doesn't fit, call a qualified electrician to install for you a polarized outlet. Do not alter the plug in any way. Both insulation types eliminate the need of both a grounded third power cord with three prongs or a grounded power connection.

WARNING When using an extension cable, verify the gauge is enough for the power that your product needs. A lower gauge cable will cause voltage drop in the line, resulting in power loss and overheating. The following table shows the right size to use depending on cable's length and the ampere capability shown in the tool's nameplate. When in doubt use the next higher gauge.



Ampere Capacity	Number of Conductors	Extension gauge	
		from 6 ft to 49 ft	higher than 49 ft
from 0 A and up to 10 A		18 AWG(*)	16 AWG
from 10 A and up to 13 A		16 AWG	14 AWG
from 13 A and up to 15 A	3 (one grounded)	14 AWG	12 AWG
from 15 A and up to 20 A		8 AWG	6 AWG

* It is safe to use only if the extensions have a built-in artifact for over current protection.

AWG = American Wire Gauge. Reference: NMX-J-195-ANCE

WARNING When operating power tools outdoors, use a **VOLTECK** grounded extension cable labeled "For Outdoors Use". These extensions are specially designed for operating outdoors and reduce the risk of electric shock.



⚠ WARNING! **Read carefully all safety warnings and instructions listed below.** Failure to comply with any of these warnings may result in electric shock, fire and / or severe damage. **Save all warnings and instructions for future references.**

Work area

Keep your work area clean, and well lit.

Cluttered and dark areas may cause accidents.



Never use the tool in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.

Sparks generated by power tools may ignite the flammable material.



Keep children and bystanders at a safe distance while operating the tool.

Distractions may cause loss of control.

**Electrical Safety**

The tool plug must match the power outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.



Modified plugs and different power outlets increase the risk of electric shock.

Avoid body contact with grounded surfaces, such as pipes, radiators, electric ranges and refrigerators.

The risk of electric shock increases if your body is grounded.

Do not expose the tool to rain or wet conditions.

Water entering into the tool increases the risk of electric shock.

Do not force the cord. Never use the cord to carry, lift or unplug the tool. Keep the cord away from heat, oil, sharp edges or moving parts.

Damaged or entangled cords increase the risk of electric shock.

When operating a tool outdoors, use an extension cord suitable for outdoor use.

Using an adequate outdoor extension cord reduces the risk of electric shock.

If operating the tool in a damp location cannot be avoided, use a ground fault circuit interrupter (GFCI) protected supply.

Using a GFCI reduces the risk of electric shock.

Personal safety

Stay alert, watch what you are doing and use common sense when operating a tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.

A moment of distraction while operating the tool may result in personal injury.

Use personal protective equipment. Always wear eye protection.

Protective equipment such as safety glasses, anti-dust mask, non-skid shoes, hard hats and hearing protection used in the right conditions significantly reduce personal injury.



Prevent unintentional starting up. Ensure the switch is in the "OFF" position before connecting into the power source and / or battery as well as when carrying the tool.

Transporting power tools with the finger on the switch or connecting power tools with the switch in the "ON" position may cause accidents.

**General power tool
safety warnings**

Remove any wrench or vice before turning the power tool on.

Wrenches or vices left attached to rotating parts of the tool may result in personal injury.

Do not overreach. Keep proper footing and balance at all times.

This enables a better control on the tool during unexpected situations.

Dress properly. Do not wear loose clothing or jewelry. Keep hair, clothes and gloves away from the moving parts.

Loose clothes or long hair may get caught in moving parts.



If you have dust extraction and recollection devices connected onto the tool, inspect their connections and use them correctly.

Using these devices reduce dust-related risks.

Power Tools Use and Care

Do not force the tool. Use the adequate tool for your application.



The correct tool delivers a better and safer job at the rate for which it was designed.

Do not use the tool if the switch is not working properly.

Any power tool that cannot be turned ON or OFF is dangerous and should be repaired before operating.

Disconnect the tool from the power source and / or battery before making any adjustments, changing accessories or storing.

These measures reduce the risk of accidentally starting the tool.

Store tools out of the reach of children. Do not allow persons that are not familiar with the tool or its instructions to operate the tool.



Power tools are dangerous in the hands of untrained users.

Service the tool. Check the mobile parts are not misaligned or stuck. There should not be broken parts or other conditions that may affect its operation. Repair any damage before using the tool.



Most accidents are caused due to poor maintenance to the tools.

Keep the cutting accessories sharp and clean.

Cutting accessories in good working conditions are less likely to bind and are easier to control.

Use the tool, components and accessories in accordance with these instructions and the projected way to use it for the type of tool when in adequate working conditions.

Using the tool for applications different from those it was designed for, could result in a hazardous situation.

Service

Repair the tool in a **TRUPER® Authorized Service Center** using only identical spare parts.

This will ensure that the safety of the power tool is maintained.



This tool is in compliance with
the Official Mexican Standard
(NOM - Norma Oficial Mexicana).

Safety warnings for jig saws

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Select the adequate blade

- CAUTION** • Select the adequate blade for the material. Reduce the risk of severe personal injury and make the job faster.
- WARNING** • Do not use dull or damaged blades. Bent blades may break easily and could cause kickback.
- CAUTION** • Handle blades with care. The teeth are very sharp.

Before operating the jig saw

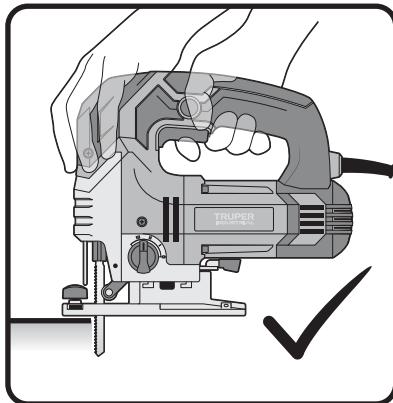
- DANGER** • Double-check wall, floors, and ceilings to prevent making contact with power wires and / or pipes.
- CAUTION** • Before starting to cut verify there are no nails or screws along the cutting line.
- Clamp and secure the work piece if possible to prevent it from moving.
- This jig saw is intended for manual use. Do not fix it.

After operating the jig saw

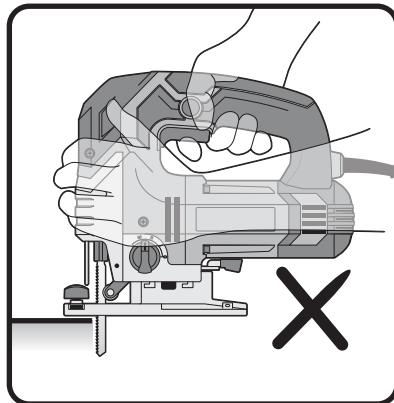
- WARNING** • Metal parts and accessories may get very hot if the tool is used for long periods of time.
- CAUTION** • Remove the Jig saw from the work piece only when it stops moving.

While Operating the Jig saw

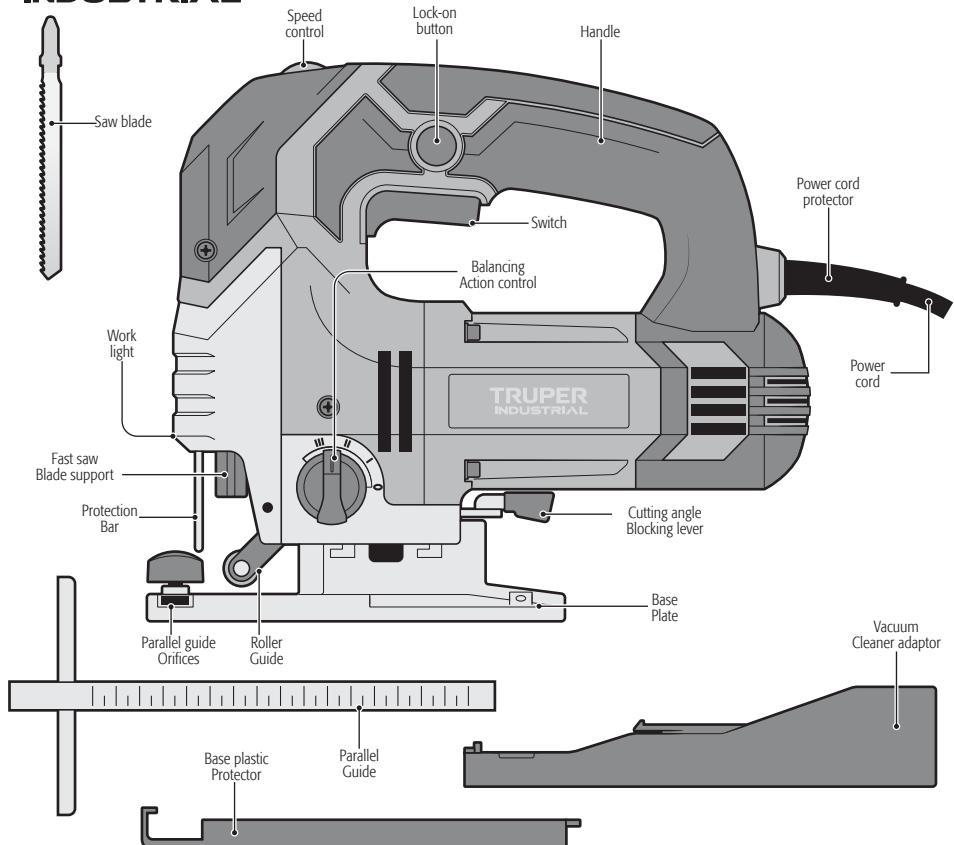
- CAUTION** • Hold the tool by the insulated gripping parts when there is risk of making contact with hidden wiring or the tools cable. Contact with "live" wiring will electrify the exposed metal parts of the tool and send an electric shock to the operator.
- Use a bench vice or other practical way to support and secure the work piece onto a firm platform. Holding the work piece with your hand against your body makes it unstable and could cause loss of control.
- WARNING** • Keep your hands away from the cutting area. Do not overreach over the material to be cut. The distance of your hand with the blade is out of sight.
- CAUTION** • Never stop the blade by applying force on its side.
- When operating the jig saw always assure it is firmly held.
- When operating the jig saw sit it firmly against the material. It reduces vibration, stops the tool from jumping or breaking the blade.



right way to hold the jig saw



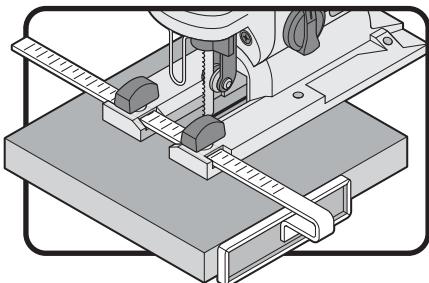
wrong way to hold the jig saw



Preparation

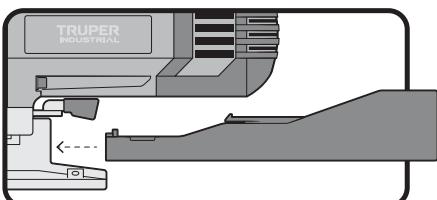
Pararell guide installation

- Loosen the fixing knob and insert the parallel guide through the base guide.
- Adjust the desired cutting width according to the scale on the inner edge of the base.
- Tighten the fixing knob.



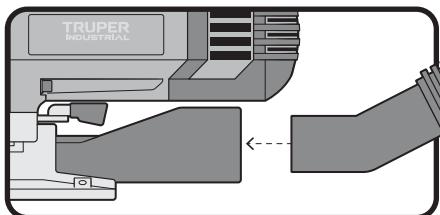
Vacuum Cleaner Adaptor

Mount the vacuum cleaner adaptor un the opening found in the base plate. Verify the vacuum cleaner adaptor tip is inside the corresponding opening in the housing .



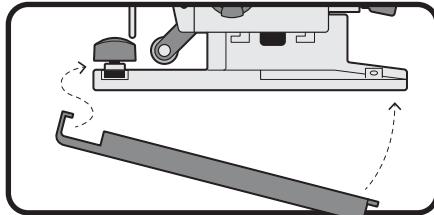
Dust extraction hose installation

- Connect the dust extraction hose to the dust extraction port of the machine with an internal diameter of 1 3/8" (or 35 mm) (not compatible with Truper brand vacuums).
- Connect the dust extraction hose to a dust extractor or vacuum cleaner.



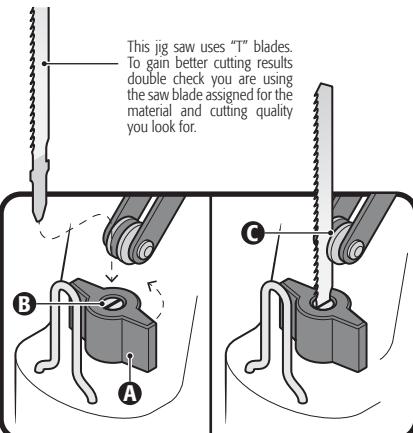
Base Plastic Protector

The tool is equipped with a protection for the base plate. It protects delicate surfaces. To set up hook the protector up front of the base plate and then press it into the rear part until hearing a click.



Installation of the Saw Blade

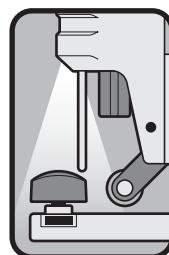
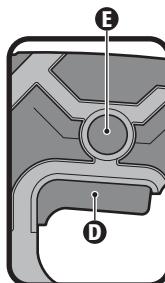
- With the jig saw in an inverted position turn the fast support (A) counterclockwise. Fully insert the saw blade into the saw blade slot (B) with the cutting teeth to the front. Release the support to let the jaw catching the saw blade.
- Try to move the saw blade to double check it is firmly secured.
- Double check the saw blade is properly set and it can easily run in the roller guide slot (C). Otherwise the balancing action will not work right and the saw blade will not be supported while cutting.



Start Up and Operation Control

- Intermittent Operation:
Connect the plug into the power outlet.
Press the switch (D) to start the tool.
To stop the tool, simply release the switch.
- Continuous Operation:
Connect the plug into the power outlet.
Press the switch (D) and hold it pressing the lock-on button (E).

To stop the tool, press and release the switch.



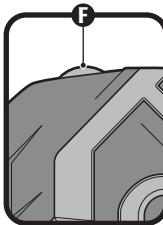
The work light turns on when the switch is pressed.

Speed Control

- The tool can run in different speeds. These are selected by adjusting the speed selector found in the tool rear side (F).
- The specified number of passes depends on the material and working conditions, it is advisable to determine it by testing. It is advisable to reduce the number of passes when applying the saw blade in operation against the workpiece, as well as when cutting plastic and aluminum.

⚠ WARNING • When working for a long time with a reduced number of passes, the electric tool may heat up strongly.

Remove the saw blade and let the electric tool work for approximately 3 minutes at maximum revolutions to cool down.



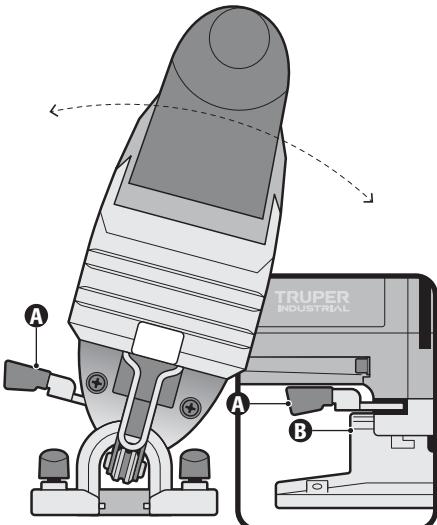
Speed guide

Application	Speed
Shap curves	MIN-1
Curve cutting	2 - 3
Curve cutting	4 - 5
Standard cutting, fast cutting	MAX

Cutting Angle Adjust

To make bevel cuts adjust the cutting angle in the base plate.

- Release the angle blocking lever (A).
- Once the adjustment lever is free, push the baseplate to the front to release the locking system and turn it to the desired angle, matching the guide with the graduated marks (0°, 15°, 30°, 45°) (B).
- When making cuts with non-established angles use a protractor or a graded circle.
- Secure the base plate into the desired angle tightening strongly the blocking angle. The marks in the angles in the base plate are accurate for most of the needs, but checking the angle with a protractor and making a trial cut on a piece of scrap wood is recommended.

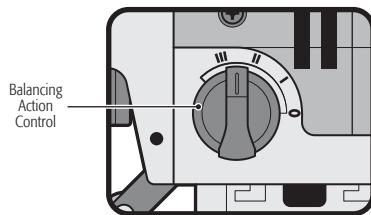
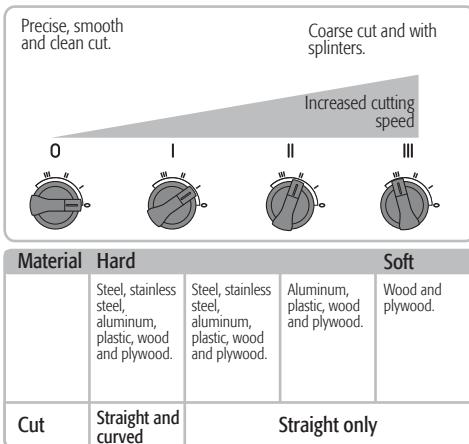


Start up

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Balancing Action Control

The balancing action varies the saw blade cutting angle to increase the cut efficiency. This can also be adjusted while no-load operation. To see more details, see the balancing action selection table. Do not use excessive force on the saw blade when cutting with balancing action. The saw blade only cuts when going upwards.



Additional Tips

- If the tool is overheated in excess, especially when working in low speeds, set speed to the maximum and let it run with no load during 2 or 3 minutes to cool down the motor.
- Avoid prolonged use in low speeds.
- For an easier begin cutting in low speed at the beginning of the cut and then increase to the right speed.

- The saw blade cuts when traveling upwards and can chip the upper side of the work piece. Use care the upper surface is not visible when finishing the job.
- Occasionally, sparks can be observed though the ventilation slots. It is normal and does not damage the tool.

Cutting laminated materials

Use a blade with fine teeth when cutting most of laminated materials or thin wood. To reduce splintering in the edges fasten scrap wood pieces on both faces of the work piece and make the cut.

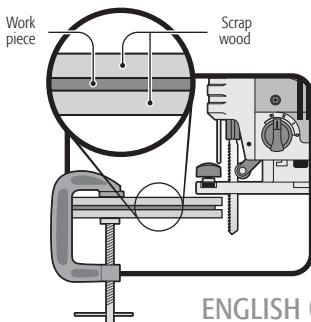
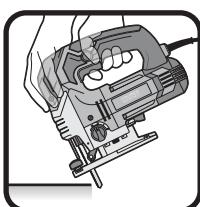
CAUTION Do not use the balancing action when cutting closed circles or angles.

Cutting metal

Use a blade with fine teeth to work on iron materials and a rough blade to work with non-iron materials. When cutting thin metal sheets fasten some wood on both sides of the sheet to reduce vibration or to prevent tearing the metal. Both wood and metal shall be cut. Do not force the blade when cutting thin metal or steel thin sheets. These are harder materials and the cut takes longer. Excessive force on the blade may reduce its useful life or damage the motor. To reduce heat when cutting metal, add some lubricant on the cutting line.

Tilt cut

Tilt cut can only be made onto soft materials like wood, aerated concrete, gypsum sheets, etc. Use only short blades. Set the front edge of the base plate onto the work piece and start the tool. Press firmly against the work piece and gently tilt the blade onto the piece. Continue cutting through the cutting line.



WARNING Disconnect the cable from the power outlet before making adjustments, service or maintenance on the tool.

Cleaning and care

- Keep the tool free of dust. Never use water or chemical-based cleansing materials. Clean only using a clean and dry cloth.
- Keep the ventilation slots always clean and free of obstructions to guarantee the right cooling of the motor.
- Regularly inspect all the assembly screws and double-check they are properly tightened. If a screw is loose, tighten immediately.
- Both the armor and the motor are the power tool heart. Use extreme care not to affect them with oil or water.
- Double-check the power cable regularly to detect any type of damage. Go to a **TRUPER®** Authorized Service Center when damaged.

Service

Service to the tool shall only be performed in a **TRUPER®** Authorized Service Center. Service and maintenance performed by non-qualified people may result dangerous and can cause personal injury and make the warranty void.

Carbon brush replacement

- Checked periodically the carbon brushes when worn. Replace only at a **TRUPER®** Authorized Service Center.
- After replacing the carbons ask the technician to double-check the new carbon brushes can move freely in the carbon housing. Ask to have the tool turned on and keep it running 5 minutes to make even the contact carbons and commutator.
- Use only original **TRUPER®** spare carbon brushes, designed specifically with the right strength and electric resistance for each type of motor. Carbon brushes with different specifications may damage the motor.
- When replacing carbon brushes both carbons should be replaced simultaneously.

Authorized service centers

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In the event of any problem contacting a Truper Authorized Service Center, please see our webpage www.truper.com to get an updated list, or call our toll-free numbers **800 690-6990** or **800 018-7873** to get information about the nearest Service Center.

AGUASCALIENTES	DE TODO PARA LA CONSTRUCCIÓN GRAL. BARRAGÁN #1201, COL. GREMIAL, C.P. 20030, AGUASCALIENTES, AGS. TEL.: 449 994 0537	
BAJA CALIFORNIA	SUCRASAL TIJUANA AV. LA ENCANTADA, LOTE #5, PARQUE INDUSTRIAL EL FLORIDO II, C.P. 22244, TIJUANA, B.C. TEL.: 664 969 5100	
BAJA CALIFORNIA SUR	FIX FERRETERÍAS FELIPE ANGELES ESQ. RUIZ CORTÍNEZ S/N, COL. PUEBLO NUEVO, C.P. 23670, CD. CONSTITUCIÓN, B.C.S. TEL.: 613 132 1115	
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CHIHUAHUA	SUCRASAL CHIHUAHUA AV. SILVESTRE TERRAZAS #12-111, PARQUE INDUSTRIAL BAFAR, CARRETERA MÉXICO CUÁHTEMOC, C.P. 31415, CHIHUAHUA, CHIH. TEL. 614 434 0052	
CIUDAD DE MÉXICO	FIX FERRETERÍAS EL MONSTRUO DE CORREGIDORA, CORREGIDORA # 35, COL. CENTRO, C.P. 06600, CUAUTÉMOC, CDMX. TEL: 55 5522 5031 / 5522 4861	
COAHUILA	SUCRASAL TORREÓN CALLE METAL MECÁNICA #280, PARQUE INDUSTRIAL ORIENTE, C.P. 27278, TORREÓN, COAH. TEL: 871 209 68 23	
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DURANGO	TORNILLOS ÁGUILA, S.A. DE C.V. MAZURIÓ #200, COL. LUIS ECHEVERRÍA, DURANGO, DGO.TEL.: 618 817 1946 / 618 818 2844	
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GUANAJUATO	CÍA. FERRETERA NUEVO MUNDO S.A. DE C.V. AV. MÉXICO - JAPÓN #225, CD. INDUSTRIAL, C.P. 38010, CELAYA, GTO. TEL.: 461 617 7578 / 79 / 80 / 88	
GUERRERO	CENTRO DE SERVICIO ECLIPSE CALLE PRINCIPAL MZ.1 LT. 1, COL. SANTA FE, C.P. 39010, CHILPANCINGO, GRO. TEL: 747 478 5793	
HIDALGO	FERREPRESOS S.A. DE C.V. LIBERTAD ORIENTE #504 LOCAL 30, INTERIOR DE PASAJE ROBLEDO, COL. CENTRO, C.P. 43600, TULANCINGO, HGO. TEL.: 775 753 6615 / 775 753 6616	
JALISCO	SUCRASAL GUADALAJARA AV. ADOLFO B. HORN # 6800, COL: SANTA CRUZ DEL VALLE, C.P.: 45655, TLAJOMULCO DE ZUÑIGA, JAL. TEL.: 33 3606 5285 AL 90	
MICHOACÁN	FIX FERRETERÍAS AV. PASEO DE LA REPÚBLICA #3140-A, COL. EX-HACIENDA DE LA HUERTA, C.P. 58050, MORELIA, MICH. TEL.: 443 334 6858	
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NUEVO LEÓN	SUCRASAL MONTERREY CARRETERA LAREDO #300, 1B MONTERREY PARKS, COLONIA PUERTA DE ANÁHUAZ, C.P. 66052, ESCOBEDO, NUEVO LEÓN, TEL.: 81 8352 8791 / 81 8352 8790	
OAXACA	FIX FERRETERÍAS AV. 20 DE NOVIEMBRE #910, COL. CENTRO, C.P. 68300, TUTXEPÉC, OAX. TEL: 287 106 5092	
PUEBLA	SUCRASAL PUEBLA AV. PERIFÉRICO #2-A, SAN LORENZO ALMECATLA, C.P. 72710, CUATLACINGO, PUE. TEL: 222 282 8282 / 84 / 85 / 86	
QUERÉTARO	ARU HERRAMIENTAS S.A. DE C.V. AV. PUERTO DE VERACRUZ #110, COL. RANCHO DE ENMEDIO, C.P. 76842, SAN JUAN DEL RÍO, QRO. TEL.: 427 268 4544	
QUINTANA ROO	FIX FERRETERÍAS CARRETERA FEDERAL MZ. 46 LT. 3 LOCAL 2, COL. EJIDAL, C.P. 77100 PLAYA DEL CARMEN, Q.R. TEL.: 984 267 3140	
SAN LUIS POTOSÍ	FIX FERRETERÍAS AV. UNIVERSIDAD #1850, COL. EL PASEO, C.P. 78320, SAN LUIS POTOSÍ, SLP. TEL: 444 822 4341	
SINALOA	SUCRASAL CULIACÁN AV. JESÚS KUMATE SUR #4301, COL. HACIENDA DE LA MORA, C.P. 80143, CULIACÁN, SIN. TEL.: 667 173 9139 / 173 8400	
SONORA	FIX FERRETERÍAS CALLE 5 DE FEBRERO #517, SUR LT. 25 MZ. 10, COL. CENTRO, C.P. 85000, CD. OBREGÓN, SON. TEL.: 644 413 2392	
TABASCO	SUCRASAL VILLAHERMOSA CALLE HELIO LOTES 1, 2 Y 3 MZ. #1, COL. INDUSTRIAL, 2A ETAPA, C.P. 86010, VILLAHERMOSA, TAB. TEL.: 993 353 7244	
TAMAULIPAS	VM ORINGS Y REFACCIONES CALLE ROSITA #527 ENTRE 20 DE NOVIEMBRE Y GRAL. RODRÍGUEZ, FRACC. REYNOSA, C.P. 88780, REYNOSA, TAMS. TEL.: 899 926 7552	
TLAXCALA	SERVICIOS Y HERRAMIENTAS INDUSTRIALES PABLO SIDAR #132, COL. BARRIO DE SAN BARTOLOMÉ, C.P. 90970, SAN PABLO DEL MONTE, TLAX. TEL.: 222 271 7502	
VERACRUZ	LA CASA DISTRIBUIDORA TRUPER BLVD. PRIMAVERA ESQ. HORTENSIA S/N, COL. PRIMAVERA C.P. 93308, POZA RICA, VER. TEL.: 782 823 8100 / 826 8484	
YUCATÁN	SUCRASAL MÉRIDA CALLE 33 #600 Y 602, LOCALIDAD ITZINCAB Y MULSAY, MPIO. UMÁN, C.P. 97390, MÉRIDA, YUC. TEL.: 999 912 2451	

Code

15348

Model

CALA-NX6

Brand**TRUPER®**
INDUSTRIAL

Warranty. Duration: 5 year. Coverage: parts, components and workmanship against manufacturing or operating defects, except if used under conditions other than normal; when it was not operated in accordance with the instructive; was altered or repaired by personnel not authorized by Truper®. To make the warranty valid, only present the product in the establishment where you bought it or in Corregidora 35, Centro, Cuauhtémoc, CDMX, 06060, where you can also purchase parts, components, consumables and accessories. The costs of transportation of the product that derive from its fulfillment of its service network are included. Truper will not require any proof of purchase to make the warranty effective. Phone number 800-018-7873. Made in China. Imported by Truper, S.A. de C.V. Parque Industrial 1, Parque Industrial Jilotepec, Jilotepec, Edo. de Méx. C.P. 54257, Phone number 761 782 9100.

Stamp of the business. Delivery date:

