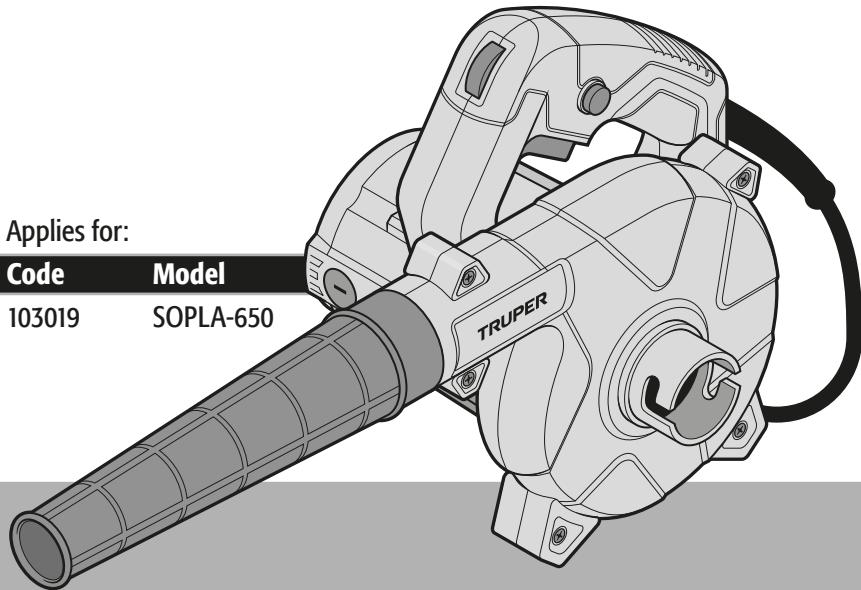


Manual

Blower / Vacuum

650 W
Power



Applies for:

Code	Model
103019	SOPLA-650

SOPLA-650

CAUTION



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



Technical Data.....	3
Power Requirements.....	3
 General Power Tool Safety warnings.....	4
 Safety Warnings for the use of Blowers.....	5
Parts	6
Assembly.....	6
Start Up.....	7
Maintenance.....	8
Troubleshooting.....	8
Authorized Service Centers.....	9
Warranty Policy.....	10

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.

Usage and Care Recommendations

-  **RESPECT WORK CYCLES.**
30 minutes of work per 15 minutes of rest. Maximum daily usage of 3 hours.
-  **NEVER** use the cable to transport, lift, or disconnect the tool.
-  Clean the collection bag after each use (Empty it completely).
-  Thoroughly clean the ventilation slots of the blower to keep them free from any obstruction.
-  Perform regular **MAINTENANCE** on your machine (page 8).

SOPLA-650

Code	•	103019
Description	•	Blower / Vacuum
Voltage	•	127 V~
Frequency	•	60 Hz
Current	•	5.3 A
Power	•	650 W
Speed	•	16 000 RPM
Air Speed	•	100 MPH - 211 MPH
Air Volume	•	100 CFM
Weight	•	3.3 lbs
Noise level	•	95 dB
Work Cycle	•	30 minutes' work per 15 minutes' rest. Maximum 3 hours daily.
Conductors	•	18 AWG X 2C with 221 °F insulating temperature
Insulation	•	Class II
		IP Grade • IP20

Tool Build Quality: Double insulation
Thermal insulation on motor winding: Class F

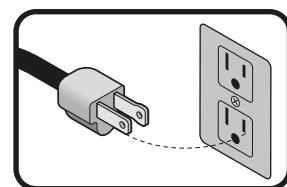
WARNING Avoid the risk of electric shock or severe injury. When the power cable gets damaged it should only be replaced by the manufacturer or at a  TRUPER® Authorized Service Center. The build quality of the electric insulation is altered if spills or liquid gets into the tool while in use. Do not expose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

Amperes Capacity	Number of Conductors	Extension Gauge	
		From 6 ft to 49 ft	Higher than 49 ft
From 0 and up to 10 A		18 AWG	16 AWG
From 10 and up to 13 A		16 AWG	14 AWG
From 13 and up to 15 A	3 (one grounded)	14 AWG	12 AWG
From 15 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 especially designed for operating outdoors and reduce the risk of electric shock.



ENGLISH



⚠️ 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.

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, jewelry or long hair may get caught in moving parts.



If you have dust extraction and collection 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.

Children or people with reduced physical, sensory or mental capabilities shall not operate the tool, neither inexperienced people or without knowledge in the use of the tool, unless supervised by a person responsible of their safety or if receiving previous instructions about the tool operation.

Children shall be kept under supervision to double-check they will not play with the tool. Tight supervision shall be used with children or disabled persons to prevent from using or being close to any household tool.



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

Safety Warnings for the use of Blowers

TRUPER®

Before Operating the Tool

DANGER • Never use the tool when you are tired, ill, or under the influence of drugs, alcohol, or medication.
• Wear appropriate clothing for operating the tool: snug-fitting attire, thick pants, slip-resistant safety boots, heavy-duty protective gloves, ear protection, and safety glasses with side protection complying with ANSI Z87.1 standards, as well as a dust mask or face shield to prevent inhaling harmful particles.



WARNING • Remove any accessory or loose clothes which could get caught in the motor. Put your hair up above shoulders' level.
• Make sure the tool is in perfect conditions. Do not turn ON is not properly adjusted or fully assembled to assure a safe operation.
• Double check the tool is clean, dry and free of oil.
• Verify the work area is in an open and well ventilated area.
• In extreme temperature, check there are no ice formations o condensation on the tool.
• Make sure visibility and light conditions are adequate to see clearly. Otherwise, do not use the tool.

When Operating the Tool

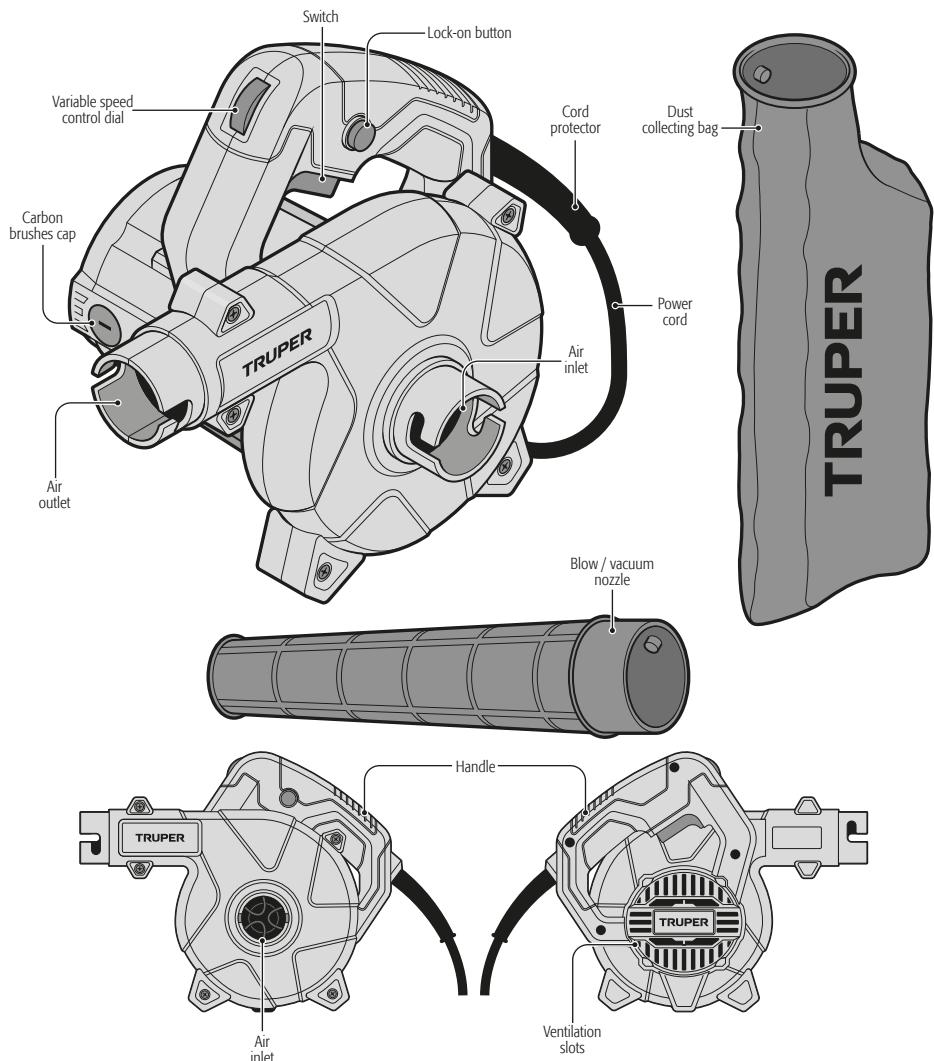
WARNING • Check the nozzle is not pointing towards people or animals before starting the motor. Never point the blower at people or animals.
• Hold the blower correctly and with both feet firmly supported on the floor.
• Keep the tool away from flammable materials.
• Do not try to make adjustments to the tool while the motor is running.
• Do not try to remove stuck debris from inside the pipes or the blower when the motor is running. Disconnect the tool before removing the material.
• Be aware of surrounding risks. Noise coming out from the tool may prevent you from noticing.

After Operating the Tool

WARNING • Turn OFF the motor before putting the tool to rest. Do not leave the motor running unattended.
WARNING • Do not leave the blower running onto dirty surfaces or on the grass because it could pick up residues which later could be thrown towards the operator or third parties causing severe injuries.
CAUTION • Service and repairs to the tool shall only be carried out in a **TRUPER®** Authorized Service Center.

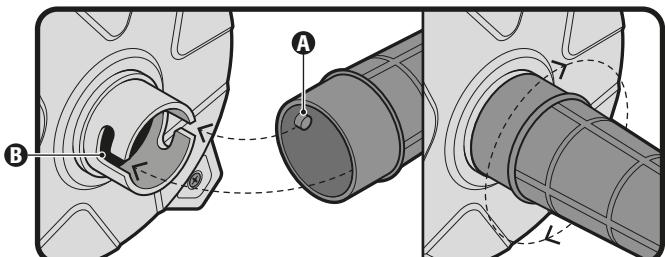
Assembly Recommendations

WARNING • If there are missing parts do not run the tool until replaced. Otherwise, the user may suffer severe injuries.
WARNING • Do not try to modify the tool or manufacture accessories that are not recommended. Otherwise, the user may receive severe injuries. It also makes the Warranty void.



Assembly

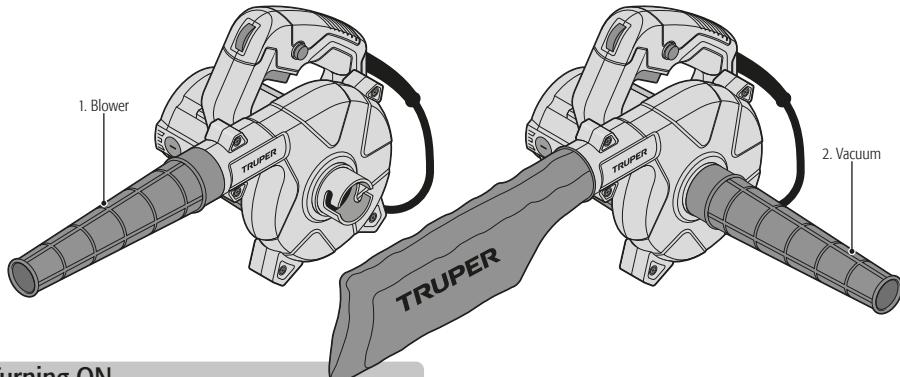
- Match the inner notches (A) in the nozzle or dust collecting pouch with slots (B) of the air inlet or outlet. Connect and turn to secure in place.



Settings

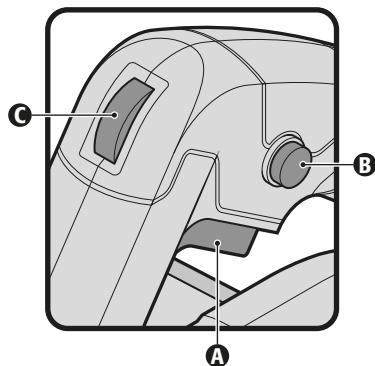
- Connect the blowing nozzle / vacuum in the air outlet (to use the equipment as blower) or in the air inlet (to use the equipment as vacuum) depending on the job to carry out.
- When setting the equipment as vacuum connect the dust collecting pouch in the air outlet.

CAUTION • When setting the equipment as blower do not install the dust collecting pouch.



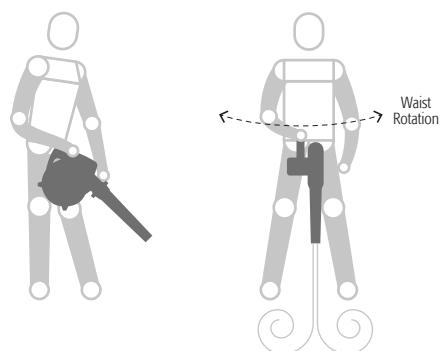
Turning ON

- Connect one end of an extension cable to the blower power cable.
- Stretch perfectly the extension cable.
- Connect the extension cable into a power outlet with the specified voltage for the blower.
- Intermittent operation: Press switch (A) to start the equipment. To stop using it, release the switch.
- Continuous operation: Press switch (A) and block it, pressing the lock-on button (B). To stop it, press the switch again.
- The tool features a variable speed controller (C) to operate the machine at different speeds. Select the speed level that best suits your needs.



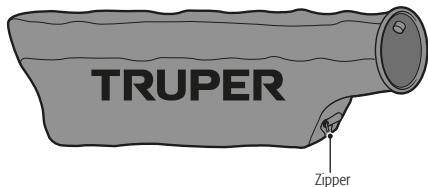
Operation

- Set both feet firmly on the ground and the body well balanced. Hold the equipment by the handle.
- Have the blowing nozzle point down and away from your feet. Turn ON the equipment.
- Make side-to-side movements and rotate your waist to make the air blowing through the nozzle, push the residues when sweeping.
- Push the residues to make a pile.
- To prevent scattering the residues in the pile, limit the amount of blowers working at the same time.
- To reduce noise levels, limit the number of blowers used at the same time.
- Use the blower during reasonable schedules. Avoid bothering other people with the noise.
- After using the blower, dispose of residues, properly.



Cleaning

- Clean the blower after each use. It will be kept in good conditions and will lengthen its useful life.
- To clean, use a piece of cloth with warm water and a soft brush.
- After each use, disassemble all the parts from the tool and remove all the particles. Pay special attention to the inner ventilator driver.
- Clean perfectly the blower ventilation to free them from any obstruction.
- Clean the dust collecting bag after each use. Open the zipper at the bottom of the bag and completely empty its contents.



Storage

- Clean the tool before storing to prevent mildew.
- Store the blower in a dry and lukewarm place, away from sun light (preferably dark) and away from the reach of children.
- Avoid storing the blower in plastic bags, otherwise the humidity generated could damage it.
- Keep the tool away from corrosive agents like chemical substances and anti-freeze salts.

Carbon Brush Replacement

- It is necessary to replace worn carbon brushes (burnt, broken or smaller than 0.2" (5 mm) long) with new carbon brushes.
- **CAUTION** • Check periodically the length of the carbon brushes for replacement. Operating the machine with brushes shorter than 5 mm will cause damage to the components.
- When replacing carbon brushes always replace both.
- Remove the worn carbon brushes from the carbon brush holder and remove with compressed air the dust accumulated.
- Set the new carbon brushes reversing the order. The carbon brushes should fall in the carbon brush holder easily.
- After setting the new carbon brushes, allow the tool to run unloaded a couple of minutes to better adjusting the carbon brushes.
- Use only **TRUPER®** spare carbon brushes (CB-SOPLA-650) designed specifically with the hardness and electric resistance adequate for each type of motor. Carbon brushes that are out of specification may damage the motor.

Maintenance

- Any type of repairs or maintenance shall be carried out in a **TRUPER®** Authorized Service Center.

Environment Protection

- After the machine is worn out, the materials such as packaging, damaged parts or the tool shall not be handled like garbage. Take those materials to a recycling facility to be treated according to the environment standards.

Troubleshooting

Problem

The blower is not working.

Cause

- There is no power supply.
- The plug is not connected.
- The extension cable is damaged.
- Worn carbon brushes.
- The switch is damaged.
- The motor is defective.

The blower runs intermittently.

Solution

- Check the power supply.
- Connect the plug.
- Replace the extension cable.
- Go to a **TRUPER®** Authorized Service Center.

- The switch is damaged.
- The internal cabling is defective.
- The ventilation driver is blocked with foreign matter.

- Go to a **TRUPER®** Authorized Service Center.
- Turn OFF and disconnect the blower to remove the foreign matter.

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	MORELOS	FIX FERRETERÍAS CAPITÁN ANZURES #95, ESQ. JOSÉ PERDIZ, COL. CENTRO, C.P. 62740, CUAUTLA, MOR. TEL: 735 352 8931
BAJA CALIFORNIA	SUCRASAL TIJUANA AV. LA ENCANTADA, LOTE #5, PARQUE INDUSTRIAL EL FLORIDO II, C.P. 22244, TIJUANA, B.C. TEL: 664 969 5100	NAYARIT	HERRAMIENTAS DE TEPIC MAZATLÁN #117, COL. CENTRO, C.P. 63000, TEPIC, NAY. TEL: 311 258 0540
BAJA CALIFORNIA SUR	FIX FERRETERÍAS FELIPE ÁNGELES ESQ. RUIZ CORTÍNEZ S/N, COL. PUEBLO NUEVO, C.P. 23670, CD. CONSTITUCIÓN, B.C.S. TEL: 613 132 1115	NUEVO LEÓN	SUCRASAL MONTERREY CARRETERA LAREDO #300, 1B MONTERREY PARKS, COLONIA PUERTA DE ANÁHUAC, C.P. 66052, ESCOBEDO, NUEVO LEÓN, TEL: 81 8352 8791 / 81 8352 8790
CAMPECHE	TORNILLERÍA Y FERRETERÍA AAA AV. ALVARO OBREGÓN #524, COL. ESPERANZA C.P. 24080 CAMPECHE, CAMP. TEL: 981 815 2808	OAXACA	FIX FERRETERÍAS AV. 20 DE NOVIEMBRE #910, COL. CENTRO, C.P. 68300, TUXTEPEC, OAX. TEL: 287 106 3092
CHIAPAS	FIX FERRETERÍAS AV. CENTRAL SUR #27, COL. CENTRO, C.P. 30700, TAPACHULA, CHIS. TEL: 962 118 4083	PUEBLA	SUCRASAL PUEBLA AV. PERIFÉRICO #2-A, SAN LORENZO ALMECATLA, C.P. 72710, CUAUTLACINGO, PUE. TEL: 222 282 8282 / 84 / 85 / 86
CHIHUAHUA	SUCRASAL CHIHUAHUA AV. SILVESTRE TERRAZAS #128-11, PARQUE INDUSTRIAL BAFAR, CARRETERA MÉXICO CUAHUTÉMOC, C.P. 31415, CHIHUAHUA, CHIH. TEL: 614 434 0052	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
MEXICO CITY	FIX FERRETERÍAS EL MONSTRUO DE CORREGIDORA, CORREGIDORA # 35, COL. CENTRO, C.P. 06060, CUAHUTÉMOC, CDMX. TEL: 55 5522 5031 / 5522 4861	QUINTAÑA ROO	FIX FERRETERÍAS CARRETERA FEDERAL MZ. 46 LT. 3 LOCAL 2, COL. EJIDAL, CP. 77110 PLAYA DEL CARMEN, Q.R. TEL: 984 267 3140
COAHUILA	SUCRASAL TORREÓN CALLE METAL MECÁNICA #280, PARQUE INDUSTRIAL ORIENTE, C.P. 27278, TORREÓN, COAH. TEL: 871 209 68 23	SAN LUIS POTOSÍ	FIX FERRETERÍAS AV. UNIVERSIDAD #1850, COL. EL PASEO, C.P. 78320, SAN LUIS POTOSÍ, SLP. TEL: 444 822 4341
COLIMA	BOMBAS Y MOTORES BYMTESA DE MANZANILLO BLVD. MIGUEL DE LA MADRID #190, COL. 16 DE SEPTIEMBRE, C.P. 28239, MANZANILLO, COL. TEL: 314 332 1986 / 332 8013	SINALOA	SUCRASAL CULIACÁN AV. JESÚS KUMATE SUR #4301, COL. HACIENDA DE LA MORA, C.P. 80143, CULIACÁN, SIN. TEL: 667 173 9139 / 173 8400
DURANGO	TORNILLOS ÁGUILA, S.A. DE C.V. MAZURIO #200, COL. LUIS ECHEVERRÍA, DURANGO, DGO. TEL: 618 817 1946 / 618 818 2844	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
ESTADO DE MÉXICO	SUCRASAL CENTRO JILOTEPEC PARQUE INDUSTRIAL # 1, COL. PARQUE INDUSTRIAL JILOTEPEC, JILOTEPEC, EDO. DE MÉX. C.P. 54257, TEL: 761 782 9101 EXT: 5728 Y 5102	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
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 / 88	TAMAULIPAS	VM ORINGS Y REPARACIONES CALLE ROSITA #527 ENTRE 20 DE NOVIEMBRE Y GRAL. RODRÍGUEZ, FRACC. REYNOSA, C.P. 88780, REYNOSA, TAMS. TEL: 899 926 7525
GUERRERO	CENTRO DE SERVICIO ECLIPSE CALLE PRINCIPAL MZ 1, LT. 1, COL. SANTA FE, C.P. 39010, CHILPANCINGO, GRO. TEL: 747 478 5795	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
HIDALGO	FERREPRECIOS S.A. DE C.V. LIBERTAD ORIENTE #304 LOCAL 30, INTERIOR DE PASAJE ROBLEDO, COL. CENTRO, C.P. 43600, TULANCINGO, HGO. TEL: 775 753 6615 / 775 753 6616	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
JALISCO	SUCRASAL GUADALAJARA AV. ADOLFO B. HORN # 6800, COL: SANTA CRUZ DEL VALLE, C.P.: 45655, TLAJOMULCO DE ZÚÑIGA, JAL. TEL: 33 3606 5285 AL 90	YUCATÁN	SUCRASAL MÉRIDA CALLE 33 #600 Y 602, LOCALIDAD ITZINCAB Y MULSAY, MPIO. UMÁN, C.P. 97390, MÉRIDA, YUC. TEL: 999 912 2451
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		

Code	Model	Brand
103019	SOPLA-650	TRUPER®

Warranty. Duration: 1 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, present the product, stamped policy or invoice or receipt or voucher, 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. It includes the costs of transportation of the product that derive from its fulfillment of its service network. . 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:

