

Manual

Pneumatic stapler

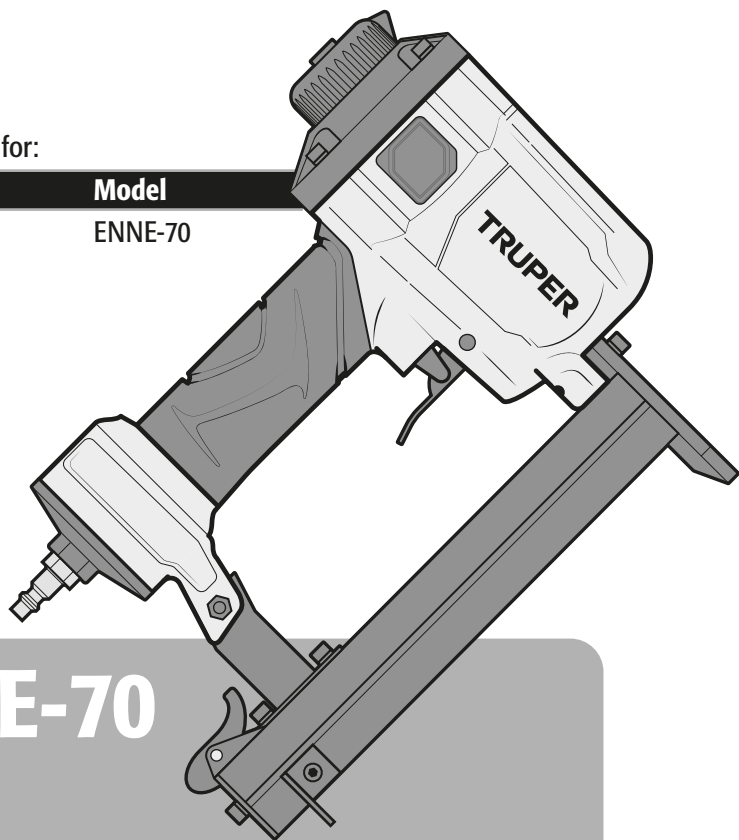
Applies for:

Code

13177

Model

ENNE-70



ENNE-70



WARNING

Constant lubrication.






CAUTION



Read this manual thoroughly
before using the 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.


Use and care recommendations

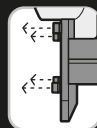
 Do not operate without lubrication (it is recommended to use the TRUPER lubricating filter **19238** UNI-LL-1/4).



 Use only in **WOOD**.



 Work at the **INDICATED PRESSURE** to prevent staples from clogging. In case this happens **REMOVE THE STAPLE** before continuing working.



 Perform periodic **MAINTENANCE** to your machine (page 9).

ENNE-70

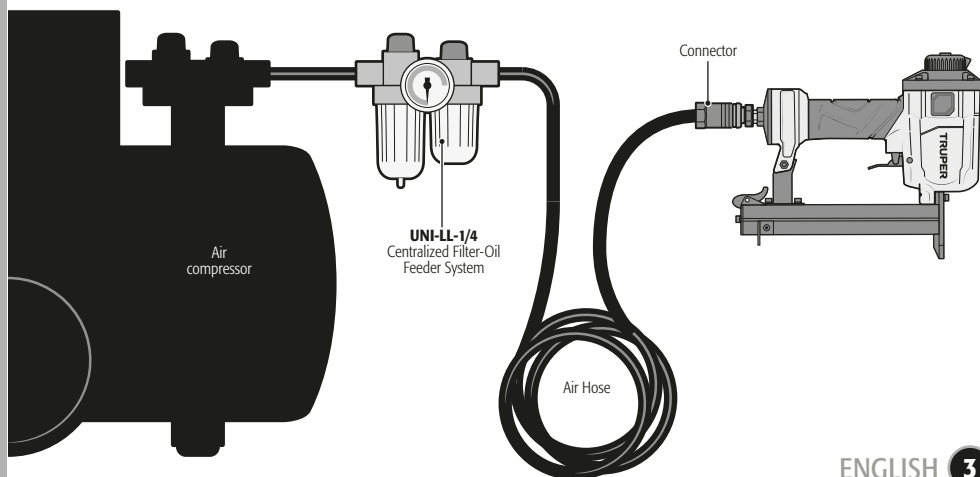
Code	13177
Description	Pneumatic stapler
Recommended operation pressure	75 PSI- 110 PSI
Air consumption	1.17 CFM @ 90 PSI (33.1 L/min @ 620 kPa)
Maximum pressure allowed	110 PSI
Cartridge capacity	100 staples
Staple gauge	22
Staple Crown	3/8"
Staple length	1/4" to 5/8"
Air intake connection	1/4 NPT
Hose inner diameter	3/8"

CAUTION An increase in the pressure in the line or the inner diameter in the hose diameter shall be considered to compensate the use of very long hoses (longer than 26.2 ft). The hose minimum inner diameter shall be 3/8" and the connectors shall be 1/4 NPT. Use good quality couplings and accessories with the right size.

Filter and lubrication requirements

CAUTION Dust, water and oil specific for using in pneumatic tools are the main cause of potential flaws with the tool. We recommend installing a **TRUPER** Brand **UNI-LL-1/4** centralized filter-oil feeder system. This system assures lubrication reducing 80% oil consumption significantly increasing the air quality the operator breaths.

- The filter-oil feeder system must be regulated to administer 3 to 6 drops a minute.
- Drain the water in the air compressor tank and also condensation in the hoses before using the tool. Consult the air compressor instructions.





Safety warnings for pneumatic tools



Keep your work area clean, tidy and well lit.

CAUTION Cluttered and dark areas can cause accidents.



Never use the tool in explosive environments or in the presence of flammable liquids or with no ventilation.

DANGER Sparks generated by the tool could cause explosion or fire.



Keep children and other people at a safe distance while using the tool.

WARNING Distractions can make loose control and cause accidents.



Avoid making contact with power lines and circuits.

DANGER Place an avoid power lines and circuits especially hidden wiring including grounded objects.



Stay alert, be cautious and use common sense.

CAUTION Familiarity with the use of the tool could distract you while operating it. This can cause accidents.

Do not use the tool if tired or under the influence of drugs, alcohol or medication.

DANGER A moment distraction while using the tool can cause severe personal injury.

Use the tool with its pieces in place and in good repair.

WARNING Failure to comply with this instruction can expose you to severe injury.

Secure and support correctly the work piece.

CAUTION Use vices and a stable work surface.

Never force the tool.

CAUTION Working within the tool design range assures a better and safer job.



Store the tool in a safe place away from children reach.

WARNING Pneumatic tools are dangerous in inexperienced hands.



Wear the right clothing.

WARNING Loose clothing, jewelry or long hair can get caught in the moving parts.



Keep hands away from the moving and / or rotating parts.

WARNING Failure to comply with this warning expose you to severe personal injury such as cuts, burns and crushing.



Wear the adequate personal protection equipment.

CAUTION Use of eye protection, dust mask, anti-squid safety shoes, and protection helmet and safety gloves considerably reduce risk of injuries.



Disconnect the air hose from the tool before servicing or changing accessories.

CAUTION To prevent the tool from accidentally start and cause accidents.

Never use the tool if the switch is not working or if it is not correctly assembled.

WARNING Using the tool in disrepair expose you to severe personal injury. Repair immediately in a TRUPER Authorized Service Center.

Do not overreach.

WARNING Good footing and balance allow having better control on the tool in unexpected situations.

Never pull the air hose.

CAUTION Do not use the hose to carry the tool or disconnect it from the air supply. Damaged or tangled hoses may burst and shoot residues towards the operator.

Prevent accidentally starting of the tool.

WARNING Double check the air intake is disconnected before lubricating, setting accessories or servicing the tool.



Remove all the vices before starting the tool.

WARNING Additional tools, or vices set onto a rotating piece in the tool may cause severe personal injury.

Service the tool and verify it is in excellent conditions before using it.

DANGER Double-check carefully all the mobile parts, alignment and assembly. Do this inspection regularly. Look for any damaged element or malfunctioning part. Replace immediately in a TRUPER Authorized Service Center.



Accessories.

CAUTION Use only accessories or spare parts indicated in this manual or certified by TRUPER.

Never leave the tool running unattended.

CAUTION Disconnect the tool from the air supply after operating and before storing in a safe place to prevent accidents.

Risk control

when using pneumatic tools

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Injury risk to head and eyes



⚠ WARNING • Compressed air used with pneumatic tools may be dangerous. Objects like vices, burrs, splinters, dust and other residues can get shot out at great speed driven by the airflow and enter your eyes or hit your head. Airflow by itself can cause damage on soft tissues in eyes, ears, etc.

⚠ CAUTION • The tool attachments may come free or break, sending debris towards the operator or those working nearby.

Prevent injury to head and eyes

- When operating pneumatic equipment wear protecting eyeglasses complying with ANSI Z87.1 Standard. As an additional protection wear a mask.
- Never aim the airflow to people or animals.
- Disconnect the air hose from the tool when not in use.
- Never leave the tool unattended when connected to the air inlet.
- Before using the tool verify all the parts and accessories are securely fastened.



Risk of explosion



⚠ WARNING • Inadequate handling of pressure in pneumatic equipment may cause an explosion and severe injury. Also, using any different gas from compressed air causes explosions.

Preventing an explosion

- Before using the tools double-check that the compressed air supply is regulated to the tool specified pressure and it not goes over that level.
- Never connect the tool into a pressure supply exceeding 200 PSI, neither oxygen nor any other bottled gas, combustible or reactive.
- Use clean, dry and regulated compressed air with pressure between 75 PSI and 110 PSI.

Hearing loss risk



⚠ WARNING • Being exposed to noise generated by pneumatic tool during long periods of time may damage permanently hearing and cause hearing loss.

Preventing hearing loss

- When operating pneumatic equipment always wear hearing protection complying with ANSI S3.19 Standard.



Risk of injury



⚠ WARNING • Damaged hoses may burst and cause severe injury or hearing loss.

Preventing injuries

- Do not mistreat the hose or connectors.
- Keep the hose away from sharp or abrasive surfaces.
- Disconnect the hose when loading the cartridge.
- Never use the hose to carry the tool.
- Never pull the hose to disconnect the tool.
- Do not expose the hose to heat, oil or solvents.
- Before operating the tool, verify that the hoses are not damaged.
- Use hoses that can handle at least 150 PSI or 150% of the system maximum pressure, whichever is higher.

• Vices can get unfastened and get projected causing severe injury or damage to property.

• Double-check all connections are securely installed.

• Tools that start unexpectedly may cause severe injury.

- Never carry the tool by the trigger.
- Disconnect the tool air hose when not in use.
- Never leave the tool unattended when connected to the air supply.

• Tools and accessories with no maintenance may cause severe injury.

- Keep all tools clean. A clean and lubricated tool works more effectively and is easier to control.
- All repairs can only be carried out in a TRUPER Authorized Service Center.

• Damaged and banged tools and accessories may cause severe injury.

- Do not use damaged or banged tools or accessories.

Before using the stapler

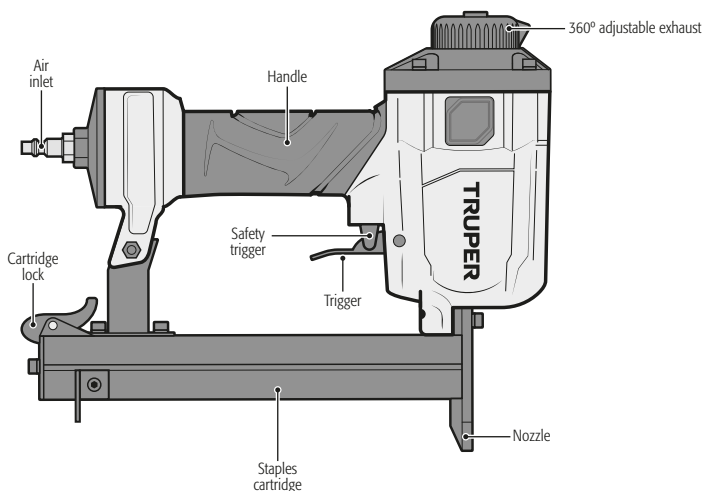
- To prevent possible injuries, the operator and any other person in the work area shall wear safety glasses with side protection as well as protective helmets in compliance with the Official Mexican Standards (NOM).
- Inspect the tool. Never operate a tool if the lock, the trigger or the springs are not operating; are damaged or lost. Do not make any modification to the lock, trigger or springs.

While using the stapler

- To prevent accidental shots keep your fingers away from the trigger when the tool is not been used.
- Do not point the tool towards your body, people or animals.
- Disconnect the tool from the air supply before loading staples to prevent accidental firing of a staple during the connection process.
- Do not try to insert a staple on the edge or near the edge of the work piece. If the piece breaks or separates, it would shoot the staples with enough power to cause injury.
- Only shoot staples towards a surface. Never shoot towards surfaces that are hard to penetrate, on top of another staple, or while holding the tool at a steep angle. Doing so could cause the staples to bounce back, posing a severe risk of injury to the operator.
- Do not try to load staples when the trigger is pressed. This may cause staples to be shot unexpectedly.
- When moving the tool, only hold it by the handle. Never activate the trigger while moving. Never carry the tool holding it by the hose or pulling the hose to move the tool.

After using the stapler

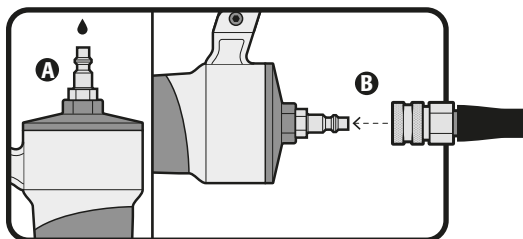
- Disconnect the stapler from the air supply before carrying out any maintenance or unblocking job when leaving the work area or if giving it to another operator.



Setup

Air Supply Connection

- Before connecting to the tool, connect the hose to the compressor and let some air run through the hose and coupling, to verify both are clean.
- If a filter-oil feeder similar to the one recommended in page 3 is not available apply a few drops of oil suitable for tools into the air inlet (A).
- Connect the air hose to the tool with an empty cartridge using a fast coupling (B). **CAUTION** Before connecting the hose to the tool double check the staple cartridge is empty.
- The fast coupling is very useful to quickly connect and disconnect the tool and interchange them easily.

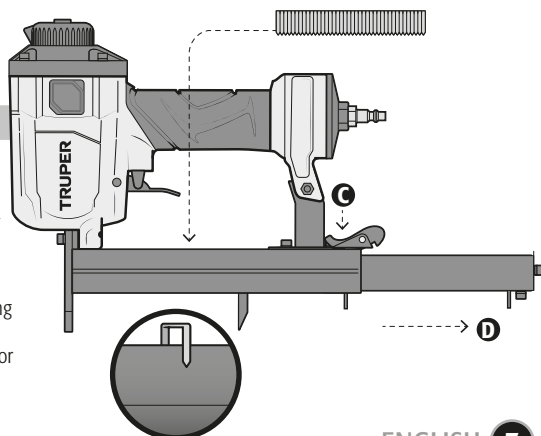


Cartridge Loading

- Disconnect the air hose from the tool.
- Check there are no staples jammed in the cartridge.
- Open the stapler's cartridge pressing the cartridge lock (C) and pulling backwards the cartridge cap (D).
- Place the staples onto the open cartridge rib and push them forward as indicated in the illustration.
- Set the staples onto the cartridge rib with the legs facing downwards.

CAUTION Double check the staples are not dirty or damaged.

- Close the cartridge pushing the cover. Block it with the cartridge lock.



Operation

- Turn on the compressor and fill it.
- Regulate the air compressor output pressure to 75 PSI and 110 PSI

⚠ WARNING The tool operates with this pressure range. If operating with a higher pressure ranges the useful life of the tool will be decreased.

- Load the cartridge as indicated on page 7.

⚠ CAUTION • Use a piece of scrap wood to verify the tool works correctly.

- Not putting your finger on the trigger position the tool and press the contact lock against the surface to be used **(A)**.

- Without lifting the tool press the trigger to shoot **(B)**.

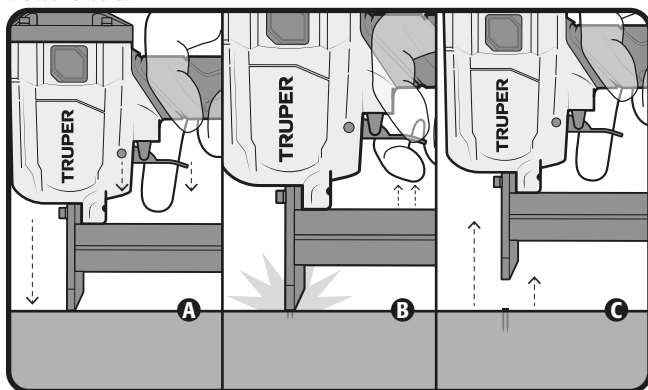
- Immediately release the trigger and lift the tool **(C)**.

- Position the tool back for subsequent shots.

- In case the staples are not penetrating deep enough, slightly lift the air pressure until reaching the right penetration force.

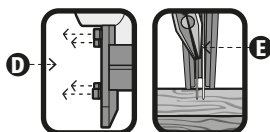
⚠ WARNING Remember not to exceed 110 PSI

⚠ CAUTION Be sure to set the safety lock so that the trigger of the tool is locked.



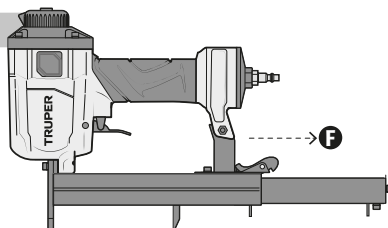
Jammed staple in the nozzle

- Disconnect the tool from the air supply.
- Open the nozzle **(D)** and pull the staple using pliers until removed **(E)**.



Jammed staple in the cartridge

- Disconnect the tool from the air supply.
- Open the cartridge **(F)**.
- Remove the jammed staple with pliers.
- Close the cartridge.



Lubrication

• Pneumatic tools require constant lubrication all along their working life and while operating. The compressed air the tool needs to function contains humidity that can oxidize the tool's motor and bearings.

To prevent that possibility it is necessary to constantly administer lubricating oil delivered by a TRUPER.

Brand **UNI-LL-1/4** centralized filter-oil feeder system installed between the air compressor and the tool.

⚠ WARNING • The exhaust immediately expels any excess oil in the motor. Always keep the exhaust free of obstructions and never point it to people or objects.

• If the tool is not going to be used long periods of time it should be carefully lubricated.

• After each 60 hours operation the tool mechanism needs greasing. Keep in mind that grease in excess may diminish power

Service

• Servicing the tool shall be carried out every 3 months in a TRUPER Authorized Service Center. Maintenance service carried out by a non-qualified person may be dangerous and cause personal injury. It also makes the Warranty void.

• Problems with the tool due to lack of recommended dosed lubrication, to fail in following instructions given in this MANUAL or repairs carried out by personnel not certified by TRUPER will not be covered in the Warranty. We reserve the right to make technical improvements without previous notice.

Troubleshooting

Problem

Cause

Solution

Air leak in the upper side of the tool or in the trigger area.

- Loose screws.
- Worn "O"-rings or damaged seals.
- Inadequate lubrication.

- Fasten all the screws.
- Go to a TRUPER Authorized Service Center to replace the parts.
- Lubricate following the instructions on page 7.

The tool is not operating or goes to slow.

- Inadequate air supply.
- Inadequate lubrication.
- Worn "O"-rings or damaged seals.

- Regulate the air feeding pressure.
- Lubricate following the instructions on page 7.
- Go to a TRUPER Authorized Service Center to replace the parts.

Leak in the lower side of the tool.

- Loose screws.
- Worn "O"-rings or damaged seals.

- Fasten all the screws.
- Go to a TRUPER Authorized Service Center to replace the parts.

The tool gets blocked frequently.

- Wrong staples.
- Damaged staples.
- Loose cartridge or nozzle screw.
- Dirty cartridge.
- The shooting mechanism is damaged or worn.

- Check the staples have the right size.
- Replace with staplers in good repair.
- Fasten the screws.
- Clean the cartridge.
- Go to a TRUPER Authorized Service Center to replace the parts.


Other problems.

- Diverse reasons.

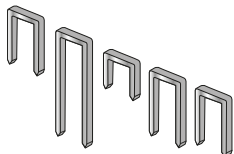
- Go to a TRUPER Authorized Service Center to replace the parts.

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Replacements

Replacement	Code	Item
 Replacement Piston	13690	PI-ENNE-70

Available Consumables

Available Consumable	Code	Item	Length
	18282	GRANEU-3/8-6	1/4" (6 mm)
	18283	GRANEU-3/8-8	5/16" (8 mm)
	18284	GRANEU-3/8-10	3/8" (10 mm)
	13245	GRANEU-3/8-13	1/2" (13 mm)
	13246	GRANEU-3/8-16	5/8" (16 mm)

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.

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GRAL. BARRAGÁN #1201, COL. GREMIAL, C.P. 20030,
AGUASCALIENTES, AGS. TEL.: 449 994 0537

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TEL.: 999 912 2451

Model	Code	Brand
13177	ENNE-70	TRUPER

Warranty. Duration: 2 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:

