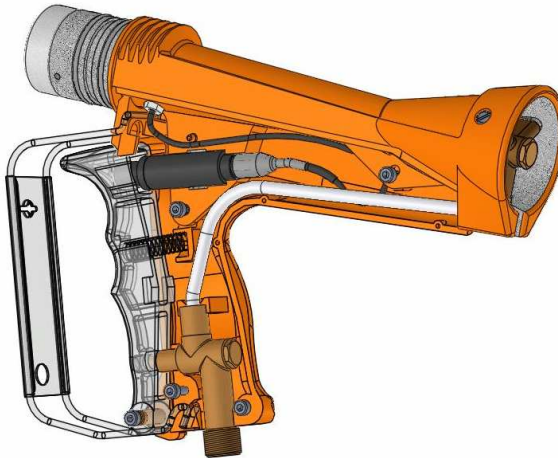




## DISTRIBUTOR'S MAINTENANCE GUIDE



### **RESERVED EXCLUSIVELY FOR DISTRIBUTORS OF RIPACK 2200 NOZZLES**



**Supplementary notice to the  
user's instructions supplied with  
the nozzle**

**RIPACK 2200 is a product from RIPACK - F 33187**

# CONTENTS

<b><u>IMPORTANT NOTES</u></b>	<b><u>3</u></b>
<b><u>OPERATION</u></b>	<b><u>7</u></b>
<b><u>CONNECTIONS</u></b>	<b><u>8</u></b>
<b><u>SPARE PARTS</u></b>	<b><u>10</u></b>
<b><u>USER MAINTENANCE</u></b>	<b><u>11</u></b>
<b><u>NETWORK SPECIALIST MAINTENANCE</u></b>	<b><u>15</u></b>
<b><u>WARRANTY</u></b>	<b><u>26</u></b>

## IMPORTANT NOTES

**YOU MUST READ THESE INSTRUCTIONS BEFORE USING THE APPLIANCE.**

### SAFETY PRECAUTIONS

1. **Do not use this appliance in regulated zones where there is a specific risk of fire or explosion.**
2. **Limit a working zone that is large enough to ensure that the nozzle of the gun is always at a minimum distance of 1.5 m within this zone and indicate that access to this zone is forbidden for all other persons.**
3. **Always have a suitable fire extinguisher of an appropriate size within reach.**
4. **Wear gloves when using the appliance and never wear garments that are easily inflammable such as nylon or similar fabrics.**

This appliance is meant **exclusively** for professional use and for shrinking plastic films.

Users of the RIPACK 2200 shrink gun must read this user's guide completely and must be trained for the applications that require the use of this appliance.

This user's guide must be kept for future reference.

Do not use this appliance for shrinking plastic film on materials, substances, products or liquids that inflame spontaneously, either processed in bulk or packed, and do not use the appliance in the storage areas of these products or in spaces where it is explicitly forbidden to smoke for safety reasons.

Do not use this appliance for shrinking plastic film on a floor that is made of combustible material (wood, plastic, etc.).

Close the valve of the gas bottle when not in use for long periods of time.

Press the trigger to empty the gas hose and release the pressure.

Never heat a specific area continuously.

Keep the working zone clean and remove all waste (wood, paper, other inflammable materials).

For all work inside professional workshops, the gas bottle must be placed on a mobile trolley that can be manoeuvred easily.

This appliance, like all other gas appliances, consumes air and produces combustion fumes that contain CO<sub>2</sub> and CO. Exposure to high concentrations of the latter gas is lethal. Make sure there is sufficient ventilation in accordance with the amount of time the appliance is used (see "Technical Characteristics").

We recommend that the appliance be used in a room without specific pollution which has a minimum volume of 16 m<sup>3</sup> (fresh air flow: 48m<sup>3</sup>/h).

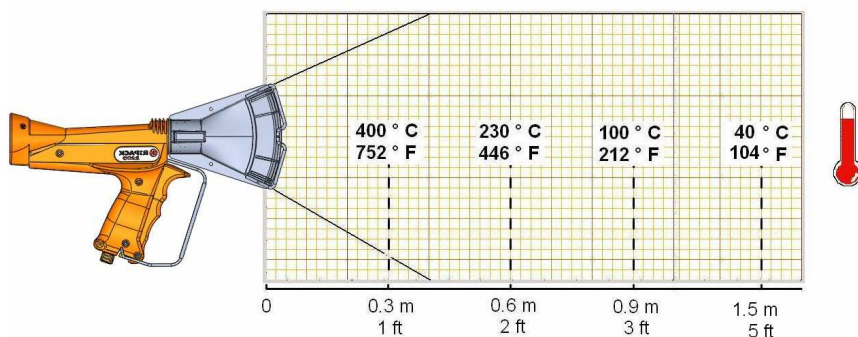
Never work in a basement.

Before using the appliance, make sure that you are conforming to the guidelines for using liquid gas.



In operation, this appliance produces a flame. Do not point the flame towards yourself, other persons or animals, towards the gas bottle or the hose, or towards inflammable materials.

In operation, the appliance creates a **danger zone up to 1.5 metres (5 feet)** in front of the fire nozzle.



We draw the attention of operators to the fact that within the danger zone, there is a possible risk of burning for persons and animals, and goods can be damaged or catch fire.

This appliance, which is designed for applying plastic films by heating, can also be used for other purposes where the products can withstand the heat produced by a naked flame. Such use is explicitly the responsibility of the user. The manufacturer's guidelines of the product that is being handled must be followed at all times. In addition, the national, federal and local regulations with regard to the operation of appliances with a naked flame must also be respected.

To operate the appliance safely, you must follow the warnings mentioned above as well as the guidelines provided by the manufacturer of the materials being handled. The safety distance, the duration of exposure and the adjustment of the appliance for the different materials being handled, depend on the instructions provided by the manufacturer of the materials in question.

### SAFETY MARK

Your RIPACK 2200 has been awarded the **GS** mark for "Geprüfte Sicherheit" (Safety Tested) **following its approval with regard to European DVGW directives and standards** under number DG-2218AO0726 (93e054).

Your RIPACK 2200 can be stamped with the EC marking by virtue of its compliance to the European Directive 90/396/EC "Appliances burning gaseous fuels".

The RIPACK 2200 propane works with propane according to the principle of atmospheric air burners induced at high speed (diagram B).

Ignition is performed using a piezoelectric lighter that is activated simultaneously with the release of gas activated by the trigger, which is the sole operating mechanism.

The RIPACK 2200 is a gun incorporating several **safety mechanisms**.

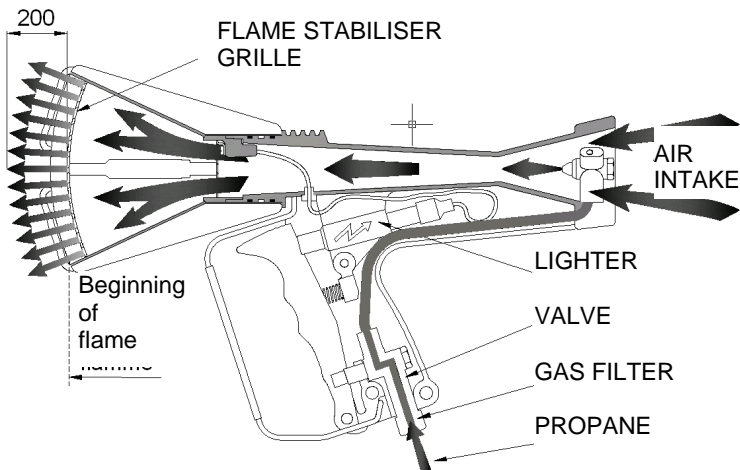
- Its original and patented design ensures combustion without heating of the combustion nozzle (**cold nozzle**).
- A **security valve** system cuts off the gas supply in the event that the hose breaks or tears.
- An automatic safety device (so-called dead man's switch) cuts the supply of gas automatically if the trigger is released. This **stops the heating immediately**. This dead man's device must never be blocked in the open position in any way.
- A **guard in front of the trigger** prevents untimely operation.

## PROPANE GAS APPLIANCE

### - TECHNICAL CHARACTERISTICS:

	SI system		
pressure (bars)	1.5	to	3.5
power (kW)	40	to	72
consumption (kg/h)	2.9	to	4.9
air intake (m <sup>3</sup> /h)	35	to	63
CO emission in % vol	0.0046	to	0.0019
CO <sub>2</sub> emission in % vol	2.5	to	3.6
noise levels	<85 dbA		
length	36 cm		
weight	1,160 g		
energy source	propane		
other energy source	natural gas with adaptor kit		

	Anglo-Saxon system		
pressure (psi)	21	to	50
power (btu/h)	136,000	to	245,000
consumption (lbs/h)	6.4	to	10.8
air intake	1,200 cu.ft/h	to	2,200 cu.ft/h
CO emission in % vol	0.0046	to	0.0019
CO <sub>2</sub> emission in % vol	2.5	to	3.6
noise levels	<85 dbA		
length	14 inches		
weight	2.55 lb		
energy source	propane		
other energy source	natural gas with adaptor kit		



## OPERATION

Before operating the appliance you must read all the warnings mentioned above and make sure that using the appliance is not forbidden by the manufacturer of the materials that you are going to handle.

**With this appliance you must use the ORIGINAL hose and SECURIPACK that were supplied.**

### FORBIDDEN FOR ALL USES



#### **LIQUID PROPANE GAS**

(e.g. Fuel for forklift truck)

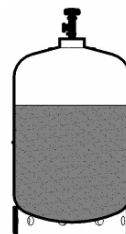


#### **BOTTLE ON ITS SIDE**



The RIPACK 2200 works with **PROPANE gas** in **gas phase**, contained in bottles of different capacities.

Use the largest possible bottles available.

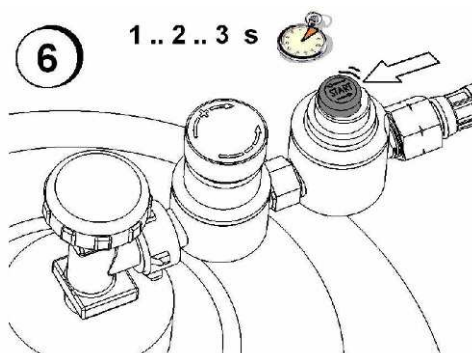
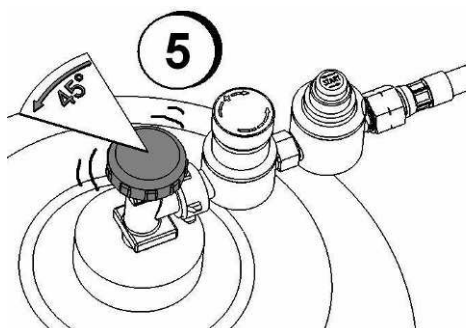
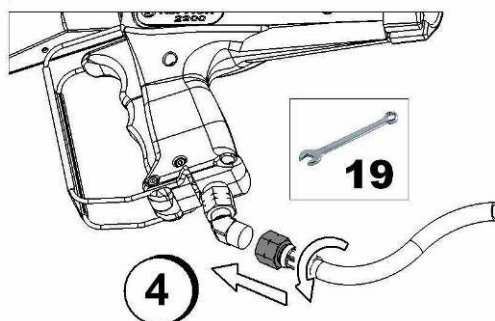
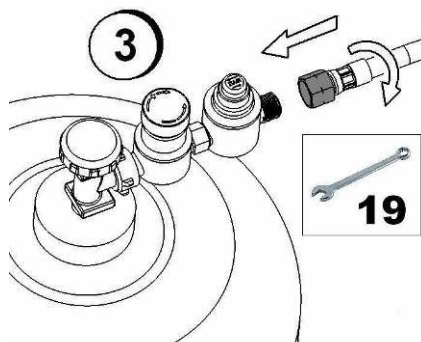
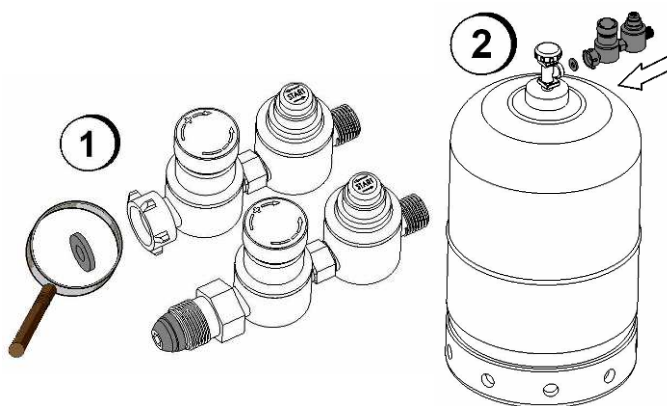


Always connect and disconnect the bottles a long way from any flames and ignition points.

For all work inside professional workshops, the bottle must be placed on a mobile trolley that can be manoeuvred easily.

## CONNECTIONS

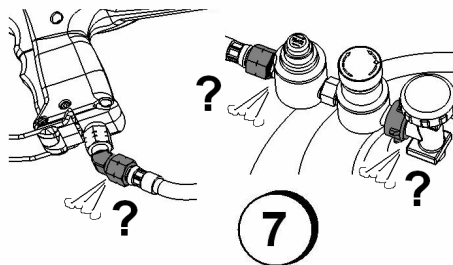
Before connecting the SECURIPACK to the gas bottle, make sure the sealing gasket is positioned correctly for systems using this type of joint. In other cases, make sure the fitting is clean.



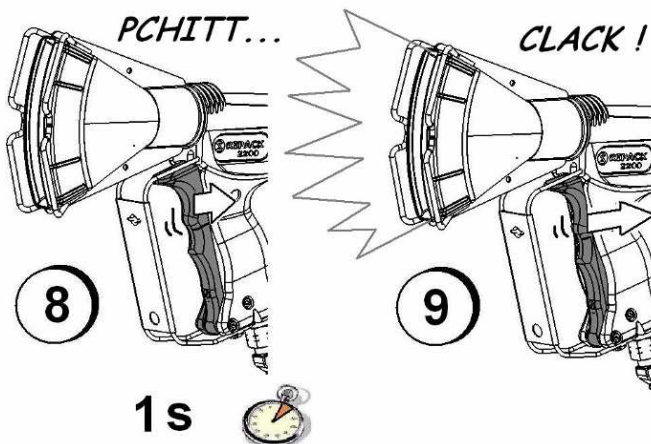


## TIGHTNESS:

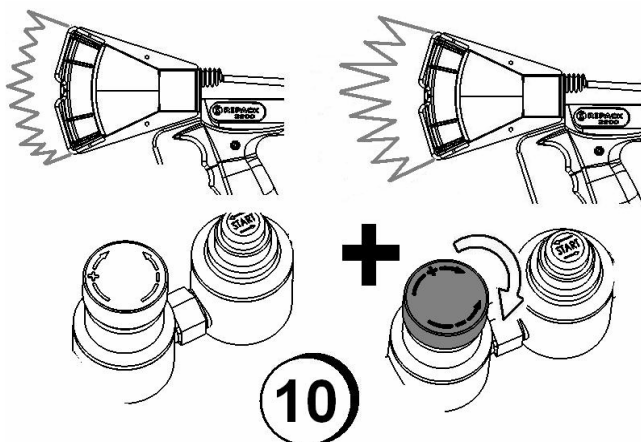
Use a bubble spray or some soapy water to check that there are no leaks in the **parts** that have been **screwed together** (bottle, hose and gun connections).



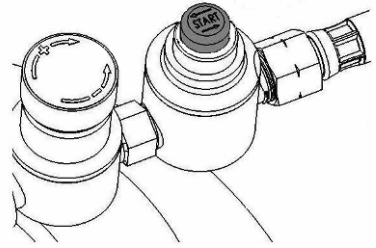
## IGNITING THE RIPACK 2200



## POWER KNOB



The SECURIPACK automatically cuts off the supply of gas if the pressure drops below the minimum level necessary for the normal efficiency of the work.



This is the case when:

- The bottle is nearly empty (the gun can only be used for a few more minutes at reduced power: change the bottle);
- The temperature of the bottle has dropped after intensive use (icing): if this is the case, change the bottle temporarily or wait until the normal pressure returns, especially if you are working outside (0°C / 30°F and colder).

## **NEVER HEAT A GAS BOTTLE WITH A FLAME**

**WHEN YOU HAVE FINISHED  
WORKING, ALWAYS CLOSE THE  
GAS BOTTLE VALVE AND EMPTY  
THE HOSE BY PRESSING THE  
TRIGGER.**



## **SPARE PARTS**

**THE COMPANY RIPACK  
SHALL NOT BE HELD  
LIABLE IN THE EVENT  
THAT THE GUN IS  
DISMANTLED**

**Contact your dealer if the  
Ripack 2200 needs to be  
dismantled**

Only the procedures  
described in the  
maintenance chapter are  
authorised

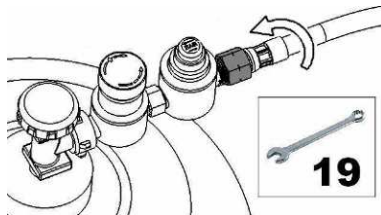


## USER MAINTENANCE

### ***Verification of the SECURIPACK:***

The correct functioning of the safety mechanism must be checked for hose rupture (incorporated in the SECURIPACK) at least every 500 hours or every three months. This is to be performed as follows:

- Go outside, a long way from any flame source, sparks and any objects that ignite.
- Apply pressure to the appliance. With the spanner supplied, loosen the connecting nut of the hose and unscrew completely: the gas supply will now be cut off automatically.



### ***Verification of the RIPACK 2200:***

- DAYLY before starting to work:

1 Check the condition of the hose along its whole length and at the fittings.

We recommend that you replace the hose in the following cases:

- When a visual inspection has revealed damage (cuts), even if the damage is superficial.
- Every 3 years if used intensively.
- At the latest 5 years after first use.

Note: The date on the hose is the manufacture date.

**Only use a replacement hose supplied by RIPACK with its original fittings!**

2 Check as follows that the dead man's safety mechanism works correctly:

When you are not working, follow the procedure described in steps 8 and 9 of the chapter "Operation/igniting the RIPACK 2200" and release the trigger immediately. The nozzle will go out immediately.

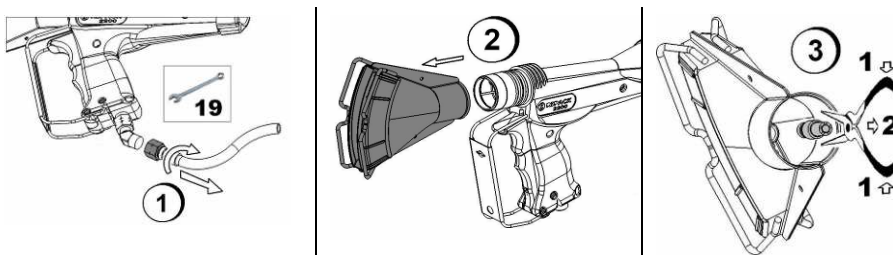
## Cleaning

Frequency:

Non-polluted environment: Every 500 hours.

Polluted environment: As soon as it is noticed that there is a reduction in power.

### CLEANING THE NOZZLE GRILLE:



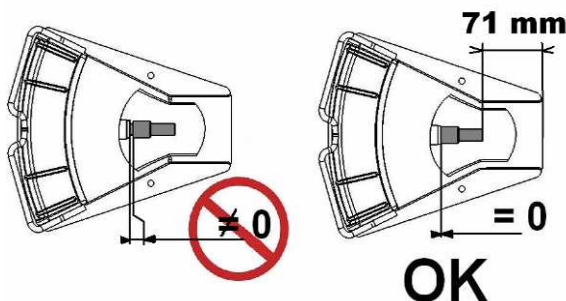
- Place the nozzle for a few minutes in a dry petrol bath (e.g. F petrol) to make sure the various tightness systems are not damaged. Grease products (e.g. oil) are not recommended because they attract impurities afterwards.

### **NEVER USE ANY OTHER DEGREASING PRODUCTS FOR CLEANING.**

- Clean the inside and the outside of the nozzle grille with a paintbrush or a hard brush.
- Clean the receiving tube of the spark plug.
- Rinse it again and apply compressed air (block the hole on the grille side intermittently for intensive blowing of the inside of the receiving tube).

Put the spark plug back into position and check that it is pressed far enough.

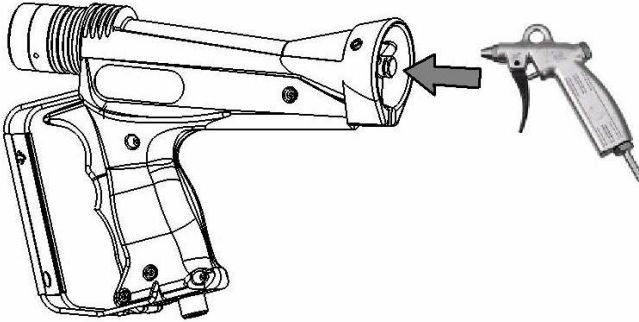
Incorrect positioning may cause the electric contact of the spark plug to deteriorate.



### CLEANING THE VENTURI:

The venturi must be cleaned in dry condition.

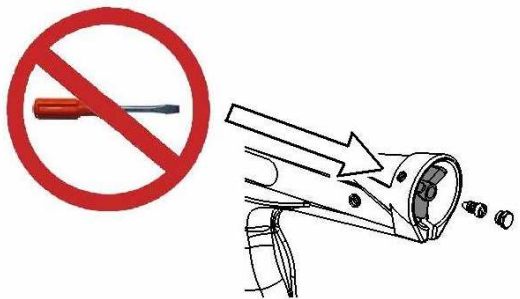
- Clean the venturi with a paintbrush or a hard brush.
- Apply compressed air in the direction of the injector/nozzle to avoid polluting the injector.



Test the operation by performing the procedures in the chapter "Operation". If the gun has not regained its full power, clean the injector.

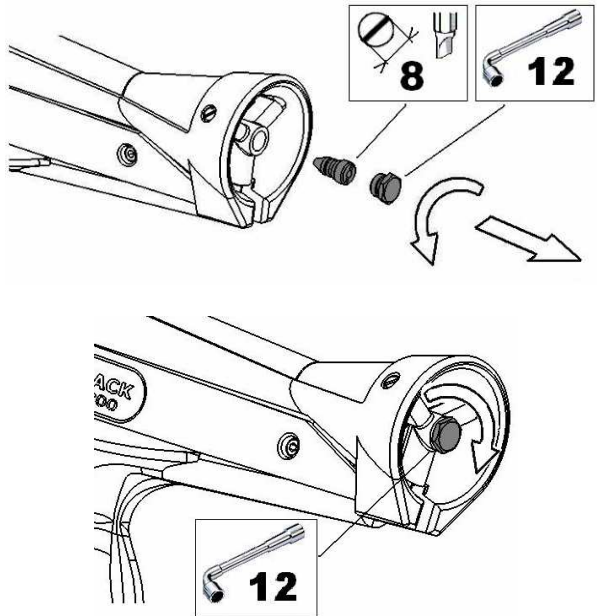
### CLEANING THE INJECTOR

**WARNING:** Do not dismantle the injector support (2 screws with slotted head).



**Note:** The injector support is aligned in the factory with special tools in order to obtain maximum efficiency of the flame.

- Dismantle the throttle with a number 12 spanner.
- With a special screwdriver, remove the injector, put it down, rinse it with petrol and blow out.
- Reassemble the injector after you have dried the sealing gasket on top.
- Fasten the injector without forcing it.
- Carefully reassemble the throttle by screwing it all the way on and make sure the hexagon is flat on the injector support.
- Test the operation by performing the procedures in the chapter "Operation".



## MAINTENANCE OF THE FITTINGS

Lubricate the fittings with type B2 grease (synthetic) or type C3 (mineral).

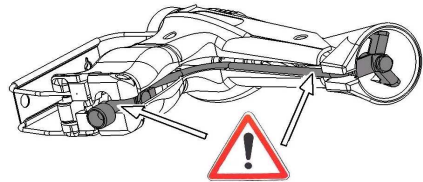
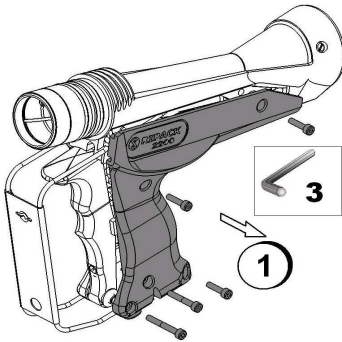
Note: Sealing product NBR.



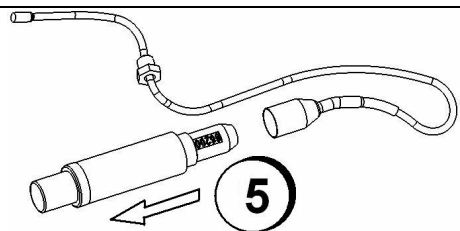
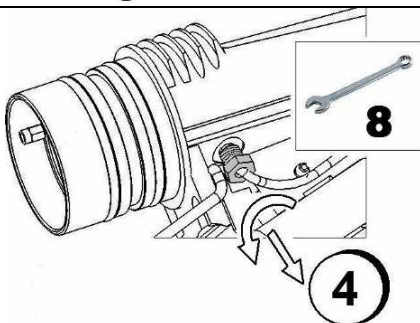
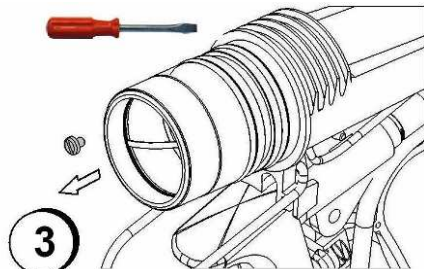
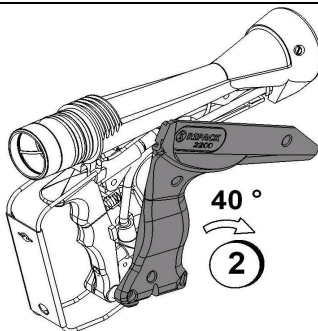
## NETWORK SPECIALIST MAINTENANCE



### ELECTRICAL SUPPLY DISMANTLING



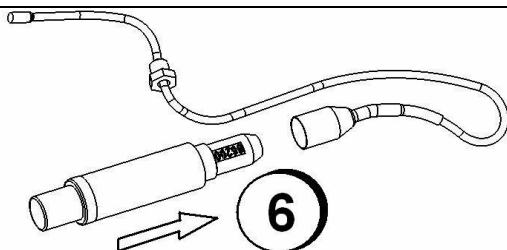
When lifting up the upper half handle by about 10 mm, be careful to keep the valve applied in the lower half handle.



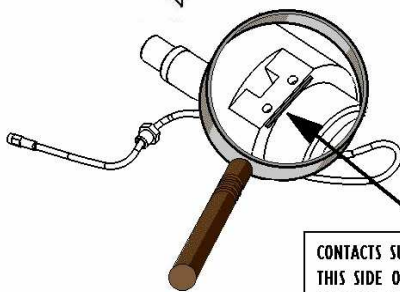
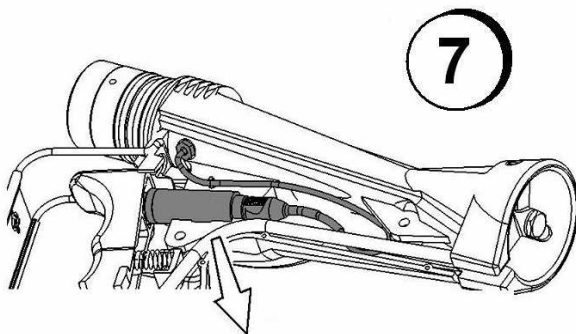
Change worn parts if required (e.g. piezoelectric igniter 21).



## ELECTRICAL SUPPLY REASSEMBLY



Proceed in  
reverse order  
to the  
dismantling



CONTACTS SUR CORPS METAL.  
THIS SIDE ON METAL. BODY  
KONTAKT AUF METALLKÖRPER



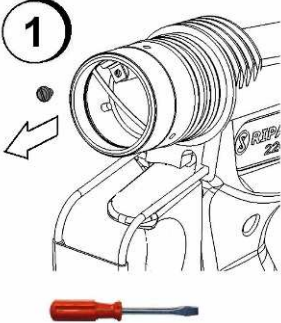
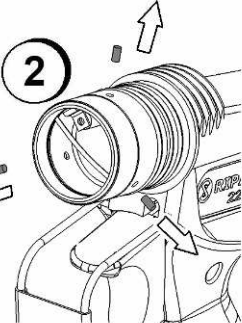
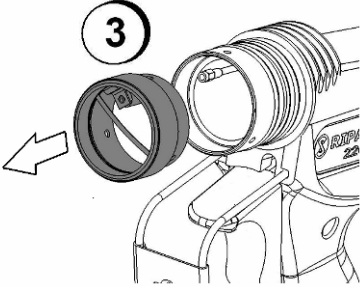
Be careful to  
comply with  
the direction  
of the piezo  
when  
reassembling  
to ensure  
electrical  
continuity  
through the  
metal body  
(grounding)





## BUSHING DISMANTLING

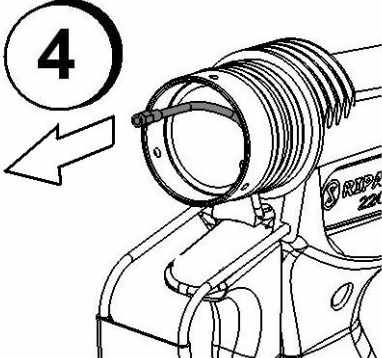


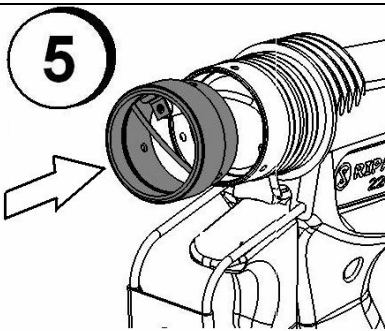
 	<p>Wherever possible, use a pair of bent nose pliers to remove the pins from the outside (the pins are conical) Otherwise, use a drift punch to push them towards the inside</p>
	<p>The bushing is slightly conical; therefore it may swell during dismantling</p>



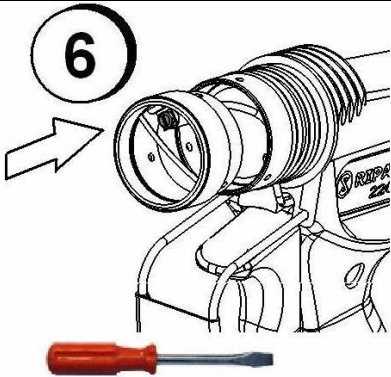
## REASSEMBLY



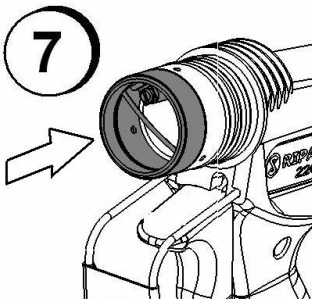
	<p>The wire is long enough to pull lightly to facilitate the next step</p>
---	--



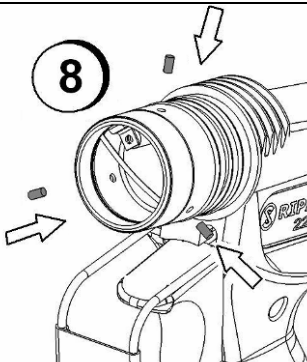
Insert the hexagonal end of the wire  
into the bushing  
(Follow the angular direction)



Screw in the end of the wire



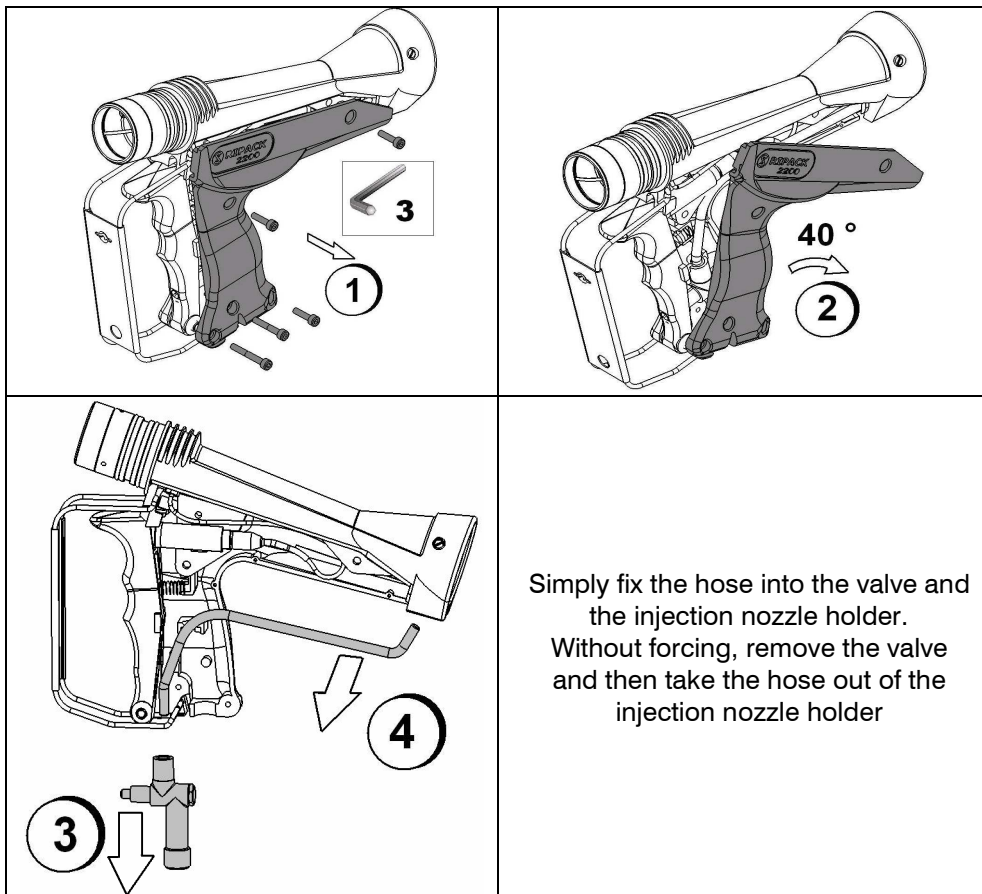
Place the bushing back by aligning  
the pin holes  
If using a new bushing, fit it to the  
stop, being careful to follow the  
angular direction.  
Drill into the bushing with a 2.5 mm  
drill, using the existing holes as a  
guide



Replace the pins in the housing until  
they are flush

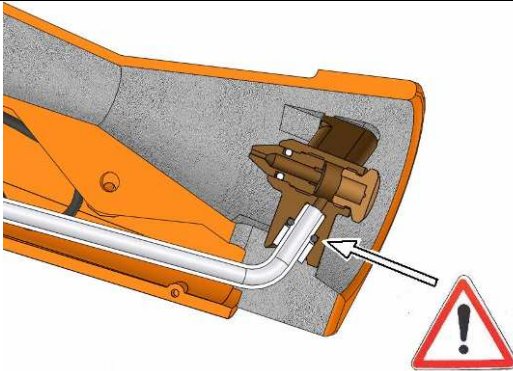


## GAS SUPPLY DISMANTLING

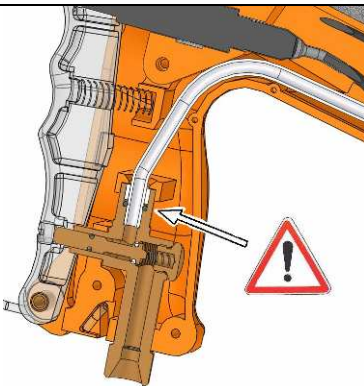




## GAS SUPPLY REASSEMBLY

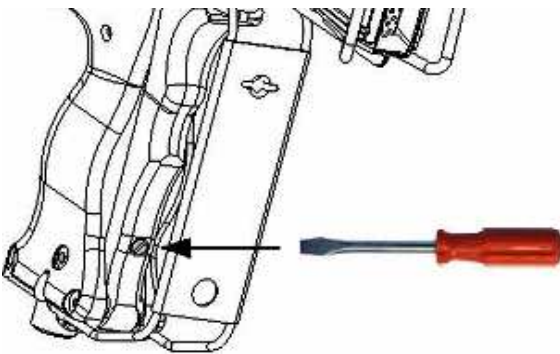


Be careful not to damage the O-ring seal when replacing the hose. We recommend that you lightly grease the O-ring to facilitate reassembly



Be careful not to damage the O-ring seal when replacing the valve. We recommend that you lightly grease the O-ring to facilitate reassembly

**YOU MUST CHECK THE SEAL EACH TIME YOU CARRY OUT ANY WORK ON THE GAS CIRCUIT.**

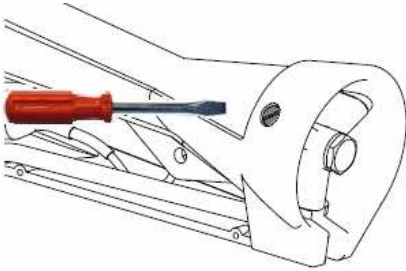


Check that the nozzle is working correctly. If adjustment is needed after you replace the valve, proceed as follows:

Tighten the screw in contact with the valve piston to eliminate the handle play.



## INJECTION NOZZLE HOLDER DISMANTLING



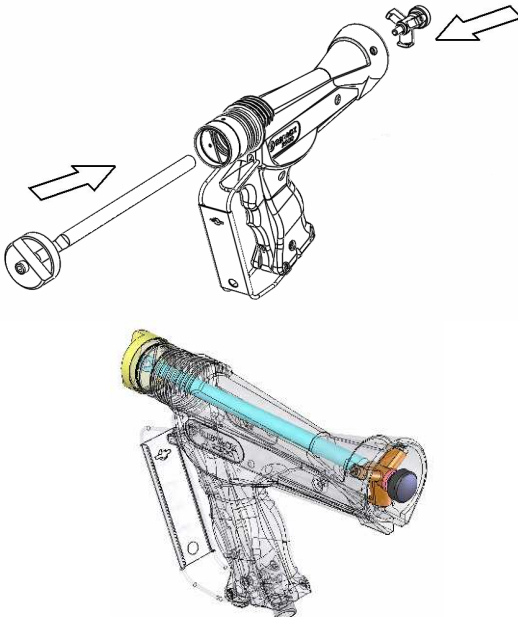
First of all dismantle the gas supply  
and the injector  
Remove the two security screws  
and dismantle the injector.



## INJECTION NOZZLE HOLDER REASSEMBLY



The injector must be perfectly aligned with the axis of the nozzle body to  
guarantee optimum flame efficiency



Place the injection  
nozzle holder on its  
base

Push back the pin on  
the combustion side.  
Take care here of the  
electrical contact and  
the piezo connection  
wire

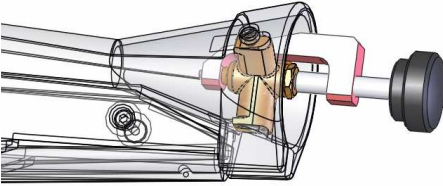
Put in the injection  
nozzle holder and use  
the knurled knob to  
tighten the tool.  
Replace the security  
screws and remove the  
tool



## GAS SUPPLY CHECKING THE SEAL



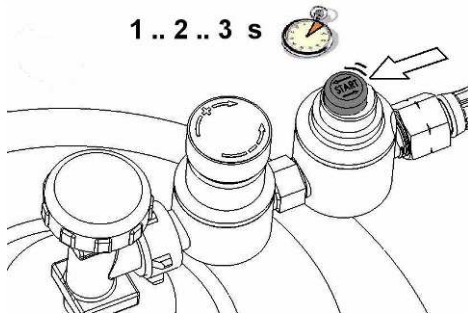
YOU MUST CARRY OUT THESE TESTS IN AN AREA WHERE THERE IS NO DANGER IN THE EVENT OF A GAS LEAK



Set up the test tool which will plug the injector

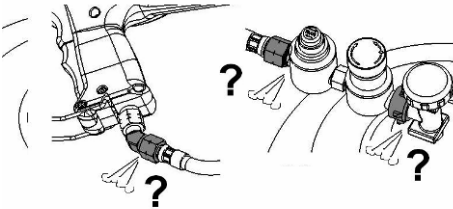
### Test 1:

Turn on the gas cylinder, lock the pressure regulator valve and press on the RIPACK 2200 handle. If it does not disengage, there is a significant leak.



### Test 2:

Lock the pressure regulator valve, turn off the gas cylinder and block the enabled RIPACK 2200 handle. If the pressure regulator valve disengages after a moment, there is a slight leak.

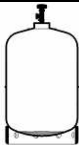
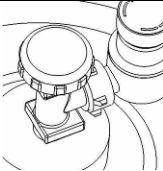
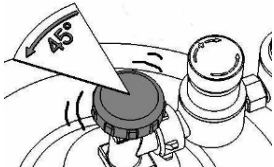
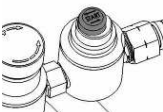
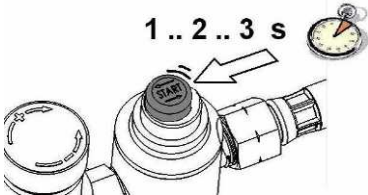
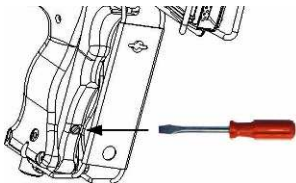


Check the seal at the hose and the connections.

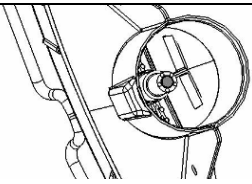
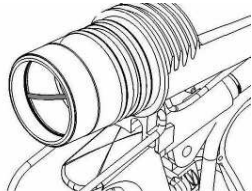
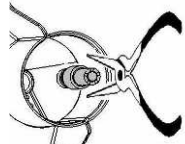
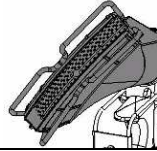
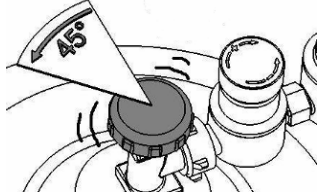
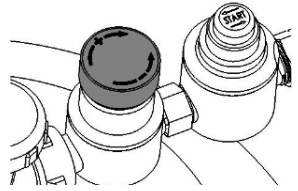
If the leak is coming from the valve or the injection nozzle holder, change the unit

**NEVER DISMANTLE THE VALVE  
OR THE INJECTION NOZZLE  
HOLDER TO CHANGE THE SEAL**


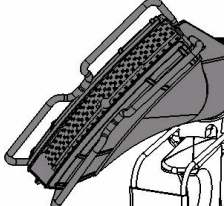
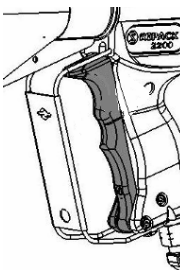
## Obtaining the best results with your RIPACK 2200

PROBLEMS	CAUSE	REMEDIES
The combustion nozzle doesn't/is difficult to ignite	Empty bottle 	Check that there is gas in the bottle (if necessary, change the bottle).
	Bottle valve is closed. 	
	Pressure-reducing valve not set up. 	
	The gun valve filter is blocked.	Clean the filter
	The gun valve doesn't open properly.	With the appliance under pressure, screw the screw so it touches the piston of the valve without pressing the trigger; this compensates any slack that may be present as a result of using the appliance. 
	Injector is blocked.	Unblock the injector. (See "Cleaning".)



The combustion nozzle doesn't/is difficult to ignite	Bad contact or bad insulation.	<p>Check the contact at the spark plug end.</p>  <p>Check the contact in the sleeve.</p> 
	Piezoelectric lighter run down.	Change the piezzo (see electrical supply dismantling )
	Electrode burnt or broken.	<p>Change the spark plug (see "Cleaning").</p> 
	Combustion nozzle is dirty.	<p>Clean the nozzle grille (see "Cleaning").</p> 
The combustion nozzle has insufficient power.	The gas bottle valve is open too far.	
	The pressure control of the SECURIPACK is not in its maximum position.	
	The gas you are using is not propane.	Use propane gas.
	The bottle capacity is too low.	Use a bottle with a larger capacity.



The combustion nozzle has insufficient power.	The ambient temperature is low and the appliance is being used intensively.		Alternate between several bottles.
	The injector is blocked.		Clean the injector (see "Cleaning".)
	The rubber hose is twisted.		Put it back in its initial position.
<ul style="list-style-type: none"><li>• Flame is lower.</li><li>• Internal combustion.</li><li>• Combustion nozzle gets hot.</li></ul>	The nozzle grille is blocked by particles suspended in the air (working in polluted environment).		Clean the grille and the venturi of the Ripack 2200 (see "Cleaning"). 
<ul style="list-style-type: none"><li>• The combustion nozzle does not go out immediately.</li></ul>	The trigger valve is jammed or blocked.		Close the gas bottle valve and have your appliance checked by your RIPACK dealer.

## WARRANTY

Every appliance meets the requirements of strict specifications in order to guarantee performance and adaptability.

Your RIPACK 2200 appliance has been manufactured with the greatest care using quality materials. Numerous tests and inspections were carried out during production. For all maintenance work and spare parts, please contact a RIPACK dealer.

### DOUBLE RIPACK WARRANTY:

1. TOTAL WARRANTY on all manufacturing flaws for new appliances that have not been disassembled or modified in any way and which have been used according to the user's guide without being subject to prolonged use. The total warranty covers the exchange of the spare part(s) that is(/are) recognised to be faulty.
2. WARRANTY OF OPERATION for one year under the following conditions:
  - that the appliance has been used in compliance with the user's guide;
  - that the appliance has not been disassembled except for the procedures described in the user's guide;
  - that the appliance is physically intact (for example: the body of the appliance, the protective guard and the combustion nozzle grille must not be deformed in any way, and, for example, the thread of the fittings must be intact).

This second warranty does not apply to the following replacement parts:

- lighter
- hose.

All replacement parts must be original RIPACK spare parts. The manufacturer shall not be held responsible and shall not be liable for any claims in the event that the aforementioned warnings and instructions are not respected.

The company RIPACK shall not be held responsible for accidents involving persons or goods which arise from the incorrect use of the appliance or from using it for an application which is not specifically mentioned in the user's guide. All disputes shall be governed by the courts of Bordeaux - France. No other place of jurisdiction shall be accepted.

The use and the resale of the RIPACK 2200 implies the acceptance of the aforementioned terms and conditions.

IN THE EVENT OF A WARRANTY CLAIM, PLEASE ATTACH A COPY OF  
YOUR SUPPLIER'S INVOICE.

# SPARE PART LIST (UL)

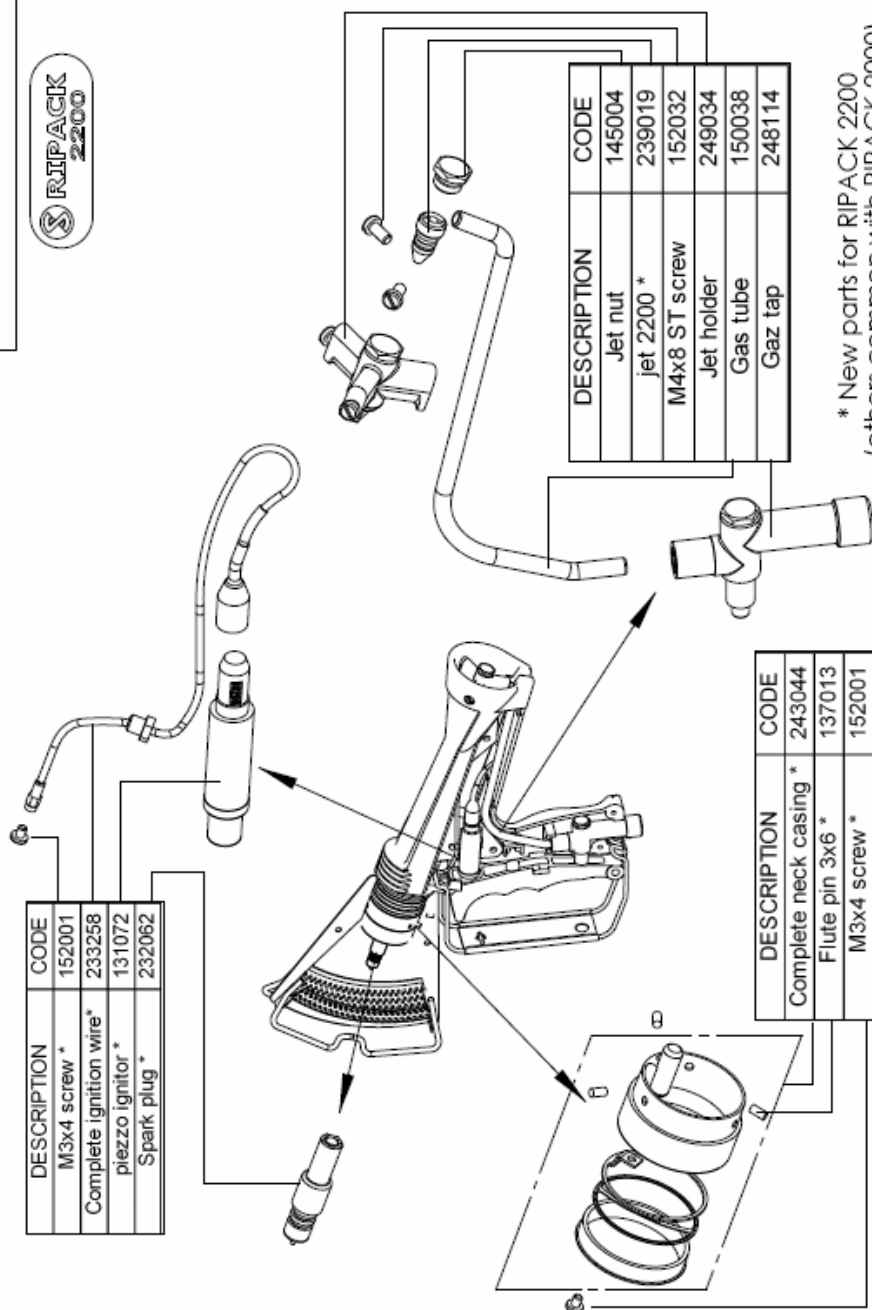


DESCRIPTION	CODE
M3x4 screw *	152001
Complete ignition wire*	233258
piezzo ignitor *	131072
Spark plug *	232062

DESCRIPTION	CODE
Complete neck casing *	243044
Flute pin 3x6 *	137013
M3x4 screw *	152001

DESCRIPTION	CODE
Jet nut	145004
jet 2200 *	239019
M4x8 ST screw	152032
Jet holder	249034
Gas tube	150038
Gas tap	248114

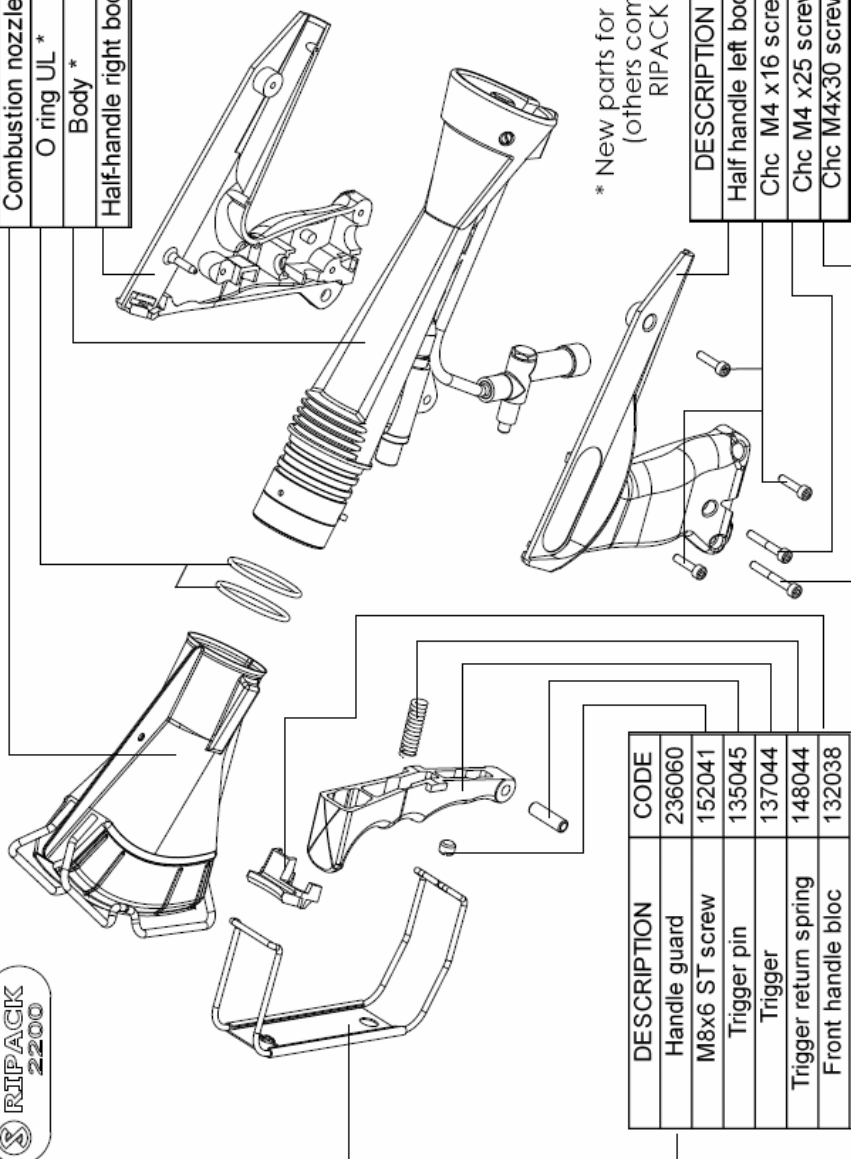
\* New parts for RIPACK 2200  
(others common with RIPACK 2000)



# SPARE PART LIST (UL)



DESCRIPTION	CODE
Combustion nozzle *	248110
O ring UL *	140061
Body *	233272
Half-handle right body	134050



\* New parts for RIPACK 2200  
(others common with  
RIPACK 2000)

DESCRIPTION	CODE
Handle guard	236060
M8x6 ST screw	152041
Trigger pin	135045
Trigger	137044
Trigger return spring	148044
Front handle bloc	132038

DESCRIPTION	CODE
Half handle left body	134051
Chc M4 x16 screw	152052
Chc M4 x25 screw	152065
Chc M4x30 screw	152066