SAR 001

INSTRUCTION MANUAL SAR001



SAR001	DISTRIBUTOR'S STAMP
HYDRO-PNEUMATIC TOOL FOR RIVET NUTS FROM M3 TO M12	



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1 - GENERAL INFORMATION

1.1 - MANUFACTURER

Sariv S.r.l. has been operating on the fasteners market for years. The Company boasts much technical experience and offers a wide range of products related to fastening systems.

1.2 - ASSISTANCE

In case you need any assistance concerning the use and the maintenance of the tool, or in case you need to order any spare parts, please contact your local authorised dealer (or Sariv directly) specifying the identification/serial numbers of the tool, written on its outer casing.



1.3 - CERTIFICATION AND EC MARKING

The tool is manufactured in compliance with the European Directives, which are in force when the tool itself is put on the market.

As the tool is not included in ENCLOSURE IV of DIRECTIVE 89/392/EEC, Sariv issues a self-certification to apply the EC marking.

1.4 - WARRANTY

The warranty has a validity of 12 months, starting from the date indicated in the invoice. The warranty only covers replaced parts; labour is not included.

The following points are not covered by warranty: standard accessories (see section 2.5.1, page 6) and tool damages caused by:

- transport and/or handling,
- user's mistakes,
- failed servicing/maintenance, as indicated in section 6 of this manual (page 13),
- faults and/or breakages that are not attributable to tool anomalies,
- normal consumption of consumables.

The warranty is invalidated both in case of unauthorized tampering/replacements of tool components and in case of use of accessories, tools or consumables different to those recommended by the manufacturer, which could even cause injuries to the tool's user.

Sariv S.r.l. assumes responsibilities only if the tool is originally defective, but declines all forms of responsibility if the user fails to follow the instructions given.

1.5 - MANUAL STRUCTURE

This instruction manual must be read with particular attention by the Customer, as the correct prearrangement, installation and use of the tool, are the correct basis for a good relationship between Manufacturer and Customer.

1.5.1 - PURPOSE AND CONTENTS

The manual herein has the purpose of providing the Customer with all the information needed not only to use the tool correctly, but also to manage it self-sufficiently and safely. It includes information concerning technical aspects, operation, maintenance, spare parts and safety.

Users and Qualified Technicians must read the instructions given herein thoroughly before starting to use the tool.

If you have any doubts on the meaning of the instructions given, please do not hesitate to contact Sariv S.r.l. for further explanations.

1.5.2 – MANUAL DESTINEE

The manual herein has been written for both the operators and the technicians enabled to service the tool. **Operators must not carry out jobs reserved to service and/or qualified technicians.**

Sariv S.r.l. is not liable for any damage deriving from the failed observance of this rule.

1.5.3 – PLACING OF THE MANUAL

This instruction manual must be kept near the tool, inside a dedicated container and, above all, away from liquids or anything else that may compromise its legibility.

1.5.4 – SYMBOLS USED

SYMBOL	MEANING	COMMENT
!	HAZARD	This highlights a hazard with risk for the user.
₩	WARNING	This points out a warning/note on key functions or useful information. Read the texts indicated by this symbol with utmost attention.
C	CONSULT	Consult the instruction manual before carrying out a specific procedure.

2 – TOOL DESCRIPTION

2.1 – OPERATING SYSTEM

The hydro-pneumatic SAR001 is designed to place female threaded rivet nuts (from M3 to M12) or male threaded rivet nuts (from M4 to M8).

The hydro-pneumatic system and the mechanical components used in the inside structure of the SAR001, when compared with other riveting tools, result to be much more reliable. A tool feature is a reduction of the problems caused by the wear and tear of the components, and consequently the tool will last much longer and work better. The technical solutions adopted make the SAR 001 more compact and lighter: the result is a very handy tool.

2.2 - VIBRATION

When used correctly, i.e. in compliance with the instructions given, the tool does not produce any dangerous vibration.

2.3 – SOUND EMISSIONS

The tool is designed and manufactured in such a way that the noise level results to be very low. The weighed equivalent continuous acoustic pressure level A in the operator position is indeed below 80 dB (A).

The information given can, in any event, allow the tool user to better evaluate the possible and eventual risks of danger.

2.4 – TECHNICAL DATA

The following table provides the technical data and features of the tool.

AIR WORKING PRESSURE	6 bar
MIN – MAX AIR PRESSURE	5 – 7 bar
AIR CONSUMPTION PER CYCLE at 6 bar	7,5 litres
STROKE	0 - 6,5 mm
DRIVING FORCE at 6 bar	2050 Kg
WEIGHT (w/o equipment)	2,4 Кg
VIBRATIONS	< 2,5 m/s ²
NOISE LEVEL	< 80 dB (A)

TABLE 2.9 A - Technical Data and Features

2.5 - EQUIPMENT

The equipment stated hereafter refers to standard tools. Any special tool could consequently require special parts, different to those listed.

2.5.1 – STANDARD ACCESSORIES

The tool is supplied with the following standard accessories:

Sariv Code	Q.ty	Description	
SAR001-63	1	Adjustable air connection	
SAR001-M3	1	Tie rod for female blind rivet nuts m3	
SAR001-M4	1	Tie rod for female blind rivet nuts m4	
SAR001-M4L	1	Tie rod for female blind rivet nuts M4L (68mm)	
SAR001-M5	1	Tie rod for female blind rivet nuts m5	
SAR001-M5L	1	Tie rod for female blind rivet nuts m5l (68mm)	
SAR001-M6	1	Tie rod for female blind rivet nuts m6	
SAR001-M6L	1	Tie rod for female blind rivet nuts M6L (75mm)	
SAR001-M8	1	Tie rod for female blind rivet nuts m8	
SAR001-M8L	1	Tie rod for female blind rivet nuts M8L (75mm)	
SAR001-M10	1	Tie rod for female blind rivet nuts m10	
SAR001-T3	1	Head with ring nut for female blind rivet nuts m3	
SAR001-T4	1	Head with ring nut for female blind rivet nuts m4	
SAR001-T5	1	Head with ring nut for female blind rivet nuts m5	
SAR001-T6	1	Head with ring nut for female blind rivet nuts m6	
SAR001-T8	1	Head with ring nut for female blind rivet nuts m8	
SAR001-T10	1	Head with ring nut for female blind rivet nuts m10	
SAR001-65	1	Universal key	
SAR001-66	1	2.5mm allen key	
_	1	Plastic case	
-	1	Instruction manual	

2.5.2 - ACCESSORIES UPON REQUEST

The following parts can be supplied upon request:

Sariv Code	Q.ty	Description			
SAR001-M12	1	Tie rod for female blind rivet nuts m12			
SAR001-T12	1	Head with ring nut for female blind rivent nuts m12			
SAR001-IMM4	1	Tie rod for male blind rivet nuts m4			
SAR001-IMM5	1	Tie rod for male blind rivet nuts m5			
SAR001-IMM6	1	Tie rod for male blind rivet nuts m6			
SAR001-IMM8	1	Tie rod for male blind rivet nuts m8			
SAR001-IMT4	1	Head with ring nut for male blind rivet nuts m4			
SAR001-IMT5	1	Head with ring nut for male blind rivet nuts m5			
SAR001-IMT6	1	Head with ring nut for male blind rivet nuts m6			
SAR001-IMT8	1	Head with ring nut for male blind rivet nuts m8			

Any modification and / or addition of accessories must be explicitly approved and carried out by the Manufacturer.

2.6 – ELECTRO- MAGNETIC ENVIRONMENT

The tool is manufactured so that it works correctly in an industrial electromagnetic environment, within the Emission and Immunity limits envisaged by the following standards:

EN 50081-2 Electro-magnetic compatibility – General emission standard - Part 2 – Industrial environment - (1993)

EN 50082-2 Electro-magnetic compatibility – General immunity standard - Part 2 – Industrial environment - (1995)

3 - SAFETY

3.1 - GENERAL WARNINGS

The operator must read carefully the information given in the present manual, especially with regards to the safety precautions listed in this chapter.

The operator must also observe the warnings listed below:

- The tool shall be used exclusively by trained personnel.
- The tool and the work area shall be kept clean and tidy.
- The tool shall be rested upright on the rubber base on a flat surface to prevent it from dropping.
- The tool shall only be used in normal psychophysical conditions.
- The user shall wear suitable clothing taking care to avoid entanglement of loose parts, ties, long hair, cleaning rags etc. in the tool itself.
- When using the tool, the wearing of safety glasses is required both by the operator and others in the vicinity to protect against fastener ejection. Besides we recommend wearing gloves when using the tool.
- The user shall use the accessories supplied and indicated in the 'servicing' chapter (see chapter 6) when servicing and/or adjusting the tool.
- The plates applied on the tool by Sariv S.r.l. shall not be removed or altered.
- Unauthorized personnel shall not be allowed to touch the tool.
- Make sure that the air supply hoses are correctly sized for the use envisaged.
- Do not drag the tool holding it by the hose when it is connected to the power supply. Keep the hose away from sources of heat and from sharp objects.
- Remember to remove service or adjustment keys after having carried out repair and/or adjustment jobs.
- Before disconnecting the compressed air hose from the tool, ensure it is not pressurized.
- Tool repairs and cleaning jobs must be carried out with the tool disconnected from the power supply.
- When filling with oil, only use fluids with the characteristics indicated herein.
- If you should accidentally spill oil on your skin, rinse and wash thoroughly with water and alkaline soap.
- Where possible, you are recommended to use a safety balance to support the tool.
- Pay attention to possible risk of whiplash with the air supply hoses.
- Do not operate the tool when it is directed towards any person(s) or the operator.

3.2 – INTENDED USE

The tool is designed exclusively to be used with rivet nuts. You can find the detailed list indicating the proper rivet nuts to be used in section 2.5: female threaded type with thread between M3 and M12, male threaded rivet nuts with thread between M4 and M8.

3.3 – OPERATING CONTROINDICATIONS

The tool shall not be used:

- for purposes different to those listed in previous par. 3.2;
- in explosive or aggressive atmosphere or when there is an excessive amount of dust or oil in the air;
- in atmosphere subject to the risk of fire;
- when it is exposed to weather conditions.

3.4 – RESIDUAL RISKS

During the normal working cycle and when servicing the tool, the operators are exposed to some residue risks which, due to the nature of the operations to be carried out, cannot be totally eliminated.

• Risk of breakage of the supply hose due to the fact that it contains compressed air. It is therefore absolutely crucial not to exceed the maximum pressure indicated in the technical data (see section 2.4, page 5).

3.5 - IDENTIFICATION NUMBER

On the riveter it is applied a label indicating the tool model, the name of manufacturer and the EC marking.

4 - INSTALLATION

4.1 – TRANSPORT AND HANDLING

The tool can be hand carried. You are recommended to store the tool in its case after using it. The tool can be transported safely if it is has been correctly put away in it its case.

_	Damages to the tool caused during transport and/or handling are
	not covered by WARRANTY.
W	Repairs or replacements of damaged parts are at Customer's charge.

4.2 - STORAGE

If you are not going to use the tool for a long time, you must put it away according to the following suggestions:

- store the tool indoor;
- protect the tool from impacts and stresses by keeping it in its case;
- protect the tool from damp and excessive thermal excursions;
- keep the tool away from corrosive substances.

4.3 - CONNECTIONS

To avoid all sorts of problems when using the tool you are recommended to observe the following points:

4.3.1 – PNEUMATIC CONNECTION

The pneumatic line is connected by mean of a quick-release coupling hose to be attached to the supple air connection, thread 1/4'' gas, supplied with the tool.

The air supply hose must be flexible and must meet the following safety requirements:

- Operating pressure: 6 bar
- Maximum pressure: 7 bar
- Minimum pressure: 5 bar
- Nominal consumption

4.4 – AIR SUPPLY

The air supply line must be free from dirt and damp to protect the tool from early wear of the moving components. You are therefore recommended to use a lubricating unit for compressed air.

4.5 – PRELIMINARY CHECKS

Before putting the tool into service you need to make a few inspections and checks in order to prevent errors or accidents while starting it.

- Check if the tool has been damaged during transport.
- Check if the compressed air hose is perfectly connected to the air supply line.
- Check if the tool turns freely and if the motor runs freely.

5 - OPERATION

5.1 - OPERATORS

The tool is designed to be used by one operator only.

Tool operators must satisfy the requirements stated hereafter (or they must be informed and trained accordingly).

- They must be aware of the manual herein and of all information relevant to safety:
- They must have some general and technical education, to a sufficient level to be able to understand the manual and to interpret the drawings and the diagrams correctly.
- They must be acquainted with the main hygienical rules, and with the industrial-safety and technological instructions.
- They must have an overall knowledge of the line and of the factory in which the tool is installed.
- They must know how to act in case of emergency, where to find the individual protection means and how to use them correctly.

Together with the above-mentioned requirements, the service technicians must also have an appropriate technical training.

5.2 – TOOL PREPARATION



When you are setting the tool it must **not** be connected to the airline inlet.

The choice of the tie-rod (M) and of the head (T) must be according to the size of the rivet nut to be used.

5.3 – PUTTING INTO SERVICE

See Picture 5.2-A

Before you start using the tool and after every size change, you need to execute the following procedure according to the size and the thickness of the material to be riveted:

- You have to take sleeve **59** off and to tighten the tie-rod on tie-rod holder **57** and ensure nut **58** does not prevent it from turning.
- Than you have to screw nut **58**, blocking it on the milled part of the tie-rod using the dedicated allen key (**66**), screw the head (**T**) on it with the relative ring nut until a portion of tie-rod (**M**) protrudes by no less than the length of the rivet to be used.
- You have now to disconnect the tool from the pneumatic line by removing the quick-release coupling (see section 4.3.1, page 9).

5.4 – STROKE ADJUSTMENT

See Picture 5.2-A

How to adjust the stroke:

- Connect the air supply to the tool (the pressure must be between 5 and 7 bar).
- Turn the ring nut **45**, using the dedicated pin, in the direction of the "-" mark (minus) until the tie-rod has a stroke of roughly 2 mm when operating the tool.
- Screw in the rivet nut, pressing it lightly on the end of the tie-rod; keep it pressed until the rivet nut actually touches the head.
- Insert the rivet nut into the application hole, holding the tool so that the axis of the tie-rod is perpendicular to the surface to be fixed.
- Operate lever **30** until it starts getting harder (traction and fixing phases).
- Continue to press the lever as far as it will go (unscrewing phase) and stay in this position until the rivet nut is unscrewed from the tie-rod.
- Check the position of the rivet nut. If it is not correct, turn the ring nut **45**, bearing in mind that:
- If you turn it towards the "+" mark (plus) you increase the stroke, consequently the rivet nut will result more deformed; on the contrary if you turn it towards the "-" mark (minus) you reduce the stroke with a consequently less deformation of the rivet nut.

<u>Warning</u>: If the tool stroke is not correctly adjusted, the rivet nuts will not be securely fixed, and the tie-rods could easily break.

It is essential to adjust the stroke correctly to obtain a perfect fixing of the rivet nut.

You must always consider that, an excessive stroke could cause the breaking of the tie-rod; on the contrary an insufficient stroke will not guarantee the stability of the rivet nut.

5.5 – TIE ROD CHANGE



When the thread of the rivet nuts to be used changes, you need to replace both the tie-rod (M) and the head (T), therefore proceed as follows:

- Loosen the counter-ring nut that blocks the head (T) using the universal key and remove it by unscrewing it.
- Unscrew nut **58** using the allen key (**66**), remove the tie-rod (**M**) and replace it with the new required one (**M**). Once the tie-rod has been replaced, turn it as far as it will go.
- Unscrew tie-rod (**M**) again by half a turn, until the flat part of the tie-rod (**M**) is by the hole where the nut is lodged. This is to be done in order to avoid deforming the thread of the tie-rod (**M**) itself.
- Then tighten sleeve **59** and fit the relative head (**T**).

Each time you change the tie-rod (M) you need to repeat carefully all above operations.

Warning: The above operations must be carried out with the tool disconnected from the power supply.

6 - MAINTENANCE

6.1 - MAINTENANCE STATUS

Maintenance operations must be carried out with the tool stopped and disconnected from the pneumatic supply line.

Warnings:

- The tool maintenance instructions must be followed carefully.
- To ensure safety and perfect tool efficiency, you are recommended to use exclusively ORIGINAL parts.

6.2 - CLEANING

It is a good rule to completely clean the tool externally on a periodic basis (depending on the type and frequency of use).

Shut-off all power sources to the tool										
<u>∧</u>	The	operator	must	wear	and	use	suitable	personal	protections	before
<u></u> >	start	ing to clea	in the t	cool.						

6.3 – ORDINARY MAINTENANCE

In order to prevent stoppages and faults of the tool, an ordinary maintenance (including inspections, checks and operations) must be scheduled to keep the following under systematic control:

- state of lubrication of the tool.
- state of wear of consumables.

6.3.1 - REFILLING THE HYDRAULIC CIRCUIT WITH OIL



The hydraulic circuit needs to be refilled with oil after a continuous use, and when you notice a reduction in the tool stroke.

Proceed as follows:

- **Disconnect** the airline from the tool inlet.
- Unscrew screw **51** by roughly 3 turns.
- Remove **KIT-OLIO**.
- Put the tool in a horizontal position and slowly pour in the hydraulic oil (ISO VG 32 type) until the circuit is full: you will realise this when the oil spills out of screw **51**.
- Block now the screw **51**.
- Screw **KIT-OLIO**, being careful not to ruin the gasket.

Wear gloves when managing the oil.

Do not throw the old oil outdoors but hand it over to an authorized waste disposal center.

Warning: if you should accidentally spill oil on your skin, wash and rinse thoroughly with water and alkaline soap.

6.3.2 – PARTS SUBJECT TO WEAR

On a periodic basis check the state of wear of the rubber base, as this is what ensures the stability of the tool.

7 – FAULT DIAGNOSIS AND REPAIR

7.1 - REPAIRS

To ensure the operational efficiency and safety of the tool, all repair jobs shall be carried out exclusively by the local authorized dealer or by the Technical Assistance Service of Sariv S.r.l.

7.2 – REQUESTING ASSISTANCE

For any information concerning Use, Maintenance, Installation, Repair and so on, Sariv S.r.l is at the Customer's full disposal for all enquiries.

When making enquiries the customer is requested to be absolutely clear and to make always reference to this Manual and, in particular, to the instructions given in section 1.2.

8 – SPARE PARTS

8.1 – SPARE PARTS

Picture 8.1-A – Spare Parts



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See Picture 8.1-A

	TABLE 8.1									
COD.	Q.TY	DESCRIPTION	KIT	COD.	Q.TY	DESCRIPTION	KIT			
SAR001-01	1	PNEUMATIC CASING		SAR001-34	2	MANDREL FOR MOTOR AIR PIPE				
SAR001-02	1	HANDLE CASING		SAR001-35	1	SCREW FOR MOTOR AIR PIPES LOCKING				
SAR001-03	1	SCREWING UNIT	В	SAR001-36	1	WASHER FOR SCREW FOR MOTOR AIR PIPES LOCKING				
SAR001-04	1	RUBBER BASE		SAR001-37	2	PIPE GUIDE	В			
SAR001-05	1	SEEGER FOR BOTTOM		SAR001-38	2	MOTOR AIR PIPE	В			
SAR001-06	1	BOTTOM		SAR001-39	1	MOTOR DRIVE ROD	В			
SAR001-07	1	O-RING FOR BOTTOM		SAR001-40	1	MOTOR DRIVE BALL	В			
SAR001-08	1	O-RING FOR AIR TRACTION PIPE	E	SAR001-41	1	MOTOR CAP	В			
SAR001-09	1	O-RING FOR PNEUMATIC PISTON	E	SAR001-42A	1	PLASTIC MOTOR PROTECTION				
SAR001-10	1	OIL REMOVER FOR PNEUMATIC PISTON	E	SAR001-43	1	ROTATING MOTOR CAP	В			
SAR001-11	1	PNEUMATIC PISTON	E	SAR001-44	1	ROTATING JOINT	А			
SAR001-12	1	PNUEMATIC PISTON STEM	E	SAR001-45	1	ADJUSTABLE RING				
SAR001-13	1	SPRING FOR PNEUMATIC PISTON		SAR001-46	1	RETURN SPRING FOR HYDRAULIC PISTON				
SAR001-14	1	DRIVING AIR PIPE		SAR001-47	1	SEEGER FOR ROTATING PIN	А			
SAR001-15	1	OIL SEAL RING	D	SAR001-48	1	HYDRAULIC PISTON				
SAR001-16	1	OIL SEAL	D	SAR001-49	1	WASHER FOR MOVEMENT PIN				
SAR001-17	2	INTERMEDIATE O-RING		SAR001-50	1	OIL SEAL FOR HYDRAULIC PISTON				
SAR001-18	1	STEM GUIDE	D	SAR001-51	1	DISCHARGE SCREW				
SAR001-19	1	ROTATION LOCKING PIN		SAR001-52	1	WASHER FOR DISCHARGE SCREW				
SAR001-20	1	O-RING FOR STEM GUIDE	D	SAR001-53	1	OIL SEAL FOR HYDRAULIC PISTON				
SAR001-23	1	TRIGGER VALVE	С	SAR001-54	1	THREADED NUT FOR HYDRAULIC PISTON				
SAR001-24	3	BACK O-RING FOR TRIGGER	С	SAR001-55	1	DRIVE PIN	А			
SAR001-25	1	BOTTOM VALVE	С	SAR001-56	1	RING NUT FOR DRIVE PIN				
SAR001-26	5	THREADED NUT	B-C	SAR001-57	1	TIE ROD HOLDER SLEEVE				
SAR001-27	2	FRONT O-RING FOR TRIGGER	С	SAR001-58	1	WASHER FOR TIE ROD HOLDER SLEEVE				
SAR001-28	1	TRIGGER NUT		SAR001-59	1	OUTER CONE				
SAR001-29	1	TRIGGER PIN	С	SAR001-60	1	MOTOR UNIT	В			
SAR001-30	1	TRIGGER LEVER		SAR001-60-01	1	OUTER HOLDER FOR MOTOR UNIT				
SAR001-31	1	SILENCER		SAR001-61	2	SCREW M3x8				
SAR001-32	1	PIN FOR TRIGGER LEVER		SAR001-62	1	MOTOR SPRING	В			
SAR001-33	4	O-RING FOR MOTOR AIR PIPE	В	SAR001-63	1	AIR CONNECTION				

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COD.	Q.TY	DESCRIPTION	COD.	Q.TY	DESCRIPTION			
Kit A		ROTATION PIN	Kit C		ТАР			
SAR001-55	1	DRIVE PIN	SAR001-29	1	TRIGGER PIN			
SAR001-44	1	ROTATING JOINT	SAR001-27	2	FRONT O-RING FOR TRIGGER			
SAR001-47	1	SEEGER FOR ROTATING PIN	SAR001-23	1	TRIGGER VALVE			
			SAR001-24	3	BACK O-RING FOR TRIGGER			
Kit B		MOTOR	SAR001-25	1	BOTTOM VALVE			
SAR001-60	1	MOTOR UNIT	SAR001-26	1	THREADED NUT			
SAR001-39	1	MOTOR DRIVE ROD						
SAR001-40	1	MOTOR DRIVE BALL	Kit D		STEM GUIDE			
SAR001-41	1	MOTOR CAP	SAR001-15	1	OIL SEAL RING			
SAR001-03	1	SCREWING UNIT	SAR001-20	1	O-RING FOR STEM GUIDE			
SAR001-43	1	ROTATING MOTOR CAP	SAR001-16	1	OIL SEAL			
SAR001-38	2	MOTOR AIR PIPE	SAR001-18	1	STEM GUIDE			
SAR001-33	1	O-RING FOR MOTOR AIR PIPE						
SAR001-37	2	PIPE GUIDE	Kit E		PNEUMATIC PISTON			
SAR001-26	2	THREADED NUT	SAR001-12	1	PNUEMATIC PISTON STEM			
SAR001-62	1	MOTOR SPRING	SAR001-11	1	PNEUMATIC PISTON			
			SAR001-08	1	O-RING FOR AIR TRACTION PIPE			
			SAR001-09	1	O-RING FOR PNEUMATIC PISTON			
			SAR001-10	1	OIL REMOVER FOR PNEUMATIC PISTON			

Picture 8.1-B – Spare Parts



COD.	Q.TY	DESCRIPTION
SAR001-64	1	PIN REGULATOR FOR STROKE RING NUT
SAR001-65	1	UNIVERSAL KEY
SAR001-66	1	2,5mm ALLEN KEY
SAR001-67	1	HYDRAULIC OIL ISO VG 32 100cc
SAR001-68	1	PLASTIC CASE
SAR001-69	1	OPEN-END SPANNER 9

MOTOR UNIT SPARE PARTS(SAR001-60)

Picture 8.1-B – Motor unit spare parts



RIF.	COD.	Q.TA'	DESCRIZIONE	RIF.	COD.	Q.TA'	DESCRIZIONE
1.	SAR001-60-01	1	PLANET WHEEL HOLDER	9.	SAR001-60-09	1	BEARING
2.	SAR001-60-02	1	PLANET WHEEL	10	SAR001-60-10	1	REAR PLATE
3.	SAR001-60-03	3	SPACER	11	SAR001-60-11	1	ROTOR
4.	SAR001-60-04	1	FRONT PLATE	12.	SAR001-60-12	1	BEARING
5.	SAR001-60-05	1	STATOR	13.	SAR001-60-13	1	CROWN WHEEL
6.	SAR001-60-06	5	FIN	14.	SAR001-60-14	1	BEARING
7.	SAR001-60-07	1	ROLLER	15.	SAR001-60-15	1	SNAP RING

NOTE: When placing an order, please always indicate the part number and the description.

8.2 – PURCHASE OF SPARE PARTS

Please kindly remember that only local authorized dealers are allowed to repair the tool. Failing this, you are requested to contact the Technical Assistance Service of Sariv S.r.l., where qualified operators avail of the correct tools and original spare parts to solve any problems.

9 - DISMANTLING

9.1 – DISMANTLING INSTRUCTIONS

When desmantling the tool you need to separate the plastic parts, which are to be disposed of in compliance with current Regulations.

As for the bulk metal part of the tool, simply split-up the steel parts from those in other metals or alloys and send to be melted down and recycled.

The oil drained from the tool must not be thrown outdoors but handed over to an authorized oil disposal centre.

10 – ENCLOSED DOCUMENTS

10.1 - DECLARATION

The following declaration is enclosed:

• Declaration of Conformity to DIRECTIVE EC/98/37

DECLARATION OF CONFORMITY

We, SARIV s.r.l. Unipersonale

Via del Progresso, 2 – Fontaniva (PD) – Italy

STATE

In the person of the Legal Representative Nicola Sartore that the following tool SAR001 – Hydro pneumatic tool for blind rivet nuts

IS MANUFACTURED ACCORDING TO

the requirements Council Directive Machineries C.E.E. 89/392 (Machinery), subsequent amendments, and standards EN292-1, EN292-2

SARIV s.r.l. Unipersonale

