



## **AIR DRIVE CARTON STAPLER**

**MODEL: KP-561C-15PN**

**KP-561C-18PN**

### **OPERATION AND MAINTENANCE MANUAL**

#### **WARNING**

BEFORE OPERATING THIS STAPLER. ALL OPERATORS SHOULD STUDY THIS MANUAL, TO UNDERSTAND AND FOLLOW THE SAFETY WARNINGS AND INSTRUCTIONS. KEEP THESE INSTRUCTIONS WITH THE STAPLER FOR FUTURE REFERENCE. IF YOU HAVE ANY QUESTION, CONTACT YOUR DISTRIBUTOR.



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# TOOL SPECIFICATIONS

**KP-561C-15PN, KP-561C-18PN Pneumatic Stick Stapler**

Wire Diameter	Crown	Fastener Length (TOOL DEPENDENT)	Weight	Operating Pressure	Fastener Capacity	L x W x H
1.9 x 0.9 mm	32 mm	15 / 18 mm	2.5 kgs	5-7 kg/cm <sup>2</sup>	150	405 x 225 x 97 mm
.074" X .037"	1-1/4"	5/8" / 3/4"	5.6 lbs	70-100 psi	150	15.9 x 8.9 x 3.8 in.

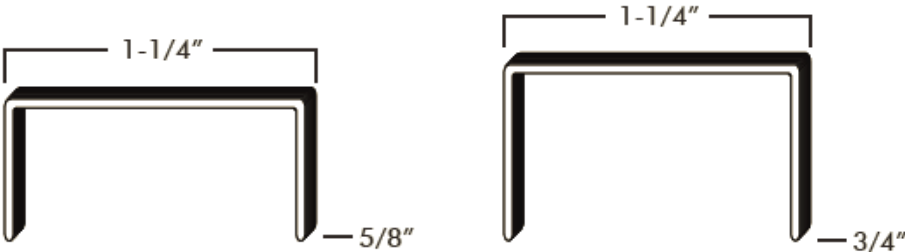
**COMPRESSED AIR :**

MAXIMUM PERMISSIBLE OPERATING PRESSURE ..... 8 KG/Cm<sup>2</sup>  
 RECOMMENDID OPERATING PRESSURE ..... 5 KG/Cm<sup>2</sup> – 7 KG/Cm<sup>2</sup>  
 AIR CONSUMPTION ..... 0.067 M<sup>3</sup> / MIN (2.4 C.F.M)  
 WITH 60 STAPLES PER MINUTE  
 @ 5.66 KG/CM<sup>2</sup>(80 PSI)

STAPLES SPECIFICATION ..... CROWN 32 MM  
 ..... LENGTH 15MM or 18MM

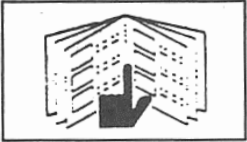
THE NOISE LEVELS: (AT THE WORKPLACE, ALWAYS WEAR HEARING PROTECTION EQUIPMENT.)  
 A-WEIGHTED SINGLE-EVENT SOUND PRESSURE LEVEL AT OPERATOR'S POSITION: **L Pa, 1s = 89 dBA**  
 A-WEIGHTED SINGLE-EVENT SOUND POWER LEVEL..... **L WA, 1s = 93 Dba**  
 A-WEIGHTED SINGLE-EVENT SURFACE SOUND PRESSURE LEVEL ..... **L Pa, 1s, 1m=80 Dba**

STAPLES SPECIFICATION ..... CROWN 32 MM  
 ..... LENGTH 15MM or 18MM



# SAFETY INSTRUCTIONS

## DANGER



1. READ THIS MANUAL AND UNDERSTAND ALL SAFETY INSTRUCTIONS BEFORE OPERATION THE TOOL . IF YOU HAVE ANY QUESTIONS , PLEASE CONTACT OUR AUTHORIZED REPRESENTATIVES .



2. NEVER ALLOW TO USE TYPE OF FLAMMABLE GASES OXYGEN AS A POWER SOURCE FOR THE TOOL . USE FILTERED , LUBRICATED , REGULATED , COMPRESSED AIR ONLY .



3. NEVER USE GASOLINE OR OTHER FLAMMABLE LIQUIDS TO CLEAN THE TOOL . VAPORS IN THE TOOL WILL IGNITE BY A SPARK AND CAUSE THE TOOL TO EXPLODE .



4. DO NOT EXCEED MAXIMUM PERMISSIBLE OPERATING PRESSURE OF THE TOOL ( 8 kg/cm<sup>2</sup> ) .

5. DISCONNECT THE TOOL FROM AIR SUPPLY BEFORE CLEANING JAMS , SERVICING , ADJUSTING , AND DURING NON-OPERATION .

## WARNING



6. DO NOT PULL THE TRIGGER WHEN CARRYING OR HOLDING THE TOOL . NEVER CARRY THE TOOL BY THE HOSE OR PULL THE HOSE TO MOVE THE TOOL.



7. AT THE WORKPLACE , ALWAYS WEAR THE PROTECTIVE EQUIPMENT SUCH AS SAFETY GLASSES , HEARING PROTECTION AND HEAD PROTECTION .



8. DO NOT USE A CHECK VALVE OR ANY OTHER FITTING WHICH ALLOWS AIR TO REMAIN IN THE TOOL .



9. DO NOT PLACE YOUR HAND OR ANY PART OF YOUR BODY IN THE STAPLE CLINCHING AREA OR ADJUSTMENT WINDOW OF THE TOOL WHEN CONNECTING OR DISCONNECTING AIR SUPPLY .



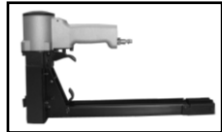
10. NEVER POINT ANY OPERATIONAL DRIVING TOOL AT YOURSELF OR AT ANY OTHER PERSON .

# LUBRICATION AND MAINTENANCE

## NOTE



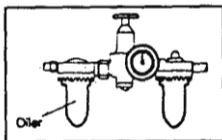
- YOUR TOOL REQUIRES LUBRICATION BEFORE YOU USE IT FOR THE FIRST TIME .



- DISCONNECT THE AIR SUPPLY FROM THE TOOL BEFORE LUBRICATING .



- TURN THE TOOL SO THE INLET IS FACING UP AND PUT ONE DROP OF HIGH SPEED SPINDLE OIL , UNOCAL RX22 , OR 3-IN-1 OIL INTO AIR INLET . NEVER USE DETERGENT OIL OR ADDITIVES . OPERATE THE TOOL BRIEFLY AFTER ADDING OIL .

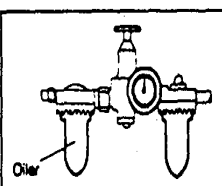
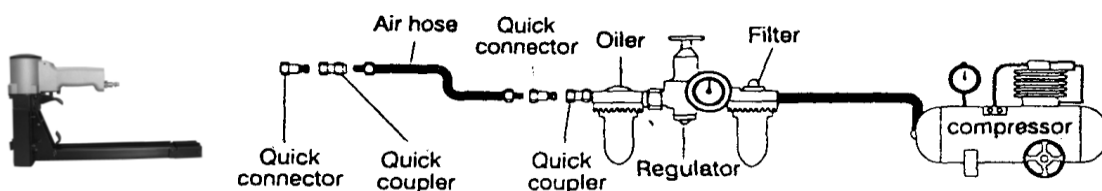


- WIPE OFF EXCESSIVE OIL AT THE EXHAUST , EXCESSIVE OIL WILL DAMAGE ORINGS OF TOOL . IF IN-LINE OILER IS USED . MANUAL LUBRICATION THROUGH THE AIR INLET IS NOT REQUIRED ON A DAILY BASIS .

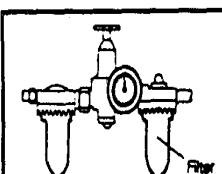
# AIR SUPPLY AND CONNECTIONS

## NOTE

THE FOLLOWING ILLUSTRATION SHOWS THE CORRECT MODE OF CONNECTION TO THE AIR SUPPLY SYSTEM WHICH WILL INCREASE THE EFFICIENCY AND USEFUL LIFE OF THE TOOL .

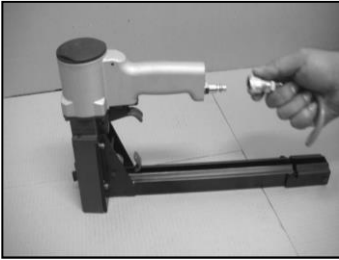


- MANY AIR TOOL USERS FIND IT CONVENIENT TO USE OILER TO HELP PROVIDE OIL CIRCULATION THROUGH TOOL AND INCREASE THE EFFICIENCY AND USEFUL LIFE OF THE TOOL . CHECK OIL LEVEL IN THE OILER DAILY .

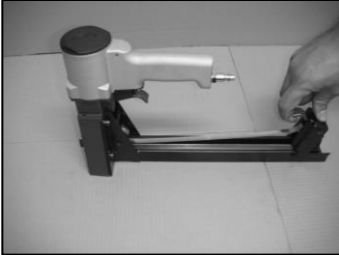


- MANY AIR TOOL USER FIND IT CONVENIENT TO USE A FILTER TO REMOVE LIQUID IMPURITIES WHICH CAN RUST OR WEAR INTERNAL PARTS OF THE TOOL . A FILTER ALSO INCREASE THE EFFICIENCY AND USEFUL OF THE TOOL . THE FILTER MUST BE CHECKED ON A DAILY BASIS AND IF NECESSARY DRAINED .

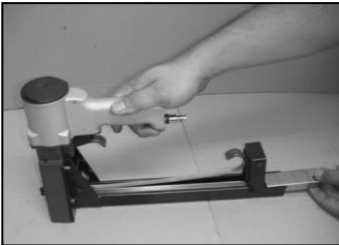
## LOADING THE TOOL



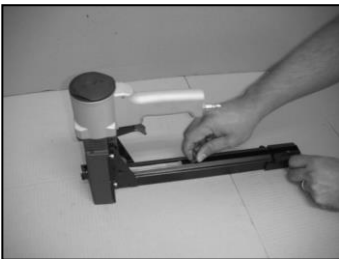
DISCONNECT THE AIR SUPPLY .



PULL PUSHER ( 034 ) BACK UNTIL IT STOPS ON STOPPER ( 038 ) THEN ROTATE PUSHER ( 034 ) TO POSITION .



INSERT 2 STICKS OF APPROPRIATE STAPLES INTO THE MAGAZINE ( 039 ) FROM BACK . LET THE STICKS SLIDE FORWARD TO THE FRONT OF THE MAGAZINE ( 039 ) .



PULL PUSHER ( 034 ) BACK TO UPRIGHT POSITION AND GENTLY LET THE PUSHER ( 034 ) SLIDE FORWARD AGAINST THE STAPLES . DO NOT LET THE PUSHER ( 034 ) SLIDE FORWARD AND STRIKE THE STAPLES AT HIGH SPEED FOR THIS MAY DEFROM THE STAPLES OR DAMAGE THE TOOL .

## DEPTH ADJUSTMENT



**NOTE : DISCONNECT THE AIR SUPPLY**

PULL BLACKET ( 005 ) UP THAN TURN RIGHT OR TURN LEFT TO ADJUST TO DESIRED DEPTH.



# OPERATING THE TOOL

## WARNING

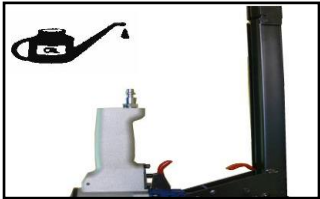
PROTECT YOUR EYES AND EARS . WEAR SAFETY GLASSES WITH SIDE SHIELDS . WEAR HEARING PROTECTION . EMPLOYERS AND USERS ARE RESPONSIBLE FOR ENSURING THE USER OR ANYONE NEAR THE TOOL WEAR THIS SAFETY PROTCTETION .

## WARNING

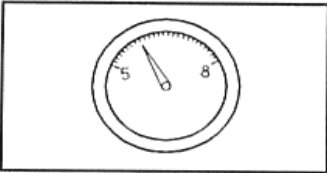
TO PREVENT ACCIDENTAL INJURIES : NEVER , PLACE A HAND OR ANY OTHER PART OF BODY IN STAPLE CLINCHING AREA OT ADJUSTMENT WINDOW . NEVER POINT TOOL TOWARD ANYONE ELSE . NEVER ENGAGE IN HORSEPLAY . ALWAYS HANDLE THE TOOL WITH CARE . NEVER PULL TRIGGER UNLESS TOOL IS IN PLACE OF CARTON.

## NOTE

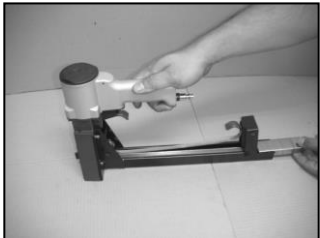
CHECK AND REPLACE ANY DAMAGED OR WORN COMPONENTS ON THE TOOL MUST ALSO BE REPLACED IF THEY ARE NOT LEGIBLE .



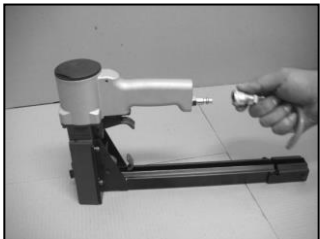
ADD A FEW DROPS OF UNOCAL R<sub>x</sub>22 OR 3-IN-1 OIL INTO THE AIR INLET .



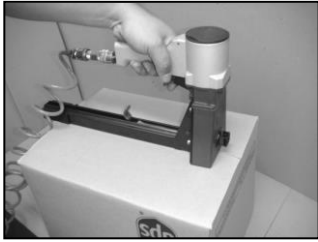
REAUULATE THE AIR PRESSURE TO IBTAIN 6 kg/cm<sup>2</sup> THE TOOL .



INSERT STAPLES INTO YOUR TOOL FOLLOWING THE INSTRUCTIONS OF LOADING THE TOOL .



RECONNECT THE AIR HOSE TO THE TOOL .



GRASP HANDLE WITH ONE HAND POSITION ON BOX IN LINE WITH THE DESIRED STAPLE LOCATION .



STRONGEST CLOSURE REQUIRES END STAPLES CLOSE TO END OF BOX .

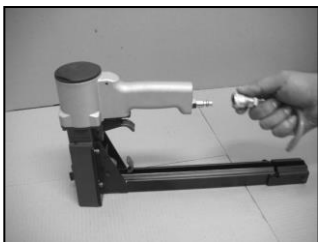
CHECK STAPLE CLINCHING IN SAMPLES OF BOX BOARD BEING USED . ADJUSTMENTS FOR DEPTH OF PENETRATION , FULL ADVANTAGE SHOULD BE TAKEN OF THEM .

## CLEANING THE TOOL

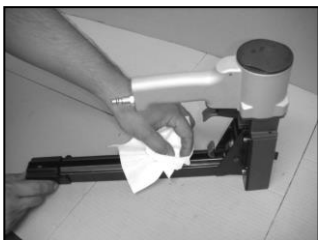
DANGER



NEVER USE GASOLINE OR OTHER FLAMMABLE LIQUIDS TO CLEAN THE TOOL . VAPORS IN THE TOOL WILL IGNITE BY A SPARK AND CAUSE THE TOOL TO EXPLODE AND RESULT IN DEATH OR SERIOUS PERSONAL INJURY .



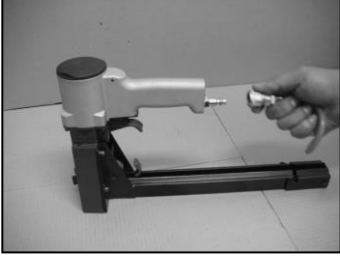
DISCONNECT THE AIR SUPPLY FROM THE TOOL .



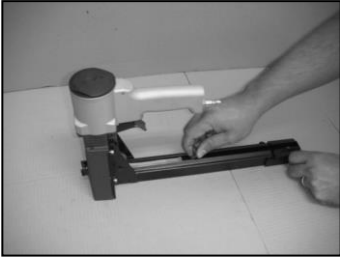
REMOVE TAR BUILDUP WITH KEROSENE #2 FUEL OIL OR DIESEL FUEL . DO NOT ALLOW SOLVENT TO GET INTO THE CYLINDER OR DAMAGE MAY OCCUR . DRY OFF THE TOOL COMPLETELY BEFORE USE .



# CLEARING A JAM FROM THE TOOL



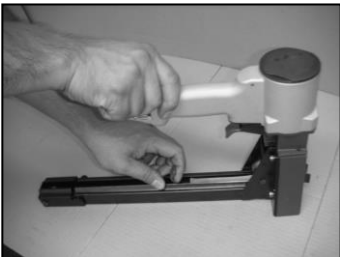
DISCONNECT THE AIR SUPPLY .



PULL PUSHER ( 034 ) BACK AND ROTATE TO LOCKED POSITION .



INSERT LONG NOSE PLIERS OR SCREW DRIVER TO CLEAR JAM .



SLOWLY RELEASE PUSHER ( 034 ) BACK TO POSITION .

# TROUBLE SHOOTING

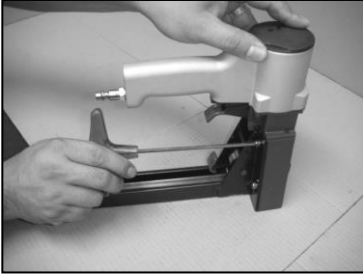
## WARNING

STOP USING THE TOOL IMMEDIATELY IF ANY OF THE FOLLOWING PROBLEMS OCCUR .  
 SERIOUS PERSONAL INJURY COULD OCCUR . ANY REPAIRS OR REPLACEMENTS MUST BE  
 DONE BY A QUALIFIED PERSON OR AN AUTHORIZED SERVICE CENTER ONLY .

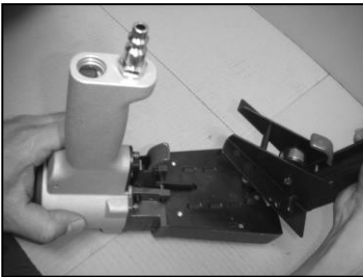
PROBLEM	CAUSE	REMEDY
AIR LEAKAGE FROM TRIGGER .	O-RING ON VALVE ( 032 ) OR ON TUBE ( 031 ) ARE DAMAGED .	O-RING MUST BE REPLACED
AIR LEAKAGE FROM EXHAUST PORT .	O-RING ON VALVE ( 032 ) OR ON TUBE ( 031 ) ARE DAMAGED .	O-RING MUST BE REPLACED
	PISTON'S O-RING ( 504 ) IS DAMAGED .	O-RING MUST BE REPLACED
AIR LEAKAGE FROM CYLINDER.	PISTON ROD PORT ( 021 ) O-RING ( 518 ) IS DAMAGED .	REPLACE THE O-RING .
EXCESSIVE JAMS :	TEETH SCREWS LOOSE .	TIGHTEN SCREWS
	STAPLE SIZE IS WRONG .	USE THE PROPER SIZE STAPLE
	INSUFFICIENT LUBRICATION	CLEANING AND LUBRICATING SUITABLY .
UNEVEN CLINCH	WRONG STAPLE SIZE	CHECK FOR PROPER LEG LENGTH ADJUSTMENT & CLINCHER SIZE .
UNCLINCHED STAPLE	TEETH ( 012,013 ) LOOSE	TIGHTEN TEETH ( 012,013 )
	TEETH ( 012,013 ) ARE BROKEN	REPLACE TEETH ( 012,013 )
	SLOW AND SHORT TRAVEL CYCLING .	CHECK AS NOTED IN SLOW AND SHORT TRAVEL CYCLING SECTION .

# TEETH REPLACEMENT

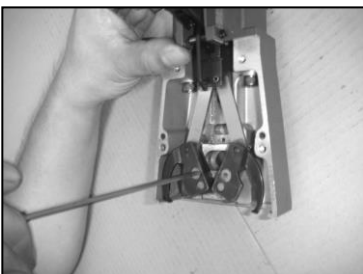
**NOTE : DISCONNECT THE AIR SUPPLY**



LOOSEN SCREWS ( 530 ) WITH 4 mm HEXAGON WRENCH KEY .



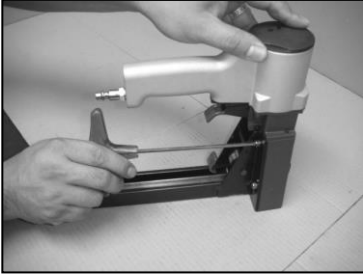
REMOVE THE MAGAZINE ( 039 ) ASSEMBLY AND PLATE (016) .



LOOSEN SCREWS ( 511 ) WITH 3 mm HEXAGON WRENCH KEY .  
CHANGE TEETH ONE AT A TIME TO PREVENT REVERS  
TEETH .

## DRIVER REPLACEMENT

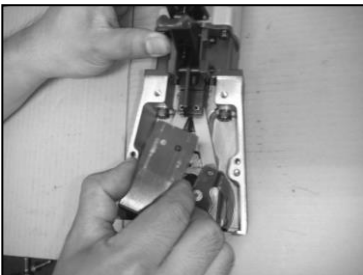
**NOTE : DISCONNECT THE AIR SUPPLY**



LOOSEN SCREWS ( 530 ) WITH 4 mm HEXAGON WRENCH KEY .

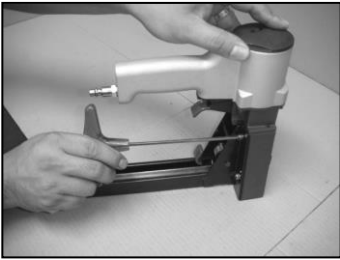


REMOVE THE MAGAZINE ASSEMBLY ( 039 ) AND PLATE ( 016 ).

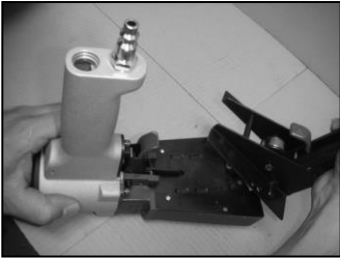


TAKE AWAY DRIVER AND REPLACE A NEW ONE.

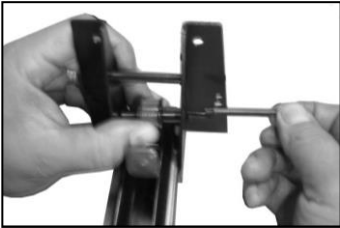
## PUSHER SPRING REPLACEMENT



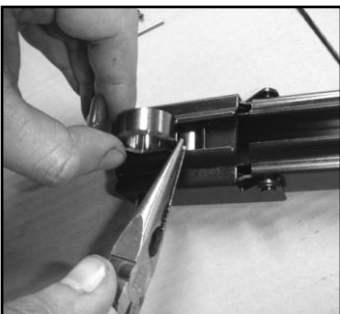
LOOSEN SCREWS ( 530 ) WITH 4 mm HEXAGON WRENCH KEY .



REMOVE THE MAGAZINE ASSEMBLY ( 039 ) AND PLATE ( 016 ).

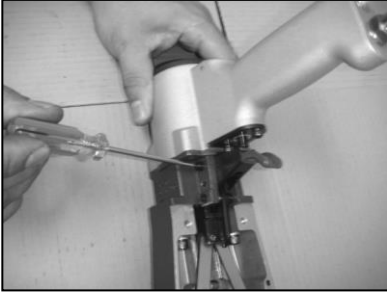


TAKE AWAY RING ( 043 ) , SHAFT ( 042 ) AND BUSHING ( 040 ).

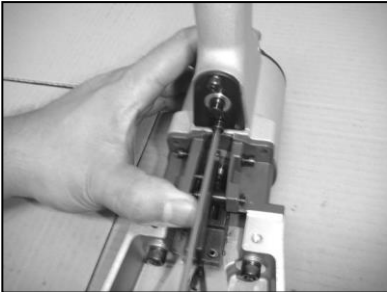


REMOVE PUSHER SPRING ( 041 ) BY LONG NOSE PLIER.

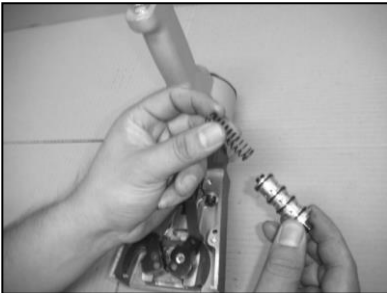
## VALVE'S AND TUBE'S O-RINGS REPLACEMENT



LOOSEN SCREWS ( 025 ) WITH FLAT SCREW DRIVER .  
AND REMOVE TRIGGER ASSEMBLY (024).

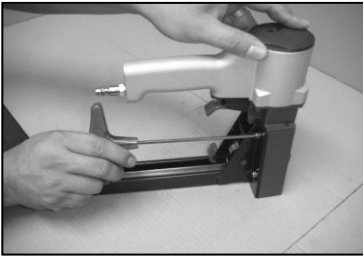


LOOSEN SCREW (524) WITH 3mm HEX. WRENCH KEY AND  
REMOVE WASHER (030).



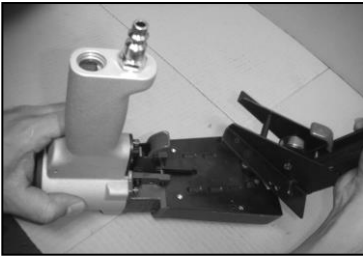
REMOVE VALVE (032) AND TUBE (031) WITH A LONG  
NOSE PLIERS.

# PISTON REPLACEMENT

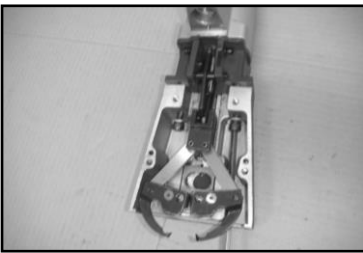


**NOTE : DISCONNECT THE AIR SUPPLY**

REMOVE SCREWS ( 530 ) WITH 4 mm HEXAGON WRENCH KEY .

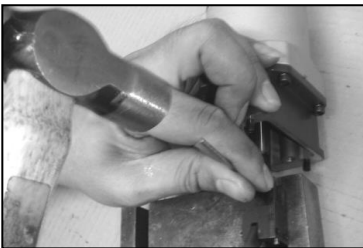


REMOVE THE MAGAZINE ASSEMBLY ( 039 ) AND PLATE (016).

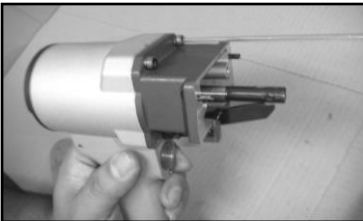


LOOSEN SCREW (505) WITH 5mm HEX. WRENCH KEY AND REMOVE MAGAZINE SEAT ASSEMBLY (004).

PULL CLINCHERS (014) ASSEMBLY UP AWAY FROM SUPPORT (017).



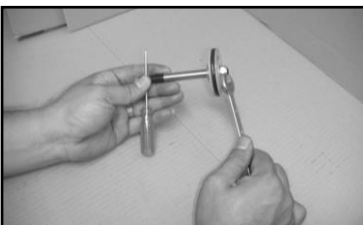
TAKE AWAY SHAFT (044) WITH 3mm PIN AND HAMMER. THEN TAKE AWAY CLINHITZR'S ASSEMBLY (014).



LOOSEN SCREW ( 515 ) WITH 3 mm HEXAGON WRENCH KEY, REMOVE CONNECTR (021) .



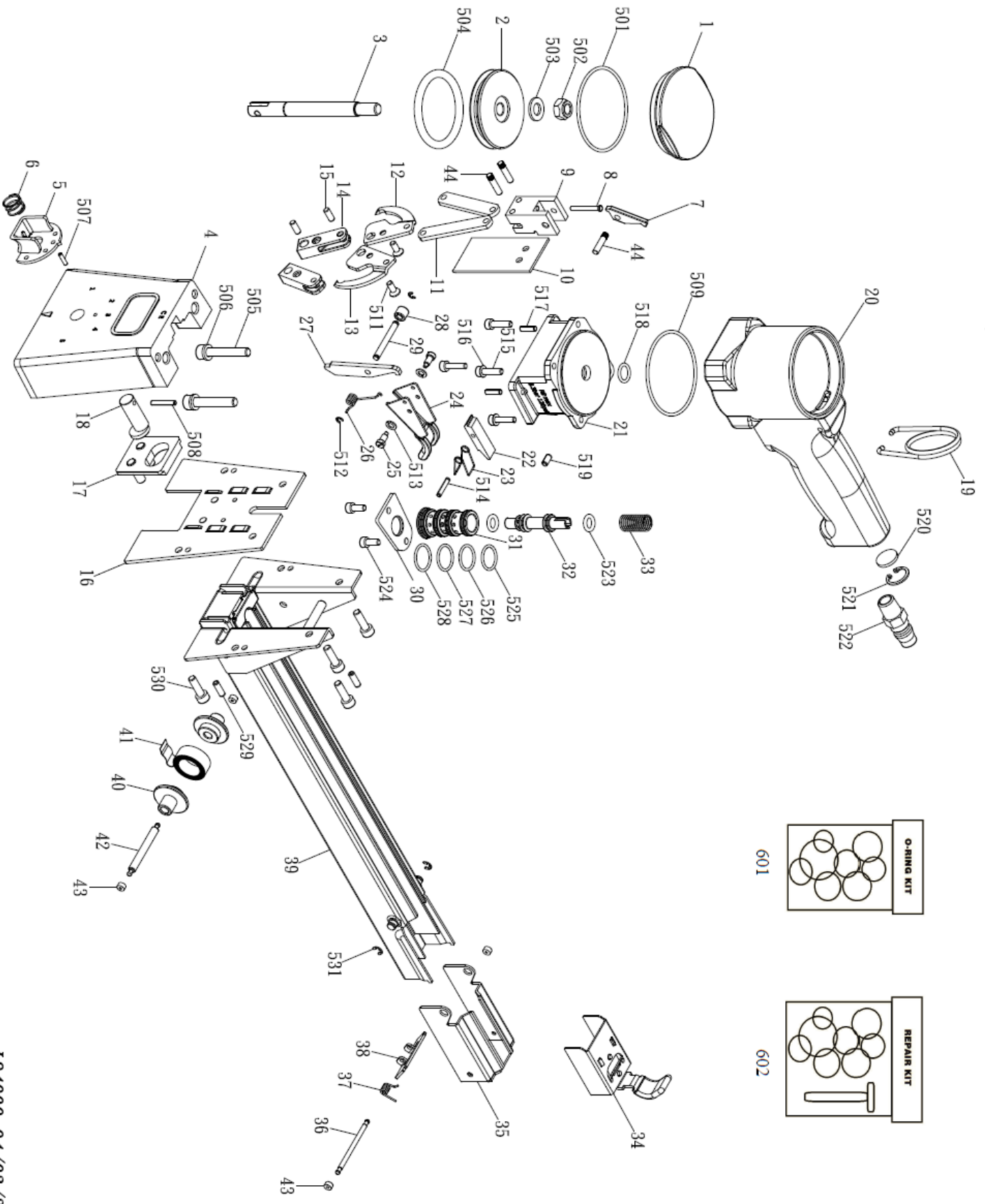
LOOSEN CAP (001) WITH 56 mm SPANNER AND REMOVE CAP (001) .



REMOVE PISTON ASSEMBLY. LOOSEN NUT ( 502 ) WITH 16 mm SPANNER .

REMOVE PISTON ( 002 ) AND EXCHANGE A NEW ONE .

# MODEL : KP-561C-15PN, KP-561C-18PN





## PARTS LIST ( KP-561C-15PN)

\*WHEN ORDERING SPARE PARTS, PLEASE STATE ITEM No, PART NO. AND DESCRIPTION.

ITEM	PART NO	DESCRIPTION	QTY	ITEM	PART NO	DESCRIPTION	QTY	ITEM	PART NO	DESCRIPTION	QTY
001	94000101	CAP	1	035	94003501	BALANCER	1	526	91006201	O-RING**	1
002	94000201	PISTON	1	036	94003601	ROD	1	527	91006301	O-RING**	1
003	94000301	PISTON ROD	1	037	94003701	SPRING	1	528	91006401	O-RING**	1
004	94000401	LOWER BODY	1	038	94003801	SPRING LATCH	1	529	94006301	TENSION PIN	2
005	94000501	DEPTH CONTROL KNOB	1	039	94003901	MAGAZINE UNIT	1	530	94006401	HEX. SOC. HD. BLOT	4
006	94000601	SPRING	1	040	94004001	ROLLER	2	531	94006501	E-RING	2
007	94000701	RELEASE LATCH	1	041	94004101	FEED SPRING	1	601	ORL9400075021	O-RING KIT	1
008	94000801	TRIGGER VALVE STEM	1	042	94004201	STEPPED PIN	1	602	ORL9400075021	REPAIR KIT	1
009	94000901	CONNECTING BLOCK	1	043	94004301	RUBBER WASHER	4				
010	94001001	DRIVER	1	044	94004401	ROD	3				
011	94001101	LINK	2	501	94004501	O-RING	1				
012	94001201	RIGHT TEETH	1	502	94004601	LOCK NUT	1				
013	94001301	LEFT TEETH	1	503	94004701	WASHER	1				
014	94001401	TEETH SEAT	2	504	94004801	O-RING	1				
015	94001501	ROD	2	505	94004901	HEX. SOC. HD. BLOT	2				
016	94001601	FRONT PLATE	1	506	92702401	WASHER	2				
017	94001701	DRIVER GUIDE UNIT	1	507	94005001	SPRING PIN	1				
018	94001801	ROD	1	508	91005601	SPRING PIN	1				
019	94001901	HOOK	1	509	94005101	O-RING	1				
020	94002001	BODY	1	511	94005201	HEX. SOC. FLAT COUNTER SNK	2				
021	94002101	CYLINDER CHASSIS	1	512	94005301	E-RING	2				
022	94002201	VALVE STEM TOGGLE	1	513	91005001	SPRING WASHER	2				
023	94002301	SPRING	1	514	94005401	SPRING PIN	1				
024	94002401	TRIGGER	1	515	94005501	HEX. SOC. HD. BLOT	4				
025	94002501	TRIGGER SCREW	2	516	94005601	WASHER	4				
026	94002601	SPRING	1	517	94005701	SPRING PIN	1				
027	94002701	TOGGLE LATCH	1	518	94005801	O-RING	1				
028	94002801	BUSHING	1	519	94005901	SPRING PIN	1				
029	94002901	ROD	1	520	94006001	SILENCER	1				
030	94003001	TRIGGER PLATE	1	521	94006101	C-RING	1				
031	94003101	TUBE	1	522	91000801	AIR PLUG	1				
032	94003201	VALVE	1	523	94006201	O-RING	2				
033	94003301	SPRING	1	524	91005801	HEX. SOC. HD. BOLT	2				
034	94003401	PUSHER UNIT	1	525	91006101	O-RING**	1				

NO : L94000

DATE: 04/02/2013

**PARTS LIST ( KP-561C-18PN)**

**\*WHEN ORDERING SPARE PARTS, PLEASE STATE ITEM No, PART NO. AND DESCRIPTION.**

ITEM	PART NO	DESCRIPTION	QTY	ITEM	PART NO	DESCRIPTION	QTY	ITEM	PART NO	DESCRIPTION	QTY
001	94000101	CAP	1	035	94003501	BALANCER	1	526	91006201	O-RING**	1
002	94000201	PISTON	1	036	94003601	ROD	1	527	91006301	O-RING**	1
003	94000301	PISTON ROD	1	037	94003701	SPRING	1	528	91006401	O-RING**	1
004	94000401	LOWER BODY	1	038	94003801	SPRING LATCH	1	529	94006301	TENSION PIN	2
005	94000501	DEPTH CONTROL KNOB	1	039	94003901	MAGAZINE UNIT	1	530	94006401	HEX. SOC. HD. BLOT	4
006	94000601	SPRING	1	040	94004001	ROLLER	2	531	94006501	E-RING	2
007	94000701	RELEASE LATCH	1	041	94004101	FEED SPRING	1	601	ORL9400075021	O-RING KIT	1
008	94000801	TRIGGER VALVE STEM	1	042	94004201	STEPPED PIN	1	602	ORDL9410075021	REPAIR KIT	1
009	94000901	CONNECTING BLOCK	1	043	94004301	RUBBER WASHER	4				
010	94100101	DRIVER	1	044	94004401	ROD	3				
011	94001101	LINK	2	501	94004501	O-RING	1				
012	94100201	RIGHT TEETH	1	502	94004601	LOCK NUT	1				
013	94100301	LEFT TEETH	1	503	94004701	WASHER	1				
014	94001401	TEETH SEAT	2	504	94004801	O-RING	1				
015	94001501	ROD	2	505	94004901	HEX. SOC. HD. BLOT	2				
016	94001601	FRONT PLATE	1	506	92702401	WASHER	2				
017	94001701	DRIVER GUIDE UNIT	1	507	94005001	SPRING PIN	1				
018	94001801	ROD	1	508	91005601	SPRING PIN	1				
019	94001901	HOOK	1	509	94005101	O-RING	1				
020	94002001	BODY	1	511	94005201	HEX. SOC. FLAT COUNTER SNK	2				
021	94002101	CYLINDER CHASSIS	1	512	94005301	E-RING	2				
022	94002201	VALVE STEM TOGGLE	1	513	91005001	SPRING WASHER	2				
023	94002301	SPRING	1	514	94005401	SPRING PIN	1				
024	94002401	TRIGGER	1	515	94005501	HEX. SOC. HD. BLOT	4				
025	94002501	TRIGGER SCREW	2	516	94005601	WASHER	4				
026	94002601	SPRING	1	517	94005701	SPRING PIN	1				
027	94002701	TOGGLE LATCH	1	518	94005801	O-RING	1				
028	94002801	BUSHING	1	519	94005901	SPRING PIN	1				
029	94002901	ROD	1	520	94006001	SILENCER	1				
030	94003001	TRIGGER PLATE	1	521	94006101	C-RING	1				
031	94003101	TUBE	1	522	91000801	AIR PLUG	1				
032	94003201	VALVE	1	523	94006201	O-RING	2				
033	94003301	SPRING	1	524	91005801	HEX. SOC. HD. BOLT	2				
034	94003401	PUSHER UNIT	1	525	91006101	O-RING**	1				