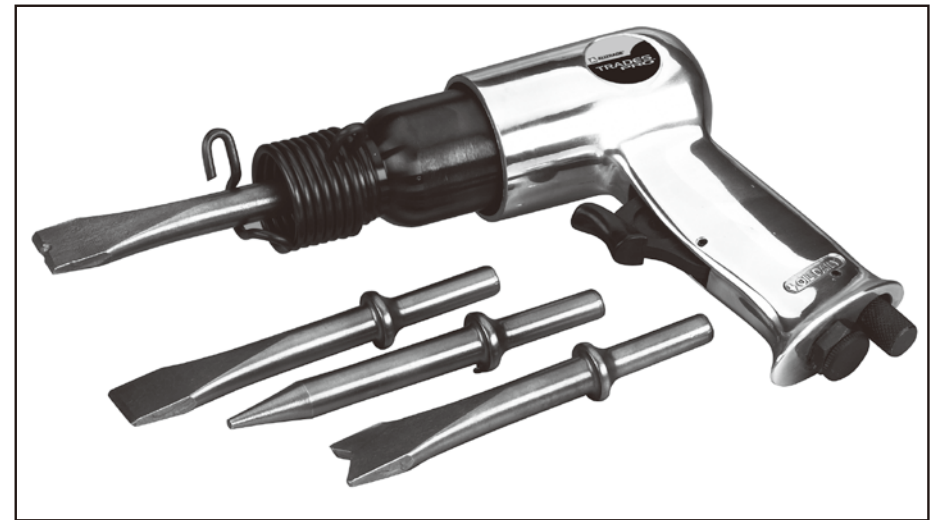


ALLTRADE®
TRADES PRO®

Model #836668

PNEUMATIC TOOL INSTRUCTION MANUAL
AIR HAMMER



FOR CUSTOMER SERVICE CALL:
1-800-423-3598

SERVICE FACILITY:
Distribution & Returns
Reno, NV 89508
www.alltradetools.com
Made in China

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please contact our toll free Customer Service Department at:
1-800-423-3598

⚠WARNING

SOME DUST CREATED BY SPRAYING, BLOWING, POWER SANDING, SAWING, GRINDING, DRILLING AND OTHER CONSTRUCTION ACTIVITIES CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

READ CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE, INSTALL, OPERATE OR MAINTAIN THIS TOOL. PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INSTRUCTIONS. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE. SAVE INSTRUCTIONS FOR FUTURE REFERENCE.

CAUTION: Maximum operating pressure is 90 PSI. Never use higher air pressure to increase the output of the Air Hammer. Overloading will drastically shorten the life of all internal parts.

CAUTION: Disconnect Air Hammer from power air supply before servicing or changing spring retainers.

GENERAL SAFETY INFORMATION

BEFORE OPERATING YOUR AIR TOOL, READ THE FOLLOWING INFORMATION:

1. Always operate, inspect and maintain this tool in accordance with ANSI Safety Codes for Air Tools (ANSI B186.1) and/or other applicable safety codes and regulations.
2. Never operate this tool over 90 PSI air pressure at the tool.
3. Always wear safety goggles or safety glasses when operating this tool.
4. Always turn off the air supply before installing, removing or adjusting any accessory on this tool, or before performing any maintenance on this tool. Failure to do so could result in injury.
5. Use a dust mask if being used in a dusty atmosphere.
6. Keep body working stance balanced and firm.
7. Always use the spring retainer furnished with the tool.
8. Place the bit on the work before starting the tool.
9. Protect the air hose from sharp objects and heat.
10. Continuous use of vibrating tools by susceptible users may cause damage to the hands.
11. Wear gloves and protective clothing to help prevent injury from flying particles.
12. Keep the tool in good operating condition.

Maintenance

Daily before putting the tool into operation, disconnect air hose and pour about one tablespoonful of recommended oil (Marvel Mystery Oil) into the tool air inlet. Blow out airline to clear it of accumulated dirt and moisture, connect tool and operate on low throttle to allow oil to be carried to the interior of the tool.

The chisel retainers are not designed for complete safety against accidental release of bits or chisels. To avoid injury, the trigger must never be depressed unless the chisel is held firmly against the work piece. When tool is not in actual use, the chisel should be removed. Always place a bit in the Hammer and hold the tool down to the work before operating. Damage to the tool to the retainer may result if this precaution is not followed.

Specifications

Blows Per Minute:	4500 BPM
Stroke:	1-5/8"
Air Inlet Size:	1/4" NPT
Hose Size:	3/8" ID
Recommended Air Pressure:	90 PSI
Average Air Consumption:	4-8 CFM @ 90 PSI
Length (Less Retainer):	5-1/4"

Hold the front end of spring retainer and screw it onto the gun cylinder.



Hold the rear end of spring retainer and screw it off from the gun cylinder.



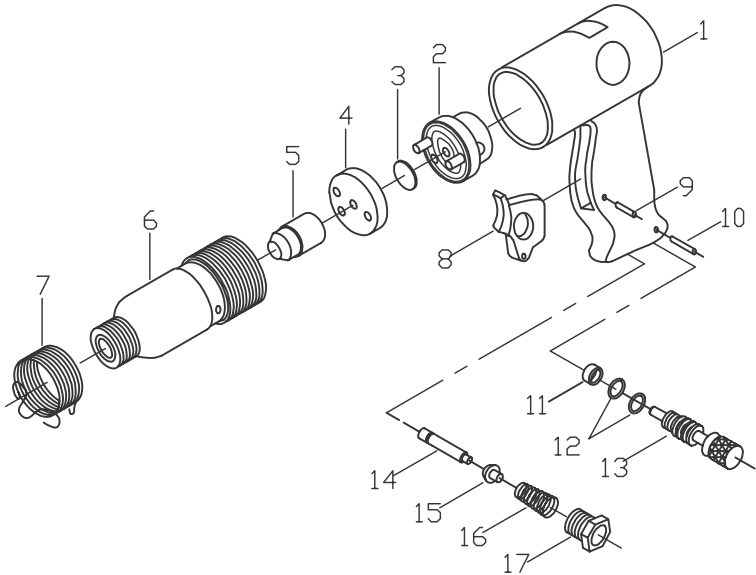
Troubleshooting Guide		
Trouble	Possible Cause	Solution
Unit will not work	Plugged air inlets	Remove fitting and clean
	Interior rusted	Disassemble, clean, lube and reassemble
Unit lacks power	Low air supply	Check hoses, tanks, etc.
	Lack of lubrication	Lube properly and retry
Internal parts	Dirty or gummed	Disassemble, clean, lube
	Components worn	Disassemble, determine parts requiring replacement and repair

150mm HAMMER

Specification

Blow Per Minute.....4,600±10%**CFM**
 Stroke.....1-5/8"
 Ave Air Consumption.....4-8**CFM@90PSI**
 Length.....5-1/4"
 Air Inlet.....1/4"npt
 Recommended hose size..... 3/8" (I.D)

Parts List



Ref.	Part#	Description	QTY
1	1040-01	Housing	1
2	1040-02	Valve Case	1
3	1040-03	Valve Disc	1
4	1040-04	Bonnet	1
5	1040-05	Piston	1
6	1040-06	Cylinder	1
7	1040-07	Spring	1
8	1040-08	Trigger	1

Ref.	Part#	Description	QTY
9	GB/T879.1 3*14	Pin	1
10	GB/T879.1 3*18	Pin	1
11	1040-09	Choke Valve	1
12	1040-10	O-ring	2
13	1040-11	Throttle	1
14	1040-12	Valve Stem	1
15	1040-13	Intake Valve	1
16	1040-14	Spring	1
17	1040-15	Air Inlet	1

ALLTRADE®
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Model #836668

PNEUMATIC TOOL INSTRUCTION MANUAL
3/8" DRIVE AIR RATCHET WRENCH



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1431 Via Plata
Long Beach, CA 90810-1462
www.alltradetools.com
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BEFORE OPERATING THIS TOOL, READ AND UNDERSTAND ALL THE FOLLOWING INSTRUCTIONS:

1. Always inspect, maintain and operate in accordance with ANSI safety code for portable air tools (ANSI B186.1) and other local safety codes and regulations.
2. Do not operate this tool over 90 PSI air pressure at the tool.
3. Always wear safety goggles when operating this tool.
4. Always disconnect this tool from the air supply before installing, adjusting or removing any accessory in this tool, or before performing maintenance.
5. Always use a dust mask in dusty conditions.
6. Do not carry any air tool by the hose. Keep air hose away from heat and sharp objects.
7. Continuous use of vibrating air tools by susceptible users may cause damage to hands.
8. Always wear gloves and protective clothing to help prevent injury from flying particles.
9. Always lubricate and maintain tool in safe operating conditions.

Air Supply

Always use clean dry air as excessive moisture will lower the available torque and rust the interior moving parts. Make sure all hoses and fittings are of the recommended size and be sure the units are not used with less than or more than the recommended pressure at the tool! (90 PSI)

Lubrication

Proper lubrication of this air tool is critical to the operation and life of the unit. Units can be severely damaged or have excessive wear placed on working parts if not lubricated. We recommend the use of Marvel Mystery Oil which is available at most auto parts locations. The tool should be lubricated each time it is used. During daily prolonged use, lube heavily 3 or 4 times during the day.

Maintenance

Daily – before putting the tool in operation, disconnect air hose and pour about one tablespoonful of marvel mystery oil into tool air inlet. Blow out air line to clear it of accumulated dirt and moisture. Connect tool and operate tool to allow oil to be carried to the interior of the tool.

Yearly – flush the tool with a 50/50 mixture of paint thinner and oil. This will remove the sludge and grime which builds up and returns the tool to top efficiency.

Specifications

Capacity:	3/8"
Drive:	3/8"
RPM:	150 RPM
Max Torque (90 PSI):	45 FT. LBS.
Recommended air pressure:	90 PSI
Ave. Air consumption:	4-9 CFM @ 90 PSI
Air inlet:	1/4" NPT
Hose size:	3/8" (I.D.)
Uses: Reversible. As a nut runner for assembly or disassembly of autos, aircraft, trucks tractors, furniture and appliances.	

Troubleshooting Guide

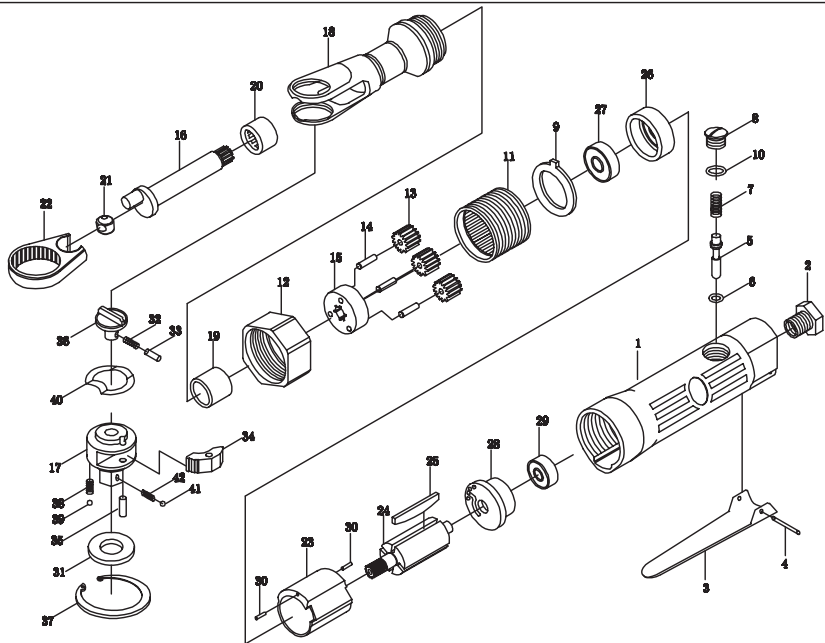
Trouble	Possible Cause	Solution
Unit will not work	Plugged air inlets	Remove fitting and clean
	Interior rusted	Disassemble, clean, lube and reassemble
Unit lacks power	Low air supply	Check hoses, tanks, etc.
	Lack of lubrication	Lube properly and retry
Internal parts	Dirty or gummed	Disassemble, clean, lube
	Components worn	Disassemble, determine parts requiring replacement and repair

3/8" DR-AIR RATCHET WRENCH

Specification

Free Speed.....	150±10%RPM	Air Inlet.....	1/4" npt
Max torque.....	45FT-LB@90PSI	Working pressure.....	90PSI
Ave Air Consumption.....	4-9CFM@90PSI	Air Exhaust.....	Front Exhaust
Recommended hose size.....	3/8" (I.D)		

Parts List



Ref.	Part#	Description	Q'TY
1	1060-01	Housing	1
2	1060-02	Air Inlet	1
3	1060-03	Trigger	1
4	1310-04	Trigger Pin	1
5	1060-04	Pin	1
6	1060-05	O-Ring	1
7	1060-06	Spring	1
8	1060-07	Brass nuts	1
9	1060-08	Plain washer	1
10	1060-09	O-Ring	1
11	1060-10	Ring Gear	1
12	1060-11	Hex nuts	1
13	1060-12	Idle gear	3
14	1060-13	Pin	3
15	1060-14	Planet Carrier	1
16	1060-15	Eccentric Shaft	1
17	1060-16	Anvil	1
18	1060-17	Ratchet Housing	1
19	1060-18	Bushing	1
20	HK121812 GB/T290-98	Bearing	1
21	1060-20	Drive Bushing	1
22	1060-21	Yoke	1

Ref.	Part#	Description	Q'TY
23	1060-22	Cylinder	1
24	1060-23	Rotor	1
25	1060-24	Blade	4
26	1060-25	Front Plate	1
27	608-Z GB/T278-89	Bearing	1
28	1060-26	End Plate	1
29	626-Z GB/T278-89	Bearing	1
30	GB/T879.1 1.5*6	Pin	2
31	1060-28	Lock Washer	1
32	1060-29	Spring	1
33	1060-30	Ejector Rob	1
34	1060-31	Ratchet Pawl	1
35	1060-32	Pin	1
36	1060-33	Direction Switch	1
37	GB/T893.1 30	Elastic Collar	1
38	1060-35	Spring	2
39	GB/T308-89 5/32"	Steel Ball	2
40	GB/T955 18	Elastic Washer	1
41	GB/308-89 3/16"	Steel Ball	1
42	1060-39	Spring	1

ALLTRADE®
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Model #836668

PNEUMATIC TOOL INSTRUCTION MANUAL
1/4" AIR DIE GRINDER



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3. Always wear safety goggles when operating this tool.
4. Always disconnect this tool from the air supply before installing, adjusting or removing any accessory in this tool, or before performing maintenance.
5. Always use a dust mask in dusty conditions.
6. Do not carry any air tool by the hose. Keep air hose away from heat and sharp objects.
7. Continuous use of vibrating air tools by susceptible users may cause damage to hands.
8. Always wear gloves and protective clothing to help prevent injury from flying particles.
9. Always lubricate and maintain tool in safe operating conditions.

Air Supply

Always use clean dry air as excessive moisture will lower the available torque and rust the interior moving parts. Make sure all hoses and fittings are of the recommended size and be sure the units are not used with less than or more than the recommended pressure at the tool! (90 PSI)

Lubrication

Proper lubrication of this air tool is critical to the operation and life of the unit. Units can be severely damaged or have excessive wear placed on working parts if not lubricated. We recommend the use of Marvel Mystery Oil which is available at most auto parts locations. The tool should be lubricated each time it is used. During daily prolonged use, lube heavily 3 or 4 times during the day.

Maintenance

Daily – before putting the tool in operation, disconnect air hose and pour about one tablespoonful of marvel mystery oil into tool air inlet. Blow out air line to clear it of accumulated dirt and moisture. Connect tool and operate tool to allow oil to be carried to the interior of the tool.

Yearly – flush the tool with a 50/50 mixture of paint thinner and oil. This will remove the sludge and grime which builds up and returns the tool to top efficiency.

Specification

Capacity:	1/4" (1/8")
RPM:	22000 RPM
Recommended air pressure:	90 PSI
Ave. Air consumption:	4-9 CFM @ 90 PSI
Air inlet:	1/4" NPT
Hose size:	3/8" (I.D.)
These are only approximate figures dependent on hose size, compressor, output, etc.	

Troubleshooting Guide

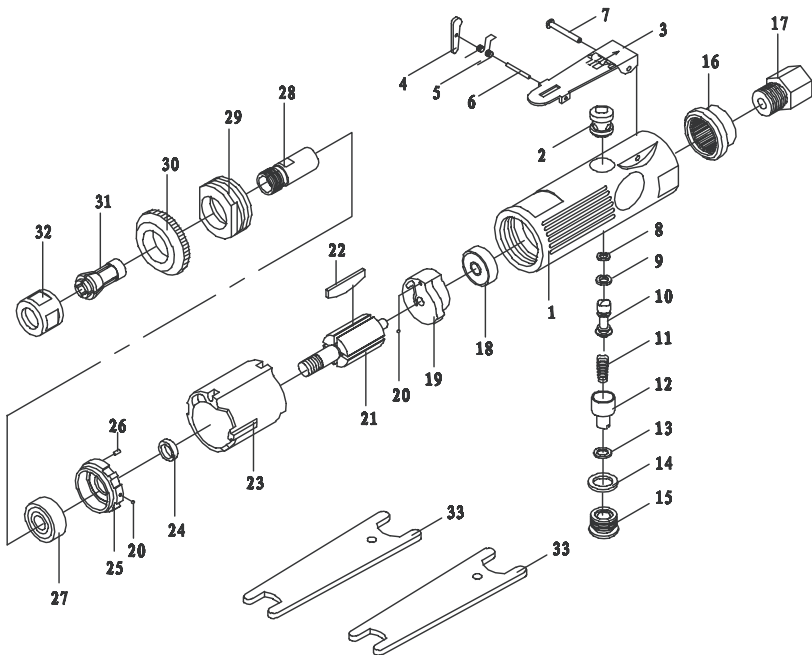
Trouble	Possible Cause	Solution
Unit will not work	Plugged air inlets	Remove fitting and clean
	Interior rusted	Disassemble, clean, lube and reassemble
Unit lacks power	Low air supply	Check hoses, tanks, etc.
	Lack of lubrication	Lube properly and retry
Internal parts	Dirty or gummed	Disassemble, clean, lube
	Components worn	Disassemble, determine parts requiring replacement and repair

DIE GRINDER

Specification

Collet Size.....	1/4", (1/8")	Air Inlet.....	1/4" npt
Free Speed.....	22,000±10%RPM	Working pressure	90PSI
Ave Air Consumption.....	4-9CFM@90PSI	Air Exhaust.....	Rear Exhaust
Recommended hose size.....	3/8" (I.D)		

Parts List



Ref.	Part#	Description	Q'TY	Ref.	Part#	Description	Q'TY
1	1310-01	Housing	1	18	626-Z GB/T278-89	Bearing	1
2	1310-02	Brass Bushing	1	19	1310-16	End Plate	1
3	1310-03	Trigger	1	20	GB/T308-89 ø2.5	Steel Ball	2
4	1310-03	Locking Device	1	21	1310-18	Rotor	1
5	1310-03	Spring	1	22	1310-19	Blade	4
6	GB/T879.1 2*19	Pin	1	23	1310-20	Cylinder	1
7	1310-04	Trigger Pin	1	24	1310-21	Bush	1
8	1310-05	O-Ring	1	25	1310-22	Front Plate	1
9	1310-06	O-Ring	1	26	GB/T879.1 2*6	Pin	1
10	1310-07	Pin	1	27	6000-Z GB/T278-89	Bearing	1
11	1310-08	Conical Spring	1	28	1310-25	Collet Holder	1
12	1310-09	Adjustment Knob	1	29	1310-26	Check Ring	1
13	1310-10	O-Ring	1	30	1310-27	Front Plate	1
14	1310-11	O-Ring	1	31	1310-28	Collet	1
15	1310-12	Nuts	1	32	1310-29	Collet Nut	1
16	1310-13	Muffle Cover	1	33	1310-30	Wrench	2
17	1310-14	Air Inlet	1				

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PNEUMATIC TOOL INSTRUCTION MANUAL
1/2" DRIVE AIR IMPACT WRENCH



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3. Always wear safety goggles when operating this tool.
4. Always disconnect this tool from the air supply before installing, adjusting or removing any accessory in this tool, or before performing maintenance.
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6. Do not carry any air tool by the hose. Keep air hose away from heat and sharp objects.
7. Continuous use of vibrating air tools by susceptible users may cause damage to hands.
8. Always wear gloves and protective clothing to help prevent injury from flying particles.
9. Always lubricate and maintain tool in safe operating conditions.

Air Supply

Always use clean dry air as excessive moisture will lower the available torque and rust the interior moving parts. Make sure all hoses and fittings are of the recommended size and be sure the units are not used with less than or more than the recommended pressure at the tool! (90 PSI)

Lubrication

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Maintenance

Daily – before putting the tool in operation, disconnect air hose and pour about one tablespoonful of marvel mystery oil into tool air inlet. Blow out air line to clear it of accumulated dirt and moisture. Connect tool and operate tool to allow oil to be carried to the interior of the tool.

Yearly – flush the tool with a 50/50 mixture of paint thinner and oil. This will remove the sludge and grime which builds up and returns the tool to top efficiency.

Specification

Capacity:	1/2"
Drive:	1/2"
RPM:	7000 RPM
Max Torque (90 PSI):	230 FT. LBS.
Recommended air pressure:	90 PSI
Ave. Air consumption:	5-10 CFM @ 90 PSI
Air inlet:	1/4" NPT
Hose size:	3/8" (I.D.)
Output as follows:	#1 123-140 FT. LBS. #2 155-170 FT. LBS. #3 175-190 FT. LBS. #4 195-230 FT. LBS.
These are only approximate figures dependent on hose size, compressor, output, etc.	

Troubleshooting Guide

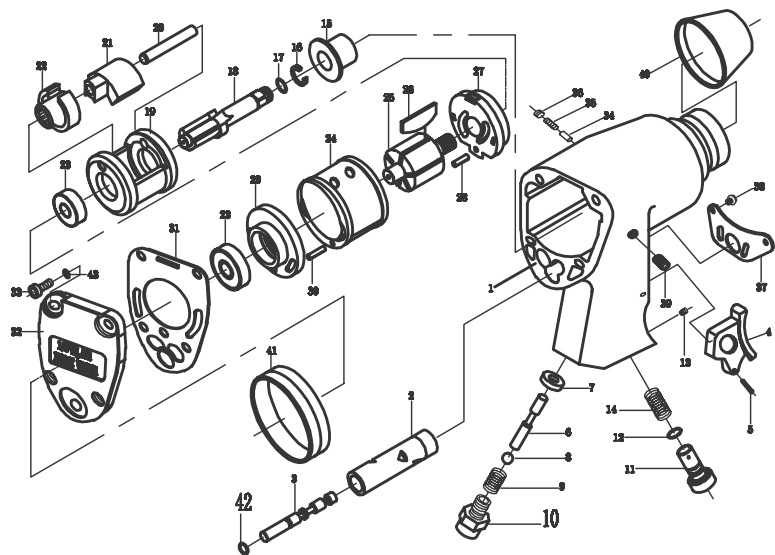
Trouble	Possible Cause	Solution
Unit will not work	Plugged air inlets	Remove fitting and clean
	Interior rusted	Disassemble, clean, lube and reassemble
Unit lacks power	Low air supply	Check hoses, tanks, etc.
	Lack of lubrication	Lube properly and retry
Internal parts	Dirty or gummed	Disassemble, clean, lube
	Components worn	Disassemble, determine parts requiring replacement and repair

1/2" DRIVE IMPACT WRENCH

Specification

Capacity.....	1/2"	Air Inlet.....	1/4" npt
Free Speed.....	7,000±10%RPM	Working Pressure	90PSI
Ave. Air Consumption.	5-10CFM	Air Exhaust.....	Front Exhaust
Recommended hose size.....	3/8" (I.D)		

Parts List



Ref.	Part#	Description	QTY
1	1070-01	Housing	1
2	1070-02	Reversal Valve	1
3	1070-03	Control	1
4	1070-04	Trigger	1
5	GB/T879.1 3*14	Pin	1
6	1070-06	Pin	1
7	1070-07	Bushing	1
8	GB/T308-89 3/8"	Steel Ball	1
9	1070-09	Conical Spring	1
10	1070-10	Air Inlet	1
11	1070-11	Flow Control Valve	1
12	1060-09	O-Ring	1
13	GB/T70.1 M5*8	Screw	1
14	1070-14	Spring	1
15	1070-15	Bushing	1
16	1070-16	Anvil Collet	1
17	1070-17	O-Ring	1
18	1070-18	Driving Shaft	1
19	1070-19	Hammer Cage	1
20	1070-20	Pin	1
21	1070-21	Hammer Dog	1
22	1070-22	CAM	1

Ref.	Part#	Description	QTY
23	6001-Z GB/T278-89	Bearing	2
24	1070-24	Cylinder	1
25	1070-25	Rotor	1
26	1070-26	Blade	6
27	1070-27	Front Plate	1
28	GB/T879.1 3*10	Pin	1
29	1070-29	End Plate	1
30	GB/T879.1 3*16	Pin	1
31	1070-32	Gasket	1
32	1070-33	Cap	1
33	GB/T70.1 M5*16	Screw	4
34	1070-35	Pin	1
35	1070-36	Spring	1
36	GB/T77 M5*6	Screw	1
37	1070-38	Cap	1
38	GB/T845 ST2. 9*8	Screw	2
39	GB/T77 M8*8	Screw	1
40	1070-41	Jacket	1
41	1070-42	Jacket	1
42	1070-43	O-Ring	1
43	GB/T93 5	Washer	4
			1