

**Nitto Kohki**  
**JET CHISEL® NEEDLE SCALERS**

**Acorn Industrial Products Co**  
 520 Hertzog Boulevard | King of Prussia, PA 19406  
**Phone** 800-523-5474 | **Fax** 800-782-6780  
**E-Mail** acorn@acornindprod.com | **Web** acornindprod.com



**JEX-28 Jet Chisel Needle Scaler - Heavy Duty**

**JEX-24 Jet Chisel Needle Scaler - Medium Duty**

Model	JEX-28
Air Pressure	85 psi
Air Consumption	12.4 CFM
Strokes per minute	4,500 SPM
Standard Needles with Machine	3 x 180mm
Optional Needle Size	2 or 4 x 180mm
Hose Size Requirement	3/8" ID
Dimension (Length)	9-1/2"
Weight	7.7 lbs.

Model	JEX-24
Air Pressure	85 psi
Air Consumption	9.5 CFM
Strokes per minute	4,000 SPM
Standard Needles with Machine	3 x 180mm
Optional Needle Size	2 or 4 x 180mm
Hose Size Requirement	3/8" ID
Dimension (Length)	7-1/2"
Weight	6.1 lbs.

Accessories Included:  
 6mm allen wrench, threaded adapter PT3/8" x NPT3/8"  
 hose nipple PT3/8" x 3/8", 4mm needle supporter &  
 needles included

Accessories Included:  
 6mm allen wrench, hose nipple PT3/8" x 3/8"  
 threaded adapter PT3/8" x NPT3/8"



**JC-16 Jet Chisel Needle Scaler - Light Duty**

**JEX-20 Jet Chisel Needle Scaler - Low Vibration**

Model	JC-16
Air Pressure	85 psi
Air Consumption	5.3 CFM
Strokes per minute	4,000 SPM
Standard Needles with Machine	2 x 150mm
Hose Size Requirement	3/8" ID
Dimension (Length)	6-1/4"
Weight	3.1 lbs.

Model	JEX-20
Air Pressure	85 psi
Air Consumption	7.1 CFM
Strokes per minute	4,000 SPM
Standard Needles with Machine	3 x 180mm
Optional Needle Size	2 x 180mm
Hose Size Requirement	3/8" ID
Dimension (Length)	9-1/2"
Weight	6.1 lbs.

Accessories Included:  
 threaded adapter PT3/8" x NPT3/8" hose nipple PT3/8"  
 x 3/8"

Accessories Included:  
 hose nipple PT3/8" x 3/8" threaded adapter PT3/8" x  
 NPT3/8"

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**JT-20 Jet Chisel Needle Scaler - Medium Duty**

Model	JT-20
Air Pressure	85 psi
Air Consumption	7.1 CFM
Strokes per minute	4,000 SPM
Standard Needles with Machine	3 x 180mm
Optional Needle Size	2 x 180mm
Hose Size Requirement	3/8" ID
Dimension (Length)	9-1/2"
Weight	5.3 lbs.

Accessories Included:  
 threaded adapter PT3/8" x NPT3/8" hose nipple  
 PT3/8" x 3/8"

**AJC-16 Jet Chisel Needle Scaler - Slim Model**

Model	AJC-16
Air Pressure	85 psi
Air Consumption	2.6 CFM
Strokes per minute	6,000 SPM
Standard Needles with Machine	3 x 180mm
Hose Size Requirement	3/8" ID
Dimension (Length)	7-1/2"
Weight	2.2 lbs.

Accessories Included:  
 threaded adapter PT3/8" x NPT3/8"  
 hose nipple PT3/8" x 3/8"



**EJC-32A - Electric Needle Scaler**

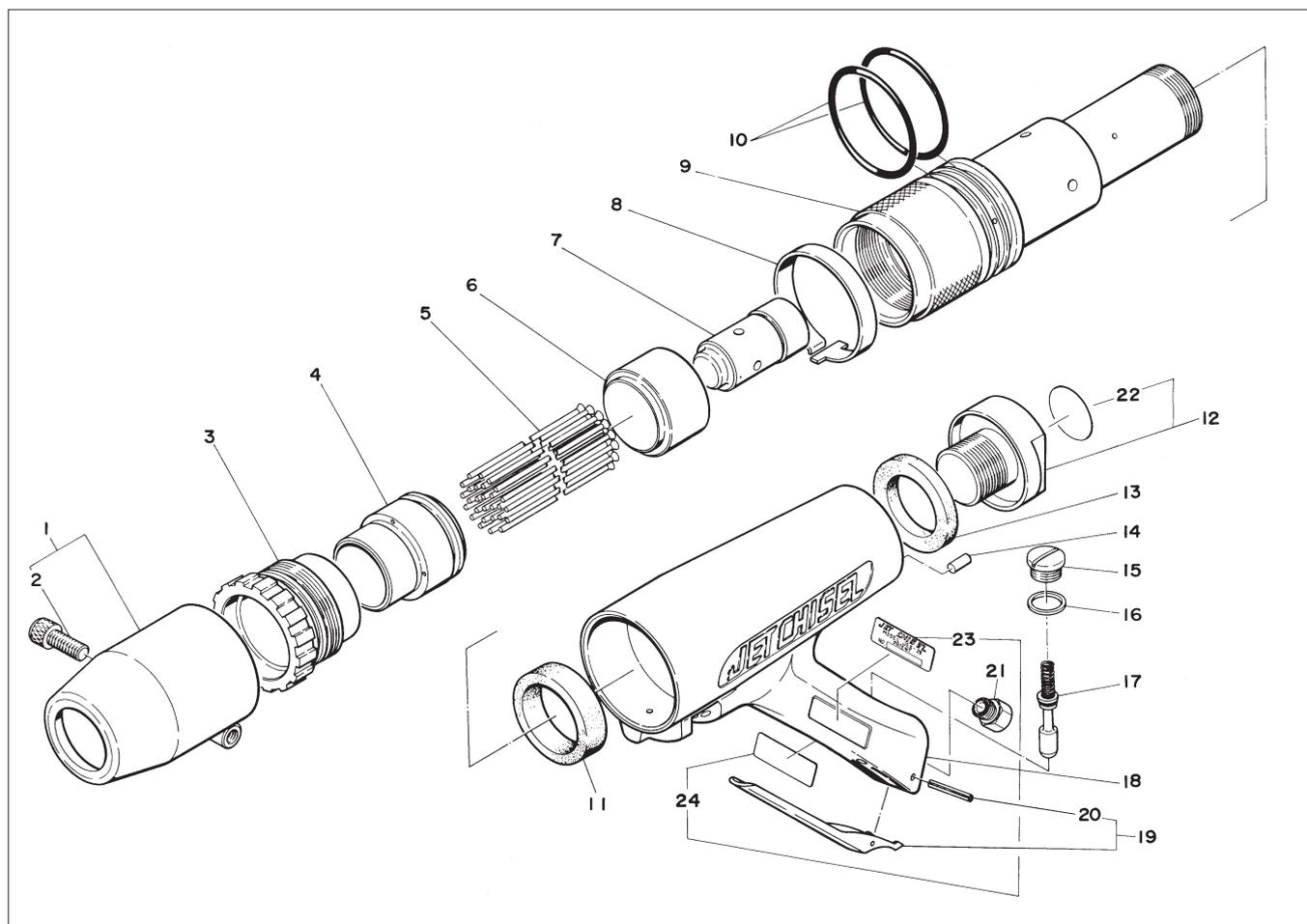
Model	EJC-32A
Power Supply	110V-120V
Power Consumption	300 watts
Rated Current	2.8 amps
Duty Cycle	30 minutes
Strokes per minute	3,000 SPM
Standard Needles with Machine	3 x 180mm
Optional Needle Size	2 x 180mm
Power Cord Length	16-1/2"
Dimension (L x W x H)	10-15/32" x 3-7/32" x 6-3/4"
Weight	9.9 lbs.

Accessories Included:  
 6mm allen wrench

**Features**

- **Double Insulation**
- Operates on a standard 120V current
- Powerful 300W double insulated motor
- Extended length, slim barrel design
- Adjustable front handle for operator convenience and comfort
- One year limited warranty

# JET CHISEL JEX-28 ASSEMBLY AND PARTS LIST



The parts numbers with ( ) are included in the Ass'y parts written above them.

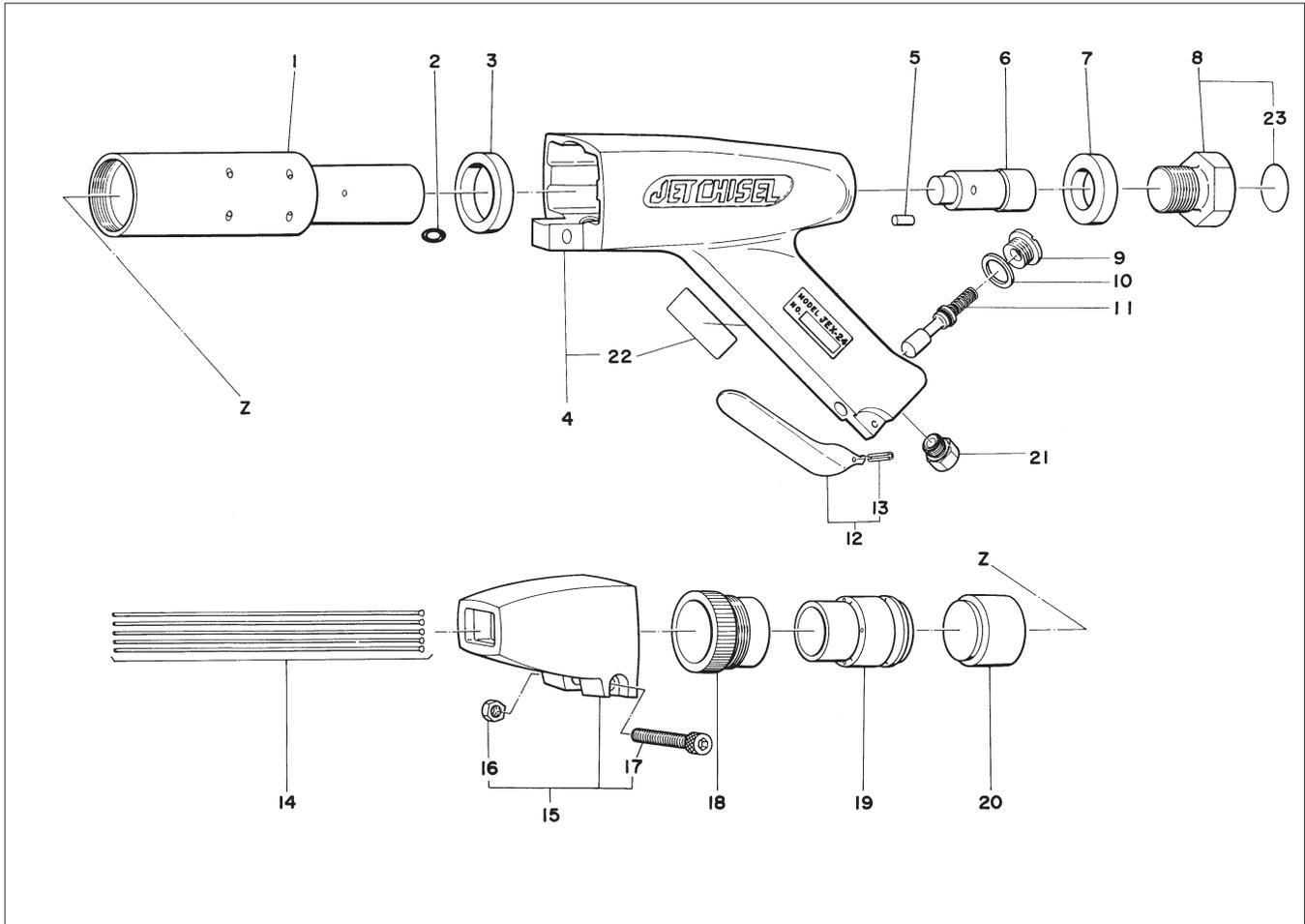
No.	Part No.	Part Name	Q'ty	Price
1	TA93365	Round Needle Guide Ass'y	1 set	
2	(TP00045)	Hex. Bolt 8 X 25	1	
3	TP01464	Stop Ring	1	
4	TP01461	Needle Supporter – 3mm	1	
5	TP00341	Needles – 3 X 180mm	28	
6	TP00399	Throttle Anvil	1	
7	TP00395	Piston	1	
8	TP01466	Safety Band	1	
9	TP01463	Cylinder	1	
10	TP11993	O-Ring W-4	2	
11	TP01474	Front Washer	1	
12	TA90452	Rear Bolt Ass'y	1 set	
22	(TP01480)	Name Plate	1	
13	TP01475	Rear Washer	1	
14	TP01478	Cylinder Lock Pin	1	

No.	Part No.	Part Name	Q'ty	Price
15	TP00389	Valve Cap	1	
16	TP00388	Valve Packing	1	
17	TA90037	Throttle Valve Ass'y	1 set	
18	TA90410	Housing Sub Ass'y	1 set	
23	(TP01471)	Name Plate JEX-28	1	
24	(TQ02207)	Label CE-Mark	1	
19	TP01557	Throttle Lever	1	
20	(TQ00563)	Spring Pin 3 X 20	1	
21	TQ02349	Reducer M16 X PT3/8	1	

## ACCESSORIES

	TP00170	Hex. Wrench Key 6	1	
	TP01499	Needle Supporter – 2mm	1	
	TP00342	Needles – 2 X 180mm	66	
	TP01462	Needle Supporter – 4mm	1	
	TP00402	Needles – 4 X 180mm	14	
	TP16451	Instruction Manual	1	
	TQ02350	Bushing PT3/8 X NPT3/8	1	
	TQ03262	Hose Nipple PT3/8 X 3/8	1	

# JET CHISEL JEX-24 ASSEMBLY AND PARTS LIST



The parts numbers with ( ) are included in the Ass'y parts written above them.

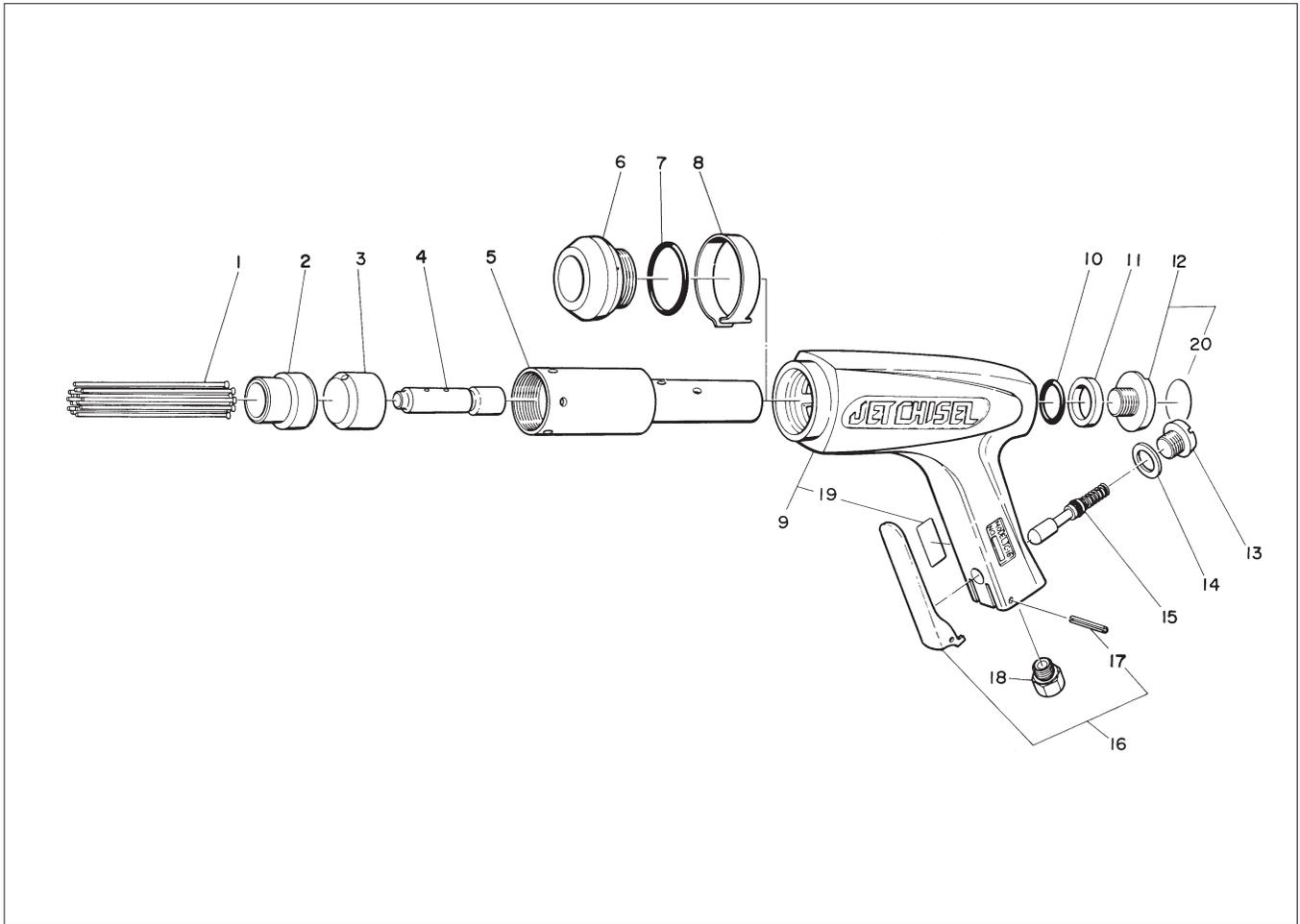
No.	Part No.	Part Name	Q'ty	Price
1	TP02241	Cylinder	1	
2	TP11992	O-Ring KS-9	1	
3	TP02250	Front Washer 34 X 46 X 7	1	
4	TA90904	Housing Sub Ass'y	1 set	
22	(TQ02207)	Label CE-Mark	1	
5	TP01478	Cylinder Lock Pin	1	
6	TP02242	Piston	1	
7	TP02249	Rear Washer	1	
8	TA93278	Rear Plug Ass'y	1	
23	(TP01480)	Name Plate	1	
9	TP00389	Valve Cap	1	
10	TP00388	Valve Packing	1	
11	TA90037	Throttle Valve Ass'y	1 set	
12	TP01557	Throttle Lever	1	
13	(TQ00563)	Spring Pin 3 X 20	1	

No.	Part No.	Part Name	Q'ty	Price
14	TP00341	Needles – 3 X 180mm	23	
15	TA93189	Needle Guide Ass'y	1 set	
16	(TQ01484)	Hex. Nut M8	1	
17	(TP16284)	Hex. Bolt 8 X 45	1	
18	TP02246	Lock Ring	1	
19	TP02245	Needle Supporter – 3mm	1	
20	TP02243	Throttle Anvil	1	
21	TQ02349	Reducer M16 X PT3/8	1	

## ACCESSORIES

No.	Part No.	Part Name	Q'ty	Price
	TP00170	Hex. Wrench Key 6	1	
	TP16451	Instruction Manual	1	
	TQ02350	Bushing PT3/8 X NPT3/8	1	
	TQ03262	Hose Nipple PT3/8 X 3/8	1	
	TP00342	Needles – 2 X 180mm	53	
	TP02244	Needle Supporter – 2mm	1	
	TP00402	Needles – 4 X 180mm	12	
	TP14992	Needle Supporter – 4mm	1	

# JET CHISEL JC-16 ASSEMBLY AND PARTS LIST



The parts numbers with ( ) are included in the Ass'y parts written above them.

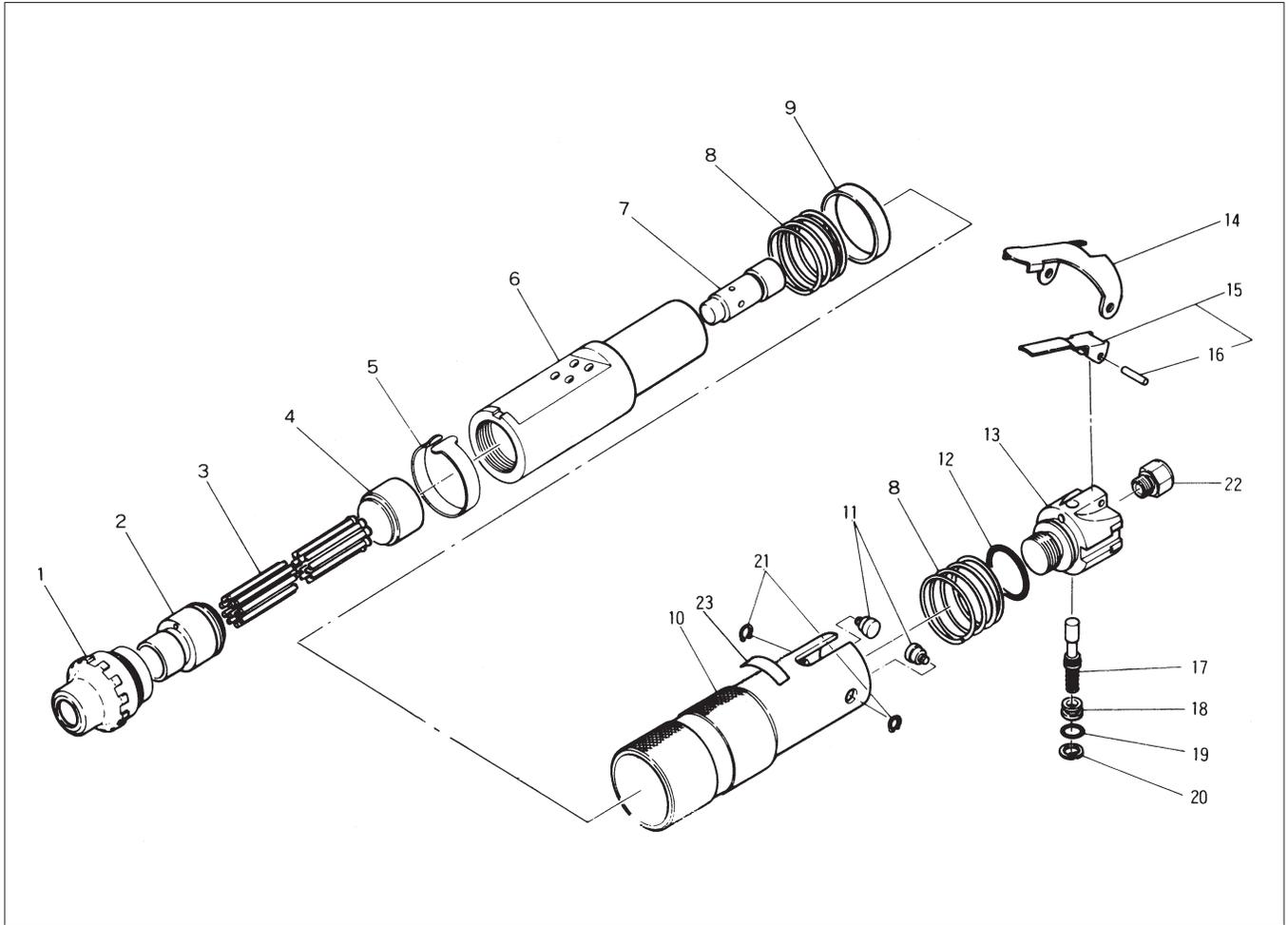
No.	Part No.	Part Name	Q'ty	Price
1	TP00291	Needles – 2 X 150mm	29	
2	TP00290	Needle Supporter – 2mm	1	
3	TP00289	Throttle Anvil	1	
4	TP00288	Piston	1	
5	TP00287	Cylinder	1	
6	TP00292	Lock Ring	1	
7	TP11987	O-Ring KS-24	1	
8	TP00295	Safety Band	1	
9	TP03329	Housing Sub Ass'y	1 set	
19	(TQ02207)	Label CE-Mark	1	
10	TP11986	O-Ring KS-19	1	
11	TP03336	Rear Washer	1	
12	TA93271	Stop Nut Ass'y	1 set	

No.	Part No.	Part Name	Q'ty	Price
20	(TP01480)	Name Plate	1	
13	TP00389	Valve Cap	1	
14	TP00388	Valve Packing	1	
15	TA90037	Throttle Valve Ass'y	1 set	
16	TP00327	Spring Pin 3 X 25	1	
16	TP00328	Throttle Lever	1	
17	(TQ00563)	Spring Pin 3 X 20	1	
18	TQ02349	Bushing M16 X PT3/8	1	

## ACCESSORIES

No.	Part No.	Part Name	Q'ty	Price
	TP00291	Needles – 2 X 150mm	29	
	TP16451	Instruction Manual	1	
	TQ02350	Bushing PT3/8 X NPT3/8	1	
	TQ03262	Hose Nipple PT3/8 X 3/8	1	

# JET CHISEL JEX-20 ASSEMBLY AND PARTS LIST



The parts numbers with ( ) are included in the Ass'y parts written above them.

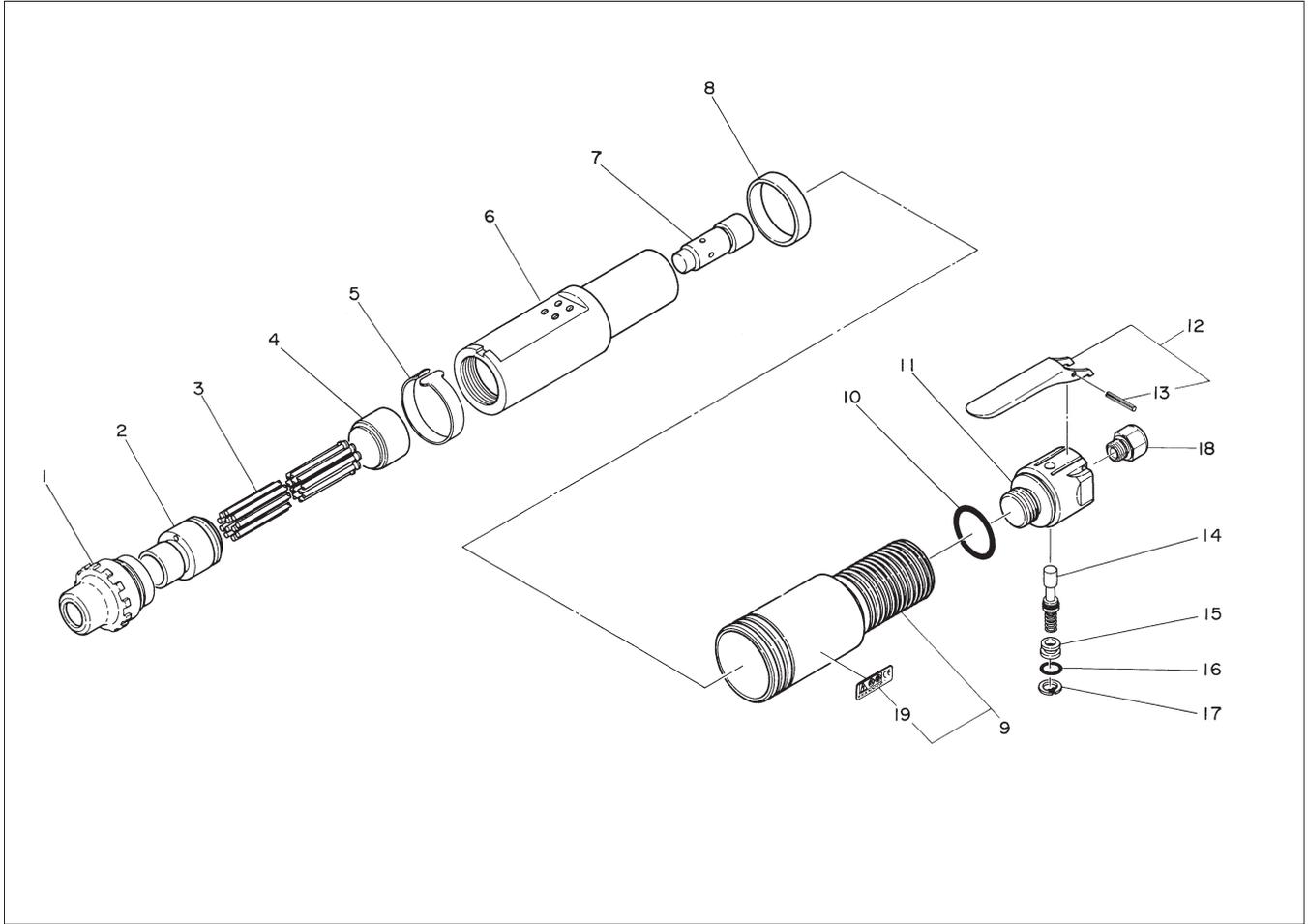
No.	Part No.	Part Name	Q'ty	Price
1	TP14689	Lock Ring	1	
2	TP00337	Needle Supporter – 3mm	1	
3	TP00341	Needles – 3 X 180mm	12	
4	TP00336	Throttle Anvil	1	
5	TP14593	Safety Band	1	
6	TA99176	Cylinder Ass'y	1 set	
7	TP00332	Piston	1	
8	TP14594	Spring 2.2 X 40.5 X 34	2	
9	TP14595	Stopper	1	
10	TB03110	Cover Ass'y	1 set	
23	(TQ02207)	Label CE-Mark	1	
11	TP14599	Lever Pin	2	
12	LP12795	O-Ring G-30	1	
13	TP15229	Valve Body	1	
14	TP14597	Throttle Lever	1	

No.	Part No.	Part Name	Q'ty	Price
15	TA98982	Throttle Lever Ass'y	1 set	
16	(TP01921)	Spring Pin 3 X 18	1	
17	TA98983	Throttle Valve Ass'y	1 set	
18	TP14601	Spring Seat	1	
19	TP14604	O-Ring S-10	1	
20	TP03695	Retaining Ring	1	
21	TP02853	Retaining Ring E-4	2	
22	TQ02349	Reducer M16 X PT3/8	1	

## ACCESSORIES

No.	Part No.	Part Name	Q'ty	Price
	TP00342	Needles – 2 X 180mm	29	
	TP00338	Needle Supporter – 2 mm	1	
	TQ02350	Bushing PT3/8 X NPT3/8	1	
	TQ03262	Hose Nipple PT3/8 X 3/8	1	
	TP16451	Instruction Manual	1	

# JET CHISEL JT-20 ASSEMBLY AND PARTS LIST



The parts numbers with ( ) are included in the Ass'y parts written above them.

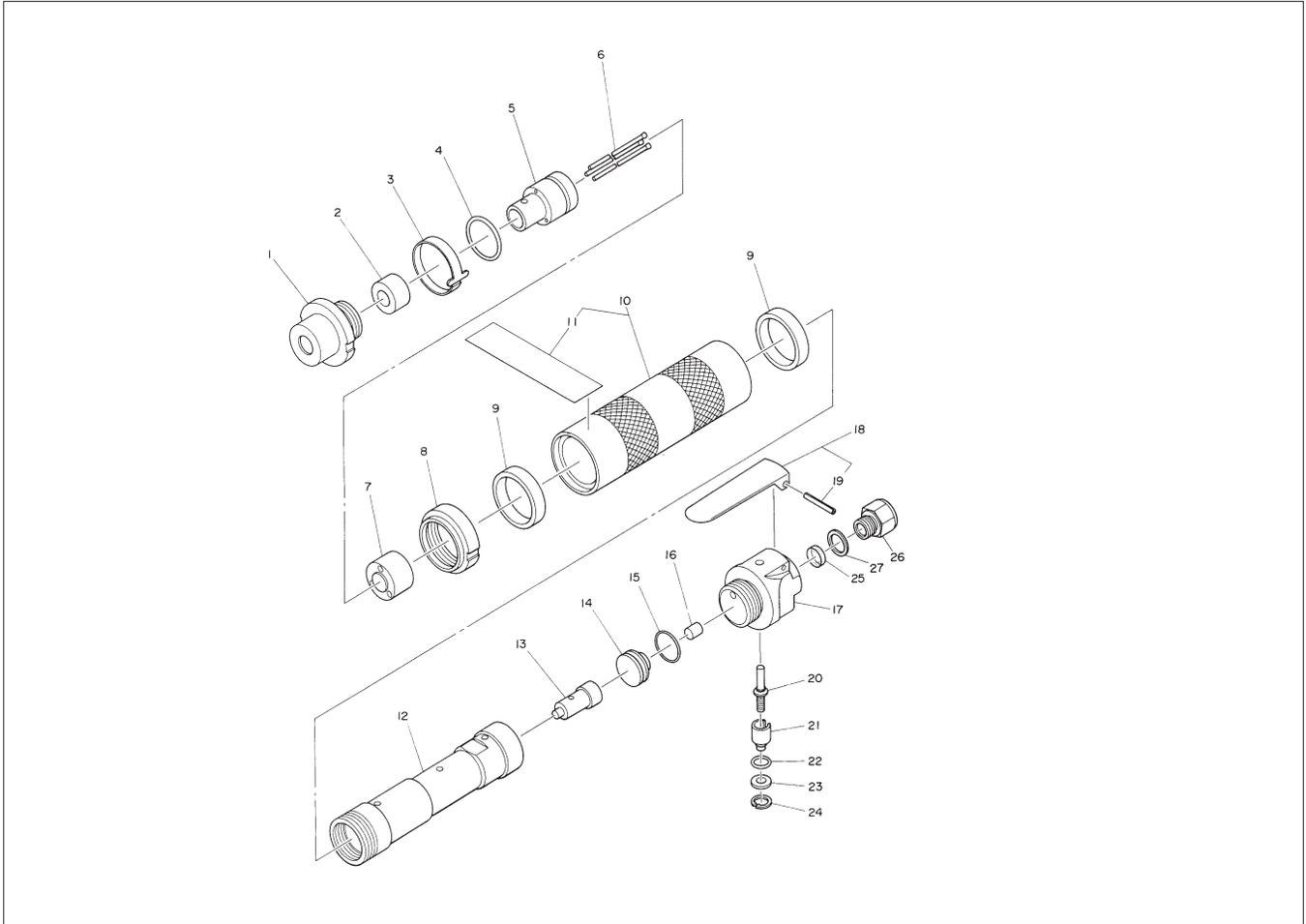
No.	Part No.	Part Name	Q'ty	Price
1	TP14689	Lock Ring	1	
2	TP00337	Needle Supporter – 3mm	1	
3	TP00341	Needles – 3 X 180mm	12	
4	TP00336	Throttle Anvil	1	
5	TP14593	Safety Band	1	
6	TA99176	Cylinder Ass'y	1 set	
7	TP00332	Piston	1	
8	TP15020	Stopper	1	
9	TP15018	Cover Ass'y	1 set	
19	(TQ02207)	Label CE-Mark	1	
10	LP12795	O-Ring G-30	1	
11	TP15230	Valve Body	1	

No.	Part No.	Part Name	Q'ty	Price
12	TP00328	Throttle Lever	1 set	
13	(TP00327)	Spring Pin 3 X 25	1	
14	TA98983	Throttle Valve Ass'y	1 set	
15	TP14601	Spring Seat	1	
16	TP14604	O-Ring S-10	1	
17	TP03695	Retaining Ring	1	
18	TQ02349	Reducer M16 X PT3/8	1	

## ACCESSORIES

	TP00338	Needle Supporter – 2mm	1	
	TP00342	Needles – 2 X 180mm	29	
	TP16451	Instruction Manual	1	
	TQ02350	Bushing PT3/8 X NPT3/8	1	
	TQ03262	Hose Nipple PT3/8 X 3/8	1	

# JET CHISEL AJC-16 ASSEMBLY AND PARTS LIST



The parts numbers with ( ) are included in the Ass'y parts written above them.

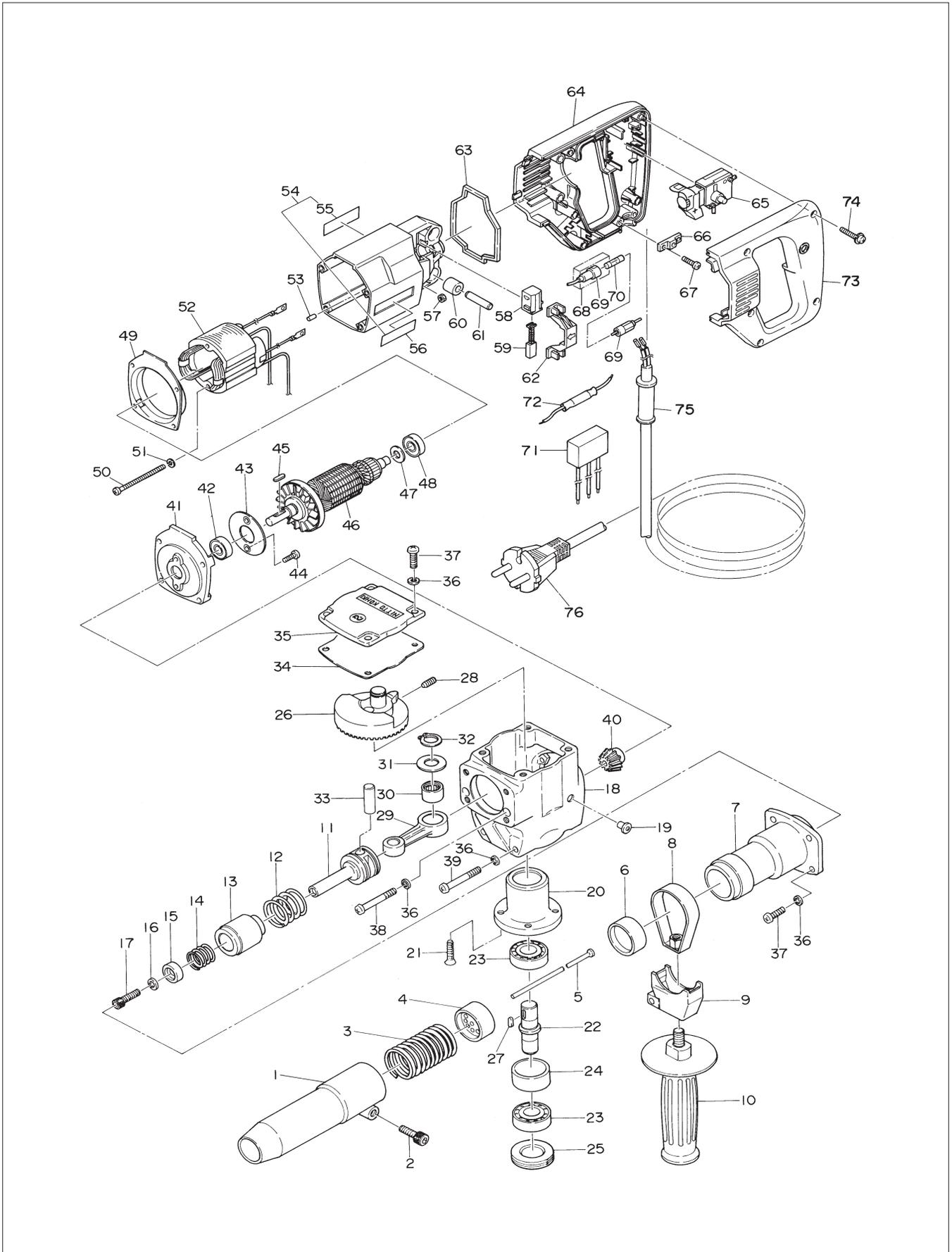
No.	Part No.	Part Name	Q'ty	Price
1	TQ04558	Lock Ring	1	
2	TQ04559	Muffer	1	
3	TQ03429	Lock Band	1	
4	CP01453	O-Ring P-22A	1	
5	TQ04554	Needle Supporter 3 mm	1	
6	—	Needle 3 X 180 mm	3	
7	TQ04562	Throttle Anvil	1	
8	TQ04557	Lock Nut	1	
9	TQ04556	Urethane Washer 30 X 34 X 6	2	
10	TB04325	Cover Ass'y	1 set	
11	(TQ05557)	Label Warning	1	
12	TQ04563	Cylinder	1	
13	TQ03427	Piston	1	
14	TQ04553	End Plate	1	
15	TP13275	O-Ring P-16	1	
16	TQ04564	Cushion	1	
17	TQ04966	Valve Body	1	
18	TB03778	Lever Ass'y	1 set	

No.	Part No.	Part Name	Q'ty	Price
19	(TP00460)	Spring Pin 3 X 22	1	
20	TA93070	Valve Stem Ass'y	1 set	
21	TP06325	Adjust Valve	1	
22	TP11997	O-Ring KS-7	1	
23	TP06326	Spacer 6 X 12 X 1.2	1	
24	TP03695	Retaining Ring	1	
25	TQ04929	Filter	1	
26	TQ02349	Bushing M16 X PT 3/8	1	
27	TQ05564	Washer 16.2 X 21 X 1	1	

## ACCESSORIES

		Needle 3 X 180mm	3	
	TP16451	Instruction Manual	1	
	TQ02350	Bushing PT3/8 X NPT3/8	1	
	TQ03262	Hose Nipple PT3/8 X 3/8	1	

# JET CHISEL EJC-32A AC110V-120V 60Hz ASSEMBLY AND PARTS LIST



The parts numbers with ( ) are included in the Ass'y parts written above them. (110V-120V)

No.	Part No.	Part Name	Q'ty	Price
1	TA99980	Anvil Guide Sub Ass'y	1 set	
2	TP00045	Hex. Bolt 8 X 25	1	
3	TP16300	Spring 3.2 X 32.3 X 60	1	
4	TP16301	3mm Needle Supporter	1	
5	TP00341	3 X 180mm Needles	15	
6	TP16302	Throttle Anvil	1	
7	TA99947	Cylinder Ass'y	1 set	
8	TP16351	Handle Holder	1	
9	TP16352	Holder Cover	1	
10	TP16350	Side Handle	1	
11	TP16339	Piston	1	
12	TP16340	Spring 5 X 26 X 28.5	1	
13	TP16341	Hammer	1	
14	TP16342	Spring 3.8 X 15.9 X 17.5	1	
15	TP16343	Stopper	1	
16	TP00629	Spring Washer M6	1	
17	TP06217	Hex. Bolt 6 X 25	1	
18	TP16335	Crank Case	1	
19	TP04104	Oil Cup w/Ball 1/4	1	
20	TP16336	Bearing Case	1	
21	TP00133	Flat Screw 5 X 30	4	
22	TP16337	Spindle	1	
23	TP01609	Ball Bearing 6202Z	2	
24	TP16338	Spacer 29.1 X 34.9 X 16	1	
25	TP16334	Bearing Set Screw	1	
26	TP16332	Gear	1	
27	TP09933	Sunk Key 4 X 4 X 12	1	
28	TP16333	Hex. Screw 5 X 14	1	
29	TP16358	Crank Rod	1	
30	TP16359	Needle Bearing HK1412	1	
31	TP16304	Thrust Washer	1	
32	TP02539	Retaining Ring G-14	1	
33	TP16303	Long Cylindrical Roller	1	
34	TP16305	Gasket	1	
35	TP16306	Cap	1	
36	TP00513	Spring Washer M5	12	
37	TP00511	+ Screw 5 X 15	8	
38	TQ02655	Tapping Screw 5 X 40	2	
39	TQ02656	Tapping Screw 5 X 100	2	
40	TP16309	Pinion	1	

No.	Part No.	Part Name	Q'ty	Price
41	TQ03268	Bearing Bracket	1	
42	TP06242	Ball Bearing 629ZZ	1	
43	TQ03269	Bearing Retainer	1	
44	TA91575	+ Screw 4 X 8	2	
45	TP10107	Sunk Key 3 X 3 X 8	1	
46	TB02530	Armature Sub Ass'y (115V)	1 set	
47	TQ03270	Washer	1	
48	TP16274	Ball Bearing 608V	1	
49	TQ03289	Fan Guide	1	
50	TQ03271	+ Screw 4 X 60	2	
51	TP04234	Washer M4	2	
52	TB02531	Stator Sub Ass'y 115V	1 set	
53	TQ03272	Rubber Plug	1	
54	TB02528	Frame Ass'y	1 set	
55	(TQ03185)	Specification Name Plate	1	
56	(TP16357)	Nitto Label	1	
57	LP30233	Hex. Nut M4	2	
58	TQ03273	Brush Holder	2	
59	TB02515	Carbon Brush Ass'y	1 set	
60	TQ03275	Absorbing Rubber B	2	
61	TQ03276	Cord Rod	2	
62	TQ03277	Brush Holder Retainer	2	
63	TQ03278	Absorbing Rubber A	1	
64	TQ03279	Switch Handle B	1	
65	TQ03280	Switch	1	
66	TQ03281	Cord Clamp	1	
67	TQ03282	+ Screw TPF 4 X 14	2	
68	TP16321	Sponge	1	
69	TQ03287	Fuse Holder 115V	1	
70	TQ03283	Fuse 5A	1	
71	TQ03284	Switch Handle A	1	
72	TQ03285	+ Screw YPF 4 X 20	5	
73	TQ03286	Strain Relief	1	
74	TB02513	Cabtyre Cord Ass'y 115V	1 set	

**ACCESSORIES**

	TP00170	Hex. Wrench Key 6	1	
	TP00341	3 X 180 mm Needles	15	
	TQ02916	Instruction Manual	1	