



## 109XPA and 1099XPA Air Ratchet Wrench Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
	Housing Assembly	109XPA-A40		Ratchet Housing Assembly	109XPA-A322
1	Housing	---	26	Ratchet Housing	---
2	Valve Seat	131-303	27	Crankshaft Needle Bearing	---
3	O-ring (2 per housing assembly)	109XPA-367	28	Crankshaft Ball Bearing	---
4	Ring	109XPA-338	29	Coupling Nut	109XPA-27
	Throttle Kit	109XPA-TK	30	Crankshaft	109XPA-35
5	Trigger	---	31	Drive Bushing	170-36
6	Throttle Valve	---	32	Yoke	109XPA-37
7	Throttle Valve Spring	---		Ratchet Head Kit	
8	Inlet Bushing Assembly	109XPA-A565		for 109XPA	109XPA-TRK1
	Exhaust Deflector Assembly			for 1099XPA	1099XPA-TRK1
	for 109XPA	109XPA-A123	33	Friction Ring	109XPA-427
	for 1099XPA	1099XPA-A123	34	Reverse Button	109XPA-38
9	Exhaust Deflector	---	35	Anvil Assembly	
10	Nameplate / Warning Label			for 109XPA	109XPA-D44
	for 109XPA	109XPA-301		for 1099XPA	1099XPA-D44
	for 1099XPA	1099XPA-301		Pawl Kit	109XPA-K43
	Motor Kit	109XPA-MK	36	Lock Spring	---
11	End Cap	---	37	Lock Pin	---
12	Rear Rotor Bearing	170-97	38	Pawl	---
	Rear End Plate Assembly	109XPA-A12	39	Pawl Retaining Pin	---
13	Rear End Plate	---		Spring Kit	109XPA-SK
14	Motor Alignment Pin	---	40	Friction Spring (3 per kit)	---
15	Rotor	109XPA-53	41	Friction Ball (3 per kit)	---
16	Vane Pack (set of 4)	109XPA-42-4	42	Thrust Washer	---
17	Cylinder	109XPA-3	43	Retaining Ring	---
	Front End Plate Assembly	109XPA-A11		Tune-Up Kit (includes items 2, 3, 5 to 7, 11 12, 16 and 20)	109XPA-TK1
18	Front End Plate	---		Oil - Ingersoll Rand No. 10 (4 oz. bottle)	10Z4
19	Motor Alignment Pin	---		Grease	
20	Front Rotor Bearing	WFS182-22		IR # 67 (1 lb. can) - for Gearing	67-1 LB
21	Spacer	---		IR # 67 (8 lb. can) - for Gearing	67 8 LB
	Gearing Kit	109XPA-GK		IR # 70 (1 lb. can) - for Ratchet Head	70 1 LB
22	Internal Gear	---		IR # 70 (8 lb. can) - for Ratchet Head	70 8 LB
23	Spindle	---			
24	Planet Gear (3 per gearing kit)	---			
25	Planet Gear Pin (3 per gearing kit)	---			

## Parts and Maintenance

When the life of the tool has expired, it is recommended that the tool be disassembled, degreased and parts be separated by material so that they can be recycled.

Tool repair and maintenance should only be carried out by an authorized Service Center. Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

## Related Documentation

For additional information refer to:  
Air Ratchet Wrench Product Safety Information Manual 04580361.  
Air Ratchet Wrench Product Information Manual 80177645.

Manuals can be downloaded from [www.irtools.com](http://www.irtools.com).



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