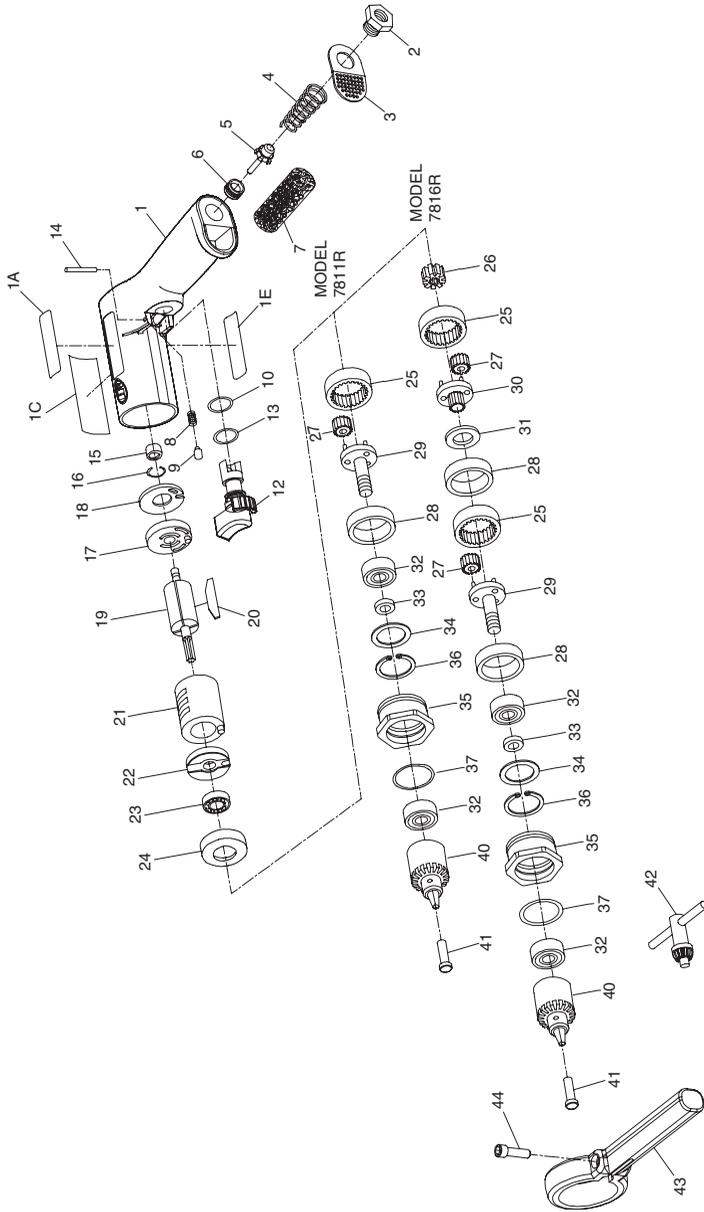


7811R, 7816R Air Drill Exploded Diagram



(Dwg. TP1961)



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Form 16572737

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## 7811R, 7816R Air Drill Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
1	Housing Assembly		25	Ring Gear (1 for model 7811R; 2 for model 7816R)	7811-406
	for model 7811R	7811R-A40	26	Pinion	7816-17
	for model 7816R	7816R-A40	27	Planet Gear	
1A	Nameplate			for model 7811R (3)	7811-10
	for model 7811R	7811R-301		for model 7816R (6)	7816-10
	for model 7816R	7816R-301	28	Spacer (1 for model 7811R; 2 for model 7816R)	7811-442
1C	Warning Label	WARNING-7-99	29	Spindle Assembly	
1E	Label			for model 7811R	7811R-8
	for model 7811R	7811R-300		for model 7816R	7816R-8
	for model 7816R	7816R-300	30	Gear Head	7816-216
2	Inlet Bushing	131-565	31	Thrust Plate	7816-80
3	Exhaust Deflector	7811R-123	32	Shaft Bearing (2)	7811-105
4	Throttle Valve Spring	131-51	33	Inner Bearing Spacer	7811-112
5	Throttle Valve	131-50	34	Outer Bearing Spacer	7811-111
6	Throttle Valve Seat	131-303	35	Clamp Nut Assembly	7811-A107
7	Silencer (3)	7811-310	36	Shaft Bearing Retainer	7811-118
8	Spring	7811R-52	37	Clamp Nut Seal	7811-294
9	Spring Pin	7811R-13	40	Chuck	
10	O-Ring	7811R-201		for model 7811R (1/16"-3/8")	7811-99
12	Trigger Assembly	7811R-A93		for model 7816R (1/16"-1/2")	7816-99
13	O-Ring	7811R-202	41	Chuck Screw	7811R-254
14	Trigger Retainer Pin	7811-98	42	Chuck Key	
15	Rear Rotor Bearing	7811-22		for model 7811R (3/8" chuck)	7811-253
16	Rear Rotor Retainer	7811-18		for model 7816R (1/2" chuck)	7816-253
17	Rear Endplate Assembly	7811R-A12	43	Handle Assembly	7816-A48
18	Endplate Gasket	7811R-283	44	Handle Cap Screw	7816-638
19	Rotor	7811R-53	*	Bottle of Oil	405-M01
20	Vane Packet (6)	7811R-42-6	*	Tube of Grease	405-MG1
21	Cylinder Assembly	7811R-3	*	Lube Injector	230-228
22	Front Endplate	7811-11	*	Keyless Chuck	
23	Front Rotor Bearing	7811-24		for model 7811R	728-99-KC5
24	Bearing Support	7811-28		for model 7816R	728-99-KC8

\* Not Illustrated.

## 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 Drill Product Safety Information Manual 04580353,  
 Air Drill Product Information Manual 16571879.

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

