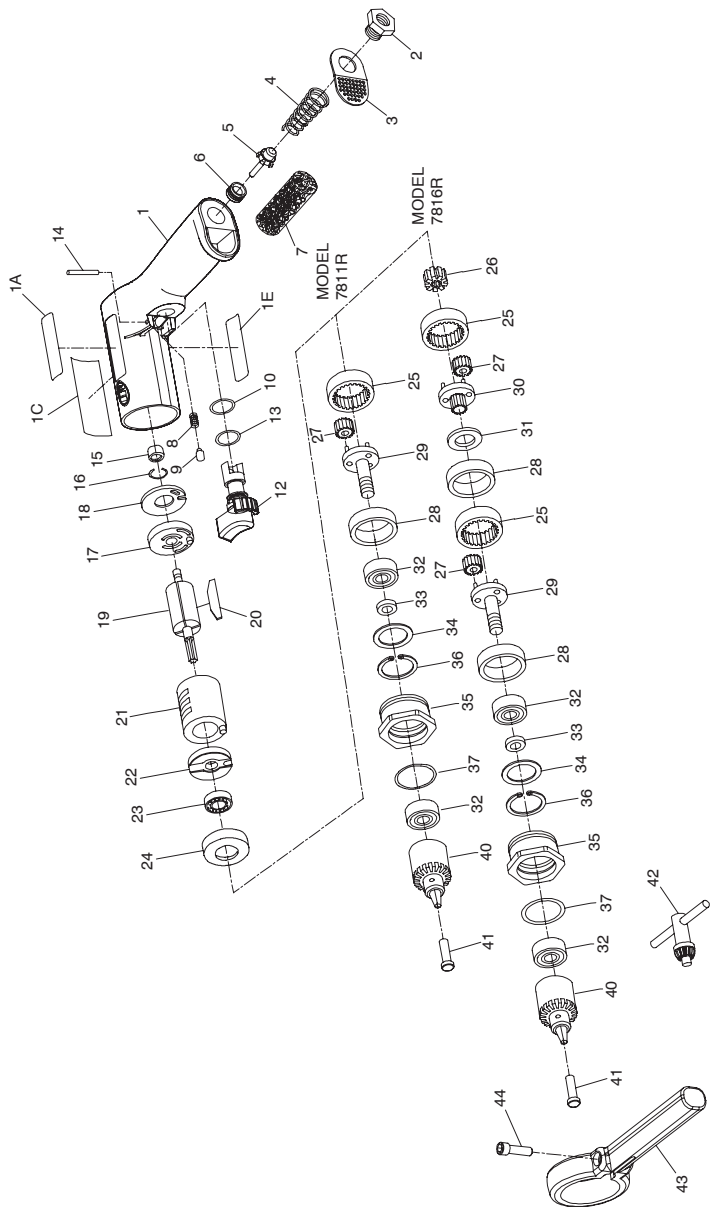


7811R, 7816R Air Drill Exploded Diagram



(Dwg. TP1961)

7811R, 7816R Air Drill Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
1	Housing Assembly		27	Planet Gear	
	for model 7811R	7811R-A40		for model 7811R (3)	7811-10
	for model 7816R	7816R-A40		for model 7816R (6)	7816-10
1A	Nameplate		28	Spacer (1 for model 7811R; 2 for model 7816R)	7811-442
	for model 7811R	7811R-301	29	Spindle Assembly	
	for model 7816R	7816R-301		for model 7811R	7811R-8
1C	Warning Label	WARNING-7-99		for model 7816R	7816R-8
1E	Label		30	Gear Head	7816-216
	for model 7811R	7811R-300	31	Thrust Plate	7816-80
	for model 7816R	7816R-300	32	Shaft Bearing (2)	7811-105
2	Inlet Bushing	131-565	33	Inner Bearing Spacer	7811-112
3	Exhaust Deflector	7811R-123	34	Outer Bearing Spacer	7811-111
4	Throttle Valve Spring	131-51	35	Clamp Nut Assembly	7811-A107
5	Throttle Valve	131-50	36	Shaft Bearing Retainer	7811-118
6	Throttle Valve Seat	131-303	37	Clamp Nut Seal	7811-294
7	Silencer (3)	7811-310	40	Chuck	
8	Spring	7811R-52		for model 7811R (1/16"-3/8")	7811-99
9	Spring Pin	7811R-13		for model 7816R (1/16"-1/2")	7816-99
10	O-Ring	7811R-201	41	Chuck Screw	
12	Trigger Assembly	7811R-A93		for model 7811R (3/8" chuck)	7811R-254
13	O-Ring	7811R-202		for model 7816R (1/2" chuck)	7816R-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
25	Ring Gear (1 for model 7811R; 2 for model 7816R)	7811-406			
26	Pinion	7816-17			

* 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.irttools.com.



www.irttools.com

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Form **16572737**

Edition 2

August 2005