



Form 16579005  
Edition 1  
May 2005

# 1701 Series Air Impact Wrench

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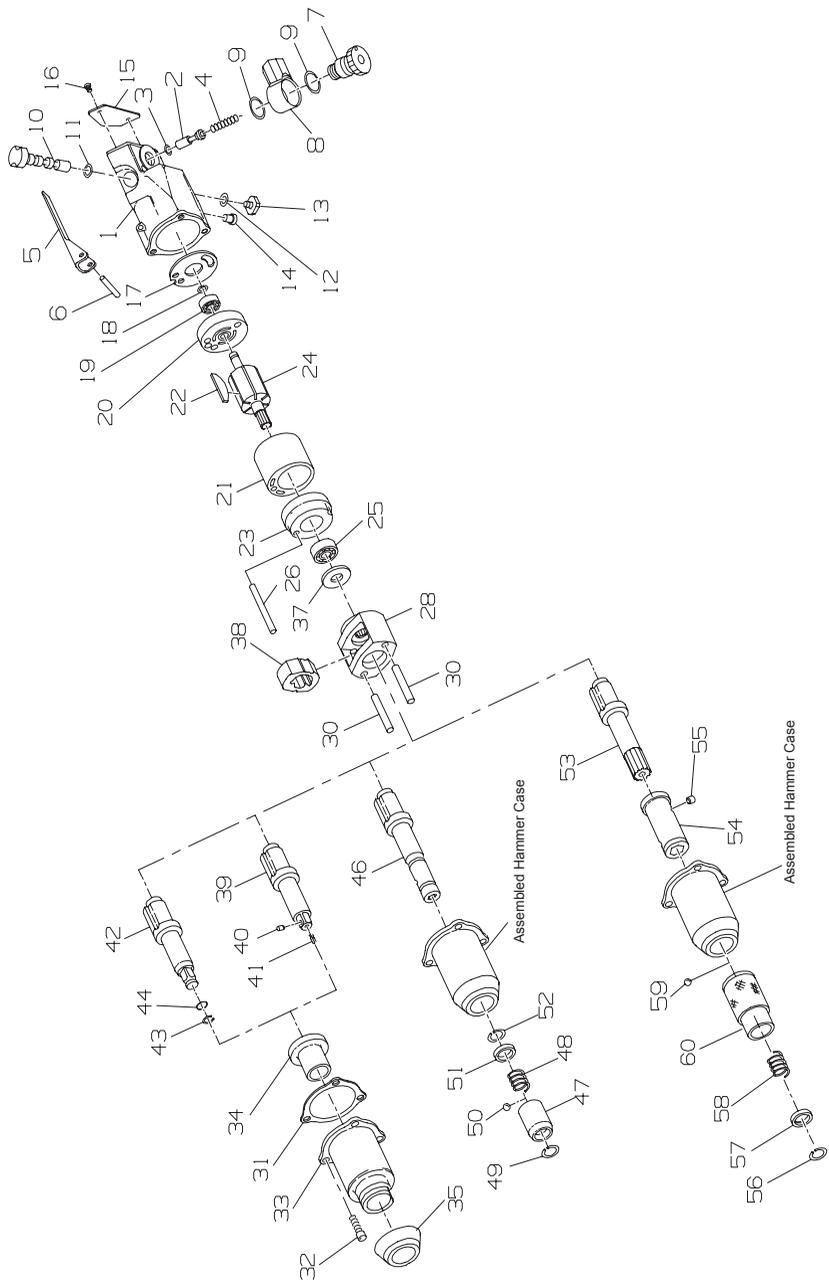
## Parts Information



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**1701B1 Air Impact Wrench Exploded Diagram**



(Dwg. TPA867-2)

## 1701B1 Air Impact Wrench Parts List

ID	Description	PN
1	Motor Housing Assembly	1701B-A40
2	Throttle Valve Assembly	R000B2-302
† ‡ 3	Throttle Valve Face	401-159
† ‡ 4	Throttle Valve Spring	5081T-151
5	Throttle Lever	201-273
6	Throttle Lever Pin	502B-120
	Air Inlet Assembly	1701B-A166
7	Swivel Inlet Body	1701B-165
8	Swivel Inlet Assembly	1702B-B166
† ‡ 9	Swivel Inlet Seal (2)	R18LF-21
10	Reverse Valve Assembly	201-A329
† ‡ 11	Reverse Valve Seal	R00B1-159
† ‡ 12	Reverse Valve Bushing Seal	R1A-159
13	Reverse Valve Stop	401-665
14	Grease Fitting	130SR-188
15	Nameplate	1701B-301
16	Nameplate Screw (2)	BN403-302
† ‡ 17	End Plate Gasket	401-739
† ‡ 18	Rear Rotor Bearing Retainer	MF-18
† ‡ 19	Rear Rotor Bearing	401-22
20	Rear End Plate	201-12
21	Cylinder	401-3
† ‡ 22	Vane Packet (set of 6 Vanes)	401-42A-6
23	Front End Plate	201-11
24	Rotor	401-53
† 25	Front Rotor Bearing	R00H-97
26	Cylinder Dowel	HH92-74
28	Hammer Frame Assembly	1702-A703A
30	Hammer Pin (2)	1702-704
† ‡ 31	Hammer Case Gasket	2902-36
32	Hammer Case Cap Screw	1702-638
33	Hammer Case Assembly	1701B-A727
34	Hammer Case Bushing	401-641
35	Hammer Case Shield	201-109
*	Hammer Case Label	Warning-2-99
*	.005" oversize Hammer Case Bushing	401-641-5
37	Hammer Frame Washer	1702-706
38	Hammer	1702-706
39	3/8" Square Drive Anvil	

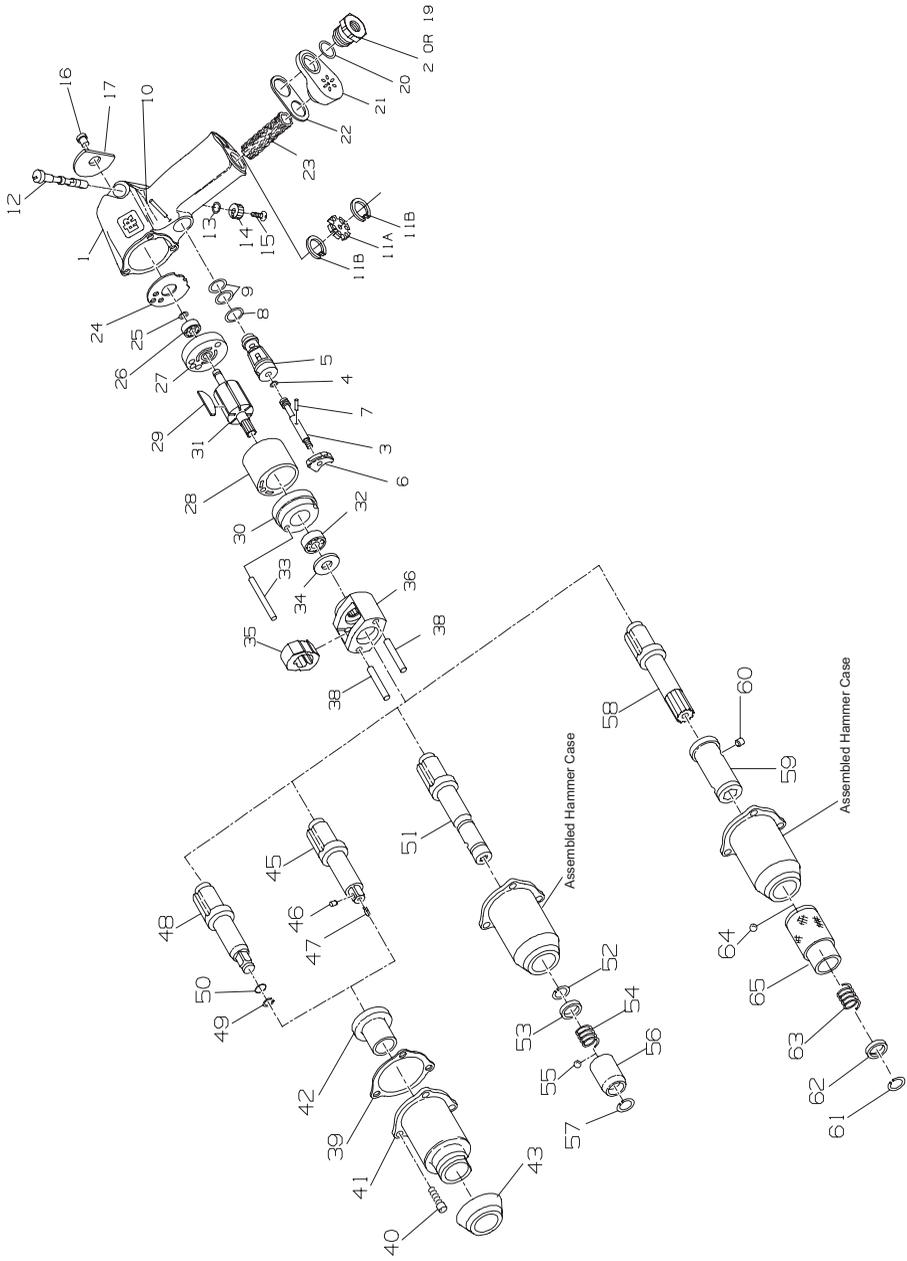
ID	Description	PN
	Assembly (with Ring-Type Retainer)	1702-P726
† ‡ 40	Socket Retainer Plunger	5020-716
† ‡ 41	Retainer Plunger Spring	401-718
42	3/8" Square Drive Anvil	
	Assembly (with Ring-Type Retainer)	1702-A626
43	Socket Retainer Plunger	1702-425
‡ 44	Socket Support Ring	1702-426
	Quick-Change Anvil Assembly	1702-A926-4
46	Quick-Change Anvil (1/4" hex recess)	1702-926-4
47	Retaining Sleeve	2U-930-4
48	Retaining Sleeve Spring	2U-931-4
49	Retaining Sleeve Stop	2U-933-4
50	Retaining Ball	2U-696
51	Thrust Ring	10A902A2-932-4
52	Thrust Ring Lock	5C1-853
	Quick-Change Anvil Assembly	1702-A926-7
53	Quick-Change Anvil	1702-926-7
54	Quick-Change Anvil Body (7/16" hex recess)	10A902A5-925
55	Body Lock Pin	10A902A5-936
56	Thrust Ring Lock	4U-933-7
57	Thrust Ring	4U-932-7
58	Retaining Sleeve Spring	4U-932-7
59	Retaining Ball (7/32" dia. steel ball)	2U-722
60	Retaining Sleeve	10A902A5-930
*	Quick-Change Chuck	
	for 1/4" hex shank accessories	2U-A925-4
	for 7/16" hex shank	502-A926-7
*	Vertical Hanger	1901-365
*	Horizontal Hanger	1901-366
*	Lube Injector	230-228
*	Bottle of Oil	405-M01
*	Tube of Grease	201-MG1
*	Carrying Case	401-4
*	Tune-up Kit (includes illustrated parts 3, 4, 9[2], 11, 12, 17, 18, 19, 22, 25, 31, 40 and 41)	1702B-TK2

\* Not illustrated.

† Indicates Tune-up Kit Part.

‡ To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by (‡) for four tools in service.

# 1701P1 Air Impact Wrench Exploded Diagram



(Dwg. TPA868-3)

## 1701P1 Air Impact Wrench Parts List

ID	Description	PN
1	Motor Housing	1701P-A40
2	Inlet Bushing	10A902A1-565
	Throttle Valve Assembly	202-A302
3	Throttle Valve	202-302
‡ 4	Throttle Valve Face	R000BR1C-283
5	Throttle Valve Bushing	202-503
6	Trigger	5RA-93
7	Throttle Valve Retainer Pin	AF120-322
† ‡ 8	Bushing (-)ring, Large	410-283
† ‡ 9	Bushing (-)ring, Small (2)	202-290
10	Bushing Retaining Pin	R100B-120
11A	Exhaust Deflector	1702P-123
11B	Exhaust Deflector Retaining Ring (2)	2908-304
12	Reverse Valve	1701P-329
† ‡ 13	Reverse Valve Bushing (-)ring (2)	R1A-159
14	Reverse Valve Knob	1701P-666
15	Knob Screw	WWA100-77
16	Grease Fitting	130SR-188
17	Nameplate	1701P-301
	Exhaust Muffler Kit	212-K23
19	Inlet Bushing Assembly	202-A565
† ‡ 20	Bushing (-)ring	202-103
21	Exhaust Deflector	202-23
† ‡ 22	Deflector Gasket	202-223
† ‡ 23	Exhaust Silencer	728-310
† ‡ 24	End Plate Gasket	202-739
† ‡ 25	Rear Rotor Bearing Retainer	MF-18
† 26	Rear Rotor Bearing	401-22
27	Rear End Plate	201-12
28	Cylinder	401-3
29	Vane Packet (set of 6 Vanes)	401-42-6
30	Front End Plate	201-11
32	Front Rotor Bearing	R00H-97
33	Cylinder Dowel	HH92-74
34	Hammer Frame Washer	1702-706
35	Hammer	1702-724A
36	Hammer Frame Assembly	1702-A703A
38	Hammer Pin (2)	1702-704
† ‡ 39	Hammer Case Gasket	2902-36
40	Hammer Case Cap Screw	1702-638
41	Hammer Case Assembly	1701B-A727

ID	Description	PN
42	Hammer Case Bushing	401-641
43	Hammer Case Shield	201-109
*	Hammer Case Label	WARNING-2-99
*	.005" oversize Hammer Case Bushing	401-641-5
45	3/8" Square Drive Anvil Assembly (with Pin-Type Retainer)	1702-P726
† ‡ 46	Socket Retaining Plunger	5020-716
† ‡ 47	Retaining Plunger Spring	410-718
48	3/8" Square Drive Anvil	
	Assembly (with Ring-Type Retainer)	1702-A626
‡ 49	Socket Retainer Ring	1702-425
‡ 50	Retainer Support Ring	1702-426
	Quick-Change Anvil Assembly	1702-A926-4
51	Quick-Change Anvil	
	(1/4" hex recess)	1702-926-4
52	Thrust Ring Lock	5C1-853
53	Thrust Ring	10A902A2-932-4
54	Retaining Sleeve Spring	2U-931-4
55	Retaining Ball (5/32" dia. steel ball)	2U-696
56	Retaining Sleeve	2U-930-4
57	Retaining Sleeve Stop	2U-933-4
	Quick-Change Anvil Assembly	1702-A926-7
58	Quick-Change Anvil	1702-926-7
59	Quick-Change Anvil Body (7/16" hex recess)	10A902A5-925
60	Body Lock Pin	10A902A5-936
61	Thrust Ring Lock	4U-933-7
62	Thrust Ring	4U-932-7
63	Retaining Sleeve Spring	4U-931-7
64	Retaining Ball (7/32" dia. steel ball)	2U-722
65	Retaining Sleeve	10A902A5-930
*	Quick-Change Chuck	
	for 1/4" hex shank accessories	2U-A925-4
	for 7/16" hex shank accessories	502-A925-7
*	Vertical Hanger	1901-365
*	Horizontal Hanger	1901-366
*	Lube Injector	230-228
*	Bottle of Oil	405-M01
*	Tube of Grease	201-MG1
*	Tune-up Kit (includes illustrated parts 4,8,9[2], 13[2], 20, 22, 23, 24, 25, 26, 29, 32, 39, 46 and 47)	1702P-TK2

\* Not illustrated.

† Indicates Tune-up Kit Part.

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## 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 Angle Wrench, Screwdriver or Nut Runner Product Safety Information Manual 04580916.  
Air Impact Wrench Product Information Manual 03531514.

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



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**Notes**



[www.irttools.com](http://www.irttools.com)

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