

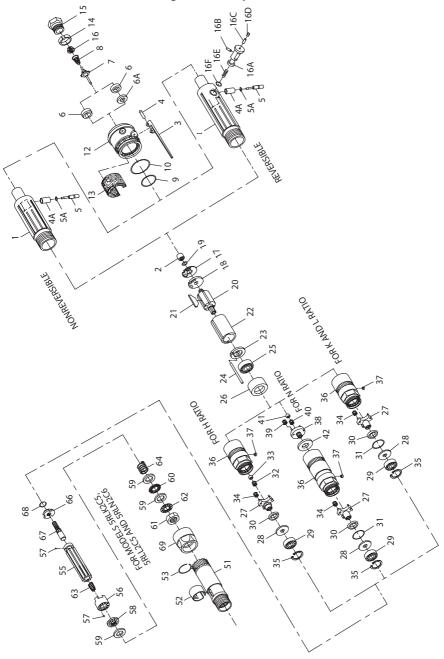
Air Drill, Screwdriver and Angle Wrench 5L and 5RL

Parts Information





5L and 5RL Air Drill, Screwdriver and Angle Wrench - Exploded View



ltem	Part Description	Part Number	Item	Part Description	Part Number	
	Motor Housing Assembly		4A	Throttle Plunger Bushing		
	for 90° Angle Drill models ending in -EU	5LK2C-EU-A40		for 45° Angle Drills and all other nonreversible models	7L-91	
	for all other 90° Angle Drill models	5LK2C-A40		for reversible models	5RLK2C-91	
	for 45° Angle Drill models ending in -EU	5L1B-EU-A40	5	Throttle Plunger Seal		
	for all other 45° Angle Drill	5L1B-A40	- L	for nonreversible models	6LL-259	
	models	SLIB-A40		for reversible models	8SL-259	
	for nonreversible Angle	5LK2D-EU-A40	†6	Throttle Valve Seat		
	Wrench or Angle Screwdriver			for Angle Drills for Angle Wrenches/Angle Screwdrivers Throttle Valve Seat Support	7AH-303	
	models ending in -EU for all other nonreversible	5LK2D-A40	-		7RAK-303	
	Angle Wrench or Angle	SERES ATTO	6A			
	Screwdriver models for reversible Angle	5RLK2C-EU-A40		for Angle Wrenches/Angle Screwdrivers	7RAK-304	
	Wrench or Angle Screwdriver		†7	Throttle Valve		
	models ending in -EU			for Angle Drills	7AH-302	
	for all other reversible Angle Wrench or Angle Screwdriver models	5RLK2C-A40		for Angle Wrenches/ Angle Screwdrivers	7RAK-302	
1	Motor Housing		†8	Throttle Valve Spring	7L-51	
	for 5L1UB-EU-A40	5L1B-EU-B40	†9	Silencer Seal Ring	WWV100A1-43	
	for 5L1UB-A40	5L1B-B40	†• 10	Exhaust Deflector Seal	6AH-103	
	for 5LK2C-EU-A40 or	5LK2C-EU-B40	† 12	Rear Muffler Assembly	6WS-A23	
	5LK2D-EU-A40		13	Muffler Element	3RA-310	
	for 5LK2C-A40 or 5LK2D- A40	5LK2C-B40	14	Inlet Bushing Spacer	7AH-65	
	for 5RLK2C-EU-A40	5RLK2C-EU-B40	15	Inlet Bushing	7L-565	
	for 5RLK2C-A40	5RLK2C-B40	† 16	Air Strainer Screen	R0A2-61	
† 2	Rear Rotor Bearing		16A	Reverse Valve (for reversible models only)	55RP-329	
	for nonreversible models	5LK2C-24	16B	Reverse Valve Lock Pin	SPA102R-668	
	for reversible models	5R-24		(for reversible models only)		
*	Warning Label		16C	Lock Pin Retainer (for reversible models only)	7RL-56	
	for models ending in -EU	EU-99	16D	Retainer Setscrew	7RL-669	
	for all other models	WARNING-7-99		(for reversible models only)		
3	Throttle Lever	7L-273	16E	Reverse Valve Spring (for reversible models only)	55RP-515	
4	Throttle Lever Pin	7L-120	16F	Reverse Valve Bushing Seal (for reversible models only)	6WRS-290	

^{*} Not illustrated.

[•] 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 a bullet (•) for every four tools in service.

[†] Indicates Tune-up Kit part.

Item	Part Description	Part Number	Item	Part Description	Part Number
†• 17	Rear End Plate Gasket	5RLK-739	36	Gear Case Assembly	
18	Rear End Plate	5RLK-12	1	for H or L ratio	5LL2C-A37
† 19	End Plate Retainer	5RLK-118	1	for K ratio	5LK2C-A37
20	Rotor	,	1	for N ratio	5LN2C-A37
	for K ratio (8 teeth)	5RLK-53	37	Grease Fitting	D0F9-879
	for H, L or N ratio (6 teeth)	5RLL-53	38	Gear Head Assembly (for N ratio)	5RAN-A216
† 21	Vane Packet	R1401-42-5	•39	Gear Head Planet Gear (13 teeth)	5RAN-9
22	Cylinder		1	for N ratio) (3)	
	for nonreversible models	5LK-3	•40	Rotor Pinion (for N ratio) (15 teeth)	5RAN-17
	for reversible models	5RLK-3	•41	Rotor Pinion Spacer (for N ratio)	5RAN-18
23	Front End Plate	106-11	42	Gear Head Spacer (for N ratio)	5R-80
24	Cylinder Dowel	106-98	1	Cushion Clutch Attachment	
†• 25	Front Rotor Bearing	WWA100-97	1	with Light Clutch Spring	5LK2C-AL580
26	Front Rotor Bearing Support	106-13		with Heavy Clutch Spring	5LN2C-AH580
	Spindle Assembly		51	Clutch Housing Assembly	5LK2C-B580
	for H ratio	5LH2A-A8	52	Adjusting Hole Cover	5C1-415
	for K or L ratio	5LK2C-A8	53	Coupling Nut Retainer	5C1-29
	for N ratio	5LN2C-A8	1	Clutch Shaft Assembly	
27	Spindle		1	for Light Clutch Spring	5LK2C-AL586
_,	for H ratio (marked H)	5LH2A-8		for Heavy Clutch Spring	5LN2C-AH586
	for K or L ratio (marked K)	5LK2C-8	55	Clutch Shaft	5LK2C-586
	for N ratio (marked N)	5LN2C-8	•56	Front Clutch Jaw	5C1-589A
28	Grease Shield	5R-701	• 57	Clutch Ball (24)	RX1-629
29	Spindle Bearing	R1L-24	•58	Clutch Ball Spacer	5C1-401A
30	Seal Support	5RAK-5	• 59	Clutch Spring Seat (3)	5C1-627
†•31	Seal (for N ratio only)	182A53-610	•60	Spring Seat Bearing	5C1-105
32	Rotor Pinion (for H ratio) (15 teeth)	5RAN-17	61	Clutch Adjusting Nut	5C1-582A
33	Rotor Pinion (for H ratio) (13 teeth) Rotor Pinion Spacer (for H ratio)	5RAN-18	62	Adjusting Nut Lock	5C1-588
•34		SKAN-16	63	Clutch Engaging Spring	5LK2C-626
• 34	Spindle Planet Gear (3)	5DAN 0	64	Clutch Spring	
	for H ratio (13 teeth)	5RAN-9	-	Light (Black)	5C1-L583
	for K ratio (15 teeth)	5RAK-10A	-	Heavy (Green)	5C1-H583
	for L ratio (17 teeth)	5RAL-10B	-	Clutch Driver Assembly	5LK2C-A581
	for N ratio (14 teeth)	5RAN-10A	•66	Clutch Driver	5LK2C-581
35	Spindle Bearing Retainer	7L-28	67	Clutch Shaft Support	5LK2C-584

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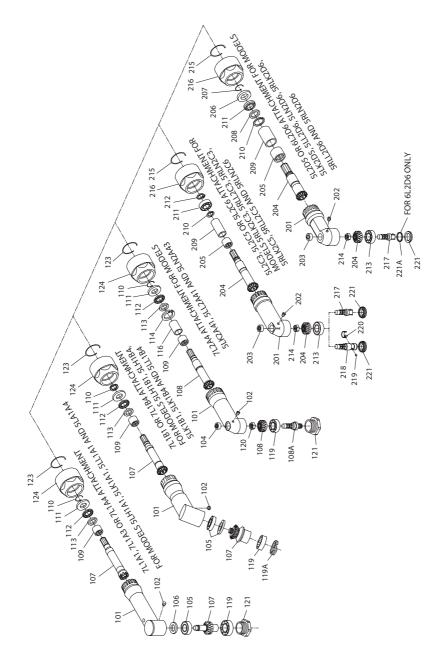
Item	Part Description	Part Number	Item	Part Description	Part Number	
• 68	Clutch Driver Retainer	7AH-118	*	Piped-Away Exhaust Kit	7L-K284	
69	Coupling Nut	7L-27	*	Vibra-Tite®+ (30.0 cc)	5R-VT30	
*	Clutch Sprag Key	5C1-416	*	Tune-up Kit (for Angle Drills)	5L-NS-TK1	
*	Suspension Bail	7L-365	1	Piped-Away Exhaust Kit Vibra-Tite®+ (30.0 cc)		
*	Grease Gun	R000A2-228	*	Tune-up Kit (for Angle Wrenches	5RL-NS-TK1	
*	Housing Cap Wrench	141A12-26	1			
*	Thread Retaining Compound	141A12-226				
*	Locking Type Throttle Lever Assembly		*	Horizontal Hanger	6WS-366	
	for Model 5LH1A1 and 5LH1A4	5LH1A1-A400	*	Retainer	500B-815AX	
	for Model 5LH1B1	5LH1B1-A400	1			
	for Model 5LK1A1	5LK1A1-A400	1			
	for Model 5LK1B1 and 5LK1B4	5LK1B1-A400				
	for Model 5LL1A1	5LL1A1-A400]			

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5L and 5RL Air Drill, Screwdriver and Angle Wrench - Exploded View



ltem	Part Description	7L1A1	7L1A3	7L1A4	7L1B1	7L1B4	7L2A4
101	Angle Drill Attachment	7L1A1	7L1A1	7L1A	7L1B	7L1B4	7L2A4
	Angle Housing Assembly	7L1A-B550	7L1A-B550	7L1A-B550	7L1B-A550	7L1B-B550	7L2A-B550
107	Grease Fitting	D0F9-879	D0F9-879	D0F9-879	D0F9-879	D0F9-879	D0F9-879
• 104	Spindle Upper Bearing						120A4-603
105	Spindle Upper Bearing	7L1A-603	7L1A-603	7L1A-603	7L1B-A97	7L1B-A97	
• 106	Upper Bearing Shim Packet (two thicknesses of shims)	7L1A-P448	7L1A-P448	7L1A-P448			
• 107	Spindle Gear Set (includes bevel pinion and spindle gear)						
	1/4"-28 female thread	7L1A1-A591			7L1B1-A591		
	9/32"-40 female thread			7L1A4-A591		7L1B4-A591	
	5/16"-24 female thread		7L1A3-A591				
• 108	Matched Bevel Gear Set (includes bevel gear and bevel pinion)						141A12-A552
108A	Spindle (3/8"-24 male thread						7L2A4-791
• 109	Bevel Pinion Bearing	7AH-24	7AH-24	7AH-24	7L1B-593	7L1B-593	H54U-511B
110	Bearing Seat Retainer	W22-6	W22-6	W22-6	W22-6	W22-6	1415A12-6
111	Rear Thrust Bearing Seat	7L2A-682	7L2A-682	7L2A-682	7L2A-682	7L2A-682	7L2A-682
112	Bevel Pinion Thrust Bearing	3RL2-105	3RL2-105	3RL2-105	3RL2-105	3RL2-105	161A32-105
113	Front Thrust Bearing Seat	7L1A-683	7L1A-683	7L1A-683	7L1A-683	7L1A-683	141A12-683
114	Pinion Bearing Spacer Retainer						RXA21-343
116	Bevel Pinion Bearing Spacer						7L2A-165
•119	Lower Spindle Bearing	7L1A-593	7L1A-593	7L1A-593	7L1B-593	7L1B-593	120A4-593
119A	Lower Spindle Bearing Retainer				7L1B-28	7L1B-28	
120	Bevel Gear Retainer						120A4-578
121	Spindle Bearing Cap	7L1A-531	7L1A-531	7L1A-531			7L2A4-531
123	Coupling Nut Retainer	5C1-29	5C1-29	5C1-29	5C1-29	5C1-29	5C1-29
124	Coupling Nut	7L-27	7L-27	7L-27	7L-27	7L-27	7L-27
*	Drill Chuck						
*	0 to 1/4" capacity						R0H-99
	0 to 3/8" capacity						R1M-99
	Drill Chuck Key						
	for R0H-99						R1H-J253
	for R1M-99						R1M-J253
*	Bearing Inserting Tool	7L1A-950	7L1A-950	7L1A-950	7L1B1-955	7L1B1-955	7L2A-950
*	Bevel Pinion Sprag Key	5C1-416	5C1-416	5C1-416	5C1-416	5C1-416	

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Item	Part Description	5L2C3	5L2C5 or 5L2C6	5L2D5	6L2C6
	Angle Wrench/Angle Screwdriver Attachment				
	1/4" hex recess (for standard bits)	5L2C3			
	1/4" square drive		5L2C5	5L2D5	
	3/8" square driver		5L2C6		6L2D6
201	Angle Housing Assembly	5L2C-A550	5L2C-A550	7L2A-B550	6L2D-B550
202	Grease Fitting	D0F9-879	D0F-879	D0F-879	D0F-879
• 203	Upper Spindle Bearing	120A4-603	120A4-603	120A4-603	120A4-603
• 204	Matched Bevel Gear Set	141A12-A552	141A12-A552	141A12-A552	6L2D-A552
• 205	Bevel Pinion Bearing	H54U-511B	H54U-511B	H54U-511B	H54U-511B
206	Rear Thrust Bearing Seat			7L2A-682	7L2A-682
207	Bearing Seat Retainer			1415A12-6	1415A12-6
208	Front Thrust Bearing Seat			141A12-683	141A12-683
209	Pinion Bearing Spacer	AGS141-165	AGS141-165	7L2A-165	7L2A-165
• 210	Bearing Spacer Retainer	RXA21-343	RXA21-343	RXA21-343	RXA21-343
211	Bevel Pinion Thrust Bearing	120A4-97	120A4-97	161A32-105	161A32-105
• 212	Bearing Retainer	120A4-588	120A4-588		
• 213	Lower Spindle Bearing	120A4-593	120A4-593	120A4-593	6L2D-59
• 214	Bevel Gear Retainer	120A4-578	120A4-578	120A4-578	120A4-578
215	Coupling Nut Retainer	141A12-29	141A12-29	5C1-29	5C1-29
216	Coupling Nut	141A12-27	141A12-27	7L-27	7L-27
217	Socket Adapter Spindle				
	1/4" square drive		141A9-A607-1/4	141A9-A607-1/4	
	3/8" square drive		141A12-A607		6L2D-A607
*	Socket Retainer (for 1/4" pin type squar drive)		500B-816A	500-816A	
*	Socket Retaining Pin (for 3/8" square drive)		5020-716		5020-716
*	Socket Retaining Spring (for 3/8" square drive)		401-718		401-718
218	1/4" Hex Bit Holder Spindle (for standard bits)	5L2C3-B586			
219	Bit Retaining Ball (for No.5L2C3-B586 Spindle)	AV1-255			
220	Bit Retaining Spring for No.5L2C3-B586 Spindle)	102A60-241			
221	Angle Housing Cap	120A4-531	120A4-531	120A4-531	6L2D-531
221A	Spindle Seal				6L2D-720
*	Socket Retainer (for 1/4" ball-type square drive)		500B-815AX	500B-815AX	

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Item	Part Description	Part Number
217	Spindle	
	1/4" square drive	141A9-A607-1/4
	3/8" square drive (for 5L2C5 or 5L2C6)	141A12-A607
	3/8" square drive (for 6L2D6)	6L2D-A607
218	1/4" hex recess (for standard bits)	5L2C3-B586
*	1/4" hex recess (for insert bits)	5L2C4-B386
*	Bit Retainer (for No.5L2C4-B386 Spindle)	5L2C4-425
219	Bit Retaining Ball (for No. 5L2C3-B586)	AV1-255
220	Bit Retaining Spring (for No. 5L2C3-B586)	102A60-241
*	Socket Retainer (for No.141A9-A607-1/4 Spindle)	500B-816A
*	Socket Retaining Spring (for 141A12-A607 Spindle or 6L2D-A607 Spindle)	401-718
*	Socket Retainer Pin (for 141A12-A607 Spindle or 6L2D-A607 Spindle)	5020-716

^{*} 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: Product Safety Information Manuals 04580353 and 04585006. Product Information Manuals 16572182, 80167471 and 80167489. Maintenance Information Manual 16572620.

Manuals can be downloaded from ingersollrandproducts.com.

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