



16606055
Edition 1
March 2008

Air Drill

7A Series

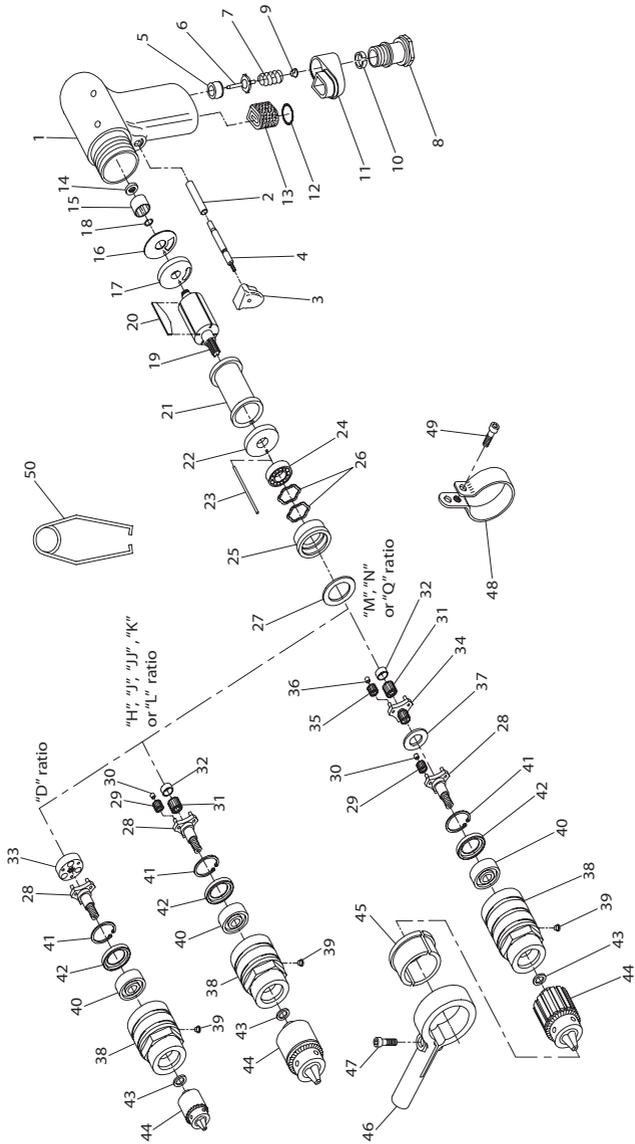
Parts Information



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 **Ingersoll Rand**

Series 7A Air Drill Exploded Diagram



(Dwg. TPA1365-1)

Series 7A Air Drill Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number							
	Motor Housing Assembly		32	Rotor Pinion Spacer								
	for models ending in EU	7AH-EU-AST40A		for H, J, M or N ratio	7AH-18							
	for all other models	7AH-AST40A		for JJ ratio	7AJJ-18							
1	Motor Housing		33	Drive Plate (for D ratio)	7AD-171							
	for models ending in EU	7AH-EU-BST40A		34	Gear Head							
	for all other models	7AH-BST40A			for M ratio (16 teeth)	7AM-216						
*	Warning Label			for N ratio (10 teeth)	7AN-216							
	for models ending in EU	EU-99		for Q ratio (13 teeth)	7AQ-216							
	for all other models	WARNING-7-99	35	Gear Head Planet Gear Assembly (3)								
2	Trigger Bushing	4RA-91		for M or N ratio (15 teeth)	7AH-A10							
	Trigger Assembly	7AH-A93		for Q ratio (21 teeth)	7AP-A10							
3	Trigger	5RA-93	36	Gear Head Planet Gear Bearing (1 for each Gear) (for M, N or Q ratio)	7AH-500							
4	Trigger Pin	7AH-94		37	Gear Head Spacer (for M, N or Q ratio)	7AN-80						
◆ 5	Throttle Valve Seat	7AH-303	Gear Case Assembly									
◆ 6	Throttle Valve	7AH-302	for D, H, J, JJ, K or L ratio models ending in ST4 or ST6		7AH-A37A							
◆ 7	Throttle Valve Spring	7AH-51	for D, H, J, JJ, K or L ratio models ending in EU		7AH-EU-A37A							
8	Inlet Bushing Assembly	7AH-A565	for M, N or Q ratio models ending in ST6 or ST8		7AN-A37A							
◆ 9	Air Strainer Screen	ROA2-61	for M, N or Q ratio models ending in EU		7AN-EU-A37A							
10	Inlet Bushing Spacer	7AH-65	38		Gear Case							
11	Muffler Assembly	3RA-A123			for D, H, J, JJ, K or L ratio models ending in ST4 or ST6	7AH-B37A						
◆ 12	Muffler O-ring	85H-167			for D, H, J, JJ, K or L ratio models ending in EU	7AH-EU-B37A						
◆ 13	Muffler Element	7RA-311			for M, N or Q ratio models ending in ST6 or ST8	7AN-B37A						
◆ 14	Rear Rotor Bearing Nut	7AH-105A			for M, N or Q ratio models ending in EU	7AN-EU-B37A						
◆ 15	Rear Rotor Bearing	7AH-24			39	Grease Fitting	D0F9-879					
◆ 16	Rear End Plate Gasket	7AH-739				40	Spindle Bearing	5A-510				
17	Rear End Plate	7AH-12					41	Spindle Bearing Retainer	7AH-28			
◆ 18	Rear End plate Retainer	7AH-118						42	Grease Shield	7AH-701		
19	Rotor								43	Drill Chuck Spacer	5A-90	
	for D, H, J, L, M or N ratio (7 teeth)	7AH-53								44	Drill Chuck	
	for JJ ratio (6 teeth)	7AJJ-53									for D, H, J or JJ ratio (0 to 1/4" [0 to 6 mm] capacity)	R00A-99
	for K or Q ratio (10 teeth)	7AK-53		for K, L or M ratio (0 to 3/8" [0 to 10 mm] capacity)							6A-99	
◆ 20	Vane Packet (set of 4 Vanes)	7AH-42A-4		for N or Q ratio (5/64" to 1/2" [2 to 13 mm] capacity)							R0K-99	
21	Cylinder	7AH-3A		*							Chuck Key	
22	Front End Plate	7AH-11									for R00A-99 chuck	R00A-J253
	Cylinder Dowel	7AH-98									for 6A-99 chuck	ROJ-J253
◆ 24	Front Rotor Bearing	R1-22		for R0K-99 chuck							R1T-J253	
	Front Rotor Bearing Housing	7AH-13	*	Dead Handle Label (for 7ANST8 and 7AQST8)							7AQ-245	
26	Bearing Spring Washer (2)	7AH-278		45							Dead Handle Adapter (2)	7A-49
27	Bearing Housing Spacer	7AH-81									46	Dead Handle Assembly
28	Spindle		47	Pinch Bolt								510-638
	for D or J ratio	7AJ-8A		Horizontal Hanger Assembly							7RA-A366	
	for H ratio	7AH-8	Horizontal Hanger	7RA-366								
	for JJ or Q ratio	7AQ-8A	Hanger Screw	AL-638								
	for K or N ratio	7AK-8	50	Vertical Hanger	7L-365							
	for L ratio	7AL-8		*	Chuck Shield Kit (for D, H, J, JJ or K ratio)	7AH-K309						
	for M ratio	7AM-8A			Warning Label (for N or Q ratio)	7AO-245						
29	Spindle Planet Gear Assembly (3)		48		Tune-up Kit (includes illustrated items 5, 6, 7, 9, 12, 13, 15, 16, 18, 20 and 24)	7A-DRILLS-TK1						
	for H ratio (15 teeth)	7AH-A10		*								
	for J or M ratio (18 teeth)	7AJ-A10										
	for JJ or Q ratio (19 teeth)	7AQ-A10										
	for K or N ratio (21 teeth)	7AK-A10										
for L ratio (22 teeth)	7AL-A10											
30	Spindle Planet Gear Bearing (1 for each Gear)		49									
	for H ratio	7AH-500		50								
	for J, JJ, M or Q ratio	7AJ-500										
	for K, L or N ratio	7AK-500										
	31	Rotor Pinion				*						
for H, M or N ratio (22 teeth)		7AH-17										
for J ratio (16 teeth)		7AJ-17										
	for JJ ratio (13 teeth)	7AJJ-17										

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

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 Manual 04580353.

Product Information Manual 03539731.

Maintenance Information Manual 16606063.

Manuals can be downloaded from www.irtools.com.

Notes:

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www.irttools.com

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