



47144522
Edition 3
October 2012

Air Pulse Tools

Models QS50P3, QS50PQ1, QS60P3, QS60PQ1,
QS70P3, QS70PQ1 and QS80P3

Parts Information

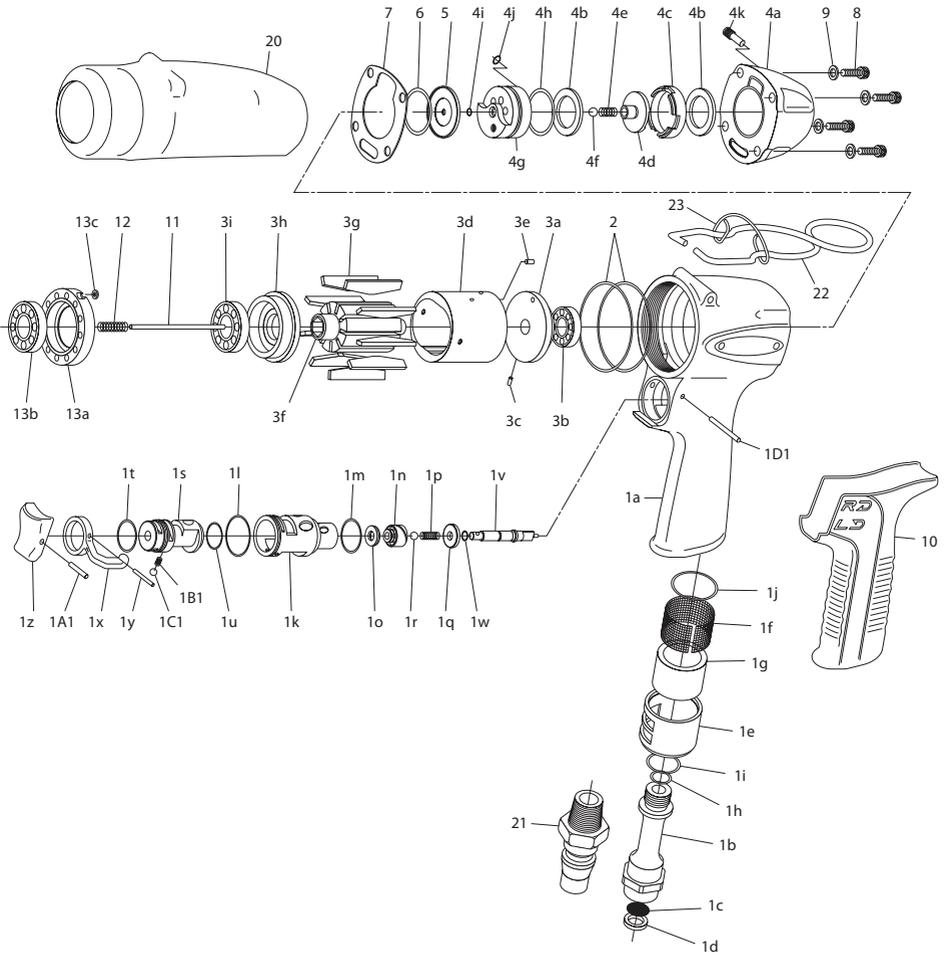


Save These Instructions

 **Ingersoll Rand**

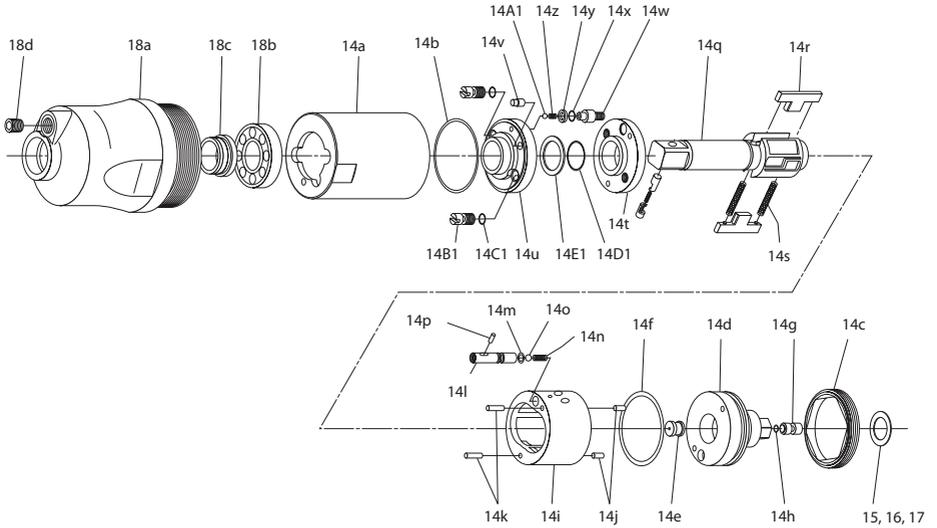
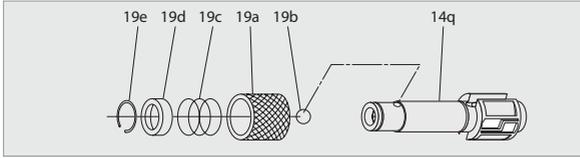
Models QS50P3 and QS50PQ1 Twin Blade Shut-Off Impulse Wrench - Exploded View

Exploded View of Motor Case



Exploded View of Liner Case and Hammer Case

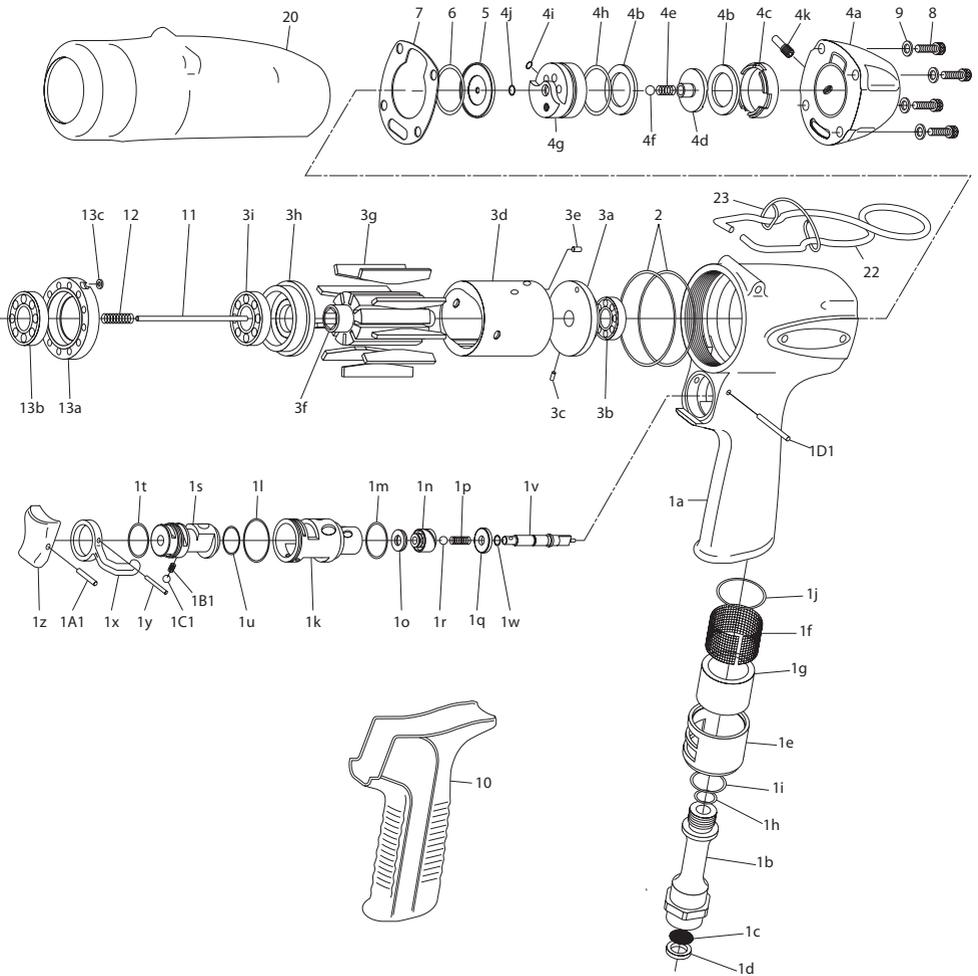
For Q550PQ1 Models only



(Dwg. 48622187)

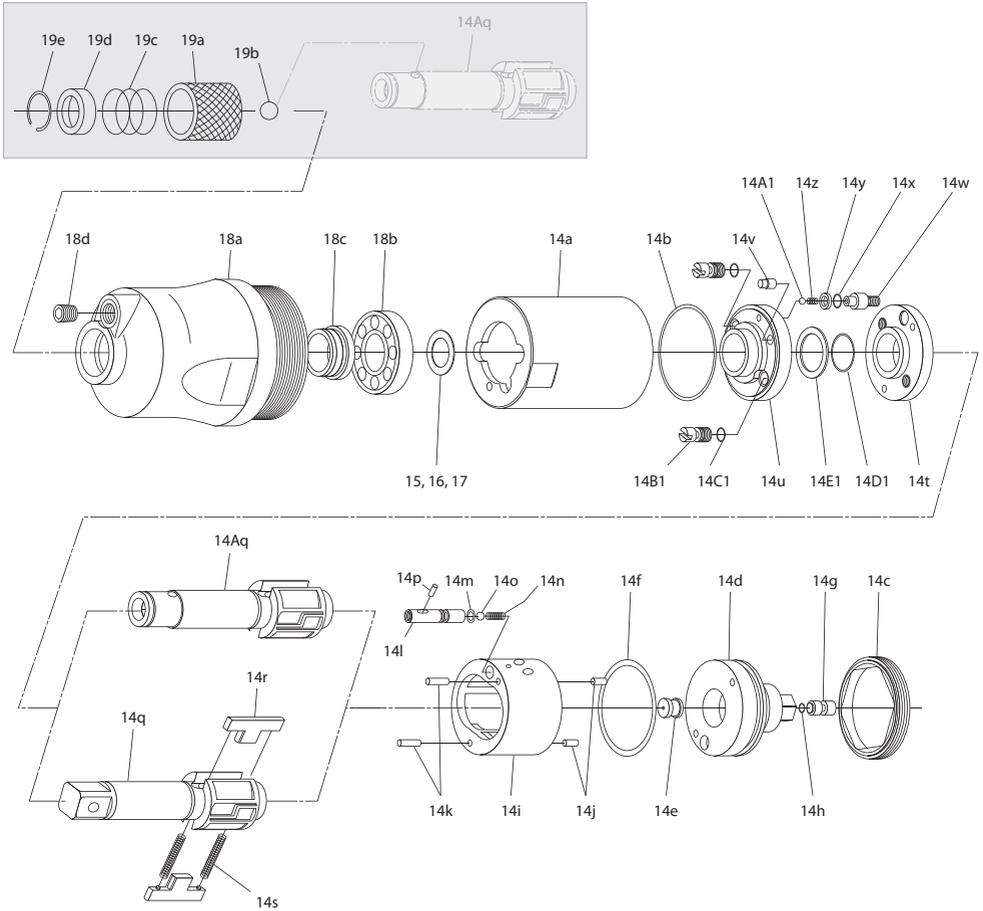
Models QS60P3 and QS60PQ1 Twin Blade Shut-Off Impulse Wrench - Exploded View

Exploded View of Motor Case



Exploded View of Liner Case and Hammer Case

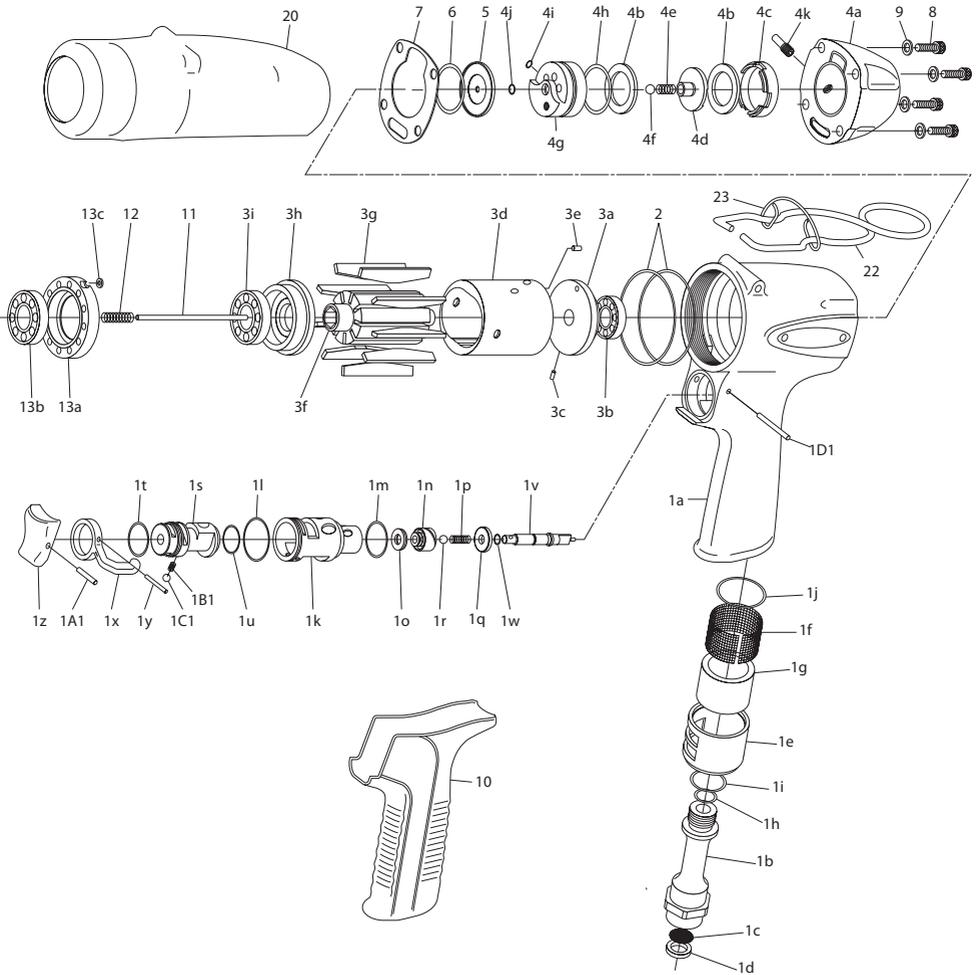
For QS60PQ1 Models only



(Dwg. 47143573)

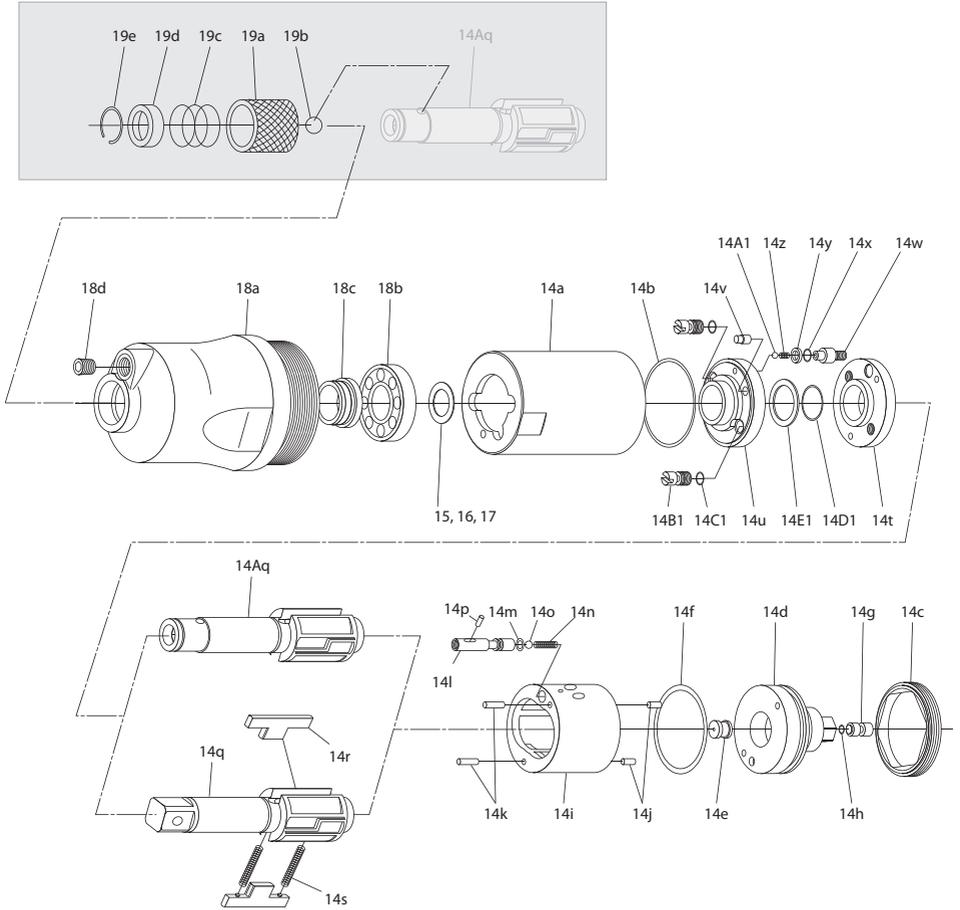
Models QS70P3 and QS70PQ1 Twin Blade Shut-Off Impulse Wrench - Exploded View

Exploded View of Motor Case



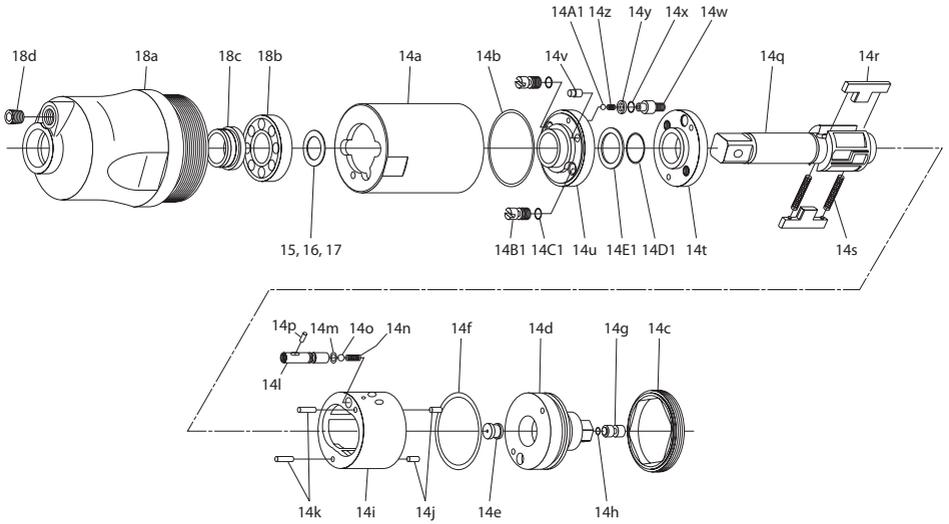
Exploded View of Liner Case and Hammer Case

For QS70PQ1 Models only



(Dwg. 47143581)

Exploded View of Liner Case and Hammer Case



(Dwg. 47143599)

QS50P3, QS50PQ1 QS60P3, QS60PQ1, QS70P3, QS70PQ1, QS80P3 Twin Blade Shut-Off Impulse Wrench - Parts List

Item	Part Description	Part Number						
		QS50P3	QS50PQ1	QS60P3	QS60PQ1	QS70P3	QS70PQ1	QS80P3
1	Motor Case Assembly	Y-3830-011-0099		Y-0371-0011-0099		Y-0372-0011-0099		Y-0373-0011-0099
1a	Motor Case	† ↑						
	Hose Joint Assembly	Y-0199-0113-0099		Y-0181-0113-0099				
1b	Hose Joint	† ↑						
† 1c	Strainer	70P53-565						
1d	Washer	70P53-442						
1e	Exhaust Cover	Y-0379-0016-0000		80099013				
1f	Silencer Sheet A	70P3-505						
1g	Silencer Sheet	80099021						
† 1h	O-ring	180PQ1-288		180PQ-288				
† 1i	O-ring	55P3-303						
† 1j	O-ring	Y-9010-6043-0000						
	Throttle Assembly	Y-0371-0186-0099						
1k	Throttle Bushing	Y-0181-0104-0000						
† 1l	O-ring	Y-9010-6030-0000						
† 1m	O-ring	55P3-303						
	Throttle Valve Assembly	Y-0181-0108-0199						
1n	Throttle Valve	† ↑						
1o	Rubber Pad	80098437						
1p	Spring	Y-8020-1345-0000						
1q	Throttle Bushing Cap	80098452						
† 1r	Ball	80098460						
1s	Reverse Valve	Y-0371-0005-0000						
† 1t	O-ring	Y-9010-6031-0000						
† 1u	O-ring	180SQ-289						
1v	Throttle Rod	Y-0371-0106-0000						
† 1w	O-ring	Y-9010-6034-0000						
1x	Reverse Lever	Y-2331-0007-0000						
1y	Roll Pin	180SQ-152						
1z	Throttle Knob	80098502						
1A1	Pin	EQ106P-265						
† 1B1	Spring	100PQ-568						
† 1C1	Ball	EQ104S-929						
1D1	Pin	380PQ-298						
† 2	O-ring (2)	Y-9011-3004-0000						EQ110P-236
3	Motor Assembly	Y-0371-0305-0099		Y-0371-0303-0099		Y-0372-0305-0099		Y-0373-0305-0099
	Upper Plate Assembly	Y-0371-0303-0099						
3a	Upper Plate	Y-0371-0303-0000						
† 3b	Ball Bearing	Y-9102-3003-0000						
3c	Pin	Y-8051-1314-0000						
	Cylinder Assembly	Y-0371-0304-0099		Y-0372-0304-0099		Y-0373-0304-0099		
3d	Cylinder	† ↑						
3e	Pin	Y-8055-1040-0000						
3f	Rotor	Y-0371-0305-0000		Y-0372-0305-0000		Y-0373-0305-0000		
† 3g	Vane (9)	Y-0371-0306-0000		Y-0372-0306-0000		Y-0373-0306-0000		
	Lower Plate Assembly	Y-0371-0307-0099						
3h	Lower Plate	Y-0371-0307-0000						
† 3i	Ball Bearing	Y-9101-1003-0000		Y-9102-1003-0000				
4	Motor Case Cover Assembly	---		Y-0371-0001-0099		Y-0373-0001-0099		
4a	Motor Case Cover	Y-0372-0001-0000						
4b	Back-up Ring (2)	Y-9090-1033-0000						
4c	Buffer Plate	Y-0371-0297-0000						
4d	Shut Off Valve	Y-0371-0295-0200		Y-0371-0295-0000				
4e	Spring	Y-8020-1366-0000		Y-8020-1371-0000				
† 4f	Ball	80099526						
4g	Shut Off Valve Bushing	Y-0371-0296-0000						
† 4h	O-ring	Y-9010-6062-0000						
† 4i	O-ring	EQ106S-288						
† 4j	O-ring 1.5x1.5x4.5	Y-9010-6074-0000		Y-9010-6063-0000				
4k	Valve Plug M4x12	Y-0371-0298-0000						
5	Upper Plate Spacer	Y-0371-0301-0000						
† 6	O-ring 1.5x19x22	Y-9010-6062-0000						
7	S-packing	Y-0372-0003-0000						
8	Hex. Bolt M4x10 (4)	Y-8070-3156-0000						
9	Washer 4x6.6x1.2 (4)	Y-8041-6016-0000						
10	Rubber Grip	Y-0188-0144-0000						
11	Rod	Y-0371-1368-0000		Y-0372-1368-0000		Y-0373-1368-0000		
12	Spring 4.3x21	Y-8020-1394-0000		Y-8020-1367-0000				

Item	Part Description	Part Number						
		QS50P3	QS50PQ1	QS60P3	QS60PQ1	QS70P3	QS70PQ1	QS80P3
13	Lower Plate Spacer Assy.	Y-0371-0311-0099					Y-0373-0311-0099	
13a	Lower Plate Spacer	Y-0371-0311-0000					Y-0373-0311-0000	
† 13b	Ball Bearing 6802	Y-9100-1063-0000						
13c	Washer WSSB4-2-2	Y-8041-6015-0000						
14	Liner Case Assembly	Y-0383-0422-0098	Y-0383-0422-0096	Y-0371-0422-0099	Y-0371-0422-0098	Y-0372-0422-0099	Y-0372-0422-0098	Y-0373-0422-0099
14a	Liner Case	Y-0371-0422-0000		Y-0372-0422-0000		Y-0373-0422-0000		
† 14b	O-ring	Y-9010-6036-0000						
14c	Liner Cap	Y-0371-0423-0000					Y-0373-0423-0000	
14d	Liner Upper Plate	Y-0371-0424-0000		Y-0372-0424-0000		Y-0373-0424-0000		
14e	Liner Upper Plate A	† ↑						
† 14f	O-ring	Y-9011-6064-0000						
14g	Sensor	Y-0371-0794-0000						
† 14h	O-ring	Y-9011-0013-0000						
	Liner Assembly	Y-0371-0425-0099		Y-0372-0425-0099		Y-0373-0425-0099		
14i	Liner	† ↑						
14j	Pin FF(2)	Y-8052-1041-0000					Y-8052-3004-0000	
14k	Pin FF(2)	Y-8052-1029-0000					Y-8052-1052-0000	
14l	Relief Valve	Y-0383-0245-0000	Y-0371-0245-0000		Y-0372-0245-0000		Y-0373-0245-0000	
14m	O-ring	Y-9010-6049-0000						
14n	Spring	Y-8020-1393-0000	Y-8020-1368-0000		Y-8020-1372-0000		Y-8020-1376-0000	
14o	Ball	Y-9150-1002-0000						
14p	Pin	Y-8051-1314-0000						
14q	Main Shaft	Y-0383-0614-0099	Y-0383 0614 0051	Y-0371-0614-0001	Y-0371-0614-0051	Y-0372-0614-0001	Y-0372-0614-0051	Y-0373-0614-0001
14r	Blade (2)	Y-0371-0719-0000			Y-0372-0719-0000		Y-0181-0719-0100	
14s	Spring (2)	180PQ-568					Y-8020-1346-0000	
14t	Liner Lower Plate A	Y-0371-0426-0001					Y-0373-0426-0001	
	Liner Lower Plate B Assy.	Y-0371-0426-0099					Y-0373-0426-0099	
14u	Liner Lower Plate B	Y-0371-0426-0002					Y-0373-0426-0002	
14v	Dowel Pin	Y-0188-0308-0000						
14w	Adjust Bolt	Y-0371-0522-0000						
† 14x	O-ring	EQ1065-288						
14y	Back-up Ring	Y-9090-1028-0000						
14z	Spring	Y-8020-1365-0000						
14A1	Ball	Y-9150-1001-0000						
14B1	Oil Plug (2)	Y-01810-010-0000						
† 14C1	O-ring (2)	EQ1065-288						
† 14D1	O-ring	180PQ-271						
14E1	Back-up Ring	380PQ-272						
*15	St-packing (9.2 x 14.0 x 0.1)	Y-8011-1023-0000						
*16	St-packing (9.2 x 14.0 x 0.2)	Y-8011-1024-0000						
*17	St-packing (9.2 x 14.0 x 0.3)	Y-8011-1025-0000						
18	Hammer Case Assembly	Y-0383-0401-0099	Y-0371-0401-0099		Y-0372-0401-0099		Y-0373-0401-0099	
18a	Hammer Case	Y-0371-0401-0000			Y-0372-0401-0000		Y-0373-0401-0000	
18b	Ball Bearing	Y-9100-1079-0000						
18c	Main Shaft Bushing	Y-0383-0612-0000	Y-0371-0612-0000					
18d	Socket Plug	EQ1065-377	EQ1065-277					
19	Bit Chuck Assembly	180PQ-A667						
19a	Bit Chuck	EQ1045-930						
19b	Ball	EQ1045-929						
19c	Spring	EQ1045-931						
19d	Spring Washer	EQ1045-932						
19e	Retaining Ring	EQ1045-933						
20	Protective Boot	Y-0371-0029-0000			Y-0372-0029-0000		Y-0373-0029-0000	
21	Touch Joint	Y-9690-0002-0000						
22	Hanger	EQ1065-365A	Y-0099-0017-0000		Y-0190-1801-0000			
23	Hanger Clip	EQ1065-365B	Y-0190-1801-0000					
*	Hexagon Wrench	55P3-900	---					
*	Hexagon Wrench	55P3-901	---					
	Mechanism Tune-up Kit (include items 13b, 14b, 14f, 14h, 14x, 14C1, 14D1)	QS50P-TK1						
	Motor Tune-up Kit (include items 2, 3b, 3g, 3i)	QS50P-TK2	QS60P-TK2		QS70P-TK2	QS80P-TK2		
	Housing Tune-up Kit (include items 1c, 1h, 1i, 1j, 1l, 1m, 1r, 1t, 1u, 1w, 1B1, 1C1, 4f, 4h, 4i, 4j, 6)	QS50P-TK3	QS60P-TK3					

* Please choose and use one of them.

† ↑ The part "†" can not be supplied individually. So please order it as a unit of assembly shown by arrow mark (↑).

Maintenance Kit

Part Description	Part Number						
	QS50P3	QS50PQ1	QS60P3	QS60PQ1	QS70P3	QS70PQ1	QS80P3
Jig A	Y-0371-0990-0001						
Jig B	Y-0088-0990-0002						
Jig C	Y-0088-0990-0003					Y-0181-0990-0003	
Jig E	Y-0095-0990-0005						
Jig F	Y-0366-0990-0005						
Jig H	Y-0189-0990-0008					Y-0188-0990-0008	
Minus Driver	Y-8690-2001-0000						
Jig P (CP)	Y-0371-0990-0098			Y-0372-0990-0098		Y-0373-0990-0098	
Socket Adapter 1/2 x 3/8	Y-8290-0005-0000						
Jig W	Y-0371-0990-0023						
Jig X	Y-0371-0990-0024						

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 04584983.

Product Information Manual 47116942.

Maintenance Information Manual 47144084.

Manuals can be downloaded from www.ingersollrandproducts.com

Notes:

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www.ingersollrandproducts.com

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