



**04584462**  
Edition 3  
August 2012

## **Air Impact Wrench**

**2945 and 2950**

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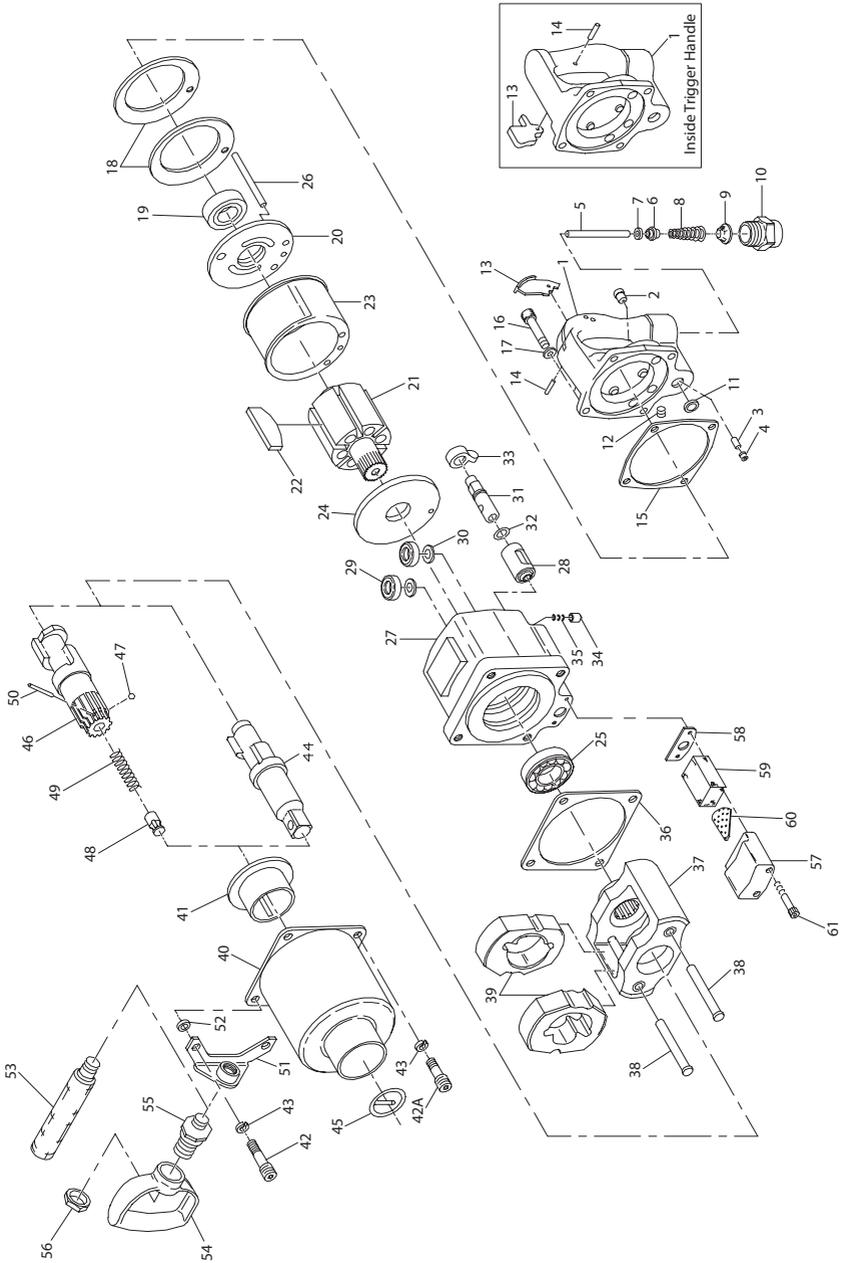
# **Parts Information**



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**IR** *Ingersoll Rand*

# 2945 and 2950 Air Impact Wrench Exploded Diagram



(Dwg. TPA1335)

## 2945 and 2950 Air Impact Wrench Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
1	Throttle Handle Assembly		39	Hammer (2)	
	with Outside Trigger	2950-A1		for 2945	2945-724
	with Inside Trigger	2950-A92		for 2950	2950-724
2	Grease Fitting	1305R-188	40	Hammer Case Assembly	
† 3	Oiler Felt	R2-75		for 2945A7, 2945B7 and 2945B1	2945-A627
4	Oiler Adjusting Screw	R2-71		for 2945A7-EU and 2945B7-EU	2945-EU-A627
5	Throttle Valve Plunger	2950-302		for 2950A7 and 2950B7	2950-A727
6	Throttle Valve Assembly	2934-A50		for 2950A7-EU and 2950B7-EU	2950-EU-A727
† 7	Throttle Valve Face	2934-159		++ 41	Hammer Case Bushing
8	Throttle Valve Spring	834-51	*	Hammer Case Label	
† 9	Air Strainer Screen	434-61		for models ending in -EU	EU-99
10	Straight Inlet	845-565		for all other models	WARNING-2-99
† 11	Reverse Valve Seal	R00BR-210	42	Hammer Case Cap Screw (3/8"-16 thread x 1-3/4") Socket Head (Long) (2)	2945-638
# 12	Oil Chamber Plug (2)	ROH-377		42A	Hammer Case Cap Screw (3/8"-16 x 1-1/2") Socket Head (Short) (2)
13	Trigger		43	Lock Washer (4)	845-58
	Outside-type	844-78			
	Inside-type	834-93A	44	1-1/2" Square Drive Anvil	
14	Trigger Pin			for 2945	2945-726
	for Outside Trigger	F02-15		for 2950	2950-726
	for Inside Trigger	534-265	45	Socket Retaining Ring (for use with 1-1/2" Square Drive Anvil)	RR100205
† 15	Handle Gasket	850-283		46	Spline Drive Anvil Assembly (No. 5 Spline)
16	Handle Cap Screw (5/16"-18 thread x 1-1/4" long Socket Head) (4)	834-638	for 2945B1		2945-A526A
17	Handle Cap Screw Washer (4)	588-140		for 2950B1	VW-1030
18	Motor Clamp Washer (2)	MR-207	47	Socket Retaining Ball	D04-280
† 19	Rear Rotor Bearing	834-24		48	Retaining Ball Plunger
20	Rear End Plate	2950-12	49	Plunger Spring	2940-231
21	Rotor			50	Plunger Retaining Pin
	for 2945	2945-53	51	Dead Handle Bracket	845-364
	for 2950	2950-53	52	Dead Handle Bracket Spacer	845-140
† 22	Vane Packet (set of 6 Vanes)			53	Dead Handle (interchanges with Side Spade Handle Assembly)
	for 2945	2945-42-6	54		Side Spade Handle Assembly (interchanges with Dead Handle)
	for 2950	2950-42-6	54	Side Spade Handle	T15-41
23	Cylinder			55	Spade Handle Stud
	for 2945	2945-3	56	Stud Nut	107-73A
	for 2950			Exhaust Deflector Kit	2934-K23
24	Front End Plate	2950-11	57	Exhaust Deflector	2934-23A
	Front Rotor Bearing	TA-22A		† 58	Gasket
26	Cylinder Dowel		† 59	Silencer	2940P-311
	for 2945	844-98		60	Exhaust Baffle
	for 2950	2950-98	61	Exhaust Deflector Screw (2)	R43F-104
27	Motor Housing Assembly		*	Nameplate	
	for 2945	2945-A40		for 2945A7, 2945B7 and 2945B1	2945-301
	for 2950	2950-A40	for 2945A7-EU and 2945B7-EU		
28	Reverse Valve Bushing	2934-3305		for 2950A7 and 2950B7	2950-301
† 29	Air Port Gasket (2)	R44H-210A		for 2950-EU and 2950B7-EU	
† 30	Gasket Retainer (2)	2940-200	*	Nameplate Screw (4)	C32-302
31	Reverse Valve Assembly	2934-A329		*	Wooden Box
† 32	Reverse Valve Bushing Seal	85H-167	*	Grease Gun	R00A2-228
33	Reverse Lever	2934-658A	*	Tune-up Kit	
† 34	Reverse Lock Plunger	4U-663B		for 2945 (includes illustrated parts 3, 7, 9, 11, 15, 19, 22, 25, 29 [2], 30,[2], 32, 34, 35, 36, 58 and 59)	2945-TK2
† 35	Plunger Spring	4U-664		for 2950 (includes illustrated parts 3, 7, 9, 11, 15, 19, 22, 25, 29 [2], 30 [2], 32, 34, 35 and 36)	2950-TK2
† 36	Hammer Case Gasket	845-36			
37	Hammer Frame Assembly				
	for 2945	2945-A703			
	for 2950	2950-A703			
38	Hammer Pin (2)				
	for 2945	2945-704			
	for 2950	2950-704			

\* Not Illustrated.

† Indicates a Tune-up Kit part.

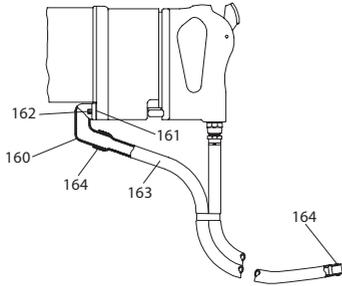
• To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by a bullet (•) for every four tools in service.

++ The Hammer Case Bushing is a press fit in the Hammer Case. A .005" oversize Bushing is available and should be used if the nose of the Case has stretched to the extent that a new standard size Bushing fits loosely. The Part No. for a .005" oversize Bushing is 2950-541-5.

# Some tools have a single oil chamber plug. For these tools, order one Oil Chamber Plug, Part Number R2-227.

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## Piped-away Exhaust Kit



(Dwg. TPA559)

Item	Part Description	Part Number
	Piped Away Exhaust Kit	
	without Muffler	2940-K184
160	Exhaust Adapter	2940-167
161	Exhaust Adapter Gasket	2940-30
162	Adapter Cap Screw (No. 10-24 thread x 5/8" Socket Head (2))	AL-638
163	Exhaust Hose	R21-230
164	Hose Clamp	R21-31

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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.

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## Related Documentation

For additional information refer to:

Product Safety Information Manual 04580916.

Product Information Manual 04584835.

Maintenance Information Manual 04584306.

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

**Notes:**

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