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# Air Screwdrivers and Angle Wrenches

41 Series

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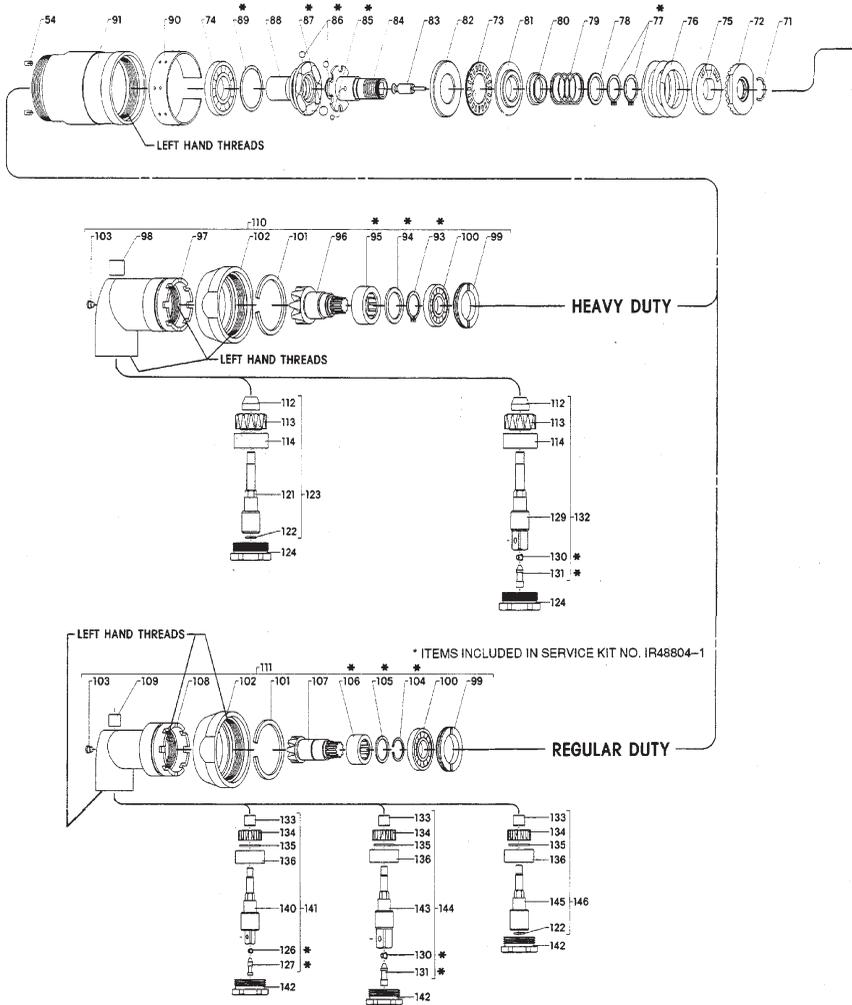
## Parts Information



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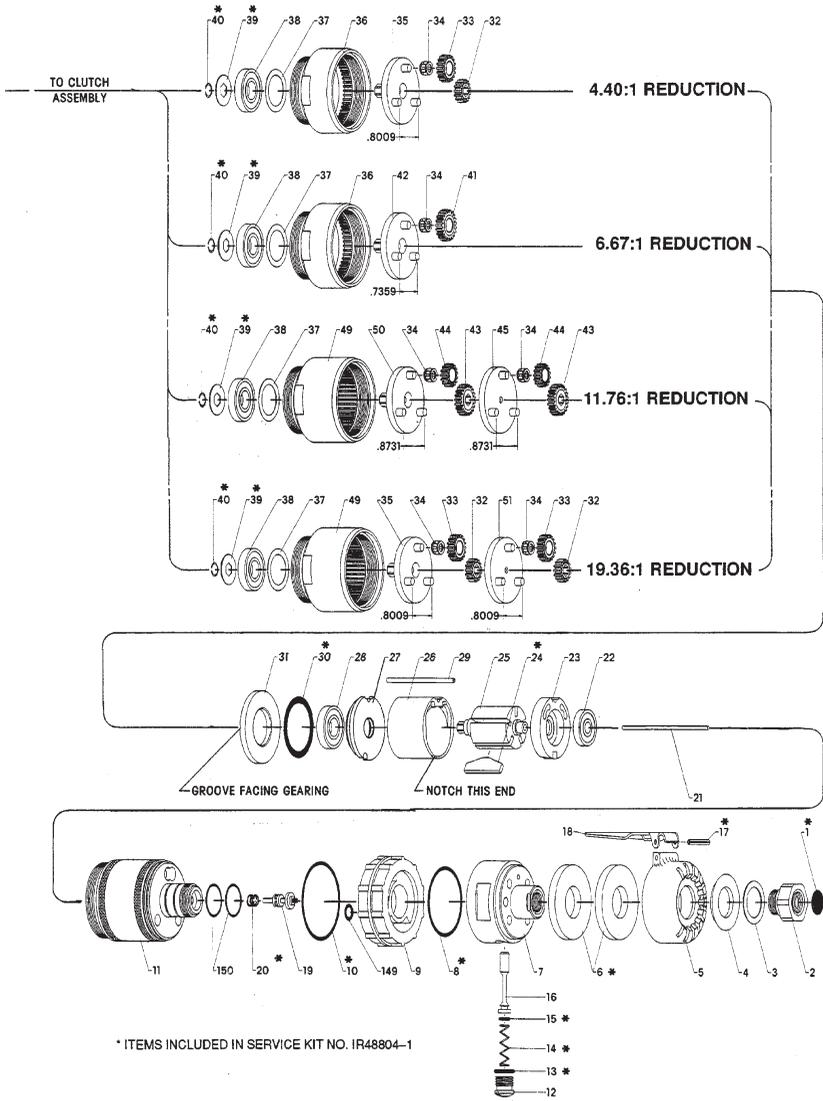
 **Ingersoll Rand**<sup>®</sup>

# 41 Series Air Screwdrivers and Angle Wrenches Exploded Diagram



(Dwg.)

**41 Series Air Screwdrivers and Angle Wrenches Exploded Diagram**



(Dwg. )

## 41 Series Air Screwdrivers and Angle Wrenches Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
1	Screen	33911	54	Pin (2)	Y124-61
2	Inlet Adapter	46377		Auto Shut-Off Clutch Assembly	
3	Spacer	47139		for model 41AA6LT	48407-3
4	Diffuser Washer	46449		for model 41AA9LT	48407-2
5	Exhaust Cap	46448		for models 41AA16LT and 41AA24LT	48407-1
6	Filler (2)	46452	71	Snap Ring	Y110-105
7	Head	48387-1	72	Adjustment Nut	46895
8	O-Ring	Y325-27	73	Thrust Bearing	38995
9	Reverse Ring	48229-1	74	Ball Bearing	Y65-2-12
10	O-Ring	Y325-29	75	Adjustment Washer	48903
11	Motor Housing (includes Roll Pin Y178-19)	49722	76	Clutch Spring	
12	Screw	37776		for 600 rpm models	
13	O-Ring	Y325-13		(yellow, 35-130 in lbs)	48047
14	Spring	47709		for 900 rpm models	
15	O-Ring	Y325-7		(brown, 25-90 in lbs)	48095
16	Throttle Valve Stem	36602		for 1600 rpm models	
17	Roll Pin	Y178-28		(green, 25-58 in lbs)	48096
18	Lever	48246-1		for 2400 rpm models	
19	Valve Assembly (includes O-Ring Y325-6)	48411-1		(green, 20-40 in lbs)	48096
20	Spring	47587	77	Retaining Ring (2)	Y145-18
21	Throttle Rod (lever throttle models)		78	Guide	48295-1
	for 600 and 900 rpm models (4.080" long)	46511-408	79	Spring	47064
	for 1600 and 2400 rpm models (3.570" long)	46511-357	80	Ball Sleeve	48294-1
			81	Thrust Race	48094
			82	Thrust Race	48301-1
	Motor Assembly		83	Plunger	48293-2
	for models 41AA6LT, 41AA9LT and 41AA24LT	47726-1	84	Spindle	48299-1
	for model 41AA16LT	47725-1	85	Ball (6)	Y16-203
22	Ball Bearing	47724	86	Ball (23)	Y16-204
23	Rear End Plate	46312-1	87	Ball (6)	Y16-206
24	Vane (5)	46313-1	88	Driven Jaw	48386-1
25	Rotor		89	Retaining Ring	48300-1
	for models 41AA6LT, 41AA9LT and 41AA24LT	46453	90	External Adjustment Sleeve	46534
	for model 41AA16LT	46469	91	Housing Assembly (includes items 54 and 90)	48396-1
26	Cylinder	46311	93	Retaining Ring	Y145-18
27	Front End Plate	47722	94	Spacer	46748
28	Ball Bearing	Y65-13	95	Needle Bearing	46747
29	Locating Pin	47723-1	96	Pinion	46738
30	O-Ring	Y325-214	97	Right Angle Housing	48230-1
31	Spacer	46412	98	Needle Bearing	37110
32	Sun Gear (1 or 2) (4.40:1 ratio) (15 teeth)	46466	99	Bearing Lock Nut	37105
33	Planet Gear (3 of 6) (4.40:1 ratio) (18 teeth)	46900	100	Ball Bearing	32850
34	Needle Bearing (3 or 6)	42315	101	Snap Ring	Y110-11
35	Spindle Assembly (4.40:1 ratio)	47753	102	Lock Nut	46745
36	Ring Gear (single reduction)	48905	103	Grease Fitting	35967
37	Spacer	46496	104	Snap Ring	Y110-5
38	Ball Bearing	Y65-13	105	Spacer	46742
39	Washer	47694	106	Needle Bearing	48202-1
40	Snap Ring	Y142-2	107	Pinion	46733
41	Planet Gear (3) (6.67:1 ratio) (21 teeth)	46901	108	Right Angle Housing	48205-1
42	Spindle Assembly (6.67:1 ratio)	47750	109	Needle Bearing	46750
43	Sun Gear (1 or 2) (3.43:1 ratio) (21 teeth)	46465	110	Right Angle Assembly (for 3/8" drive) (1.33:1 ratio) (includes item 147)	48399-1
44	Planet Gear (3 or 6) (3.43:1 ratio) (15 teeth)	46899	111	Right Angle Assembly (for 1/4" drive) (1.44:1 ratio) (includes item 148)	48212-1
45	Carrier Assembly (3.43:1 ratio)	46521	112	Sleeve	47601
49	Ring Gear (double reduction)	48904	113	Bevel Gear	46736
50	Spindle Assembly (3.43:1 ratio)	47752	114	Ball Bearing	31824
51	Carrier Assembly (4.40:1 ratio)	46522	121	Spindle (1/4" hex drive)	48375-1

## 41 Series Air Screwdrivers and Angle Wrenches Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
122	Retaining Ring	38790	145	Spindle Assembly (9/16" hex drive)	48231-1
123	Spindle Assembly (1/4" hex drive)	48403-1	146	Spindle Assembly (1/4" hex drive)	48232-1
124	Lock Nut	48378-1	*	Sleeve (not shown) (included in item 110)	48193-1
129	Spindle (3/8" square drive)	48377-1	*	Sleeve (not shown) (included in item 111)	48194-1
130	Pin	30889	149	O-Ring	Y325-9
131	Insert	30890	150	O-Ring (2)	48882
132	Spindle Assembly (3/8" square drive)	48405-1		Service Kit (includes items 1, 6, 8, 10, 13, 14, 15, 17, 20, 24, 30, 39, 40, 77, 85, 86, 87, 89, 93, 94, 95, 104, 105, 106, 126, 127, 130 and 131)	48804-1
133	Sleeve	47600			
134	Bevel Gear	46735			
135	Washer	47694	*		
136	Ball Bearing	Y65-13		for all models ending in -EU	EU-99
140	Spindle (1/4" square drive)	48237-1		for all other models	WARNING-5-99
141	Spindle Assembly (1/4" square drive)	48235-1	*	CE Label	49882
142	Lock Nut	48187-1	*	Rotation Label	49884
143	Spindle (3/8" square drive)	48233-1	*	Forward-Reverse Label	49931
144	Spindle Assembly (3/8" square drive)	48234-1			

\* 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 Manual 04585006  
 Product Information Manuals 80167398, 80167372,  
 Product Maintenance Information Manual 16575292.

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





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