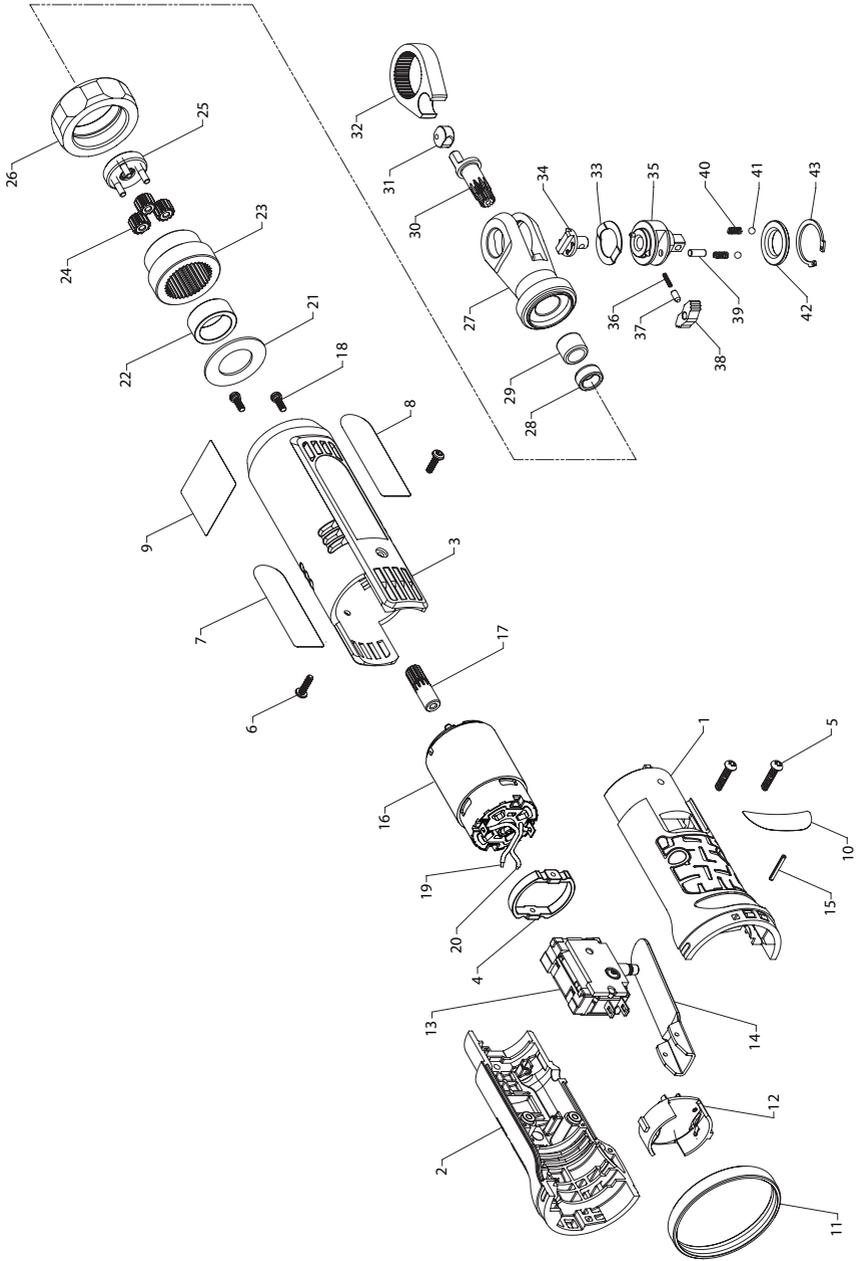


# R140 and R145 Cordless Ratchet Wrench Exploded Diagram



(Dwg. 45507225)

## R140 and R145 Cordless Ratchet Wrench Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
	Housing Kit		30	Crankshaft	103A-35
	for R140	R140-K40	31	Drive Bushing	103A-36
	for R145	R145-K40	32	Yoke	103A-37
1	Right Housing	---		Ratchet Head Kit	
2	Left Housing	---		for R140	103A-TRK1
3	Front Housing	---		for R145	1033A-TRK1
4	Coupling Ring	R380-K337	33	Wear Washer	---
5	Screw, Grip (2 per kit)	---	34	Reverse Button	---
6	Screw, Housing (2 per kit)	---	35	Anvil Assembly	
7	Nameplate	---		for R140	103A-A44
8	Information Label	---		for R145	1033A-A44
9	Warning Label	---	36	Lock Spring	---
10	Voltage Label	---	37	Lock Pin	---
11	Housing Ring	W040-K339	38	Pawl	---
12	Battery Connector	R380-K56	39	Pawl Retaining Pin	---
13	Switch	R380-K93	40	Friction Spring (2 per kit)	---
	Trigger Lever Kit	R380-K273	41	Friction Ball (2 per kit)	---
14	Trigger Lever	---	42	Thrust Washer	---
15	Trigger Lever Pin	---	43	Retaining Ring	---
	Electric Motor Kit	R140-K54		Fastener Kit (includes items 5, 6, and 18)	R380-K105
16	DC Motor	---		Label Kit (includes items 7-10)	
17	Pinion	---		for R140	R140-K99
18	Screw, Motor Mount (2 per kit)	---		for R145	R145-K99
19	Wire, Positive	---		Pawl Kit (includes items 36-39)	103A-K43
20	Wire, Negative	---		Spring Kit (includes items 40-43)	103A-SK
21	Washer	R380-K18		Grease	
	Gearing Kit	R140-GK		IR # 67 (1 lb can) - for Gearing	67-1 LB
22	Spacer	---		IR # 67 (8 lb can) - for Gearing	67 8 LB
23	Internal Gear	---		IR # 70 (1 lb can) - for Ratchet Head	70 1LB
24	Planet Gear (3 per kit)	---		IR # 70 (8 lb can) - for Ratchet Head	70 8 LB
25	Spindle Assembly	---		Spline Wrench (for removal of item 23)	1215-SW
26	Coupling Nut	R140-27		7.2V Li-Ion Battery Pack	BL072
	Ratchet Housing Assembly	103A-A322		7.2V Ni-Cd Battery Pack	N072
27	Ratchet Housing	---		Battery Charger	BC10
28	Crankshaft Bushing	---			
29	Crankshaft Needle Bearing	---			

### 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:

Cordless Ratchet Wrench Safety Information Manual 80232929.

Cordless Ratchet Wrench Product Information Manual 80232937.

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

