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Electrical Screwdrivers

EL-ESD 24V Series

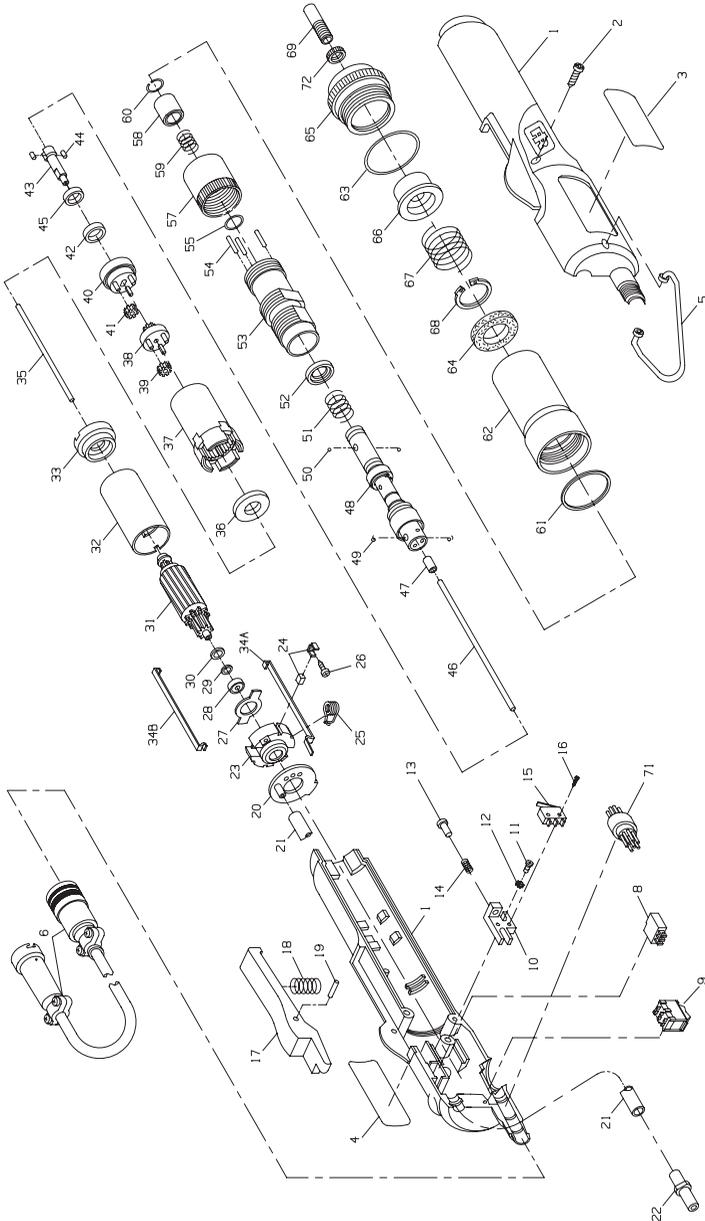
Parts Information



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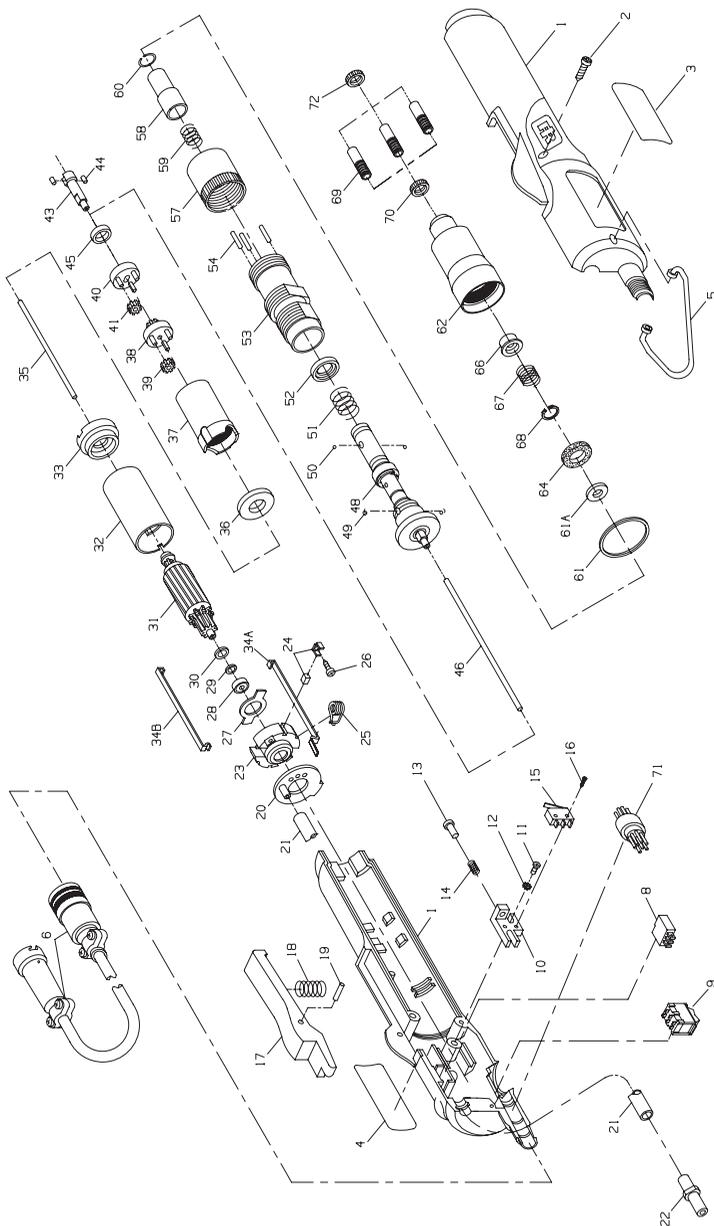
 **Ingersoll Rand**

EL1007BC-ESD Housing Package Exploded Diagram



(Dwg. TPA1677-4)

EL-SS-ESD Housing Package Exploded Diagram



(Dwg. TPA1697-2)

EL1007BC-ESD and EL-SS-ESD Housing Package Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
	Housing Package		35	Push Rod (1.403" long)	EL0109B-436
	for EL0410BC-SS-ESD	EL0410BC-A40-ESD	36	Motor Clamp Spacer	EL0109B-207
	for EL0510BC-SS-ESD	EL0510BC-A40-ESD	37	Gear Case	
	for EL0807BC-SS-ESD	EL0807BC-A40-ESD		for EL0410BC-SS-ESD and EL0510BC-SS-ESD	EL0410B-37
	for EL1007BC-SS-ESD	EL1007BC-A40-SS-ESD		for EL0807BC-SS-ESD, EL1007BC-SS-ESD and EL1007BC-ESD	EL1007B-37
1	Housing	---			
2	Housing Screw (3)	---			
3	Nameplate		38	Gear Head Assembly	
	for EL0410BC-SS-ESD	EL0410BC-301-SSESD		for EL0410BC-SS-ESD and EL0510BC-SS-ESD	EL0410B-216
	for EL0510BC-SS-ESD	EL0510BC-301-SSESD		for EL0807BC-SS-ESD, EL1007BC-SS-ESD and EL1007BC-ESD	EL1007B-216
	for EL0807BC-SS-ESD	EL0807BC-301-SSESD			
	for EL1007BC-SS-ESD	EL1007BC-301-SSESD			
	for EL1007BC-ESD	EL1007BC-301-ESD			
4	Warning Label	EL0109B-99	39	Gear Head Planet Gear (3)	
5	Suspension Bail	EL0109B-365		for EL0410BC-SS-ESD and EL0510BC-SS-ESD	EL0410B-10-ESD
6	Power Cord Assembly	EL0410B-239-ESD		for EL0807BC-SS-ESD, EL1007BC-SS-ESD and EL1007BC-ESD	EL1007B-10
8	Trigger switch	EL0109B-222			
9	Reverse Switch	EL0109B-329			
10	Switch Plate	EL0109B-221			
11	Switch Plate Screw (2)	EL0109B-226	40	Spindle Assembly	
12	Switch Plate Screw Lock Washer (2)	EL0109B-227		for all -SS-ESD models	EL0410B-108-ESD
13	Plunger	EL0109B-593		for EL1007BC-ESD	EL1007B-108
14	Plunger Spring	EL0109B-595	41	Spindle Planet Gear (3)	
15	Brake Switch	EL0109B-223		for EL0410BC-SS-ESD and EL0510BC-SS-ESD	EL0410B-9-ESD
16	Microswitch Screw (2)	EL0109B-224		for EL0807BC-SS-ESD, EL1007BC-SS-ESD and EL1007BC-ESD	EL1007B-9
17	Trigger	EL0410B-93-ESD			
18	Trigger Spring	EL0109B-274			
19	Trigger Pin	EL0109B-275			
20	Shield Plate	EL0410BC-42-ESD	42	Thrust Washer (for EL1007BC-ESD)	EL0410B-109
21	Vacuum Tube	EL0410BC-43	43	Cam (for EL1007BC-ESD)	EL1007B-581
22	Vacuum Tube Nozzle	EL0410BC-44	44	Cam Pin (for EL1007BC-ESD)	EL1007B-587
	Motor Assembly		45	Cam Collar	
	for EL0410BC-SS-ESD and EL0510BC-SS-ESD	EL0410B-A53-ESD		for all models ending in -SS-ESD	EL0410B-109-ESD
	for EL0807BC-SS-ESD, EL1007BC-SS-ESD and EL1007BC-ESD	EL1007B-A53-ESD		for EL1007BC-ESD	EL1007B-588
23	Rear End Plate	EL0109B-12	46	Push Rod	
24	Brush Assembly (2)	---		for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL1007B-435-ESD
25	Brush Spring	EL0109B-16		for EL1007BC-ESD	EL0109B-435
26	Brush Screw (2)	---	47	Cam Guide Sleeve	EL0410B-408
27	Motor Plate	EL0109B-13	48	Bit Holder Assembly	
28	Rear Armature Bearing	EL0109B-22		for EL0510BC-SS-ESD for EL0410BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410B-586-ESD
29	Shim (2) (.238" O.D. X .020" thick)	EL0109B-56		for EL1007BC-ESD	EL1007B-586-ESD
30	Shim (2) (.375" O.D. X .015" thick)	EL0109B-55			
31	Armature		49	Cam Guide Ball (2)	
	for EL0410BC-SS-ESD and EL0510BC-SS-ESD	EL0410B-53		for EL0510BC-SS-ESD	EL0510B-933-ESD
	for EL0807BC-SS-ESD, EL1007BC-SS-ESD, and EL1007BC-ESD	EL1007B-53		for all other models	EL1007B-933
32	Field	EL0109B-54	50	Bit Retaining Ball (2)	
33	Front End Plate	EL0109B-11		for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410B-105-ESD
34A	Motor Assembly Spring (lower)	EL0410B-98-ESD		for EL1007BC-ESD	R000B-263
34B	Motor Assembly Spring (upper)	EL0109B-98			

EL0410/EL0510/EL0807/EL1007 Housing Package Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
51	Clutch Spring			EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410BC-46-ESD
	for EL0410BC-SS-ESD	EL0109B-583		for EL1007BC-SS-ESD	EL1007BC-46-ESD
	for EL0510BC-SS-ESD	EL0410B-583-ESD		for EL1007BC-SS-ESD	EL1007BC-46-ESD
	for EL0807BC-SS-ESD	EL0807B-583-ESD		for EL1007BC-SS-ESD	EL1007BC-46-ESD
	for EL1007BC-SS-ESD and EL1007BC-ESD	EL1007B-933	63	O-Ring (for EL1007BC-ESD)	EL0410BC-47
52	Clutch Spring Plate		64	Filter	
	for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007B-SS-ESD	EL0410B-623-ESD		for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410BC-48-ESD
	for EL1007BC-ESD	EL0410B-623		for EL1007BC-ESD	EL0410BC-48
53	Clutch Housing		65	Front Cap (for EL1007BC-ESD)	EL1007BC-49-ESD
	for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410B-580-ESD	66	Sleeve Holder	
	for EL1007BC-ESD	EL0410B-580		for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410BC-50-ESD
54	Clutch Adjusting Pin			for EL1007BC-ESD	EL0410BC-50
	for EL0410BC-SS-ESD	EL1007B-416	67	Holder Spring	
	for EL0510BC-SS-ESD, EL0807BC-SS-ESD, and EL1007BC-SS-ESD	ES40T-601-3		for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410BC-51-ESD
	for EL1007BC-ESD	EL1007B-416		for EL1007BC-ESD	EL0410BC-51
55	Bit Retainer Retaining Ring (for EL1007BC-ESD)	EP4007N-584	68	Holder Retaining Ring	
57	Clutch Adjusting Ring			for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410BC-52-ESD
	for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410B-582-ESD		for EL1007BC-ESD	EL0410BC-52
	for EL1007BC-ESD	EL1007B-582	69	Vacuum Sleeve	
58	Bit Retainer Sleeve			for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410BC-53-ESD
	for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410B-930-ESD		for EL1007BC-ESD	EL0410BC-53
	for EL1007BC-ESD	EL0410B-930	70	Vacuum Sleeve Lockout	
59	Bit Retainer Sleeve Spring			for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD, EL1007BC-SS-ESD and EL1007BC-ESD	EL0410BC-54-ESD
	for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410B-931-ESD	71	Insulator	EL0410B-330-ESD
	for EL1007BC-ESD	EL0410B-931	72	Vacuum Sleeve Lockout II	EL0410BC-54
60	Bit Retaining Ring (front)		*	Switch Adjusting Gauge	EL0410B-SG
	for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410B-683-ESD	*	Gear Case Fixture	EL0410B-J37
	for EL1007BC-ESD	EP4007N-683	*	Brush Package (10 pieces)	EL0109B-BP
61	Packing Ring	EL0410BC-45	*	Hardware Package (includes illustrated items 2[3], 11[2], 12[2], 13, 16[2], 18, 19, 25, 26[2], 34A, 34B and 60)	
61A	Liner (for all models ending in -SS-ESD only)	EL0410BC-102-ESD		for EL0410BC-SS-ESD, EL0510BC-SS-ESD, EL0807BC-SS-ESD and EL1007BC-SS-ESD	EL0410B-HP-ESD
62	Nose Collar			for EL1007BC-ESD	EL1007B-HP-ESD

* 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:
Electrical Screwdrivers Product Safety Information Manual 16573685,
Electrical Screwdrivers Product Information Manual 16578692.
Electrical Screwdrivers Maintenance Information Manual 16575367

Manuals can be downloaded from www.irtools.com.

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