



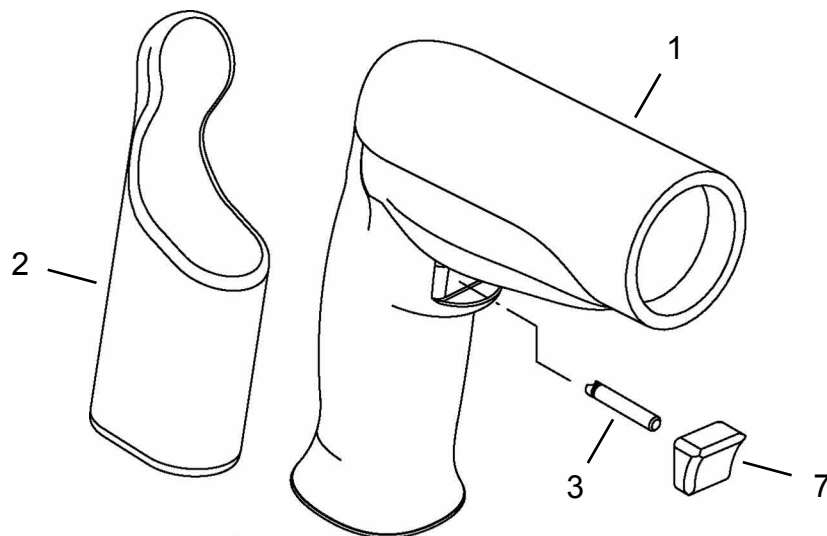
	14	CS	L	XX	-	XX	
Tool Series							
14 = Ergo Drill							
Motor Style							
CS = Trigger Operated, 0.6 hp, Pistol Grip							
Handle Style							
L = Large Handle							
Speed Options (RPM)							
90 = 20,000	95 = 1,300						
91 = 5,200	97 = 500						
92 = 3,200	98 = 6,000						
Termination Code							
38 = 1/4" Jacobs Chuck							
40 = No Chuck							
51 = 3/8" Jacobs Chuck (#41BA)							

For additional product information visit our website at:

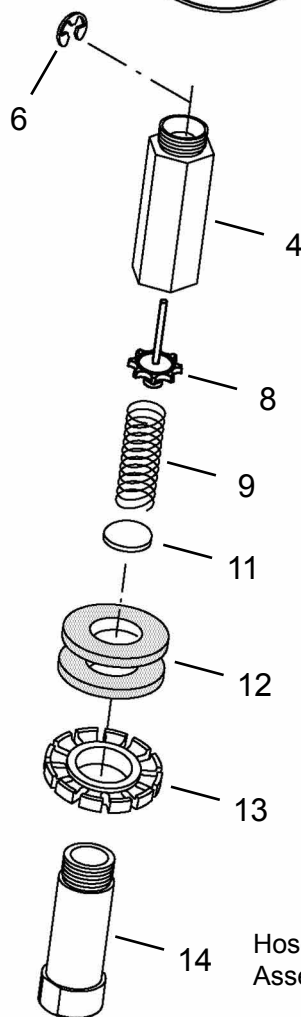
<https://dotcotool.com/product-category/dotco-air-tools/dotco-pneumatic-drills/dotco-pistol-grip-drills/dotco-14cs-series-pistol-grip-drills/>

Dotco®
Handle Assembly

"A"



Assemble Retaining Ring
thru bottom of handle. Use
Truarc tool #E015 (0.025)



Hose Adapter (1/4" NPT)
Assembly Torque (20-25 ft. lbs.)

Illustration "A": Handle Assembly

Ref	Number	#	X	EN
				Description
1	01-2201	1		Pisto Grip Handle
2	01-2702	1		Handle Sleeve
3	1110077	1		Push Rod
4	1110052	1		Valve Housing
5	04-0001	1	2	Trigger Kit (includes Ref. 6-9)
6	-----	1		Retaining Ring
7	-----	1		Trigger
8	-----	1		Tip Valve
9	-----	1		Spring
10	04-0002	1	2	Air Inlet Kit (includes Ref. 11-13)
11	-----	1		Air Inlet Screen
12	-----	1		Muffler
13	-----	1		Muffler Diffuser
14	1110053	1	1	Hose Adapter

(#) Quantity

(X) Recommended Spare Parts (quantity shown based on 1-5 tools in operation)

“B”

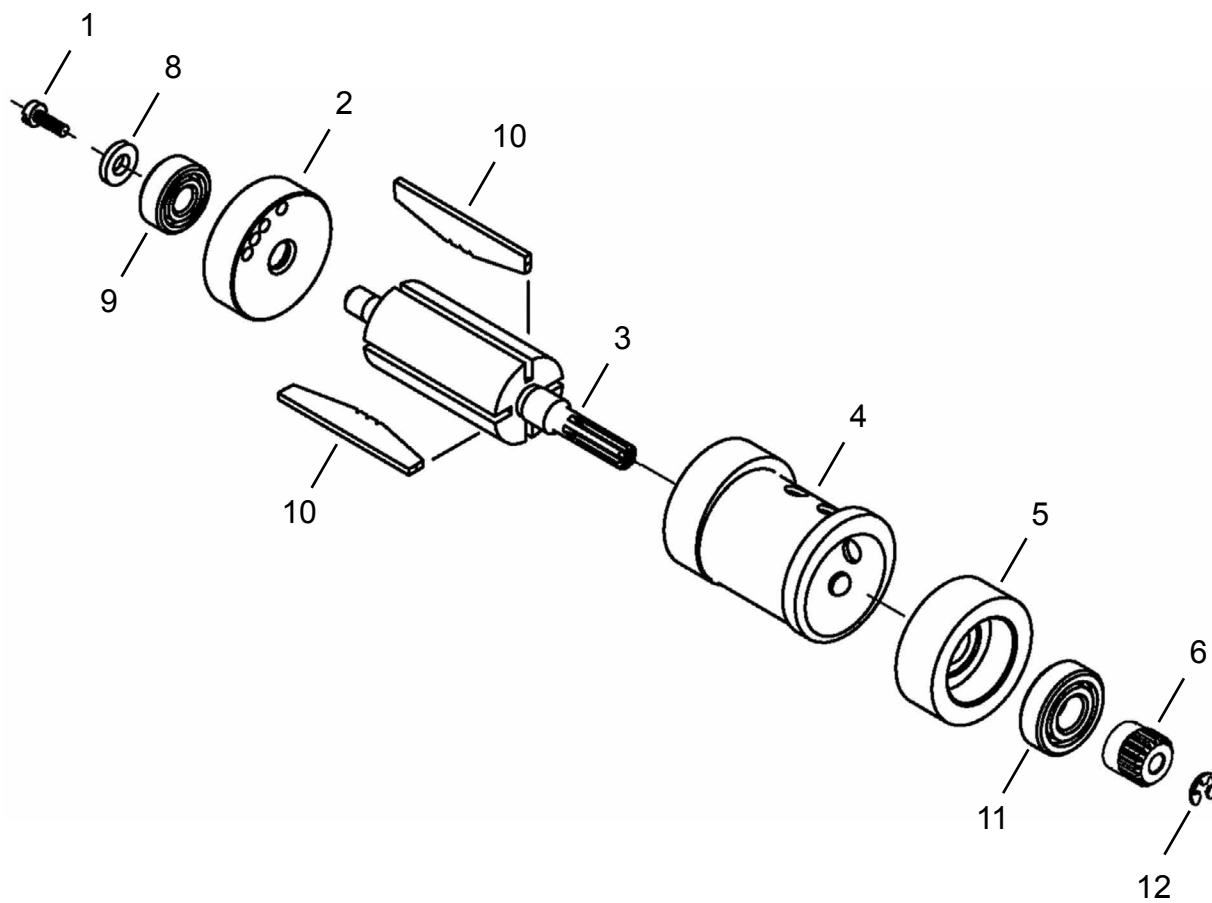


Illustration "B": Motor Assembly

Ref	Number	#	X	EN
				Description
1	1011750	1	2	Rotor Screw
2	1110068	1		Rear End Plate
3	Table "B"	1		Rotor
4	1008309	1		Cylinder
5	1008260	1		Front End Plate
6	Table "B"	1	1	Detachable Pinion
7	Table "B"	1	2	Motor Kit (includes Ref. 8-12)
8	-----	1		Washer
9	-----	1		Ball Bearing
10	-----	4		Rotor Blade *
11	-----	1		Ball Bearing
12	-----	1		Retaining Ring

(#) Quantity

(X) Recommended Spare Parts (quantity shown based on 1-5 tools in operation)

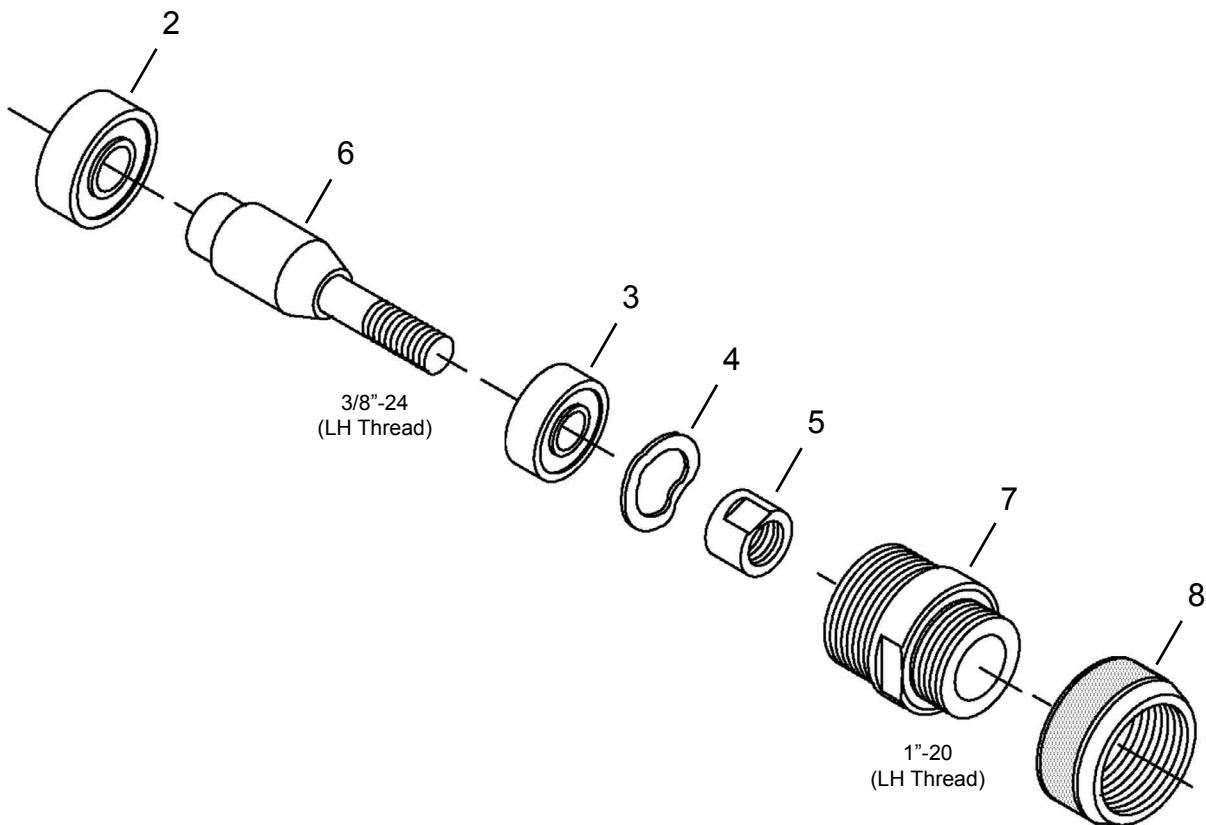
* Note: 1025413 = Package of 100 replacement Rotor Blades

Table "B"

Ref.	Description	Speed Code									
		#	90	#	91, 95	#	92	#	97	#	98
3	Rotor	1	1110120	1	1012811	1	1012769	1	1012812	1	1012811
6	Detachable Pinion		-----	1	1021745		-----		-----	1	1017625
7	Motor Kit	1	04-0003	1	04-0004	1	04-0003	1	04-0003	1	04-0004

“C”

Models
14CSL90-XX



Dotco®
Nose Assembly

45-8444
08/14/2014

Illustration "C": Nose Assembly

Ref	Number	#	X	EN
				Description
1	04-0007	1	2	Output Spindle Kit (includes Ref. 2-5)
2	-----	1		Ball Bearing
3	-----	1		Ball Bearing
4	-----	1		Wave Washer
5	-----	1		Spindle Nut
6	1110124	1		Spindle
7	1110118	1		Nosepiece
8	1110050	1		Thread Cover

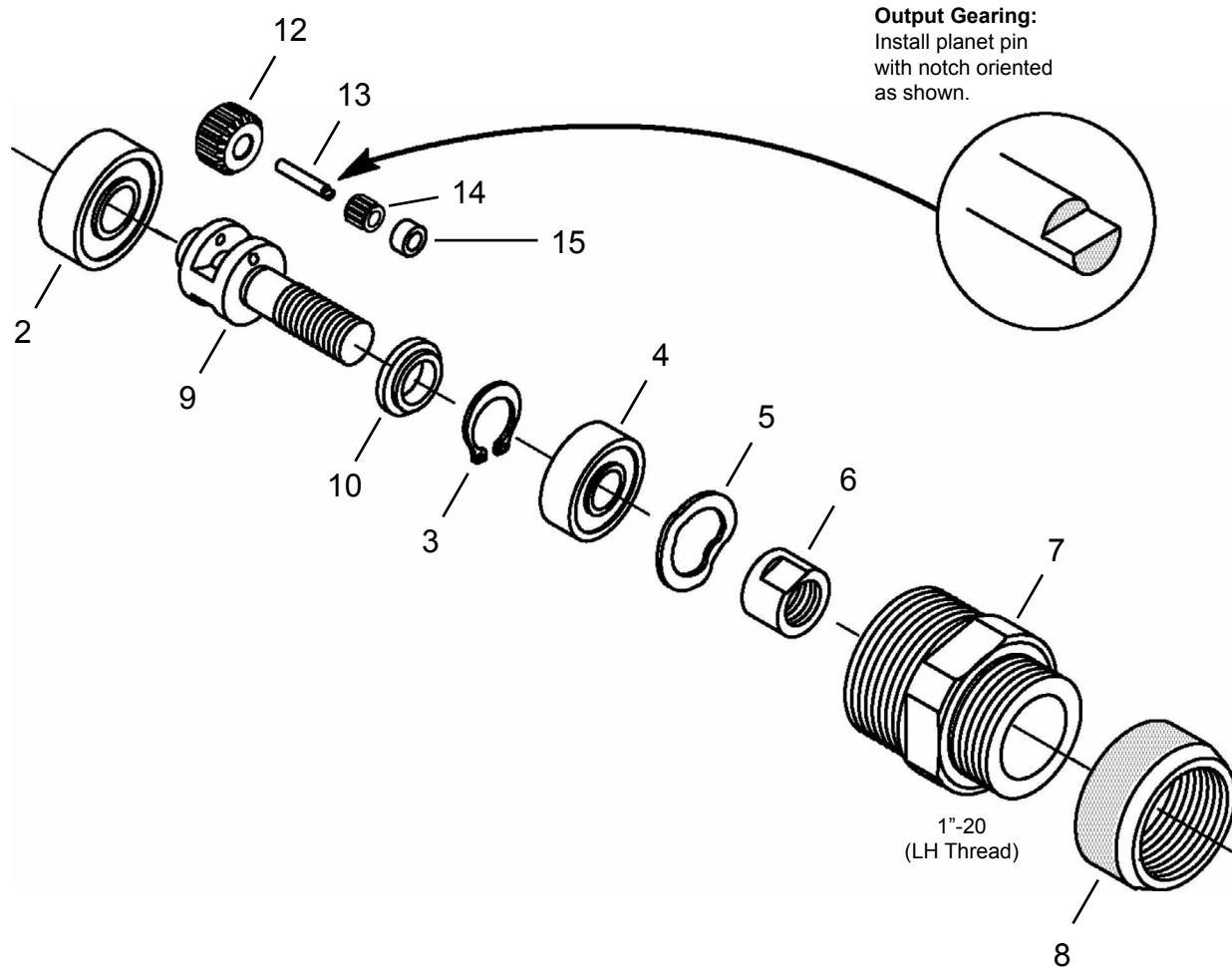
(#) Quantity

(X) Recommended Spare Parts (quantity shown based on 1-5 tools in operation)

Dotco®
Single Stage Gearing Assembly

"D"

Models
14CSL91-XX
14CSL92-XX



Dotco®
Single Stage Gearing Assembly

45-8444
08/14/2014

Illustration "D": Gearing Assembly

Ref	Number	#	X	EN
				Description
1	04-0008	1	2	Output Spindle Kit (includes Ref. 2-6)
2	-----	1		Ball Bearing
3	-----	1		Retaining Ring
4	-----	1		Ball Bearing
5	-----	1		Wave Washer
6	-----	1		Spindle Nut
7	Table "D"	1		Gear Housing
8	1110050	1		Thread Cover
9	Table "D"	1		Planetary Gear Cage
10	Table "D"	1		Planetary Gear Cage Washer
11	Table "D"	1	2	Planetary Gear Kit (includes Ref. 12-15)
12	-----	2		Planetary Gear
13	-----	2		Planetary Gear Pin
14	-----	2		Needle Bearing
15	-----	4		Planetary Gear Washer

(#) Quantity

(X) Recommended Spare Parts (quantity shown based on 1-5 tools in operation)

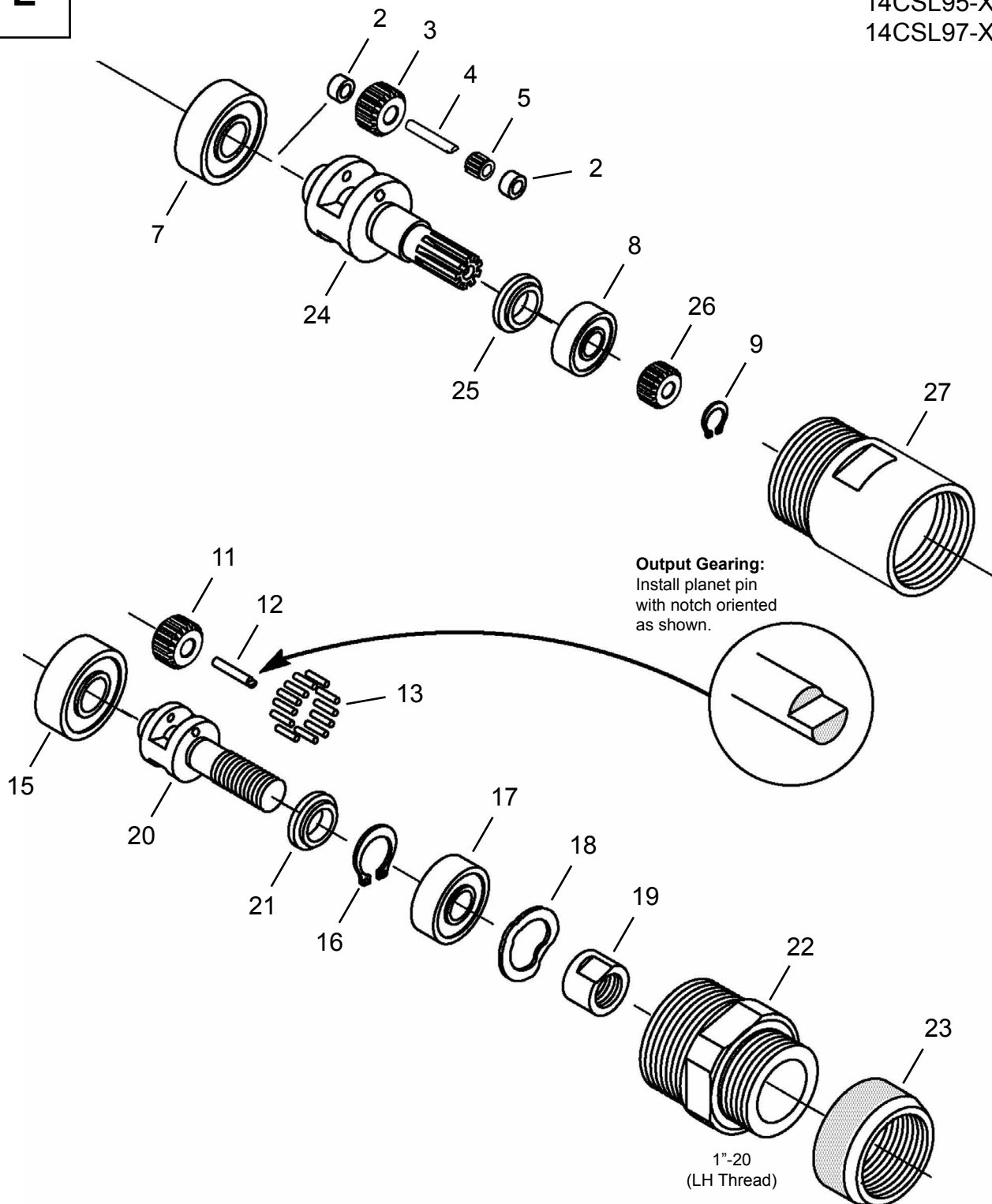
Table "D"

Ref.	Description	#	14CSL91	#	14CSL92
--	Complete Gearing Assembly	1	1025933	1	1025564
7	Gear Housing	1	1110040	1	1110042
9	Planetary Gear Cage	1	1110043	1	1110044
10	Planetary Gear Cage Washer	1	1110069	1	1110070
	Washer Diameter		0.743"		0.677"
11	Planetary Gear Kit	1	04-0010	1	04-0011

Dotco®
Double Stage Gearing Assembly

"E"

Models
14CSL95-XX
14CSL97-XX



Dotco®
Double Stage Gearing Assembly

45-8444
08/14/2014

Illustration "E": Gearing Assembly

Ref	Number	#	X	EN
				Description
1	Table "E"	1	2	Planetary Gear Kit (includes Ref. 2-5)
2	-----	4		Planetary Gear Washer
3	-----	2		Planetary Gear
4	-----	2		Planetary Gear Pin
5	-----	2		Needle Bearing
6	04-0014	1	2	Planetary Gear Cage Kit (includes Ref. 7-9)
7	-----	1		Ball Bearing
8	-----	1		Ball Bearing
9	-----	1		Retaining Ring
10	04-0013	1	2	Planetary Gear Kit (includes Ref. 11-13)
11	-----	2		Planetary Gear
12	-----	2		Planetary Gear Pin
13	-----	22		Planetary Gear Roller
14	04-0008	1	2	Output Spindle Kit (includes Ref. 15-19)
15	-----	1		Ball Bearing
16	-----	1		Retaining Ring
17	-----	1		Ball Bearing
18	-----	1		Wave Washer
19	-----	1		Spindle Nut
20	1110043	1		Planetary Gear Cage
21	1110069	1		Planetary Gear Cage Washer
22	1110040	1		Gear Housing
23	1110050	1		Thread Cover
24	Table "E"	1		Planetary Gear Cage
25	Table "E"	1		Planetary Gear Cage Washer
26	1017856	1	2	Detachable Pinion
27	Table "E"	1		Gear Housing
28	Table "E"	1		Primary Gear Assembly
29	1025559	1		Output Gear Assembly

(#) Quantity

(X) Recommended Spare Parts (quantity shown based on 1-5 tools in operation)

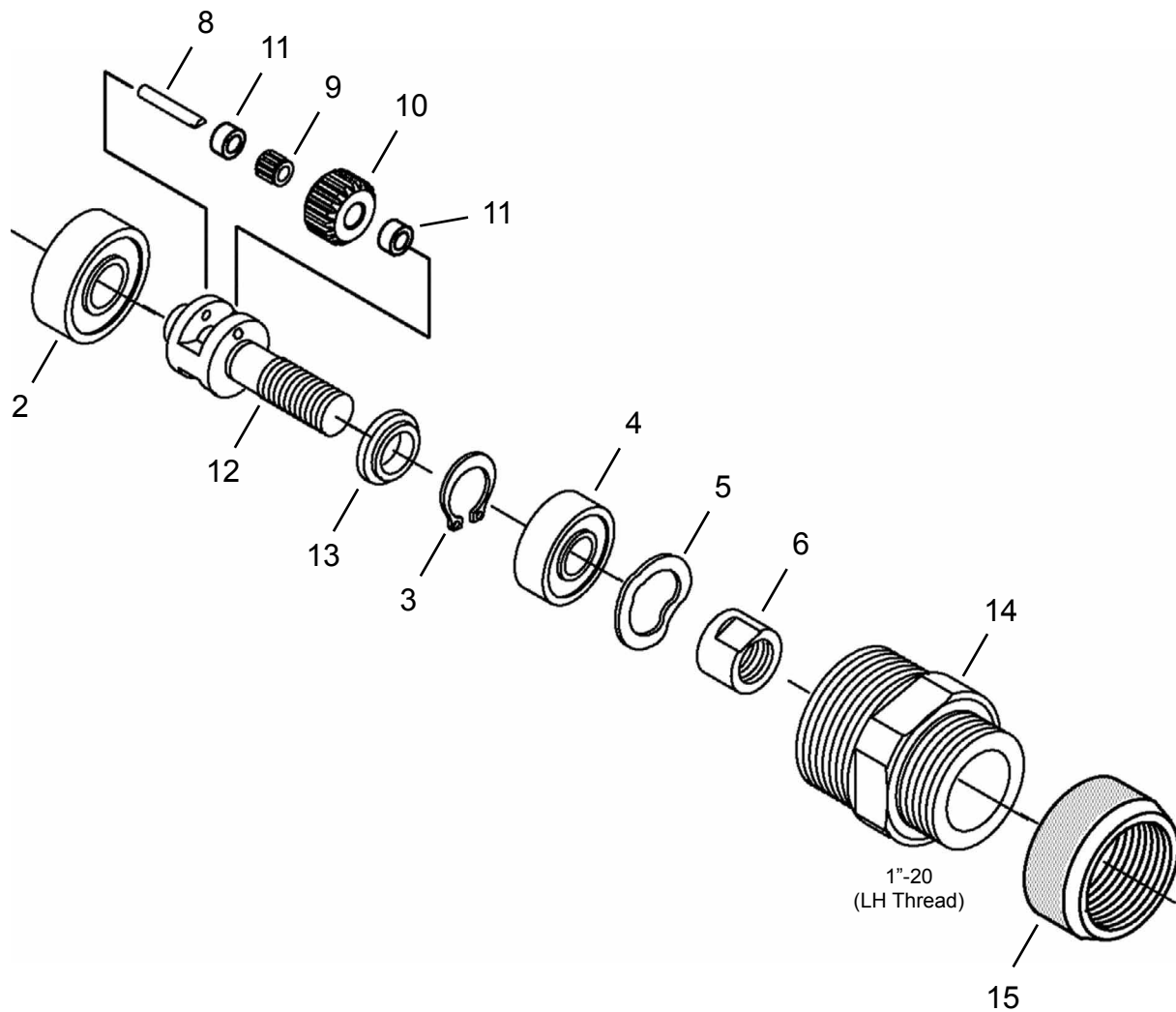
Table "E"

Ref.	Description	#	14CSL95	#	14CSL97
1	Planetary Gear Kit	1	04-0010	1	04-0011
24	Planetary Gear Cage	1	1017842	1	1110141
25	Planetary Gear Cage Washer	1	1017051	1	1110138
	Washer Diameter		0.745"		0.646"
27	Gear Housing	1	1008955	1	1008956
28	Primary Gear Assembly	1	1025583	1	1025605

Dotco®
Single Stage Gearing Assembly

"F"

Models
14CSL98-XX



Dotco®
Single Stage Gearing Assembly

45-8444
08/14/2014

Illustration "F": Gearing Assembly

Ref	Number	#	X	EN
				Description
1	04-0009	1	2	Output Spindle Kit (includes Ref. 2-6)
2	-----	1		Ball Bearing
3	-----	1		Retaining Ring
4	-----	1		Ball Bearing
5	-----	1		Wave Washer
6	-----	1		Spindle Nut
7	04-0015	1	2	Planetary Gear Kit (includes Ref. 8-11)
8	-----	2		Planetary Gear Pin
9	-----	2		Needle Bearing
10	-----	2		Planetary Gear
11	-----	4		Planetary Gear Washer
12	1110091	1		Planetary Gear Cage
13	1110094	1		Planetary Gear Cage Washer
14	1110042	1		Gear Housing
15	1110050	1		Thread Cover

(#) Quantity

(X) Recommended Spare Parts (quantity shown based on 1-5 tools in operation)

Tool Termination Numbers (-XX)

The 14CS series tool model numbers are not complete without selecting a drill chuck (or no chuck). This is the termination number built into the model number which must be selected before a tool can be ordered.

Termination Number	Chuck Part Number	Chuck Capacity	Thread Mount	Chuck Type	Chuck Key Number *	External Sleeve
-38	1005078	0 - 1/4"	3/8"-24	1 BA	1005079	Smooth
-40	No Chuck	-----	3/8"-24	-----	-----	-----
-51	1001252	0 - 3/8"	3/8"-24	31 BA	1006375	Smooth

* Note: The Chuck Key is included with the Chuck

Sales & Service Centers

Note: All locations may not service all products. Please contact the nearest Sales & Service Center for the appropriate facility to handle your service requirements.

Detroit, Michigan

**Apex Tool Group
Sales & Service Center**
2630 Superior Court
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Fax: (248) 391-6295

Houston, Texas

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Lexington, South Carolina

Apex Tool Group
670 Industrial Drive
Lexington, SC 29072
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Los Angeles, California

**Apex Tool Group
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Buena Park, CA 90621
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