

Parts Manual
823144EN
01/21/2014

OMEGA TECHNOLOGIES

Cleco®

15D Series
Pistol Grip and Inline Drills



For additional product information visit our website at:
<https://dotcotool.com/product-category/cleco-tools/cleco-pneumatic-drills/cleco-15dp-series-pneumatic-drills/>

The original language of this manual is English.

Product Safety Information:

Intended Use:

This drill shall be used only for removing material by using appropriate drill bits as the cutting tool. The drill provides rotational speed and torque, and a clamping device to secure the drill bit. Material is removed by using the proper ergonomic grip on the drill and pushing the drill bit through the workpiece material.

For additional product safety information refer to Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG document CE-2006, General Safety Portable Drills.



The drill must not be modified unless approved in writing by Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG. All safety devices must be properly installed and maintained in good working order.

EC Declaration of Conformity:

We affirm that this machine is in accordance with the following EC regulations (2006/42/EC). Applied harmonized standards are ISO 12100:2010.

The name, job function and address of the person authorized to compile the technical file.

Mr. Vishnu Irigireddy
Director of Global R&D- Mechanical Engineering
Apex Tool Group
670 Industrial Drive

I. V. Vishnu Varadhan

Signature: Vishnu Irigireddy
Date: January 21, 2014

Noise and Vibration:

Model Series	Sound Level dB(A) (ISO15744)	Vibration m/s ² (ISO28927)
15DL-14B	≤ 84	< 2.5
15DL-4B	≤ 84	< 2.5
15DL-8B	≤ 84	< 2.5
15DP-.55B	≤ 84	< 2.5
15DP-1.6B	≤ 84	< 2.5
15DP-14B	≤ 84	< 2.5
15DP-20B	≤ 84	< 2.5
15DP-30B	≤ 84	< 2.5
15DP-4B	≤ 84	< 2.5
15DP-8B	≤ 84	< 2.5

Air Line Lubrication:

Use Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG's lightweight air tool oil 500021 (available in quantities shown in the following chart) or an SAE-5 lightweight spindle oil.

Part No.	Packaged	Designation
540397	1 Quart (0.94 liter)	Airlube 10W/NR-420LB DR
533485	1 US Gallon (3.78 liter)	Airlube 10W/NR-420LB DR

Air Supply Line:

Parameter	Description
Air Hose	Minimum inside diameter: 3/4" (19mm) Maximum length: 8.0' (2.4 m)
Working pressure range	Performance rated at: 90 psi (620 kPa)
Compressed air	Air quality according to ISO 8573-1, quality class 2.4.3 The compressed air must be clean and dry.

Service and Repair:

Tool service and repair should be performed by an authorized Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG Center. Refer to the last page of this manual for locations.

Disposal:



Observe local disposal guidelines for all components of this tool and its packaging.

Copyright Protection:

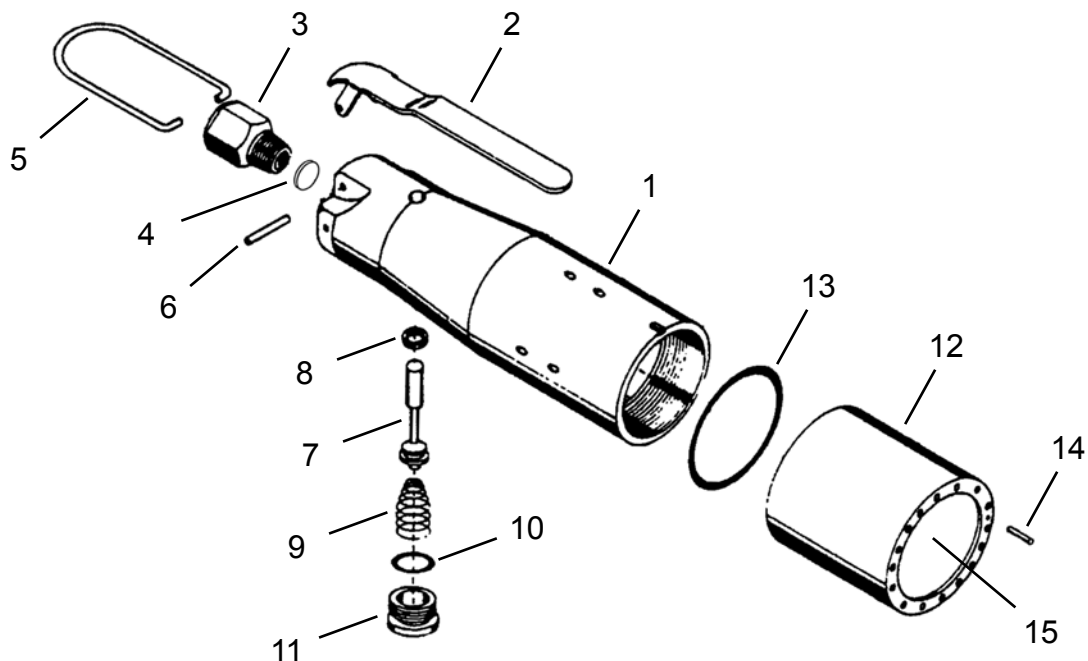
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Cleco®
Model Nomenclature

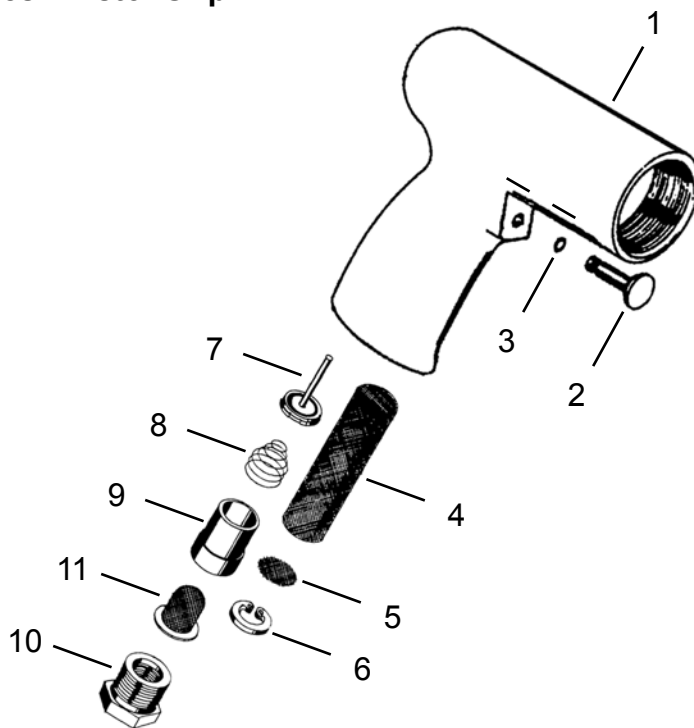
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	15	D	X	-	XX	B	-	XX
Tool Series	15	D = Drill	X	-	XX	B	-	XX
Tool Type								
Handle Style								
Gearing Designation								
Generation	.55 = Triple Geared 1.6 = Triple Geared 4 = Double Geared 8 = Double Geared 14 = Double Geared 20 = Single Geared 30 = Single Geared							
Termination	49 = 3/8" Capacity Drill Chuck (1/2-20B) 53 = 1/2" Capacity Drill Chuck (1/2-20B) 60 = No Chuck (1/2-20B)							

“A” 15DL Series - Inline



“B” 15DP Series - Pistol Grip



Cleco®
Handle Assemblies

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Illustration "A"

Ref	Number	#	X	EN
				Description
1	869778	1		Inline Handle
2	847505	1	1	Throttle Lever
3	881276	1	1	Inlet Bushing (includes Ref. 4)
4	833302	1	3	Air Inlet Screen
5	847087	1	1	Suspension Bail
6	847808	1	2	Throttle Lever Pin
7	881016	1	1	Throttle Valve (includes Ref. 8)
8	847366	1	3	Throttle Valve Seal
9	863623	1	3	Throttle Valve Spring
10	847710	1	3	O-Ring
11	864531	1		Throttle Valve Cap
12	881710	1		Exhaust Deflector (includes Ref. 13-15)
13	864737	1	3	O-Ring
14	812164PT	1	2	Cylinder Pin
15	864738	1	2	Muffler

(#) Quantity

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

Illustration "B"

Ref	Number	#	X	EN
				Description
1	869775	1		Pistol Grip Handle
2	869763	1	1	Trigger (includes Ref. 3)
3	869712	1	3	O-Ring
4	869764	2	4	Muffler
5	412775	1	3	Exhaust Screen
6	619016	1	3	Retaining Ring
7	869350	1	1	Throttle Valve
8	863072	1	3	Throttle Valve Spring
9	869349	1		Sleeve
10	833471	1	1	Inlet Bushing
11	869548	1	3	Air Inlet Strainer

(#) Quantity

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

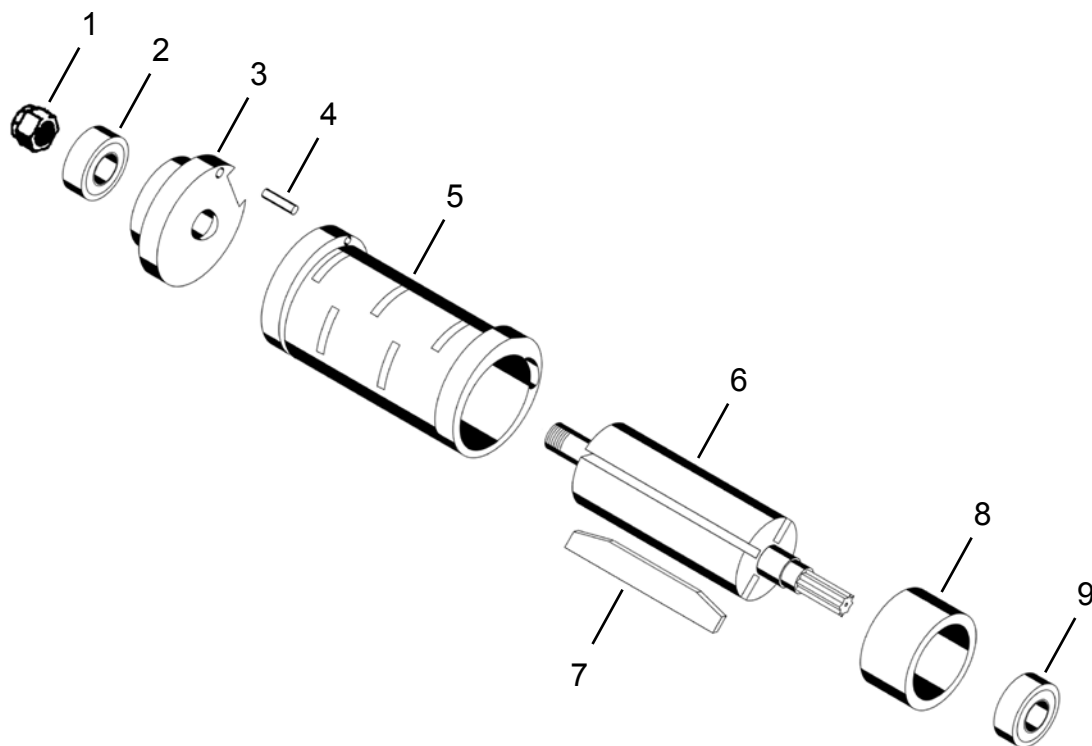
“C”

Illustration "C"

Ref	Number	#	X	EN
				Description
1	865352	1	1	Rotor Lock Nut
2	843444	1	2	Ball Bearing
3	869055	1		Rear Bearing Plate
4	812164PT	1	2	Cylinder Pin
5	864236	1		Cylinder
6	Table "C"	1		Rotor
7	864234	4	8	Rotor Blade
8	864235	1		Front Bearing Plate
9	844772	1	2	Ball Bearing

(#) Quantity

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

Table "C"

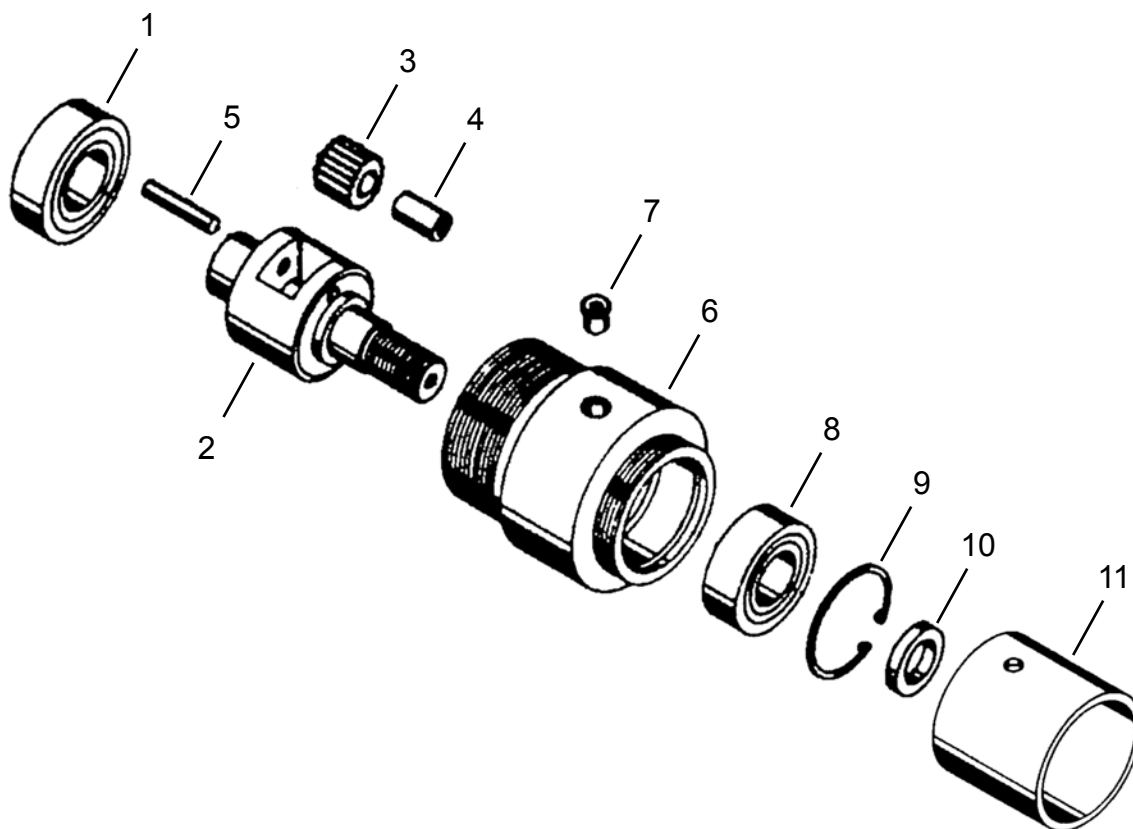
Ref.	Description	Model Gearing Designation			
		#	-4, -20	#	-5.5, -1.6, -8, -14, -30
6	Rotor	1	869776 (6T)	1	869777 (10T)

(T) Teeth

Cleco®
Single Stage Gearing

"D"

Models
15DP-20B
15DP-30B



Cleco®
Single Stage Gearing

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Illustration "D"

Ref	Number	#	X	EN
				Description
1	847147	1	2	Ball Bearing
2	Table "D"	1		Output Spider
3	Table "D"	2	4	Idler Gear (includes Ref. 4)
4	844774	2	4	Idler Gear Bearing
5	844799	2	4	Idler Gear Pin
6	881678	1		Gear Case (includes Ref. 7)
7	843589	1	1	Grease Fitting
8	207543PT	1	2	Ball Bearing
9	844364	1	1	Retaining Ring
10	864654	1		Chuck Spacer
11	864648	1		Chuck Guard

(#) Quantity

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

Table "D"

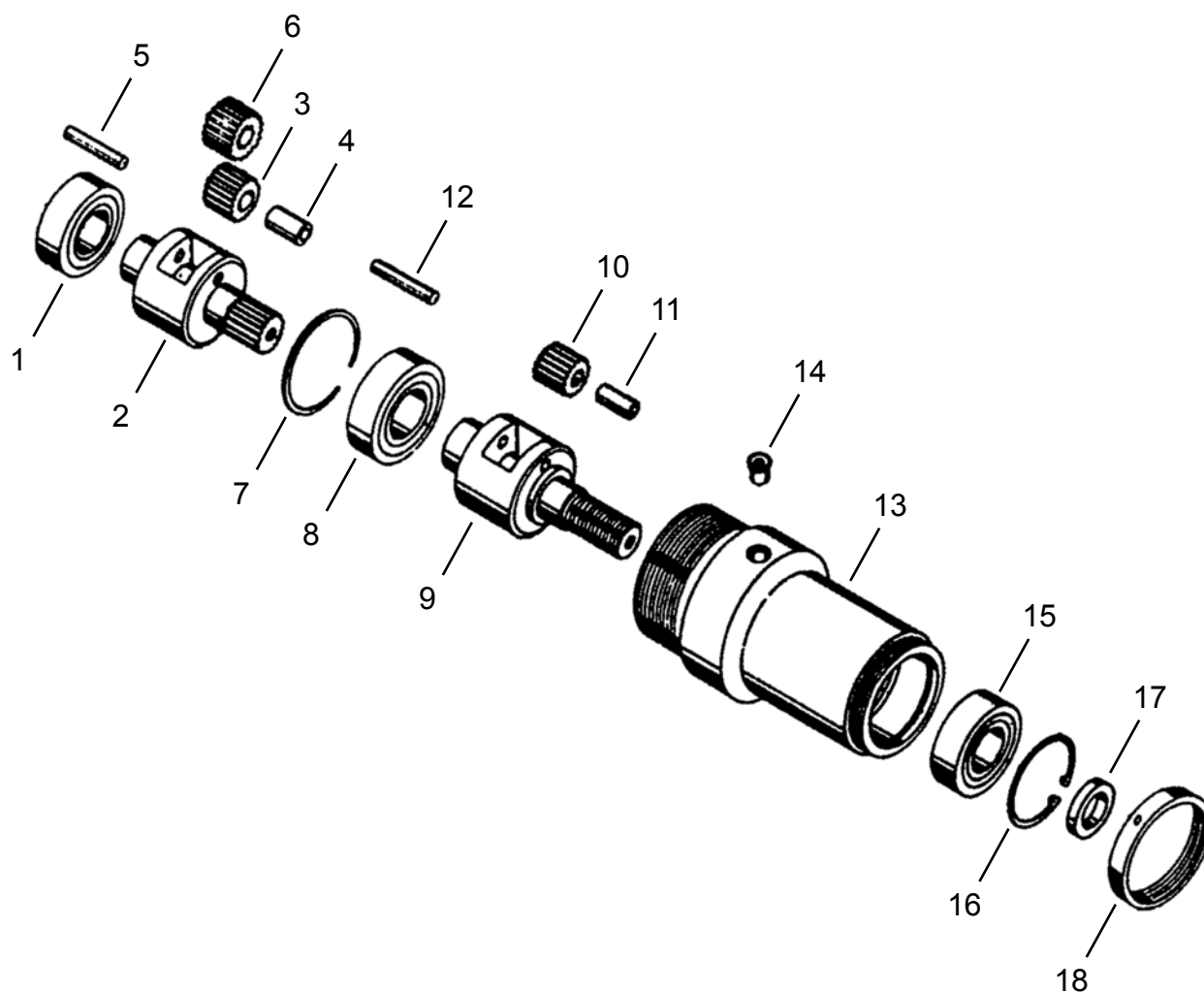
Ref.	Description	Model Gearing Designation			
		#	-20	#	-30
2	Output Spider	1	865558	1	864706
3	Idler Gear	2	864376 (19T)	2	864340 (18T)

(T) Teeth

Cleco®
Double Stage Gearing

"E"**Models**

15DL-4B
15DL-8B
15DL-14B
15DP-4B
15DP-8B
15DP-14B



CAUTION: Always use a Dead Handle
with -4 and -8 gearing configurations.

Cleco®
Double Stage Gearing

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Illustration "E"

Ref	Number	#	X	EN
				Description
1	847147	1	2	Ball Bearing
2	Table "E"	1		1st Reduction Spider
3	Table "E"	2	4	Idler Gear (includes Ref. 4)
4	Table "E"	2	4	Idler Gear Bushing or Bearing
5	Table "E"	2	4	Idler Gear Pin
6	Table "E"	1	2	Pinion Gear
7	864240	1	1	Retaining Ring
8	844773	1	2	Ball Bearing
9	Table "E"	1		Output Spider
10	Table "E"	2	4	Idler Gear (includes Ref. 11)
11	847146	2	4	Idler Gear Bushing
12	844799	2	4	Idler Gear Pin
13	881651	1		Gear Case (includes Ref. 14)
14	843589	1	1	Grease Fitting
15	207543PT	1	2	Ball Bearing
16	844364	1	1	Retaining Ring
17	864654	1		Chuck Spacer
18	864646	1		Thread Cover

(#) Quantity

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

Table "E"

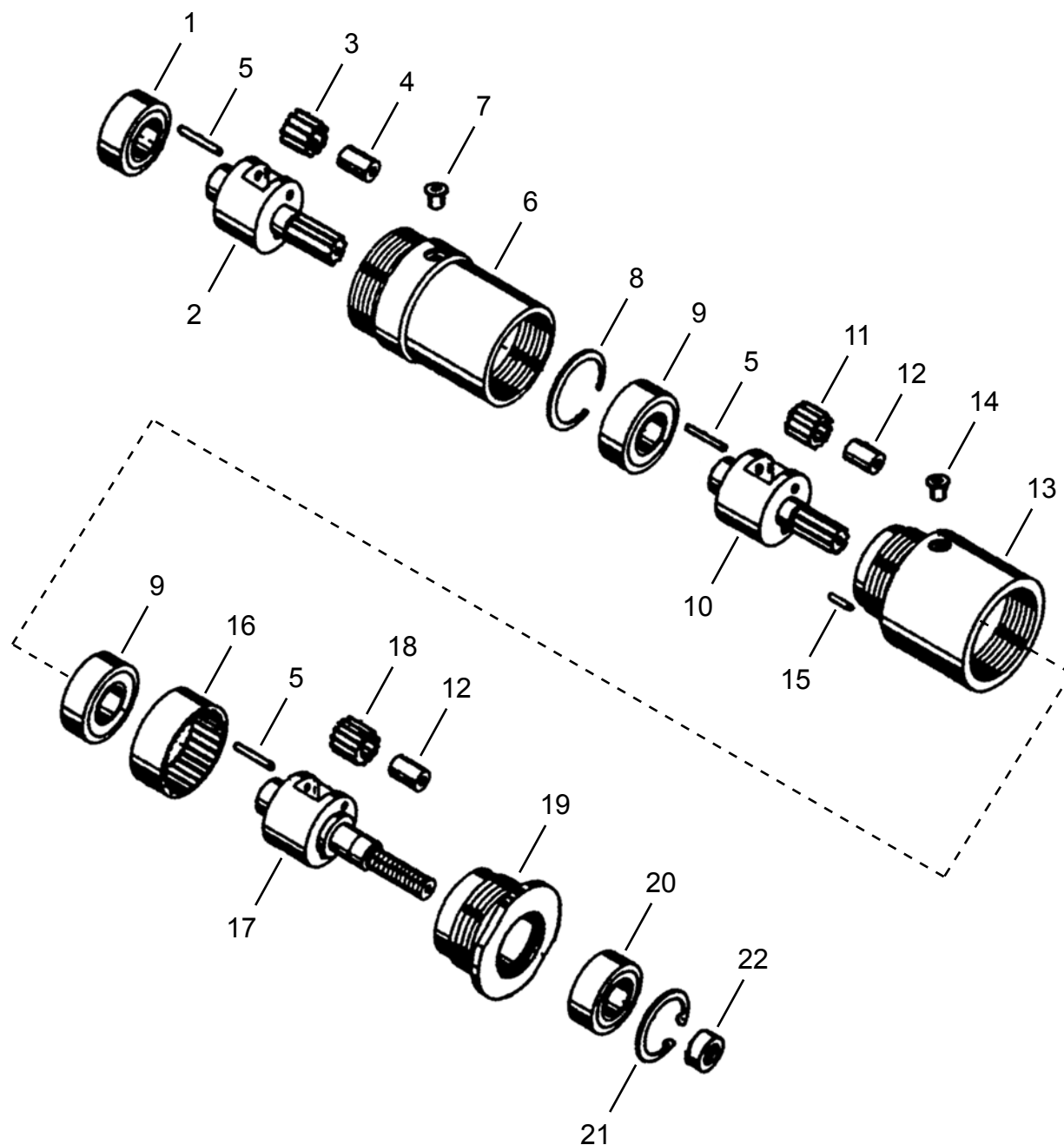
Ref.	Description	Model Gearing Designation					
		#	-4	#	-8	#	-14
2	1st Reduction Spider	1	864659	1	864341	1	864238
3	Idler Gear	2	864376 (19T)	2	864340 (18T)	2	864237 (13T)
4	Idler Gear Bearing	2	844774	2	844774		---
	Idler Gear Bushing		---		---	2	846520
5	Idler Gear Pin	2	844799	2	844799	2	H844081
6	Pinion Gear		---		---	1	864239
9	Output Spider	1	864658	1	864655	1	864655
10	Idler Gear	2	881658 (17T)	2	864241 (15T)	2	864241 (15T)

(T) Teeth

Cleco®
Triple Stage Gearing

"F"

Models
15DP-.55B
15DP-1.6B



**CAUTION: Always use a Dead Handle
with -.55 and -1.6 gearing configurations.**

Cleco®
Triple Stage Gearing

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Illustration "F"

Ref	Number	#	X	EN
				Description
1	847147	1	2	Ball Bearing
2	864341	1		1st Reduction Spider
3	864340	2	4	Idler Gear (18T) (includes Ref. 4)
4	844774	2	4	Idler Gear Bearing
5	844799	6	12	Idler Gear Pin
6	203691PT	1		Gear Case (includes Ref. 7)
7	843589	1	1	Grease Fitting
8	864240	1	1	Retaining Ring
9	844773	2	4	Ball Bearing
10	613587	1		2nd Reduction Spider
11	864241	2	4	Idler Gear (15T) (includes Ref. 12)
12	847146	4	8	Idler Gear Bushing
13	613361	1		Gear Case (includes Ref. 14-15)
14	864964	1	1	Grease Fitting
15	613363	1	2	Ring Gear Pin
16	864329	1		Ring Gear
17	864658	1		Output Spider
18	881658	2	4	Idler Gear (17T) (includes Ref. 12)
19	867048	1		Bearing Retainer
20	207543PT	1	2	Ball Bearing
21	844364	1	1	Retaining Ring
22	864654	1		Chuck Spacer

(#) Quantity

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

(T) Teeth

Cleco®
Optional Equipment

Chuck Guard**Drill Chuck & Key****Dead Handle Assembly****15D(-)(-)B Series Drill: Optional Equipment**

Model	Standard Equipment	Optional Equipment
15DP-.55B 15DP-1.6B 15DP-4B 15DP-8B	849415PT 1/2" Chuck (code 53) 849121 Chuck Key 881580 Dead Handle	849122 3/8" Chuck (code 49) 864648 Chuck Guard (-4B, -8B)
15DP-14B 15DP-20B 15DP-30B	849122 3/8" Chuck (code 49) 849121 Chuck Key	849415* 1/2" Chuck (code 49) (-14B) <i>* Must be used with Dead Handle</i> 881580 Dead Handle <i>Dead Handle will not fit -20B & -30B models</i>
15DL-4B 15DL-8B 15DL-14B	849122* 3/8" Chuck (code 49) * CAUTION: <i>Do not equip DL series tools with 1/2" chuck</i> 849121 Chuck Key 881580 Dead Handle	864648 Chuck Guard

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
Auburn Hills, MI 48326
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Fax: (248) 391-6295

Houston, Texas

**Apex Tool Group
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Lexington, South Carolina

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670 Industrial Drive
Lexington, SC 29072
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Fax: (803) 358-7681

Los Angeles, California

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Fax: (714) 994-9576

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Fax: (425) 497-0496

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