

Parts Manual
PL30-2017EN
12/05/2014

OMEGA TECHNOLOGIES

DOTCO®

12-10 Series
Inline Router



For additional product information visit our website at:

<https://dotcotool.com/product-category/dotco-air-tools/dotco-specialty-tools/dotco-routers/dotco-12-10-series-routers/>

Nomenclature and Specifications

	12	X	1	0	XX	-	36	RT
Product Type								
12 = Ergo Handle Grinder								
Throttle Type								
L = Locking Lever								
S = Locking Lever								
Motor Size								
1 = 0.3 hp								
Handle Style								
0 = Straight								
Speed Options (RPM)								
00 = 30,000								
01 = 34,000								
Collet Type								
36 = 300 Series, 1/4" capacity 3-piece collet								
Termination								
RT = Router								

Model *	Exhaust	Termination	Free Speed (rpm)	Shank Diameter Capacity	Weight		Length		Air Inlet
					lbs.	kg	in.	mm	
12L1000-36RT	Front	1/4" Collet	30,000	1/4"	1.4	0.64	6.7	170	1/4"
12L1001-36RT	Front	1/4" Collet	34,000	1/4"	1.4	0.64	6.7	170	1/4"

* Note: 12L10 and 12S10 have the same throttle configuration

Dotco®
Description and Instructions

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The original language of this manual is English.

Product Safety Information:

Intended Use:

This pneumatic grinder is to be used only for removing material by utilizing appropriate abrasive wheels, rotary files or other material removal cutting devices.

For additional product safety information refer to Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG document GS-2013, General Safety Pneumatic Material Removal.



The grinder must not be modified in any manner 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
Lexington, SC 29072

Signature: Vishnu Irigireddy
Date: 12/03/2014

Noise and Vibration:

Sound Level: ≤ 81 dB(A)

Vibration: < 2.5 m/s²

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: 1/4" (6.4mm) 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:



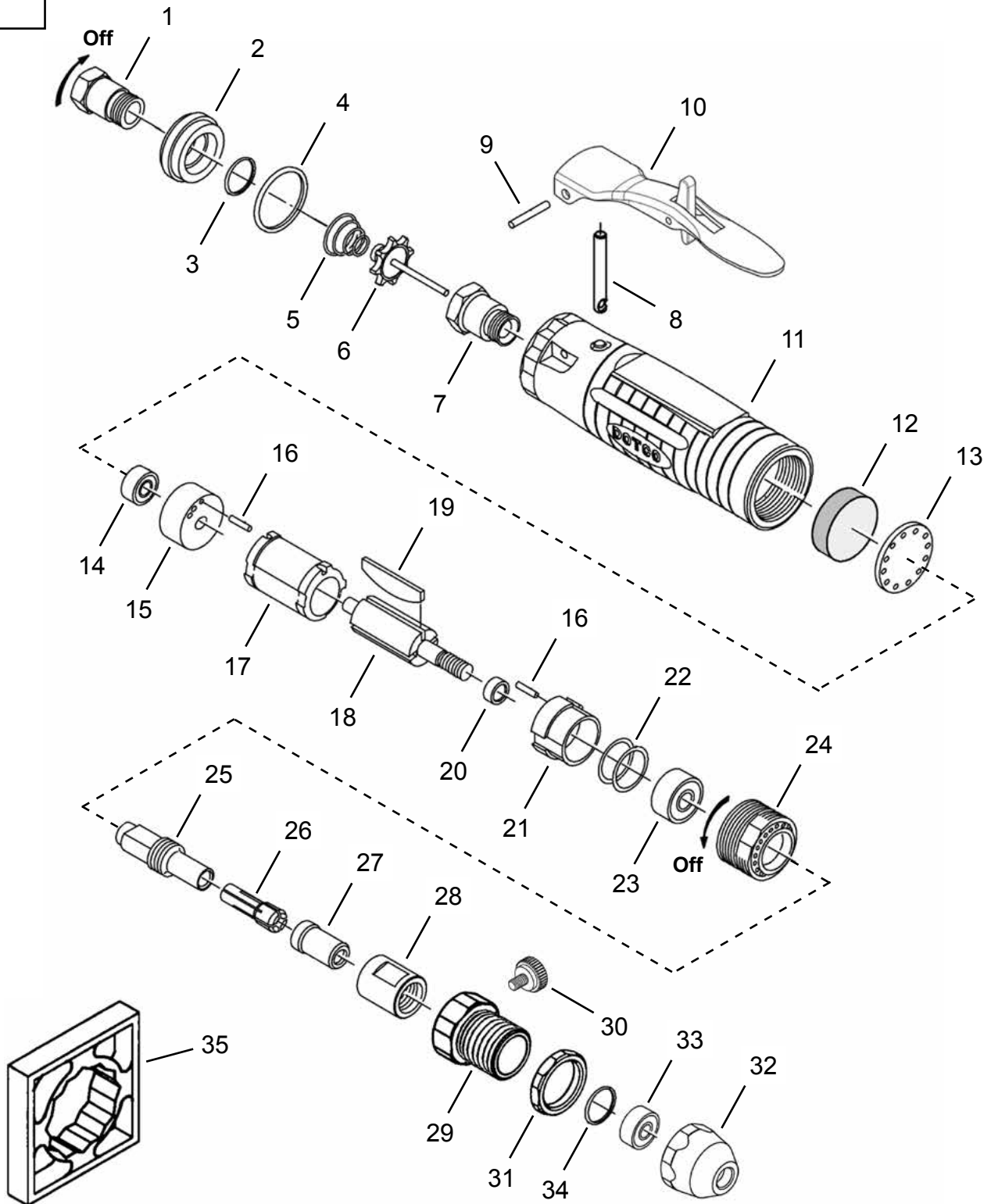
Observe local disposal guidelines for all components of this tool and its packaging.

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Dotco®
Front Exhaust Router

“A”



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Front Exhaust Router

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Illustration "A"

Ref	Number	#	X	EN
				Description
1	01-2505	1	1	Air Inlet Adapter
2	01-2506	1	1	Exhaust Plug
3	2965	1	3	O-Ring
4	3036PT	1	3	O-Ring
5	01-2519	1	3	Valve Spring
6	01-2518	1		Valve
7	01-2504	1		Valve Seat
8	01-1017	1		Push Rod
9	1042	1	1	Throttle Lever Pin
10	01-1267	1	1	Throttle Lever
11	01-1001	1		Motor Housing
12	01-1046	1	3	Filter Disc
13	01-1016	1	1	Filter Retainer
14	504PT	1	2	Ball Bearing
15	1003PT	1		Rear Plate (includes 1 Ref. 16)
16	1041	2		Locating Pin
17	1002PT	1		Cylinder
18	1005S	1		Rotor (12L1000-36RT)
	02-1214S	1		Rotor (12L1001-36RT)
19	1006PT	4	12	Rotor Blade (12L1000-36RT)
	1006PT	3	9	Rotor Blade (12L1001-36RT)
20	1017PT	1		Rotor Spacer
21	1004PT	1		Front Plate (includes 1 Ref. 16) (12L1000-36RT)
	1323	1		Front Plate (includes 1 Ref. 16) (12L1001-36RT)
22	1355	1		Shim Packet
23	538PT	1	2	Ball Bearing
24	1014PT	1		Lock Ring
25	1054PT	1	1	Chuck Body
26	308PT	1	1	Collet (1/4")
27	1053PT	1	1	Nosepiece
28	1058PT	1	1	Cap
--	14-2187	1		Router Attachment (includes Ref. 29-34)
29	14-1180S	1		Router Housing
30	14-2171	1		Thumb Screw
31	14-2082	1		Lock Ring
32	14-2177	1		Router Housing (includes Ref. 33-34)
33	14-0508	1	2	Ball Bearing
34	1098	1	2	Retaining Ring
35	14-0851	1		Housing Wrench (not included with tool)

(#) Quantity

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

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.

Brazil

**Apex Tool Group
Ind. Com. Ferram. Ltda**
Av. Liberdade, 4055
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Canada

**Apex Tool Group
Sales & Service Center**
7631 Bath Road
Mississauga, Ont. L4T 3T1
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Tel: (905) 673-4400

China

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USA - York, Pennsylvania

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