

Parts Manual

45-8201

PL30-1242-2

04/21/2011

OMEGA TECHNOLOGIES

DOTCO®

12-42 Series Saw



	12	S	4	2	XX	-	XX				
Product Classification											
12 = Ergo Handle											
Trottle Type											
S = Locking Lever											
Motor Size											
4 = 1.7 hp											
Handle Style											
2 = Straight											
Speed Options (RPM)											
23 = 5,600											
24 = 7,000											
25 = 8,000											
Termination Code											
01 = Porta-Bag (Vacuum bag on tool), 3/4" Arbor											
02 = Saw with Floor Bag											
03 = Saw (only), Vacuum type with Adapter											

For additional product information visit our website at:

<https://dotcotool.com/product-category/dotco-air-tools/dotco-specialty-tools/dotco-saws/dotco-12-42-series-saws/>

SAFETY FIRST!

ALWAYS COMPLY WITH:

1. General Industry Safety & Health Regulations, Part 1910, OSHA 2206, available from: Sup't of Documents; Government Printing Office; Washington DC 20402
2. Safety Code for Portable Air Tools, ANSI B186.1 available from: American National Standards Institute, Inc.; 1430 Broadway; New York, NY 10018
3. State and Local regulations.

Portions of the above codes and regulations are listed below for quick reference.

THESE EXCERPTS ARE NOT INTENDED TO BE ALL INCLUSIVE - STUDY AND COMPLY WITH ALL REGULATIONS!



WARNING

FAILURE TO COMPLY WITH ALL SAFETY REGULATIONS MAY RESULT IN SERIOUS INJURY.

1. **TOOL INTENT** — Tools shall be used only for purposes intended in their design (refer to product catalog).
2. **AIR SUPPLY** — Test and operate tools at 90 PSIG maximum unless tool is marked otherwise. Use recommended airline filters—regulators—lubricators.
3. **UNUSUAL SOUND or VIBRATION** — If tool vibrates or produces an unusual sound, repair immediately for correction.
4. **OPERATOR PROTECTIVE EQUIPMENT** — Wear goggles or face shield at all times tool is in operation. Other protective clothing shall be worn, if necessary. SEE REGULATIONS.
5. **SAFETY MAINTENANCE PROGRAM** — Employ a safety program to provide inspection and maintenance of all phases of tool operation and air supply equipment in accordance with "Safety Code for Portable Air Tools."

Safe Work Practices Symbol



WARNING

The signal word "Warning" identifies all notes on safe work practices in this operating instruction, alerting to hazards for life and health of people. Observe these notes and proceed with special care in the cases described. Pass all safety instructions on to other operators. In addition to the safety instructions in this operating instruction, the general local safety and accident prevention rules must be observed.

Important Notes



CAUTION

The signal word "caution!" identifies all portions of this operating instruction meriting special attention to ensure that guidelines, rules, hints and the correct work procedures are observed; and, to prevent damage to and destruction of the machine and/or parts.

(*) Indicates recommended spare part (or set) for every five (5) tools. Small, low cost or easily lost parts should be stocked as 3-4 per 10 tools.



WARNING

Disconnect the air supply hose before servicing the tool.

OPERATION

All 12S42 models covered by this parts list...

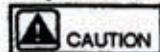
These models are lever operated (with latch off) horizontal type motors with angle head. The operator actuates and releases the lever, which starts and stops the air motor. When the motor starts, the saw blade is turning at the rated speed (5600, 7000 or 8000 RPM).



WARNING

A blade guard covers the blade. Be sure the guard is functioning properly and that the guard's spring keeps the blade covered except when actually cutting.

Replacement blades ...



CAUTION

Be sure to install blades with teeth turned for correct rotation; refer to the direction arrow on the saw guard.

LUBRICATION

Lubricate the motor with an air line lubricator, using a light air tool oil. Adjust the lubricator to dispense one drop per cycle or three drops per minute. This oil is available in one (1) quart (540397) or one (1) gallon (533485) quantities. A high film strength oil (536333) is also available; this oil cannot be used in Atomist type lubricators, use only with Economist or serv-oil type lubricators.

Thoroughly grease bevel pinion and bevel gear (angle head) with Cooper Power Tools grease every 100,000 cycles. Whenever the tool is disassembled, pack the

gearing with approximately 1/4 ounce of grease.

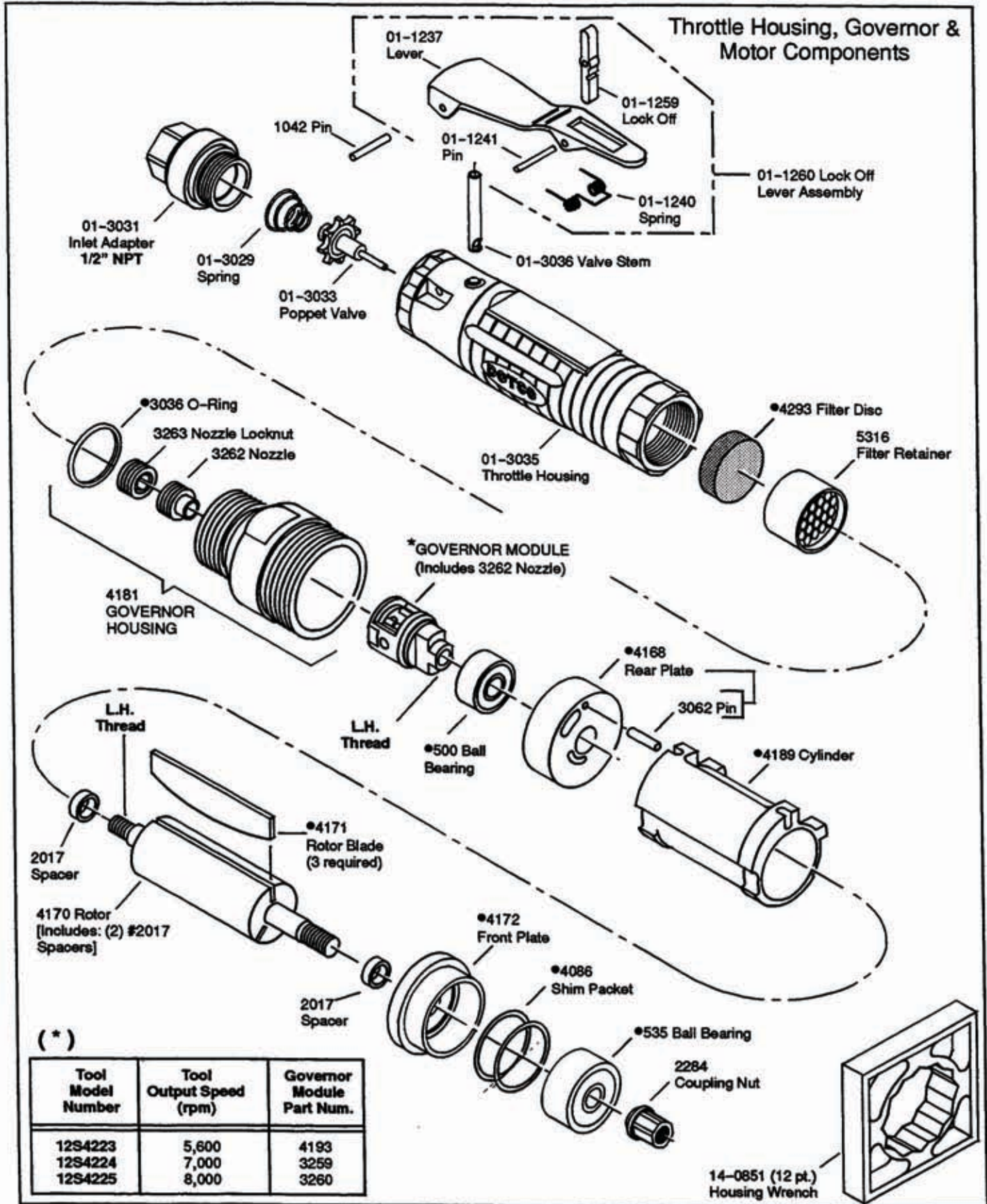


CAUTION

Do not use substitutes for oil and grease. This could result in damage to the tool.

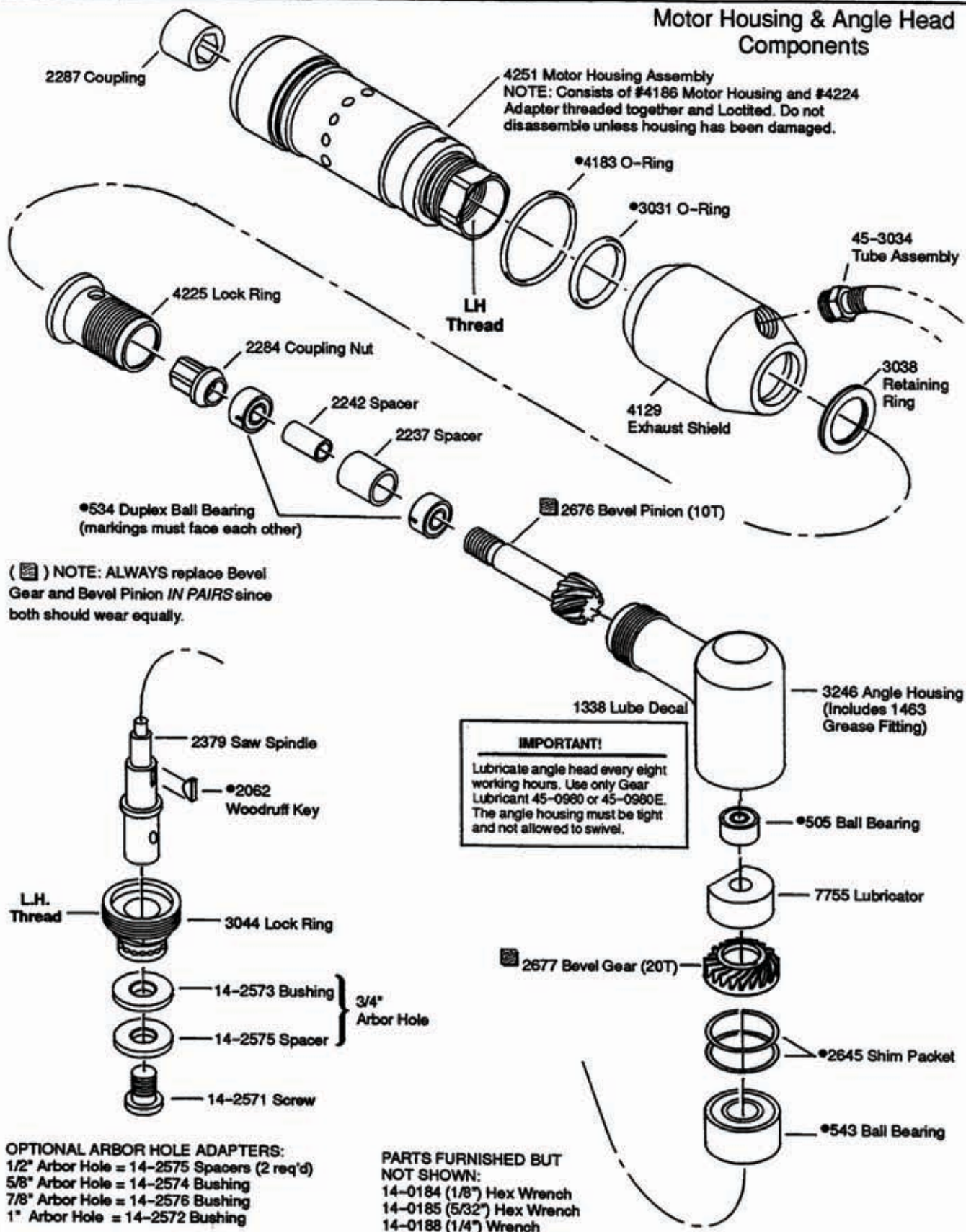


DOTCO®
Models 12-42 Series Vacuum Saws

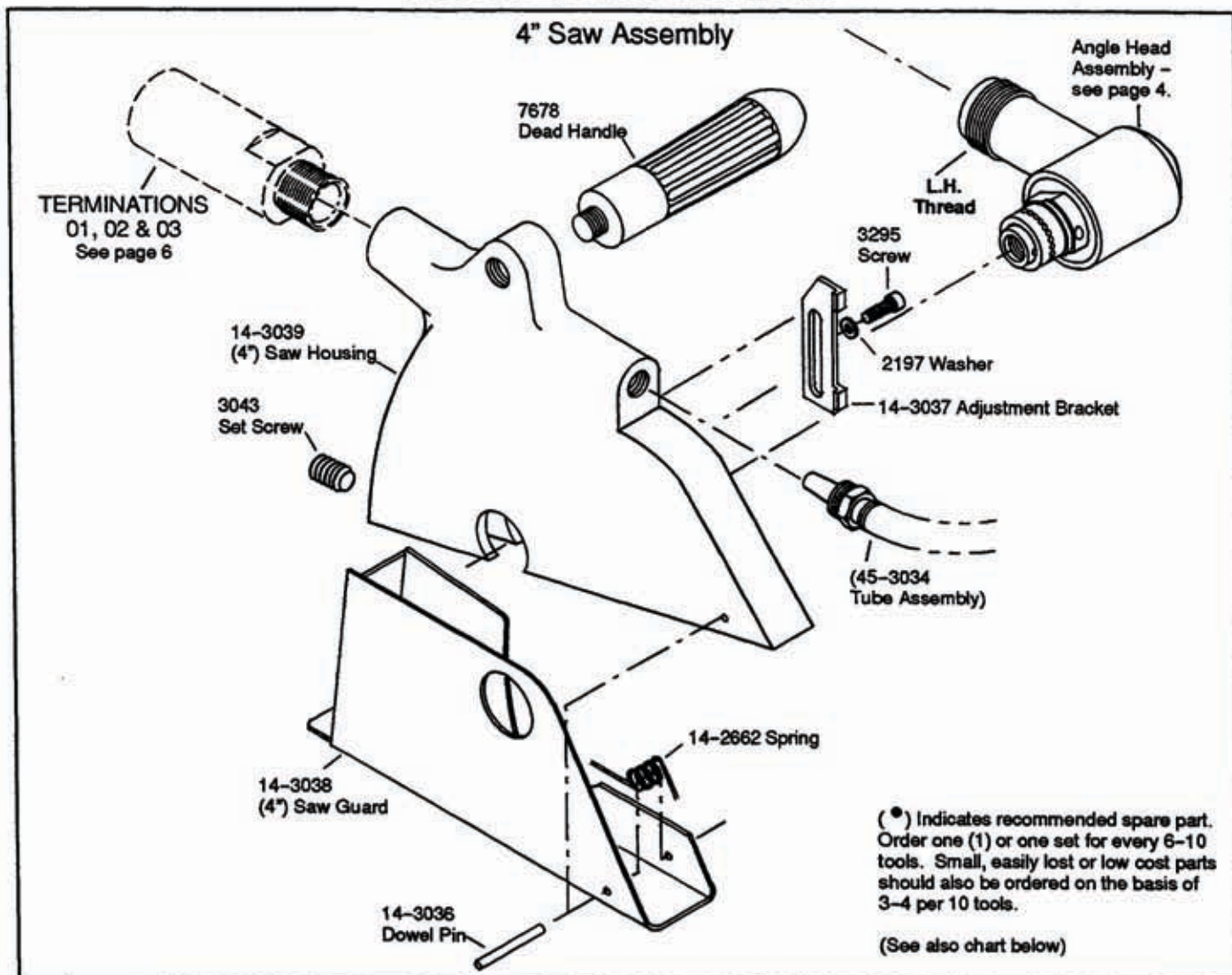


DOTCO®
Models 12-42 Series Vacuum Saws

Motor Housing & Angle Head Components



DOTCO®
Models 12-42 Series Vacuum Saws



RECOMMENDED SPARE PARTS LIST

These parts are suggested as a recommended inventory of spare parts. Where parts are small, low cost, or easily lost, then we recommend stocking 3 to 4 for every 10 tools. Other larger, lower wear or more expensive parts should be maintained as one (or one set) for every six to ten tools.

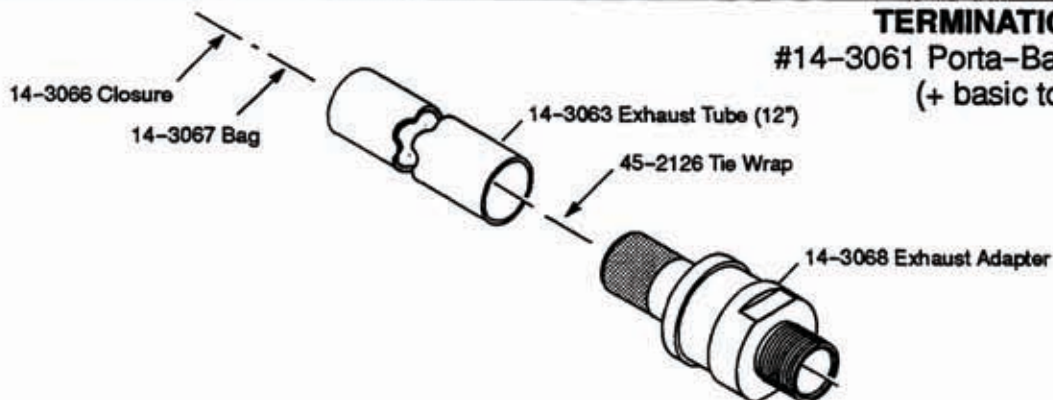
Part Number	Description	Qty Per Tool	Recommended Spare Pts	
			Per Tool	Per 10 Tools
500	Ball Bearing	1	1	2
505	Ball Bearing	1	1	2
534	Duplex Ball Bearing	1	1	2
535	Ball Bearing	1	1	2
543	Ball Bearing	1	1	2
2062	Woodruff Key	1	2-3	3-4
2645	Shim Packet	1	1	2
4086	Shim Packet	1	1	2
3031	O-Ring	1	2-3	3-4

Part Number	Description	Qty Per Tool	Recommended Spare Pts	
			Per Tool	Per 10 Tools
3036	O-Ring	1	2-3	3-4
4168	Rear Plate	1	0	2
4171	Rotor Blade	3	3	15
4172	Front Plate	1	0	2
4183	O-Ring	1	2-3	3-4
4189	Cylinder	1	0	2
4293	Filter Disc	1	1	2

DOTCO®
Models 12-42 Series ERGO Vacuum Saws
TERMINATIONS

TERMINATION 01

#14-3061 Porta-Bag (complete)
 (+ basic tool)

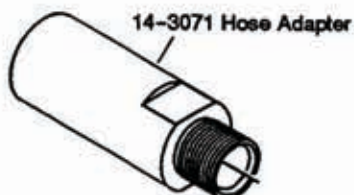


TERMINATION 02

Floor Bag
 (+ basic tool)



TERMINATION 03
 (basic tool & no bag)



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.

Dallas, TX
**Apex Tool Group
Sales & Service Center**
1470 Post & Paddock
Grand Prairie, TX 75050
Tel: 972-641-9563
Fax: 972-641-9674

Detroit, MI
**Apex Tool Group
Sales & Service Center**
2630 Superior Court
Auburn Hills, MI 48326
Tel: 248-391-3700
Fax: 248-391-7824

Houston, TX
**Apex Tool Group
Sales & Service Center**
6550 West Sam Houston
Parkway North, Suite 200
Houston, TX 77041
Tel: 713-849-2364
Fax: 713-849-2047

Lexington, SC
Apex Tool Group
670 Industrial Drive
Lexington, SC 29072
Tel: 800-845-5629
Tel: 803-951-7544
Fax: 803-358-7681

Los Angeles, CA
**Apex Tool Group
Sales & Service Center**
15503 Blackburn Avenue
Norwalk, CA 90650
Tel: 562-623-4457
Fax: 562-802-1718

Seattle, WA
**Apex Tool Group
Sales & Service Center**
2865 152nd Avenue N.E.
Redmond, WA 98052
Tel: 425-497-0476
Fax: 425-497-0496

York, PA
**Apex Tool Group
Sales & Service Center**
3990 East Market Street
York, PA 17402
Tel: 717-755-2933
Fax: 717-757-5063

Canada
**Apex Tool Group
Sales & Service Center**
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Mississauga, Ont. L5R 1B8
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