Parts Manual
45-8172
12/18/2008



12	X	2	7	XX	-	XX	XX	OH

Product Classification
12 = Ergo Grinder/Sander

Throttle Type
L = Locking Lever
S = Locking Lever

Motor Size
2 = 0.9 Horsepower

Handle Style
7 = Right Angle

Speed Options (RPM)
Rear Exhaust
84 = 850
85 = 1,250
86 = 1,500
87 = 1,800
88 = 2,200

Overhose Option (extra cost)
OH = Overhose (Rear Exhaust only)

Optional Collet (no extra cost)
08 = 1/8"
10 = 5/32"
12 = 3/16"
14 = 7/32"
18 = 9/32"
20 = 5/16"
22 = 11/32"
24 = 3/8"
M6 = 6mm
M8 = 8mm

Termination Code
01 = 200 series Collet
80 = 5/8"-11 External Thread Spindle

DOTCO®

12-27 Series Angle Sander

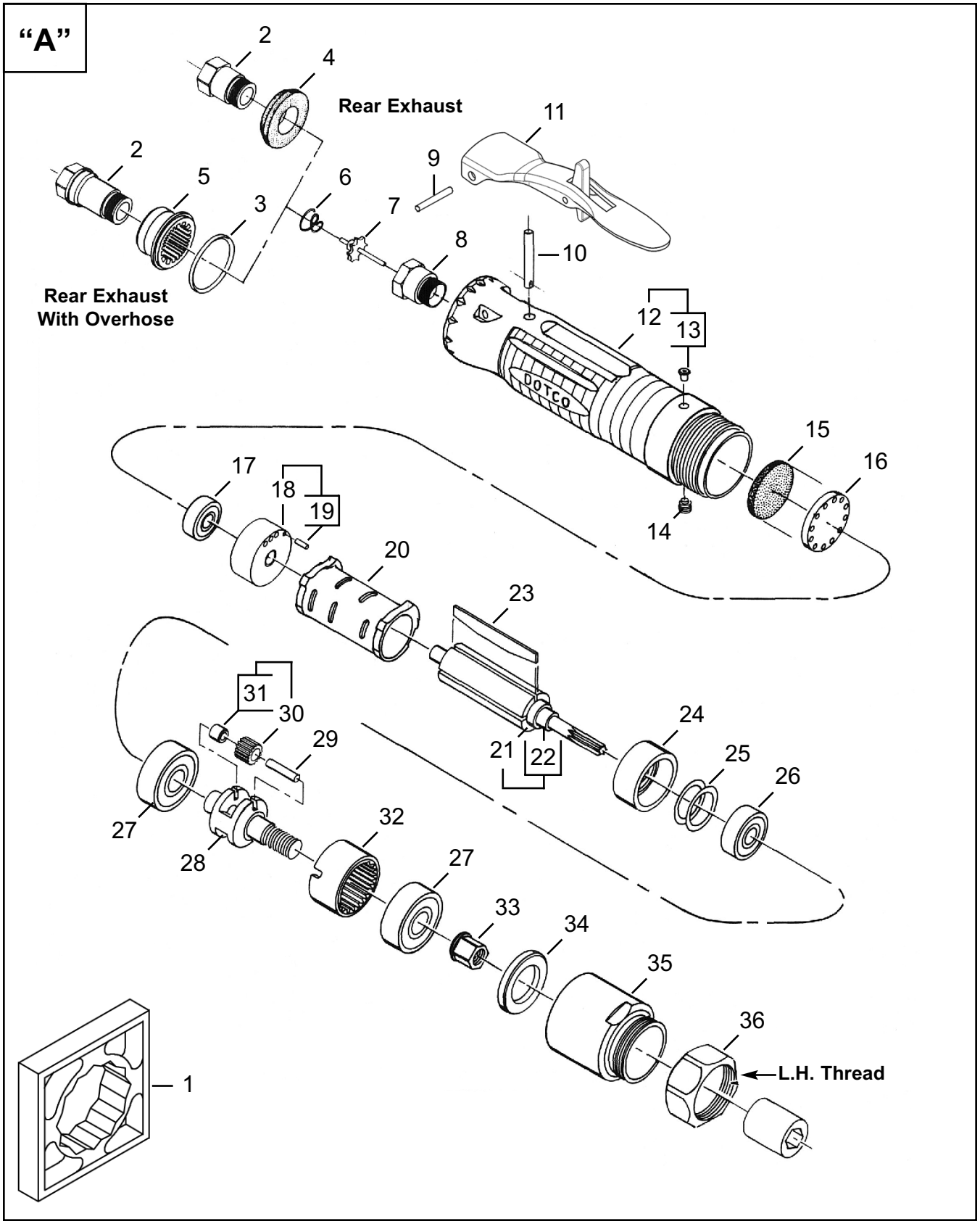
0.9 hp, geared, rear exhaust

COOPER Tools

For additional product information visit our website at http://www.cooperpowertools.com

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Handle and Motor Assembly



Handle and Motor Assembly

Illustration, Abbildung, Illustration, Ilustración, Illustrazione "A"

Ref	Number	#	X	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	14-0851	1		Housing Wrench	Schraubenschlüssel	Clé plate	La llave	La chiave
2	Table "A"	1	1	Inlet Adapter	Zwischenstück	Adaptateur	Adaptador	Adattatore
3	3036	1	3	O-Ring	O-Ring	Joint torique	Anillo “O”	Anello ad O
4	01-2520	1	1	Diffuser	Diffuser	Diffuseur	Diffuseur	Diffusore
5	01-1032	1	1	Muffler	Schalldämpfer	Silencieux	Silenciador	Silenziatore
6	01-2519	1	3	Valve Spring	Druckfeder	Ressort	Resorte	Molla
7	01-2518	1	1	Valve	Ventil	Soupape	Válvula	Valvola
8	01-2504	1		Valve Seat	Ventilsitz	Siège de soupape	Asiento de la válvula	Sede valvola
9	1042	1	1	Lever Pin	Stift	Goupille cylindrique	Pasador	Spina
10	01-2517	1	1	Push Rod	Stange	Tige	Varilla	Asta
11	01-1267	1	1	Lock-Off Lever Asm	Hebel	Levier	Palanca	Leva
12	01-2587	1		Motor Housing	Gehäuse	Corps	Caja	Corpo
13	1463	1		Grease Fitting	Schmiernippel	Monture de graisse	Accesorio de grasa	Ingrassatore
14	2831	1	2	Set Screw	Stellschraube	Vis de pression	Tornillo fijador	Vite di arresto
15	4293	1	2	Filter Disc	Platte	Plaque	Placa	Piattello
16	01-2016	1		Filter Retainer	Haltevorrichtung	Bague d’arrêt	Retén	Fermo
17	538	1	2	Ball Bearing	Kugellager	Roulement à billes	Cojinete de bolas	Cuscinetto a sfera
18	7003	1		Rear Plate	Hintere Platte	Plaque arrière	Placa posterior	Piattello posteriore
19	1041	2	2	Pin	Stift	Goupille cylindrique	Pasador	Spina
20	2255	1		Cylinder	Zylinder	Cylindre	Cilindro	Cilindro
21	Table "A"	1		Rotor	Rotor	Rotor	El rotor	Il rotore
22	2017	1	1	Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
23	2253	4	8	Rotor Blade	Rotorblatt	Palette	Alabe del rotor	Paletta del rotore
24	2508	1		Front Plate	Vorderplatte	Plaque de devanture	Placa frontal	Piattello anteriore
25	2488	1	1	Shim Packet	Unterlegstück	Cale pelable	Calzo	Spessore
26	500	1	2	Ball Bearing	Kugellager	Roulement à billes	Cojinete de bolas	Cuscinetto a sfera
27	556	2	4	Ball Bearing	Kugellager	Roulement à billes	Cojinete de bolas	Cuscinetto a sfera
28	2503	1		Planet Carrier	Planetentraeger	Porte–planète	Portador planetario	Portasatellite
29	2509	2	4	Gear Shaft	Achse	Axe du vérin	Eje	Albero
30	Table "A"	2	4	Planet Gear	Planetengetriebe	Pignon satellite	Piñon satélite	Ingranaggio satellite
31	1464	4	8	Needle Bearing	Nadellager	Cage à aiguilles	Cojinete de agujas	Cuscinetto a rulli
32	2533	1		Ring Gear	Zahnkreis	Couronne dentée	Engranaje de anillos	Guarnizione ingranaggio
33	2284	1		Coupling Nut	Koppelnd Schraubenmutter	Attelage Écrou	Enganche Tuerca	Agganciamento Nocciola
34	2907	1		Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
35	2989	1		Adapter	Zwischenstück	Adaptateur	Adaptador	Adattatore
36	7547	1		Cap	Kappe	Chapeau	Tapa	Cappello
37	7696	1		Coupling	Kupplung	Couplage	Acoplamiento	Accoppiamento

(#) Quantity / Stückzahl / Quantité / Cantidad / Quantità

(X) Recommended Spare Parts / Kennziechnet empfohlenes / Identifica un particolare di ricambio raccomandato / Designa el repuesto recomendado / Indique la piéce de rechange conseillée.

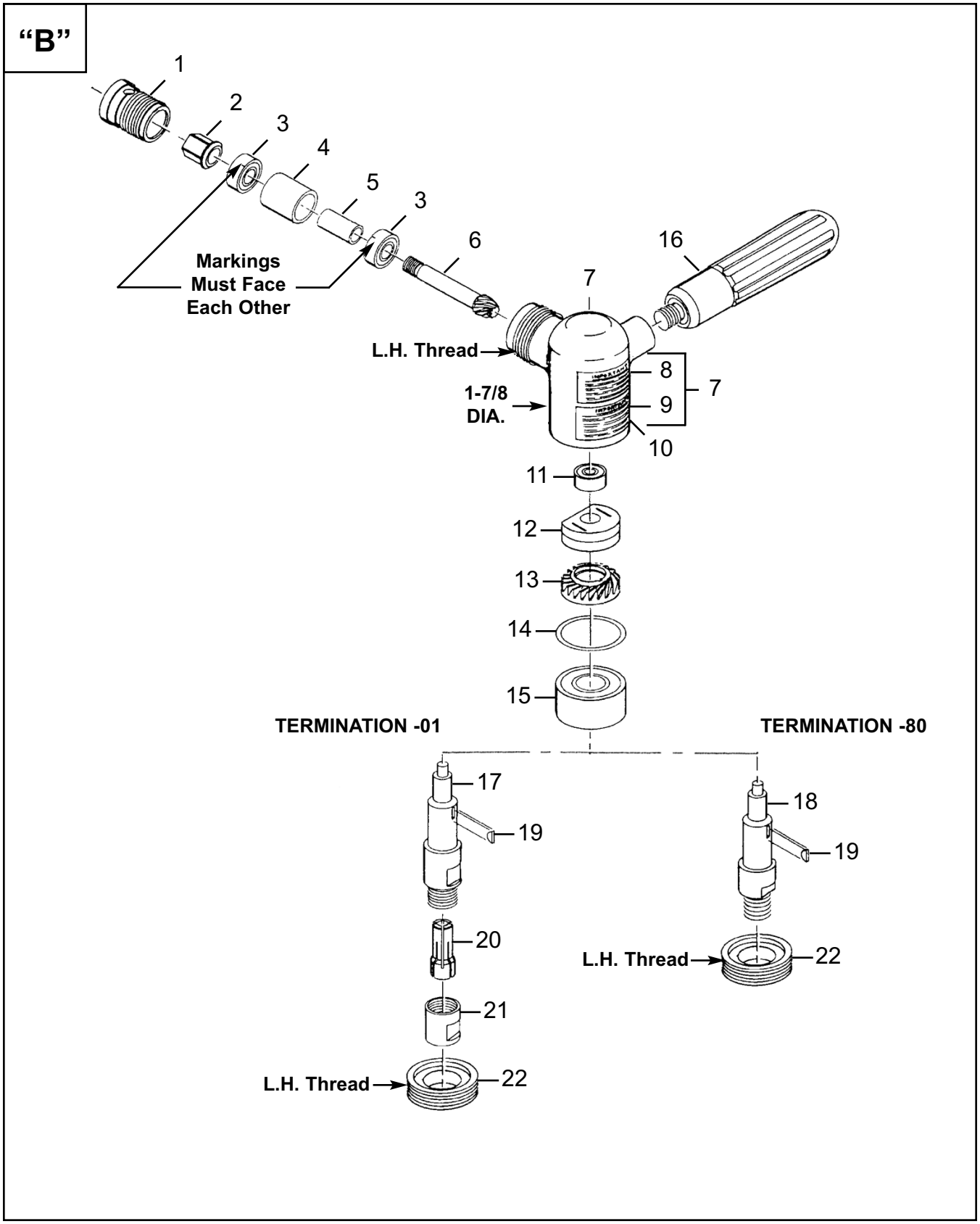
Table, Tabelle, Tableau, Tabla, Tabella "A"

Ref.	Description	Qty.	12-2784	Qty.	12-2785	Qty.	12-2786	Qty.	12-2787	Qty.	12-2788
2	Inlet Adapter (w/o OH)	1	01-2505	1	01-2505	1	01-2505	1	01-2505	1	01-2505
	Inlet Adapter (w/ OH)	1	01-1031	1	01-1031	1	01-1031	1	01-1031	1	01-1031
21	Rotor	1	7656	1	7656	1	7656	1	7658	1	7658
30	Planet Gear	2	2809 (17)	2	2809 (17)	2	2809 (17)	2	2956 (15)	2	2956 (15)

(T) Teeth / Zähne / Dents / Dientes / Dente

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Angle Head



Illustration, Abbildung, Illustration, Ilustración, Illustrazione "B"

Ref	Number	#	X	EN	DE	FR	ES	IT
				Description	Benennung	Designation	Descripción	Descrizione
1	2252	1		Lock Ring	Verschlußring	Bague de verrouillage	Anillo de cierre	Anello di bloccaggio
2	2284	1		Driver	Antrieb	Entraînement	Impulsión	Trasmissione
3	534	1	2	Duplex Bearing	Lager	Coussinet	Cojinete	Cuscinetto
4	2237	1		Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
5	2242	1		Spacer	Distanzstück	Entretoise	Espaciador	Distanziale
6	Table "B"	1	1	Pinion	Pinion	Pignon	Piñón	Il pignone
7	2538	1		Angle Housing	Winkelkopfgehäuse	Cage d'équerre	Alojamiento angular	Corpo testina angolare
8	1463	1		Grease Fitting	Schmiernippel	Monture de graisse	Accesorio de grasa	Ingrassatore
9	1338	1		Lubrication Decal	Aufkleber	Etiquette	Etiqueta	Etichette
10	5005	1		Sander Decal	Aufkleber	Etiquette	Etiqueta	Etichette
11	505	1	2	Ball Bearing	Kugellager	Roulement à billes	Cojinete de bolas	Cuscinetto a sfera
12	7755	2	4	Lube Disc	Ölungssubstanz	Lubrificateur	Lubricador	Lubrificante
13	Table "B"	1	1	Bevel Gear	Kegelrad	Engrenage conique	Engranaje cónico	Ingranaggio conico
14	2645	1	1	Shim Packet	Unterlegstück	Cale pelable	Calzo	Spessore
15	543	1	2	Ball Bearing	Kugellager	Roulement à billes	Cojinete de bolas	Cuscinetto a sfera
16	01-7678	1		Dead Handle	Toter Griff	Poignée morte	El Asidero muerto	Il Manico morto
17	2666	1		Spindle (-01)	Spindel (-01)	Arbre (-01)	Husillo (-01)	Mandrino (-01)
18	2541	1		Spindle (-80)	Spindel (-80)	Arbre (-80)	Husillo (-80)	Mandrino (-80)
19	2062	1	2	Woodruff Key	Schlüssel	Clavette	Llave	Chiave
20	Table "B1"	1		Collet	Futter	Douille de serrage	Boquilla	Bussola di chiusura
21	2058	1		Collet Chuck Cap	Kappe	Chapeau	Tapa	Cappello
22	2542	1		Lock Ring	Verschlußring	Bague de verrouillage	Anillo de cierre	Anello di bloccaggio
--	14-0812	1		Wrench (3/4") (-01)	Schraubenschlüssel	Clé plate	La llave	La chiave
--	45-1982	1		Grease Gun	Schmiermittel	Graisse	Grasa	Grasso
--	45-0980	1		Gear Lube	Schmierung	Lubrification	Lubricación	Lubrificazione

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Table, Tabelle, Tableau, Tabla, Tabella "B"

Ref.	Description	Qty.	12-2784	Qty.	12-2785	Qty.	12-2786	Qty.	12-2787	Qty.	12-2788
6	Pinion	1	2646	1	2667	1	2676	1	2667	1	2676
13	Bevel Gear	1	2647	1	2668	1	2677	1	2668	1	2677

Table, Tabelle, Tableau, Tabla, Tabella "B1"

200 Series Optional Collets					
Part No.	Arbor Size	Part No.	Arbor Size	Part No.	Arbor Size
204	1/8"	**208 ***	**1/4"**	212	3/8"
205	5/32"	209	9/32"	213	6mm
206	3/16"	210	5/16"	216	8mm
207	7/32"	211	11/32"		

* Standard Collet

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 ser vice requirements.

Dallas, TX
Cooper Tools
Sales & Service Center
1470 Post & Paddock
Grand Prairie, TX 75050
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Fax: (972) 641-9674

Detroit, MI
Cooper Tools
Sales & Service Center
4121 North Atlantic Blvd.
Auburn Hills, MI 48326
Tel: (248) 391-3700
Fax: (248) 391-6295

Houston, TX
Cooper Tools
Sales & Service Center
6550 West Sam Houston
Parkway North, Suite 200
Houston, TX 77041
Tel: (713) 849-2364
Fax: (713) 849-2047

Lexington, SC
Cooper Tools
670 Industrial Drive
Lexington, SC 29072
Tel: (800) 845-5629
Tel: (803) 359-1200
Fax: (803) 358-7681

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15503 Blackburn Ave
Norwalk, CA 90650
Tel: (562) 926-0810
Fax: (562) 802-1718

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Cooper Tools
Sales & Service Center
2865 152nd Ave N.E.
Redmond, WA 98052
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Fax: (425) 497-0496

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Cooper Tools
Sales & Service Center
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York, PA 17402
Tel: (717) 755-2933
Fax: (717) 757-5063

Canada
Cooper Tools
Sales & Service Center
5925 McLaughlin Road
Mississauga, Ont. L5R 1B8
Canada
Tel: (905) 501-4785
Fax: (905) 501-4786

Cooper Tools
P.O. Box 1410
Lexington, SC 29071-1410
USA
Phone: 800-845-5629
803-359-1200
Fax: 803-359-0822

Cooper Tools
4121 North Atlantic Blvd.
Auburn Hills, MI 48326
USA
Phone: (248) 391-3700
Fax: (248) 391-6295

Cooper Tools
5925 McLaughlin Road
Mississauga, Ontario
Canada L5R 1B8
Phone: (905) 501-4785
Fax: (905) 501-4786

Cooper Tools
de México S.A. de C.V.
Libramiento La Joya No. 1
Bodega No. 2
Esq. Politécnico
Barrio San José
Cuautitlán, Edo de México
C.P. 54870
Phone: +52-55-5899-9510
Fax: +52-55-5870-5012

Cooper Tools Industrial Ltda.
Av. Liberdade, 4055
Zona Industrial - Iporanga
18087-170 Sorocaba, SP
Brazil
Tel: +55-15-3238-3929
Fax: +55-15-228-3260

Cooper Power Tools SAS
Zone industrielle – B.P. 28
77831 Ozoir-la-Ferrière Cedex
France
Téléphone: +33-1-6443-2200
Téléfax: +33-1-6440-1717

Cooper Power Tools
GmbH & Co. OHG
Postfach 30
D-73461 Westhausen
Germany
Phone: +49 (0) 73 63/ 81-0
Fax: +49 (0) 73 63/ 81-222
E-Mail:
htwe.sales@cooperindustries.com

Cooper Tools Hungária Kft.
Berkenyefa sor 7
H-9027 Györ
Hungary
Tel: +36-96-505 300
Fax: +36-96-505 301

Cooper (China) Co., Ltd.
955 Sheng Li Road,
Heqing Pudong, Shanghai
China 201201
Tel: +86-21-28994176
+86-21-28994177
Fax: + 86-21-51118446

www.coopertools.com

Cooper Industries, Ltd.
600 Travis, Ste. 5800
Houston, TX 77002-1001
P: 713-209-8400
www.cooperindustries.com

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