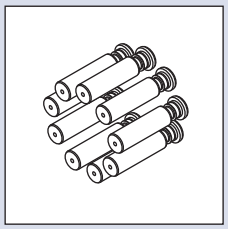
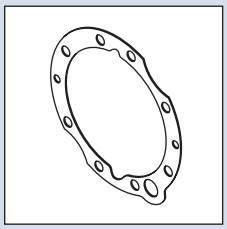
RUTHZIL TRATOR COMERCIAL DE PEÇAS LTDA 11 97083-6812 ROLANDO CITRANGULO

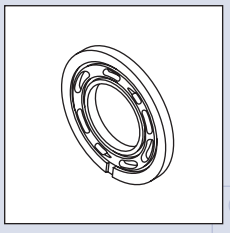
SAUER DANFOSS

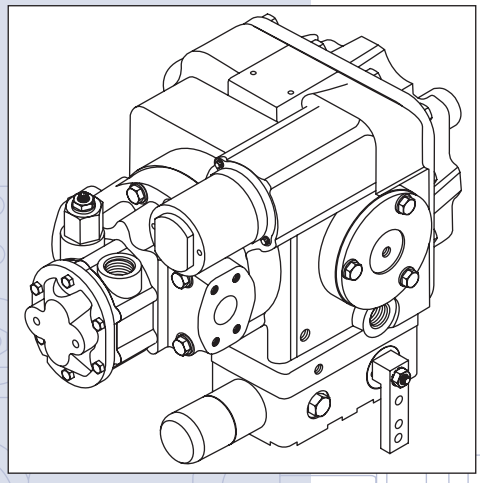
Series 20
20 thru 27 Series Variable Displacement Pumps

Quick Reference Service Parts Manual









© 1992, 2003 Sauer-Danfoss. All rights reserved. Printed in U.S.A.

Sauer-Danfoss accepts no responsibility for possible errors in catalogs, brochures and other printed material. Sauer-Danfoss reserves the right to alter its products without prior notice. This also applies to products already ordered provided that such alterations aren't in conflict with agreed specifications. All trademarks in this material are properties of their respective owners. Sauer-Danfoss and the Sauer-Danfoss logotype are trademarks of the Sauer-Danfoss Group.

Front cover illustrations: P100 661, P100 662, P100 663, P100 660

BLN-2-41657 Rev. A • November 2003

Series 20, 20 thru 27 Series Variable Displacement Pumps
Quick Reference Service Parts Manual
Contents

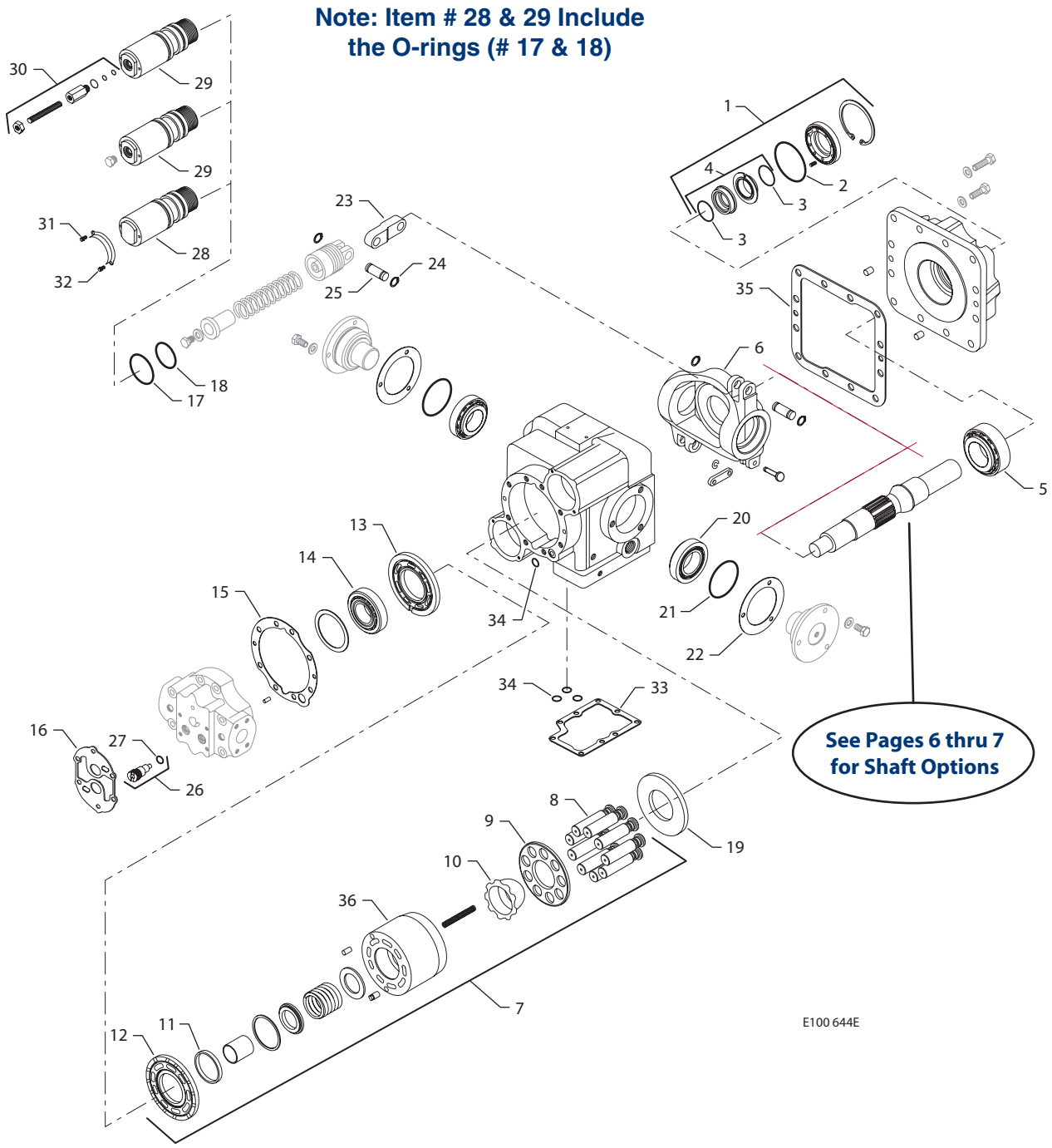
SERVICE PARTS

Exploded view drawing 4
Service parts 5

DRIVE SHAFTS

20 Series 6
21 Series 6
22 Series 6
23 Series 6-7
24 Series 7
25 Series 7
26 Series 7
27 Series 7

Exploded view drawing



SERVICE PARTS

#	Discription	20 Series	21 Series	22 series	23 Series	24 Series	25 Series	26 Series	27 Series
	Overhaul seal kit	9510224	9510227	9510230	9510233	9510236	9510239	9510316	9510242
1	Shaft seal kit	9510189	9510189	9510189	9510190	9510190	9510190	9510275	9510191
2	O-ring	9004100-2340	9004100-2340	9004100-2340	9004100-2380	9004100-2380	9004100-2380	9004100-2420	9004100-2430
3	O-ring	9004104-1290	9004104-1290	9004104-1290	9004104-1360	9004104-1360	9004104-1360	9004104-1440	9004104-1490
4	Seal kit	9510022	9510022	9510022	9510021	9510021	9510021		
5	Front bearing kit	9510251	9510251	9510256	9510259	9510259	9510264	9510267	9510270
6	Swshplate, 18°	002725	9210279	9220570	9510761	9240197	9250164	9260152	9270462
7	Cylinder block kit	510149	9210696	9221448	9230973	9240641	9250685	9260369	9270658
8	Piston kit, set of 3	501528	9510408-0010	9510408-0001	9510408-0002	9510408-0004	9510408-0005	9510408-0006	9510408-0009
	Remanufactured	711291	R9510408-0010	R9510408-0001	R9510408-0002	R9510408-0004	R9510408-0005	R9510408-0006	R9510408-0009
9	Slipper retainer	2667	9210292	9220628	9230234	9240125	9250170	9260072	9270486
10	Slipper ret. guide	2642	9210219	9220500	9230158	9240097	9250073	9260047	9270105
11	Pilot ring	2709	010678	013862	004325	702381	634907	634915	634899
12	Bearing plate	2733	9210658	9221335	9230881	9240560	9250627	9260321	9270657
13	Valve plate, RH	2881	9210478	9220990	9230560	9240277	9250652	9260355	9270683
	Valve plate, LH	2899	9210479	9220991	9230561	9240278	9250653	9260356	9270684
14	Rear bearing kit	9510250	9510253	9510255	9510258	9510261	9510263	9510266	9510386
15	End cap gasket	9200088	9210204	9221337	9230127	9240549	9250587	9260144	9270710
16	Charge pump gasket	9801235	9801235	9801235	9801235	9801604	9801604	9801604	9801604
	gerotor with IPOR		9803241*	9803241*	9803241*	9803241*			
	gerotor without IPOR		9803252*	9803252*	9803252*	9803252*			
17	O-ring	9004100-1390	9004100-1390	9004100-1430	9004100-1430	9004100-1510	9004100-1510	9004100-1560	9004100-1560
18	O-ring	9004100-1360	9004100-1360	9004100-1410	9004100-1410	9004100-1500	9004100-1500	9004100-2430	9004100-2430
19	Thrust plate	10520	9210293	9220626	9230235	9240124	9250171	9260073	9270482
20	Trunnion bearing kit	9510252	9510254	9510257	9510639	9510262	9510265	9510268	9510271
	prior to 88-01-xxxxx				9510260				
21	O-ring	9004100-2260	9004100-2280	9004100-2300	9004100-2320	9004100-2340	9004100-2360	9004100-2400	9004100-2450
22	Trunnion shim kit	9510422-0001	9510422-0002	9510422-0003	9510422-0004	9510422-0005	9510422-0006	9510422-0007	9510422-0008
23	Servo piston link	589317	589317	589325	594671	9240584	9250617	9260252	9270653
	87-13 thru 97-23		9210620	9221367	9230787				
24	Retaining ring	9006300-0050	9006300-0050	9006300-0062	9006300-0062	9006300-0075	9006300-0075	9006300-0087	9006300-0087
25	Pin	9004830-0001	9004830-0001	9004830-0002	9004830-0002	9004830-0008	9004830-0008	9004830-0009	9004830-0009
	87-13 thru 97-23		9004830-0012	9004830-0010	9004830-0010				
26	Check valve kit	9800648	9800648	9800648	9800648	9800648 10gpm	9802028	9802028	9802028
						9800687 20gpm			
27	O-ring	9004101-0150	9004101-0150	9004101-0150	9004101-0150	9004101-0150	9004101-0270	9004101-0270	9004101-0270
	20gpm check valve					9004101-1170			
28	Servo sleeve	9200582	9200582	9510207	9510207	9510208	9510208	9510331	9510331
29	Servo sleeve	9200583	9200583	9510350	9510350	9510351	9510351	9510331	9510331
30	Stoke limiter kit	9200515	9200515	9221078	9221078	9240326	9240326	9260185	9260185
31	Torx screw	9007276-0011	9007276-0011	9007276-0011	9007276-0011	9007276-0011	9007276-0011	9007276-0011	9007276-0011
32	Servo retainer	9200087	9200087	9220419	9220419	9240076	9240076	9270178	9270178
33	Control gasket	9803340	9803340	9803340	9803340	9803340	9803340	9803340	9803340
34	O-ring	9004101-0140	9004101-0140	9004101-0140	9004101-0140	9004101-0140	9004101-0140	9004101-0140	9004101-0140
35	Front cover gasket	9200076	9210201	9221528	9230124	9240741	9250158	9260145	9270175
36	Cylinder block	49155	9210576	9221102	9230651	9240394	9250470	9260231	9270495
	Remanufactured		R9210576	R9221102	R9230651	R9240394	R9250470	R9260231	R9270495

* Indicated special charge pump gaskets (Item # 16) are not included in the overhaul seal kit

Drive shafts

20 SERIES

Part Number	Description
10827	14 tooth spline, gear charge pump
707828	20 tooth spline, gear charge pump
46557	21 tooth spline, M10 threaded hole, gear charge pump
708073	Straight key, 3/8-24 UNF-2B threaded hole, gear charge pump
9003261-3132	Key, 5/16 x5/16 x 2 1/2

21 SERIES

9210467	14 tooth spline, gear charge pump
9210663	14 tooth spline. gerotor charge pump
9210205	21 tooth spline, gear charge pump
9210673	21 tooth spline, gerotor charge pump
9210428	Tapered, gear charge pump
9003310-3724	Key
9700169	Slotted nut
9210538	Straight key, gear charge pump
9003261-3132	Key, 5/16 x5/16 x 2 1/2

22 SERIES

144402	14 tooth spline, gear charge pump
9221447	14 tooth spline. gerotor charge pump
9220515	19 tooth spline, gear charge pump
9220527	20 tooth spline, 3/8-24 UNF-2B threaded hole., gear charge pump
9221475	20 tooth spline, 3/8-24 UNF-2B threaded hole. gerotor charge pump
9220417	21 tooth spline, gear charge pump
9221441	21 tooth spline, gerotor charge pump
9220884	Tapered, gear charge pump
9003310-3724	Key
9700169	Slotted nut
9221491	Tapered, gerotor charge pump
9003310-3724	Key
9700169	Slotted nut
9221065	Straight key, 3/8-24 UNF-2B threaded hole, gear charge pump
9003261-3132	Key, 5/16 x5/16 x 2 1/2

23 SERIES

9231076	13 tooth spline. gerotor charge pump
9230476	14 tooth spline, gear charge pump
9230951	14 tooth spline. gerotor charge pump
9230325	21 tooth spline, gear charge pump
9230968	21 tooth spline, gerotor charge pump
9230173	23 tooth spline, 3/8-24 UNF-2B threaded hole., gear charge pump
9231014	23 tooth spline, 3/8-24 UNF-2B threaded hole. gerotor charge pump
9230147	27 tooth spline, 3/8-24 UNF-2B threaded hole. gear charge pump
9230445	Tapered, 1.5" nominal shaft dia., gear charge pump
9003310-3724	Key
9700169	Slotted nut
9230989	Tapered, 1.375" nominal shaft dia., gerotor charge pump
9003310-3724	Key
9700169	Slotted nut

Drive shafts

23 SERIES

Part Number	Description
9231075	Tapered, 1.5" nominal shaft dia., gerotor charge pump
9003310-3724	Key
9700169	Slotted nut
9230626	Straight key, 3/8-24 UNF-2B threaded hole, gear charge pump
9003261-3132	Key, 3/8 x 3/8 x 2 1/2

24 SERIES

9240737	13 tooth spline, M14 x 2-6H tapped hole, gear charge pump
9240685	13 tooth spline, gerotor charge pump
9240736	27 tooth spline, M14 x 2-6H tapped hole, gear charge pump
9240231	Tapered, gear charge pump
9003326-0005	Key
9700189	Slotted nut
9240713	Tapered, gerotor charge pump
9003326-0005	Key
9700189	Slotted nut
9240316	Straight key, 1/2-20 UNF-2B threaded hole, gear charge pump
9003261-3732	Key, 3/8 x 3/8 x 2 1/2

25 SERIES

9250327	13 tooth spline, gear charge pump
9250713	27 tooth spline with M14 x 2-6H tapped hole, gear charge pump
9250409	Straight key, 1/2-20 UNF-2B threaded hole, gear charge pump
9003261-3732	Key, 3/8 x 3/8 x 2 1/2

26 SERIES

9260140	13 tooth spline, gear charge pump
9260427	27 tooth spline, M14 x 2-6H tapped hole, gear charge pump
9260176	Straight key, 1/2-20 UNF-2B threaded hole, gear charge pump
9003261-5040	Key, 1/2 x 1/2 x3 1/2

27 SERIES

9270422	15 tooth spline, gear charge pump
9270741	40 tooth spline, M16 tapped hole, gear charge pump
9270427	Straight key, 1/2-20 UNF-2B threaded hole, gear charge pump
9003261-6244	Key, 5/8 x 5/8 x4

SAUER DANFOSS

OUR PRODUCTS

Hydrostatic transmissions

Hydraulic power steering

Electric power steering

Electrohydraulic power steering

Closed and open circuit axial piston pumps and motors

Gear pumps and motors

Bent axis motors

Orbital motors

Transit mixer drives

Planetary compact gears

Proportional valves

Directional spool valves

Cartridge valves

Hydraulic integrated circuits

Hydrostatic transaxles

Integrated systems

Fan drive systems

Electrohydraulics

Microcontrollers and software

Electric motors and inverters

Joysticks and control handles

Displays

Sensors

BLN-2-41657 Rev. A • November 2003

Heuss Printing

Sauer-Danfoss Mobile Power and Control Systems – Market Leaders Worldwide

Sauer-Danfoss is a comprehensive supplier providing complete systems to the global mobile market.

Sauer-Danfoss serves markets such as agriculture, construction, road building, material handling, municipal, forestry, turf care, and many others.

We offer our customers optimum solutions for their needs and develop new products and systems in close cooperation and partnership with them.

Sauer-Danfoss specializes in integrating a full range of system components to provide vehicle designers with the most advanced total system design.

Sauer-Danfoss provides comprehensive worldwide service for its products through an extensive network of Authorized Service Centers strategically located in all parts of the world.

Sauer-Danfoss (US) Company
2800 East 13th Street
Ames, IA 50010, USA
Phone: +1 515 239-6000, Fax: +1 515 239 6618

Sauer-Danfoss (Neumünster) GmbH & Co. OHG
Postfach 2460, D-24531 Neumünster
Krokamp 35, D-24539 Neumünster, Germany
Phone: +49 4321 871-0, Fax: +49 4321 871 122

Sauer-Danfoss (Nordborg) A/S
DK-6430 Nordborg, Denmark
Phone: +45 7488 4444, Fax: +45 7488 4400

www.sauer-danfoss.com