

Service-, Fuse-, Barrel- and Adapter-Kits for accumulators, handpumps, valves and hydraulic starters

Service kits for accumulators

To part	Part number	Kit number	Description	Consisting of:
Accumulator ACB/AKB for parts with S/N lower than 14031334	1893	KT-203305-1	Seal kit, BUNA N	1 x GA-100117 O-ring (fuse) 1 x GA-100475 O-ring (gas valve) 2 x RG-1128-9 O-ring (end cap) 2 x RG-100155 Back-up ring (end cap) 2 x RG-203187-1 Wear ring 1 x SE-202992-27 T-seal and its 2 black support ring for T-seal
Accumulator ACB/AKB for parts with S/N higher than 14031334	11638	KT-208855	Seal kit BUNA N	1 x GA-100117 O-Ring Buna-N 1 x GA-100475 O-Ring Buna-N 2 x GA-1128-9 O-Ring Buna-N 1 x PT-208840 Piston Assembly 2 x RG-100155 Back-Up Ring Teflon
Accumulator ACB/AKB	6592	KT-203305-2	Seal kit, Viton	1 x SE-202992-31 T Seal Assy 1 x GA-100117 O-Ring, Fuse 2 x RG-203187-1 Wear Rings, Piston 1 x GA-100475 O-Ring, Gas Valve 2 x GA-1130-6 O-Rings, End Cap 2 x RG-100155 Back-up Rings, End Cap
Accumulator ACB/AKB	11346	KT-203305-3	Seal kit, Ethylene propylene	1 x SE-202992-33 T Seal Assy 1 x GA-100117 O-Ring, Fuse 2 x RG-203187-1 Wear Rings, Piston 1 x GA-100475 O-Ring, Gas Valve 2 x GA-1195 O-Rings, End Cap 2 x RG-100155 Back-up Rings, End Cap
Accumulator ACB/AKB	7185	KT-206852	Segment Ring kit	2 x RG-202624-1 (long) 2 x RG-202624-2 (short)

Accumulator ACK	1895	KT-203309-1	Seal kit, BUNA N	1 x GA-100475 O-Ring 2 x GA-100508 O-Ring 2 x RG-100163 Back-up ring 1 x RG-203187-2 Wear ring 1 x SE-202992-39 T-Seal
Accumulator ACK	3148	KT-203309-2	Seal kit, Viton	1 x SE-202992-43 T Seal Assy 2 x RG- 203187-2 Wear Rings, Piston 1 x GA-100475 O-Ring, Gas Valve 2 x GA-1130-5 O-Rings, End Cap 2 x RG-100155 Back-up Rings, End Cap
Accumulator ACA	1897	KT-203419-1	Seal kit	1 x SE-202992-15 T-Seal Assy 1 x GA-100164 O-Ring, Gas End Cap 1 x RG-100155 Backup ring, Gas End Cap 1 x GA-100475 O-Ring, Gas valve 1 x RG-203187-5 Wear Ring, Piston
Accumulator AKE and A60	1898	KT-206357	Seal kit BUNA	1 x GA-100475 O-Ring 2 x 0101433 O-Ring 2 x 0108433 Backup ring 1 x 0210009 T-seal 1 x RG-203187-9 Ring-split guide
Accumulator AKE and A60	10284	KT-207148	Seal kit VITON	tbd
Accumulator AKG	1899	KT-206360	Seal kit BUNA	1 x GA-100475 O-Ring (gas valve) 2 x 0101441 O-Ring BUNA 2 x 0108441 Backup ring Teflon 1 x SE-202992-51 T-Seal BUNA 2 x RG-203187-4 Wear Ring
Accumulator AKG	7609	KT-207150	Seal kit VITON	1 x GA-100475 O-Ring (gas valve) 2 x 0107441 O-Ring VITON 2 x 0108441 Backup ring Teflon 1 x SE-202992-56 T-Seal VITON 2 x RG-203187-4 Wear ring

Accumulator AKS	9468	KT-207155	Seal kit	2 x RG-206422 Ring-Split guide TEFLON 1 x 0210008 T-Seal BUNA 2 x 0108446 Back-up Ring TELFON 2 x 0101446 O-Ring BUNA 1 x GA-100475 O-Ring BUNA
Accumulator A40	3741	KT-207416	Seal kit	???
Accumulator A70...32S Serie	5136	KT-207940	Seal kit BUNA N	1 x GA-100475 Air Valve O-Ring 2 x 0101439 O-Ring 2 x 0108439 Back-Up Ring 1 x SE-207799 Piston T-Seal + 2 x Guide Ring 2 x RG-207517 Piston Wear Ring

Fuse kits for accumulators

To part	Part number	Kit number	Description	Consisting of:
Accumulator ACB-30...	11706	KT-208498	Fuse kit	1 x FU-202572-3 Fuse assembly 1 x IF-208502 Info sheet 1 x 6" x 8" Poly bag 1 x 3" x 3" Poly bag

Service kits for pumps

To part	Part number	Kit number	Description	Consisting of:
Handpump HPA	12332	HT-KT-202565	Service kit, BUNA	1 x GA-100113 Bleeder screw O-ring 1 x GA-100213 Inlet fitting O-ring (outer) 1 x RG-100214 Inlet fitting back-up ring 1 x GA-100215 Inlet fitting O-ring (inner) 1 x GA-100108 Check valve seat O-ring 1 x RG-100209 Plunger back-up ring 1 x GA-100110 Plunger O-ring 2 x SP-200605 Check valve spring 1 x GA-100111 Plunger gland O-ring (inner) 1 x RG-208226 Plunger gland back-up ring 1 x GA-100097 Plunger gland O-ring (outer) 1 x RG-100208 Plunger gland back-up ring
Enginelpump RPA	1892	KT-202788	Service kit	1 x SE-1000082 Fluid Seal 1 x GA-1129-5 O-Ring 2 x RG-1098 Retaining ring 1 x SP-202607 Valve spring 2 x GA-1129-1 O-Ring 2 x RG-100157 Back-up ring 1 x GA-1129-7 O-ring 1 x GA-1129-2 O-ring 1 x SP-202702 Valve spring 1 x GA-1129-4 O-ring 1 x SP-202615 Inlet Valve seat

Service kits for valves

Bowden Wire Valve VCA	1896	KT-203381	Service kit	3 x GA-1145 O-Ring 1 x GA-1129-6 O-Ring 1 x PN-403957 Actuator pin 1 x BB-1081 Steel ball 1 x SP-202767 Return spring
Foot Valve VA-202180	11518	KT-207840	Service kit	1 x RG-100253 Snap ring 3 x GA-100106 O-Ring
Solenoid Start Valve VCA-300446-x	11158	KT-208885	Service kit	tbd
Soft Engagement Valve VD-3-339-X	4934	KT-3-339	Service kit	1 x VD-339-DSE-M-8x1 Adjustment screw, complete with sealed nut 1 x VD-339-E33-15 O-Ring 1 x VD-339-33-60-10 Back-up ring 1 x VD-339-3-342-M Piston 1 x VD-339-151313 Spring 1 x VD-339-16/20-1,5-CU Washer 1 x VD-339-1082-178 O-Ring 1 x VD-339-107-14-15 Back-up ring

Service kits for hydraulic starters

To part	Part number	Kit number	Description	Consisting of:
A/B Series	7617	KT-207387	Service kit	1 x BB-100083 Ball bearing 1 x GA-100088 O-Ring 1 x GA-100104 O-Ring 1 x HP-203078 Seal holder 2 x KY-2-5 Woodruff key*) 1 x RG-100039 Retaining ring 1 x RG-100041 Retaining ring 1 x RG-1136 Slipper seal *) A Series requires one key only. Assembling aid: Assembly tool EHS-41-2857 (not included).
C/D Series	7558	KT-207839	Service kit	1 x BB-100060 Ball bearing 1 x GA-100061 O-Ring 1 x GA-100064 O-Ring 1 x HP-203094 Seal holder 2 x KY-4-6 Woodruff key 1 x PG-1124 Plug 1 x RG-100036 Retaining ring 1 x RG-1104 Retaining ring 1 x RG-1137 Slipper seal Assembling aid: Assembly tool EHS-41-2858 (not included).
E Series	7616	KT-207838	Service kit	1 x GA-207691 Pinion housing gasket 1 x 1001048 Retaining ring 1 x 1002037 Retaining ring 1 x GA-208700 Gasket 1 x GA-208828 Gasket 1 x BB-206882 Ball bearing 2 x KY-4-6 Alloy woodruff key 1 x PG-1124 Expansion plug 1 x SE-208833 Shaft seal assembly Mounting tool: Assembly tool TK-1205 (not included).

HCD Drive housing	11035	KT-3-353	Service kit	1 x JV-52 1 x NA-49-32 1 x TG3200400-T10N 1 x 224-8307
HCD Drive shaft	11034	KT-3-361	Service kit	1 x BB-6006 Ball bearing 1 x 3-361-M Seal holder 1 x 225-8307 O-Ring Set 1 x TG3100300-T10N Roto Ring 1 x 125-8307 O-Ring Set 1 x I-55 Retaining ring 1 x A-30 Retaining ring

Barrel kits for hydraulic starters

To part	Part number	Kit number	Description	Consisting of:
A Series	10946	KT-208826	Barrel kit	1 x BC-208821 Barrel 7 x PT-208836 Piston 1 x RG-100527 Retaining ring 1 x SP-202166 Spring

B Series	10062	KT-208827	Barrel kit	1 x BC-208820 Barrel 7 x PT-208822 Piston 1 x RG-100040 Retaining ring 1 x SP-200535 Barrel spring
C/D Series	9511	KT-208828	Barrel kit	1 x BC-208711 Barrel 7 x PT-208704 Piston 1 x RG-1103 Retaining ring 1 x SP-202663 Barrel spring 2 x WA-1949 Barrel washer
E Series	9736	KT-208829	Barrel kit	1 x BC-206872 Barrel 9 x PT-206874 Piston 1 x RG-100041 Retaining ring 1 x SP-206885 Barrel spring 2 x WA-200675 Washer

Adapter kits SAE to NPT

To part	Part number	Kit number	Description	Consisting of:
VA-202180-A	10290	KT-202180-1	Service kit with SAE#6 ports	2 x FI-208837 Adapter SAE#6 to 3/8" NPTF
HPA-300118-B	10320	KT-300118-3	Adapter kit 3 for stand-alone	1 x FI-208838 Adapter SAE 4 to 1/4" NPTF 2 x FI-208837 Adapter SAE 6 to 3/8" NPTF
HPA-300118-B	10321	KT-300118-4	Adapter kit 4 mounted on tank	1 x FI-208838 Adapter SAE 4 to 1/4" NPTF 1 x FI-208837 Adapter SAE 6 to 3/8" NPTF 1 x O-Ring SAE 6 1 x Inlet tube SAE 6 (length depend on CPS reservoir model!)
HPA-300118-B	11505	KT-300118-5	Adapter kit 5 mounted on tank	1 x FI-208838 Adapter SAE 4 to 1/4" NPTF 1 x Winkel 12L-SAE6 E233.612L-09UNF 1 x O-Ring SAE 6 17x 4mm 1 x Inlet tube SAE 6 (length depend on CPS reservoir model!) approx. 155mm
VCA-300378-B and VCA-300446-X	10969	KT-300378-1	Adapter kit	2 x FI-208840 Adapter SAE 12 to 3/4" NPTF
RPA Series	10185	KT-308090-1	Adapter kit	1 x FI-208837 Adapter SAE 6 to 3/8" NPTF 2 x FI-208838 Adapter SAE 4 to 1/4" NPTF
FRH-308273	11717	KT-308273	Adapter kit	2 x FI-SAE6-3/8" NPTF
FRK-308338-xA Series	11715	KT-308338	Adapter kit	2 x FI-SAE8-1/2"NPTF