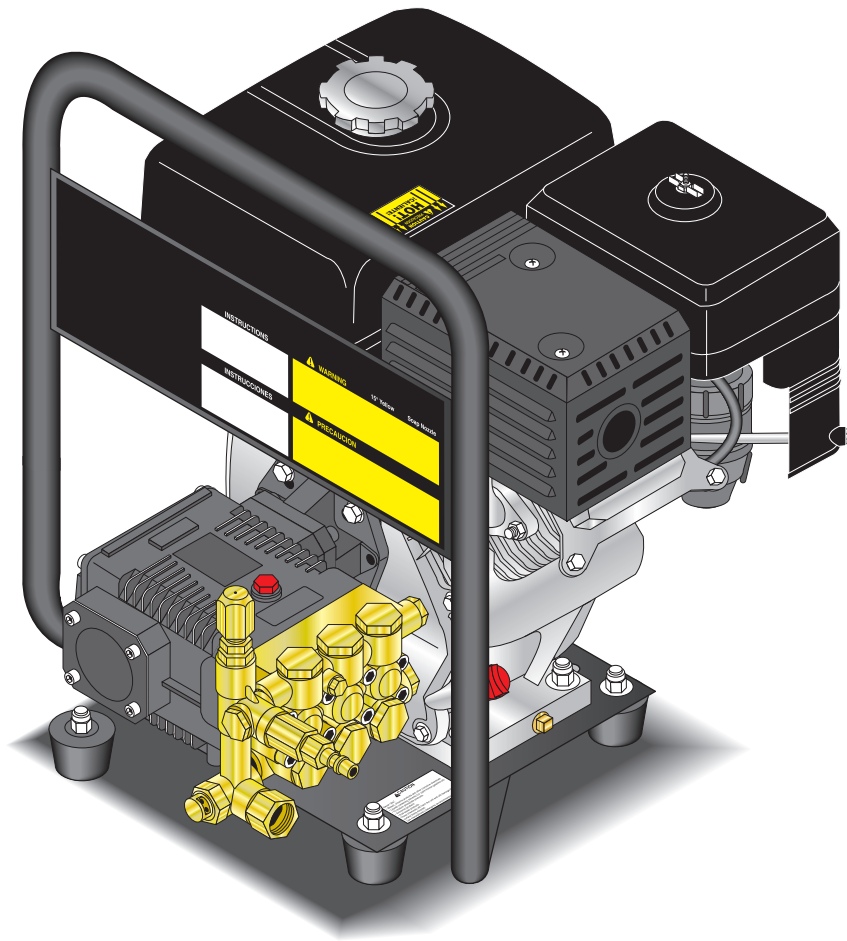




KÄRCHER

OPERATOR'S MANUAL

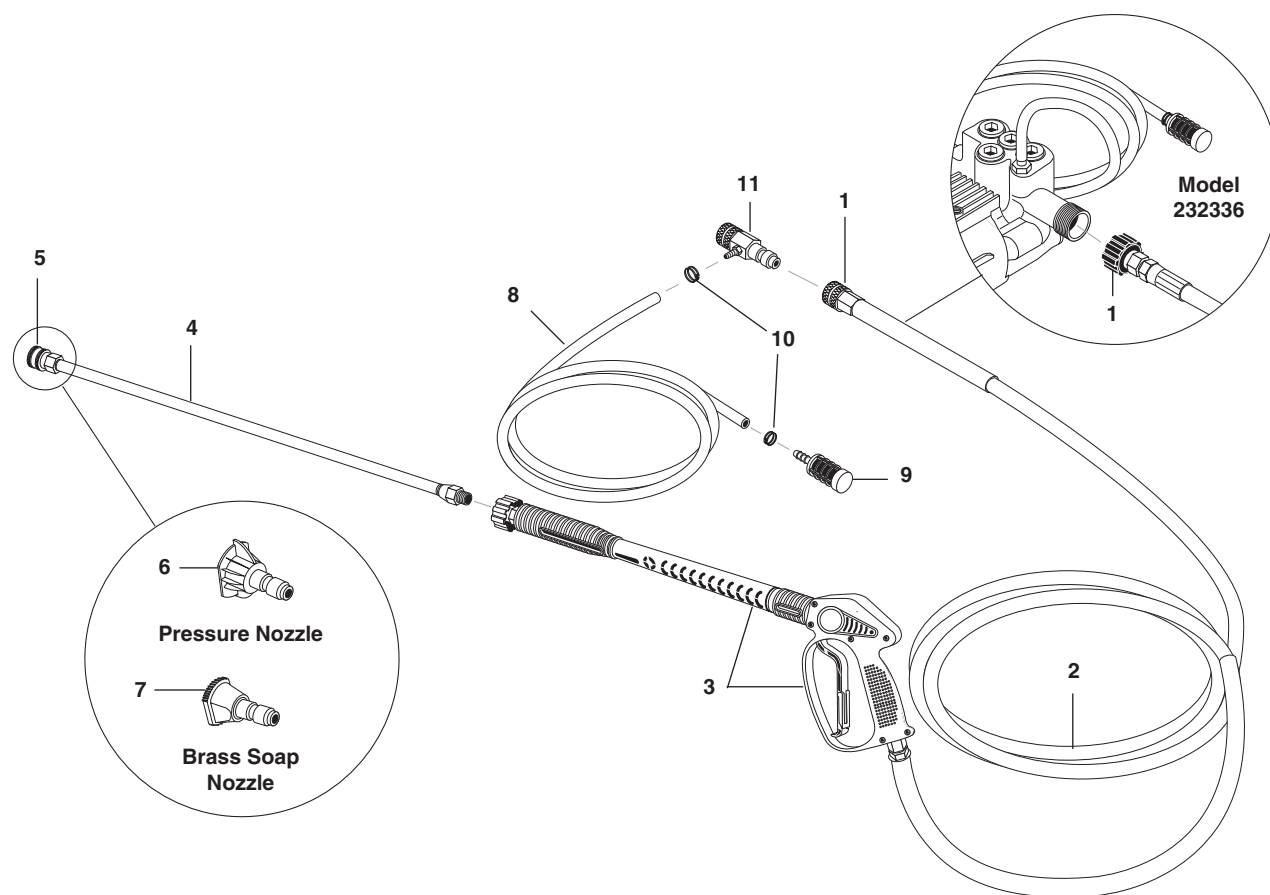


<u>MODEL</u>	<u>ORDER #</u>	<u>MODEL</u>
HD 2.3/24 P -	1.575-350.0	CD-232336
HD 2.3/23 P -	1.575-351.0	CD-232437

To locate your local Kärcher Commercial Pressure Washer Dealer nearest you
visit www.karchercommercial.us

9.800-087.0

HOSE & SPRAY GUN ASSEMBLY

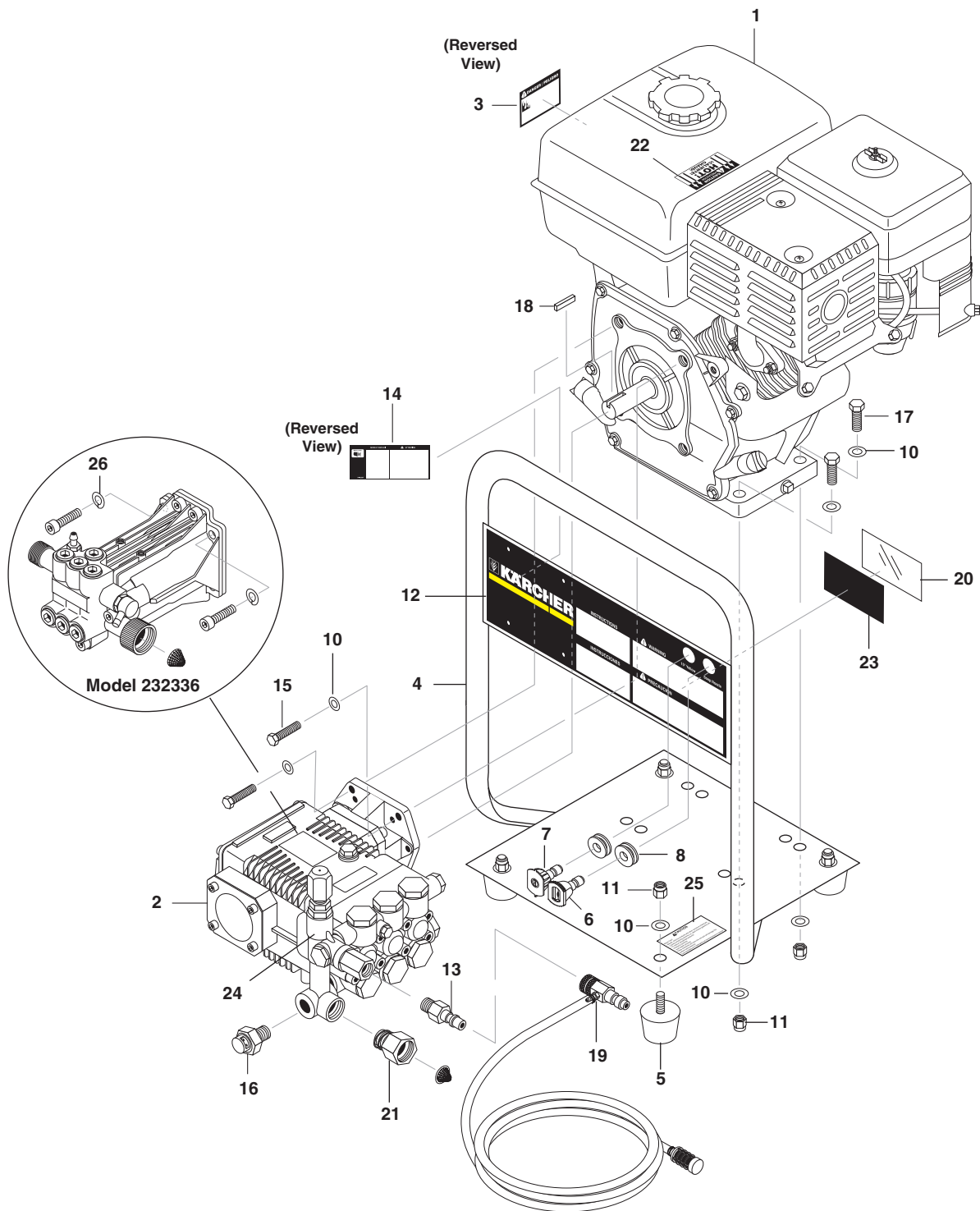


HOSE & SPRAY GUN ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.802-166.0	Coupler, 3/8" Female (2324)	1
	9.802-100.0	▲ Quick Coupler O-Ring	1
	8.707-182.0	Coupler, Twist Connect, M22-F x 3/8" FNPT (2323)	1
2	8.739-125.0	Hose, 3/8" x 30', 1 Wire, Tuff-Flex	1
3	9.802-223.0	Spray Gun, Shut-Off	1
4	9.802-220.0	Wand, Straight	1
5	9.802-164.0	Coupler, 1/4" Female	1
	9.802-096.0	Quick Coupler O-Ring	1
6	9.802-288.0	Nozzle, 3.0 15° Yellow	1
7	9.802-311.0	Nozzle, Brass Soap	1
8	9.802-251.0	Hose, 1/4" x 1/2" Clear Vinyl (2324)	6 ft.
9	9.802-160.0	Strainer, 1/4" Plastic (2324)	1
10	9.802-210.0	Clamp, Hose (2324)	2
11	9.802-216.0	Injector, Chem., Non-Adj, 3-5 GPM, .083 (2324)	1

▲ Not Shown

EXPLODED VIEW



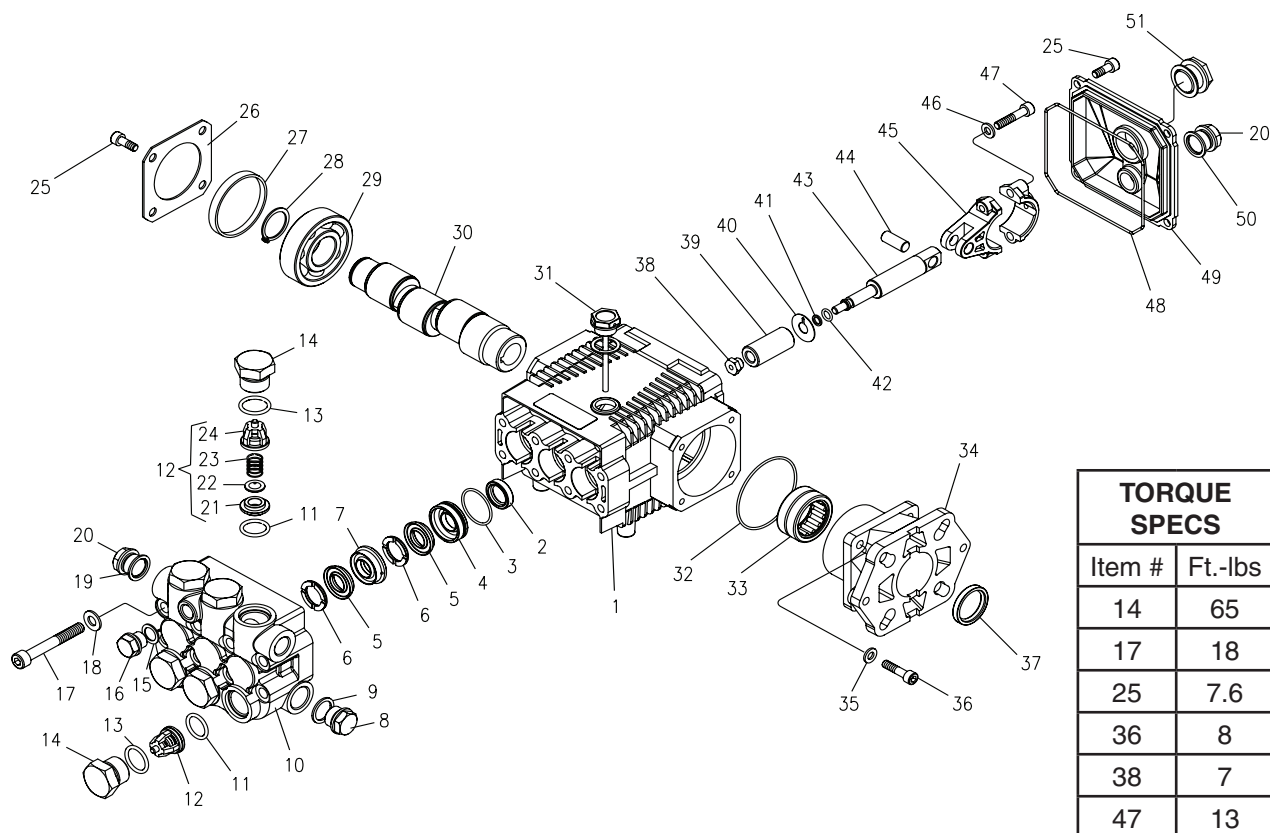
EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.802-316.0	Engine, Honda, GX160K1QX2, 5.5 HP (2324)	1
	8.714-078.0	Engine, Honda, GC1601QHA, 5 HP (232336)	1
2	9.803-822.0	Pump, Kärcher KG2530G	1
	8.120-032.0	Pump (2323)	1
3	9.800-008.0	Label, Danger Cool Engine	1
4	9.802-873.0	Handle Assembly	1
5	9.802-063.0	Mount, Vibration, 5/16"-18 x 9/16" Stud, 30 Duro	4
6	See Page 15 For Nozzle Information		
7	See Page 15 For Nozzle Information		
8	9.802-064.0	Grommet, Rubber, Nozzle Holder	2
9	9.800-017.0	▲ Tag, Pump Plug/Dipstick	1
	9.800-095.0	▲ Tag, Pump Plug/Vented Cap (232336)	1
10	9.802-804.0	Washer, 5/16" Flat, SAE	16
11	9.802-776.0	Nut, 5/16", ESNA, NC	8
12	9.800-059.0	Label, Warning/Instructions	1
13	9.802-171.0	Nipple, 3/8" x 3/8" NPT ST Male	1
14	9.800-037.0	Label, French Warning	1
15	9.802-711.0	Bolt, 5/16" x 1", NF, HH	4
	9.802-713.0	Bolt, 5/16" x 1-1/2" NC, HH (232336)	1
16	9.804-025.0	Pump Protector, 1/4" 145°	1
17	9.802-713.0	Bolt, 5/16" x 1-1/4", 145°	4
18	9.802-958.0	Key, Motor Shaft	1
19	9.802-225.0	Detergent Injector Assy 3-5 GPM 0.83	1
20	9.800-034.0	Label, Clear Lexan, 2-1/4" x 4"	1
21	9.802-146.0	Swivel, 1/2" MP x 3/4" GHF w/Strainer	1
22	9.800-006.0	Label, "Hot/Caliente", w/Arrows	1
23	9.800-014.0	Label, Intended For Outdoor Use	1
24	9.803.899.0	Unloader, VBA35	1
25	9.800-049.0	Label, Manufacturers Cleaning Solution	6 ft.
26	9.802-813.0	Lock Washer	4

▲ Not Shown

KG PUMP EXPLODED VIEW

9.803-822.0 KG2530G



TORQUE SPECS	
Item #	Ft.-lbs
14	65
17	18
25	7.6
36	8
38	7
47	13

KG PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	9.803-938.0	Crankcase	1	19	9.803-198.0	Copper Washer 3/8"	1
2*	See Kit	Plunger Oil Seal	3	20	9.802-925.0	Brass Plug 3/8"	2
3*	9.803-939.0	O-Ring Ø1.78 x 28.30	3	25	9.802-939.0	Hexagonal Screw	9
4*	8.717-310.0	Pressure Ring, 15mm	3	26	9.803-953.0	Bearing Cover	1
5*	See Kit	"V" Seal, 15mm	6	27	9.803-954.0	Seal Bearing	1
6*	9.803-942.0	Support Ring 15mm	6	28	9.802-914.0	Snap Ring	1
7*	9.803-944.0	Intermediate Ring 15mm	3	29	9.803-955.0	Ball Bearing	1
8	9.802-926.0	Brass Plug, 1/2"	1	30	8.717-069.0	Crankshaft (2530G)	1
9	9.803-199.0	Copper Washer 1/2"	1		8.717-070.0	Crankshaft (3030G)	1
10	9.803-946.0	Manifold Housing	1	31	9.803-957.0	Oil Dip Stick	1
11*	9.803-947.0	O-Ring Ø1.78 x 15.54	6	32	9.804-581.0	O-Ring 3.53 x 55.56	1
12*	See Kit	Valve Assembly	6	33	9.804-582.0	Needle Roller Bearing	1
13*	9.803-948.0	O-Ring Ø2.62 x 18.77	6	34	8.717-212.0	Engine Flange	1
14	9.803-949.0	Valve Plug	6	35	9.803-210.0	Spring Washer	4
15	9.803-950.0	Washer, Copper	1	36	9.804-584.0	Flange Screw	4
16	9.803-951.0	Brass Plug G1/4	1	37	9.803-142.0	Crankshaft Seal	1
17	9.803-952.0	Manifold Stud Bolt	8	38*	9.803-959.0	Plunger Nut	3
18	9.802-884.0	Washer	8	39*	See Kit	Plunger, 15mm	3

KG PUMP EXPLODED VIEW PARTS LIST (CONT)

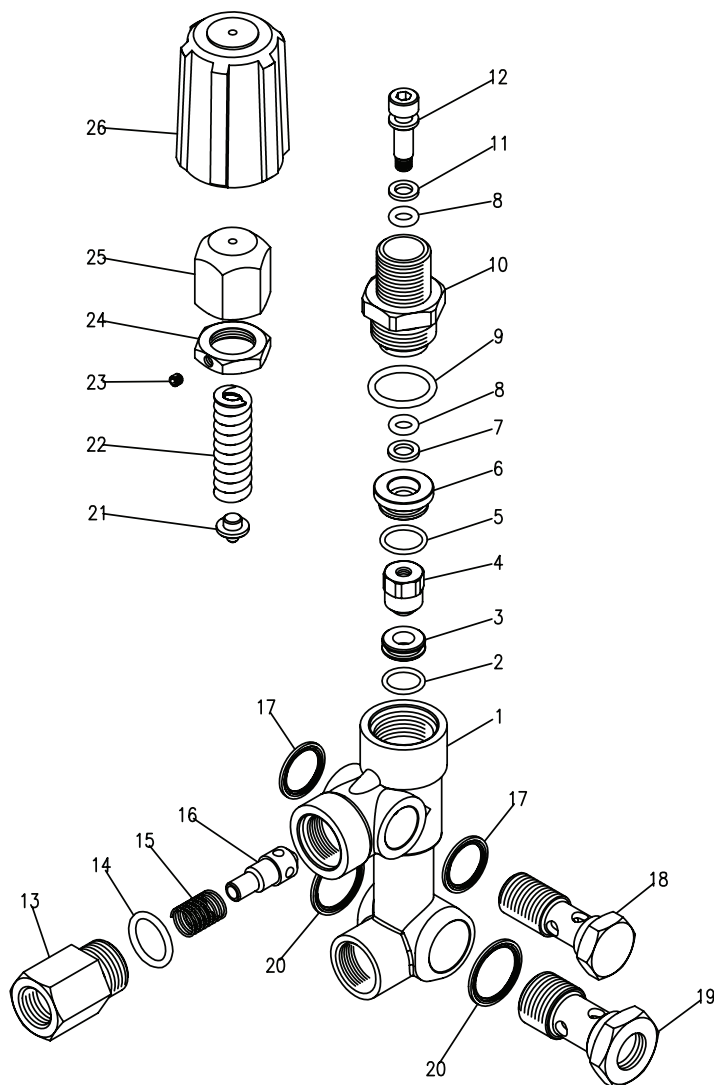
ITEM	PART NO.	DESCRIPTION	QTY
40*	9.803-962.0	Copper Spacer	3
41*	9.803-963.0	O-Ring Ø1.78x5.28	3
42*	9.803-156.0	Teflon Ring	3
43	9.803-964.0	Plunger Rod	3
44	9.803-965.0	Connecting Rod Pin	3
45	9.803-966.0	Connecting Rod	3
46	9.803-218.0	Spring Washer	6
47	8.933-020.0	Connecting Rod Screw	6
48	9.803-969.0	O-Ring 2.62 x 107.62	1
49	9.803-968.0	Crankcase Cover	1
50	9.803-197.0	Gasket, G3/8 Sightglass G3/8	1
51	9.803-202.0		1

* Part available in kit (See below)

REPAIR KIT NUMBER	9.803-930.0	9.803-932.0	9.803-934.0	9.803-936.0	9.803-937.0
KIT DESCRIPTION	Plunger Seal 15mm	Complete Seal Packing 15mm	Plunger 15mm	Complete Valve	Plunger Oil Seals
ITEM NUMBERS INCLUDED	3, 5, 6	2, 3, 4, 5, 6, 7	38, 39, 40, 41, 42	11, 12, 13	2
NUMBER OF CYLINDERS KIT WILL SERVICE	3	1	1	6	3

VBA35 UNLOADER EXPLODED VIEW

9.803-899.0 KG
25 LPM @ 240 BAR



VBA35 UNLOADER EXPLODED VIEW PARTS LIST

ITEM	PART #	DESCRIPTION	KIT	QTY	ITEM	PART #	DESCRIPTION	KIT	QTY
1	9.803-902.0	Body Valve (KG)		1	15	9.803-916.0	Spring	B	1
2	9.803-903.0	O-Ring	A, C	1	16	9.803-917.0	Poppet	B	1
3	9.803-904.0	Seat	C	1	17	9.802-893.0	Seal Washer 3/8		2
4	9.803-905.0	Ball, Sub-assy	C	1	18	9.803-920.0	Banjo Bolt, 3/8 w/ 1/8 Pilot		1
5	9.803-906.0	O-Ring	A	1	19	9.803-915.0	Banjo Bolt 1/2		1
6	9.803-907.0	Guide Bushing		1	20	9.803-921.0	Seal Washer 1/2		2
7	9.803-908.0	Teflon Ring	A	1	21	9.803-922.0	Plate	C	1
8	9.803-909.0	O-Ring	A	2	22	9.803-923.0	Spring	C	1
9	9.803-910.0	O-Ring	A	1	23	9.803-924.0	Set Screw		1
10	9.803-911.0	Connector		1	24	9.803-925.0	Nut		1
11	9.803-912.0	Teflon Ring	A	1	25	9.803-926.0	Brass Handle		1
12	9.803-913.0	Stem	C	1					
13	9.803-914.0	Connector, Female		1	Kit A	9.803-927.0	O-Ring Repair Kit		
14	9.803-191.0	O-Ring	A, B	1	Kit B	9.803-928.0	Outlet Kit		
					Kit C	9.803-929.0	Stem Repair Kit		

**LIMITED NEW PRODUCT
WARRANTY—COMMERCIAL
PRESSURE WASHERS**



KÄRCHER

Phone: 360-833-1600

Fax: 800-248-8409

www.karchercommercial.us

PRESSURE WASHER WARRANTY

WHAT THIS WARRANTY COVERS

All Kärcher commercial pressure washers are warranted by Kärcher to the original purchaser to be free from defects in materials and workmanship under normal use, for the periods specified below. This Limited Warranty, subject to the exclusions shown below, is calculated from the date of the original purchase, and applies to the original components only. Any parts replaced under this warranty will assume the remainder of the pressure washer's warranty period.

FIVE YEAR PARTS AND ONE YEAR LABOR WARRANTY

Components manufactured by Kärcher, such as frames, handles, float tanks, fuel tanks, belt guards, and heating coils. Internal components on the oil-end of Kärcher axial pumps have a 5 year warranty. Period of warranty on axial pumps shall be one year. Kärcher crankshaft pumps have a 7 year warranty on non-wear parts. Heating coils are pro-rated at 25% after 2 years. Stainless steel coils have a 10 year warranty.

ONE YEAR PARTS AND ONE YEAR LABOR WARRANTY

All other components, excluding normal wear items as described below, will be warranted for one year on parts and labor. Parts and labor warranty on these parts will be for one year regardless of the duration of the original component manufacturer's part warranty.

WARRANTY PROVIDED BY OTHER MANUFACTURERS

Motors, generators, and engines, which are warranted by their respective manufacturers, are serviced through these manufacturers' local authorized service centers. Kärcher is not authorized and has no responsibility to provide warranty service for such components. Motors manufactured outside of the United States will be warranted by Kärcher.

WHAT THIS WARRANTY DOES NOT COVER

This warranty does not cover the following items:

1. Normal wear items, such as nozzles, spray guns, discharge hoses, wands, quick couplers, seals, filters, gaskets, O-rings, packings, pistons, pump valve assemblies, strainers, belts, brushes, rupture disks, fuses, pump protectors.
2. Any components or other devices incorporated into a Kärcher product that are not manufactured by Kärcher, including, but not limited to gasoline engines, pumps, etc.
3. Defects caused by improper or negligent operation or installation, accident, abuse, misuse, neglect, unauthorized modifications, repair or maintenance of the product by persons other than authorized representatives of Kärcher, including, but not limited to, the failure of the Customer to comply with recommended product maintenance schedules.
4. Kärcher products that have been returned by the original Customer and are ultimately re-sold by an Authorized Servicing Dealer or other sales or service outlet to another purchaser.
5. Kärcher products that are sold by any distributor or retailer that is not an official authorized dealer or retailer of Kärcher products.
6. Defects caused by acts of nature and disaster including, but not limited to, floods, fires, wind, freezing, earthquakes, tornadoes, hurricanes and lightning strikes.
7. Defects caused by water sediments, rust corrosion, thermal expansion, scale deposits or a contaminated water supply (such as water in the unit with chloride content higher than that of 80 mg/liter or use of chemicals not approved or recommended by Kärcher).
8. Defects caused by improper voltage, voltage spikes or power transients in the electrical supply.
9. Devices or accessories not distributed or approved by Kärcher.
10. Any cost of labor arising from the removal and reinstallation of the alleged defective part by Customer.
11. Transportation of the product to an Authorized Servicing Dealer, field labor, replacement rental and any freight charges.

Any components, accessories or other devices provided with the product but not manufactured by Kärcher (such as engines, pumps, etc.) are subject to warranties and service through their respective manufacturers authorized service centers and according to the applicable terms and conditions of such manufacturers warranties. Such components or other devices not manufactured by Kärcher should be referred by the Customer to an authorized service center or their respective manufacturers for repair or replacement.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND, WHETHER ARISING BY LAW, CUSTOM OR CONDUCT. KÄRCHER MAKES NO ADDITIONAL WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS OF EQUIPMENT FOR A PARTICULAR PURPOSE AND ANY SUCH WARRANTIES ARE EXPRESSLY DISCLAIMED. KÄRCHER FURTHER DISCLAIMS ANY WARRANTY THAT THE PRODUCT PURCHASED BY CUSTOMER WILL MEET ANY PARTICULAR REQUIREMENT OF CUSTOMER EVEN IF KÄRCHER HAS BEEN ADVISED OF SUCH REQUIREMENT.

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The purpose of the foregoing limitations on liability and Customer remedies is to protect Kärcher from unknown or undeterminable risks. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to the Customer.

Kärcher sales and service representatives are not authorized to waive or alter the terms of this warranty, or to increase the obligations of Kärcher under the warranty.

Kärcher reserves the right to make design changes in any of its products without prior notification to the Customer.