

PARTS & SERVICE NEWS

REF NO.	AA97171
DATE	OCT 9, 1997

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SUBJECT: HYDRAULIC CYLINDER ASSEMBLIES

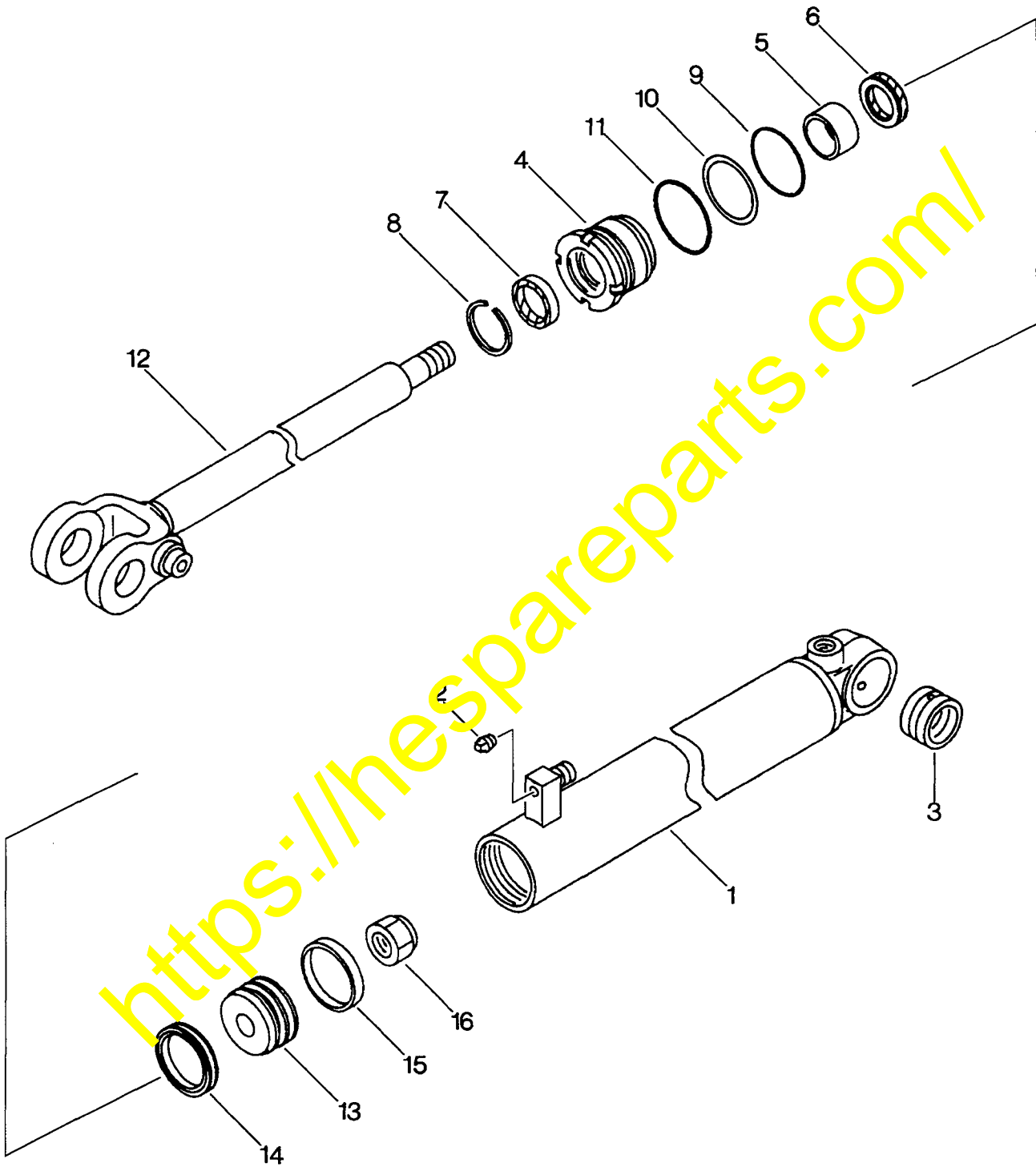
PURPOSE: TO RELEASE SERVICE PART NUMBERS FOR HYDRAULIC ASSEMBLIES

APPLICATION: WA320-3 Wheel Loader - Serial Number A30001 and up
WA380-3 Wheel Loader - Serial Number A50001 and up
WA420-3 Wheel Loader - Serial Number A30001 and up
WA450-3 Wheel Loader - Serial Number A30001 and up

DESCRIPTION: To provide service parts for the hydraulic cylinder assemblies.

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CYLINDER ASSEMBLY - WA320
STEERING



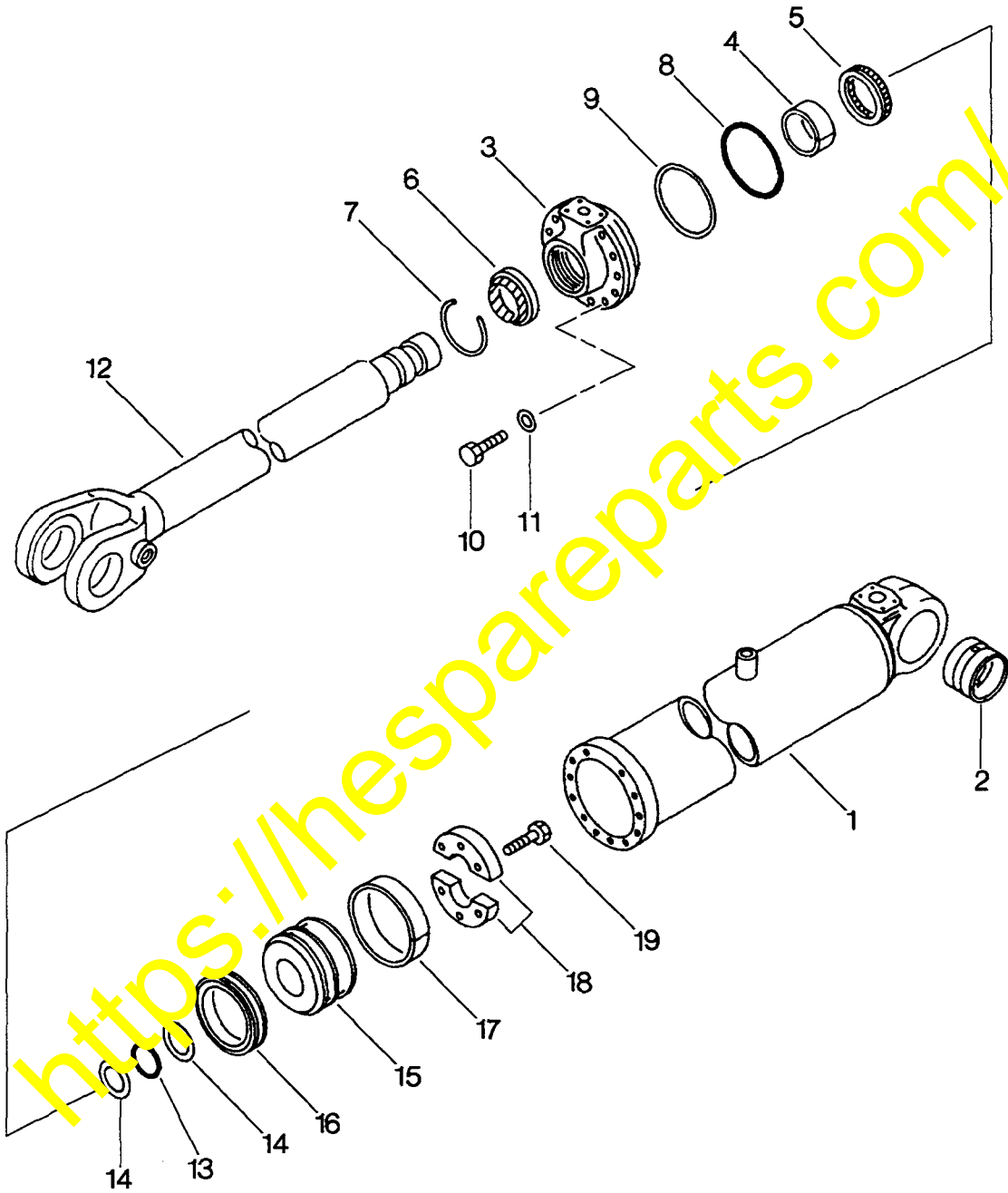
L10BR001

CYLINDER ASSEMBLY - WA320
STEERING

Item	Part Number	Description	Qty.	Ref.
	707-00-01350	CYLINDER ASSEMBLY, STEERING	2	
1	707-11-70190	.CYLINDER	1	
2	07042-20108	.PLUG	1	
3	707-76-40020	.BUSHING	1	
4	707-29-70730	.HEAD, CYLINDER	1	
5	07177-04025	.BUSHING	1	
6	707-51-40030	.ROD, PACKING	1	F1
7	198-63-75190	.SEAL, DUST	1	F1
8	07179-12052	.RING, SNAP	1	
9	07000-12065	.O-RING	1	F1
10	07146-02066	.RING, BACK-UP	1	F1
11	07000-02070	.O-RING	1	F1
12	707-59-40090	.ROD, PISTON	1	
13	707-36-70160	.PISTON	1	
14	707-44-70180	.RING, PISTON	1	F1
15	07156-00710	.RING, WEAR	1	F1
16	07165-12426	.NUT	1	
N/I	707-99-14610	SERVICE KIT, STEERING CYLINDER	1	

F1 - INCLUDED IN SERVICE KIT 707-99-14610.

CYLINDER ASSEMBLY - WA320
LIFT ARM



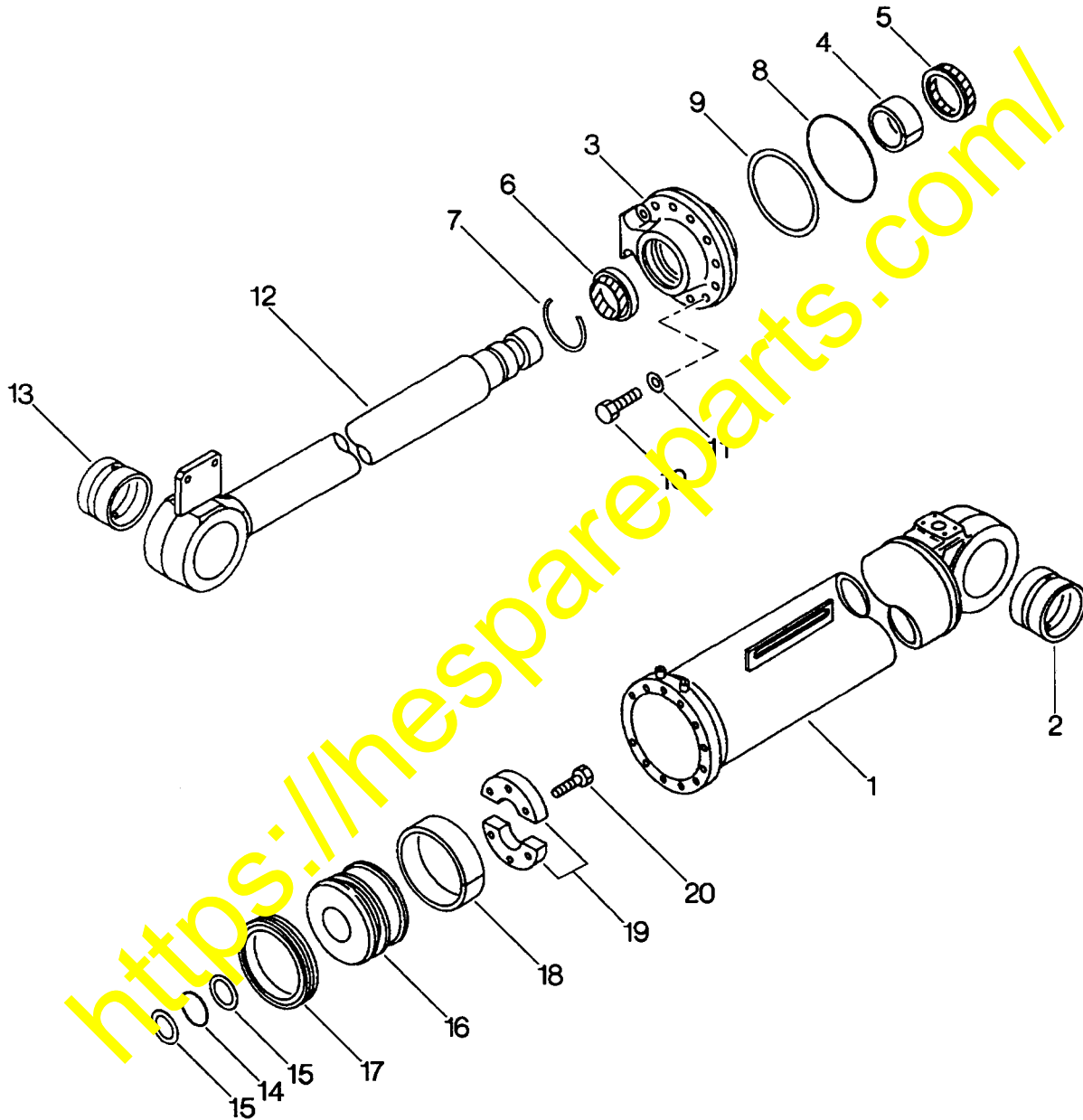
L10BR014

CYLINDER ASSEMBLY - WA320
LIFT ARM

Item	Part Number	Description	Qty.	Ref.
	707-01-03510	CYLINDER ASSEMBLY, LIFT ARM	2	
1	707-13-14360	.CYLINDER	1	
2	707-76-75030	.BUSHING	1	
3	707-27-14050	.HEAD, CYLINDER	1	
4	707-52-10750	.BUSHING	1	
5	707-51-75030	.PACKING, ROD	1	F1
6	144-63-94170	.SEAL, DUST	1	F1
7	07179-13089	.RING, SNAP	1	
8	07000-12135	.O-RING	1	F1
9	07146-02136	.RING, BACK-UP	1	F1
10	01010-81455	.BOLT	12	
11	01643-31445	.WASHER	12	
12	707-59-75020	.ROD, PISTON	1	
13	07000-12060	.O-RING	1	F1
14	707-35-52900	.RING, BACK-UP	2	F1
15	707-36-14210	.PISTON	1	
16	707-44-14180	.RING, PISTON	1	F1
17	07156-01417	.RING, WEAR	1	F1
18	707-40-16170	.SPACE	2	
19	01010-31240	.BOLT	6	
N/I	707-99-53100	SERVICE KIT, LIFT ARM CYLINDER	1	

F1 - INCLUDED IN SERVICE KIT 707-99-53100.

DUMP CYLINDER ASSEMBLY - WA320
STANDARD



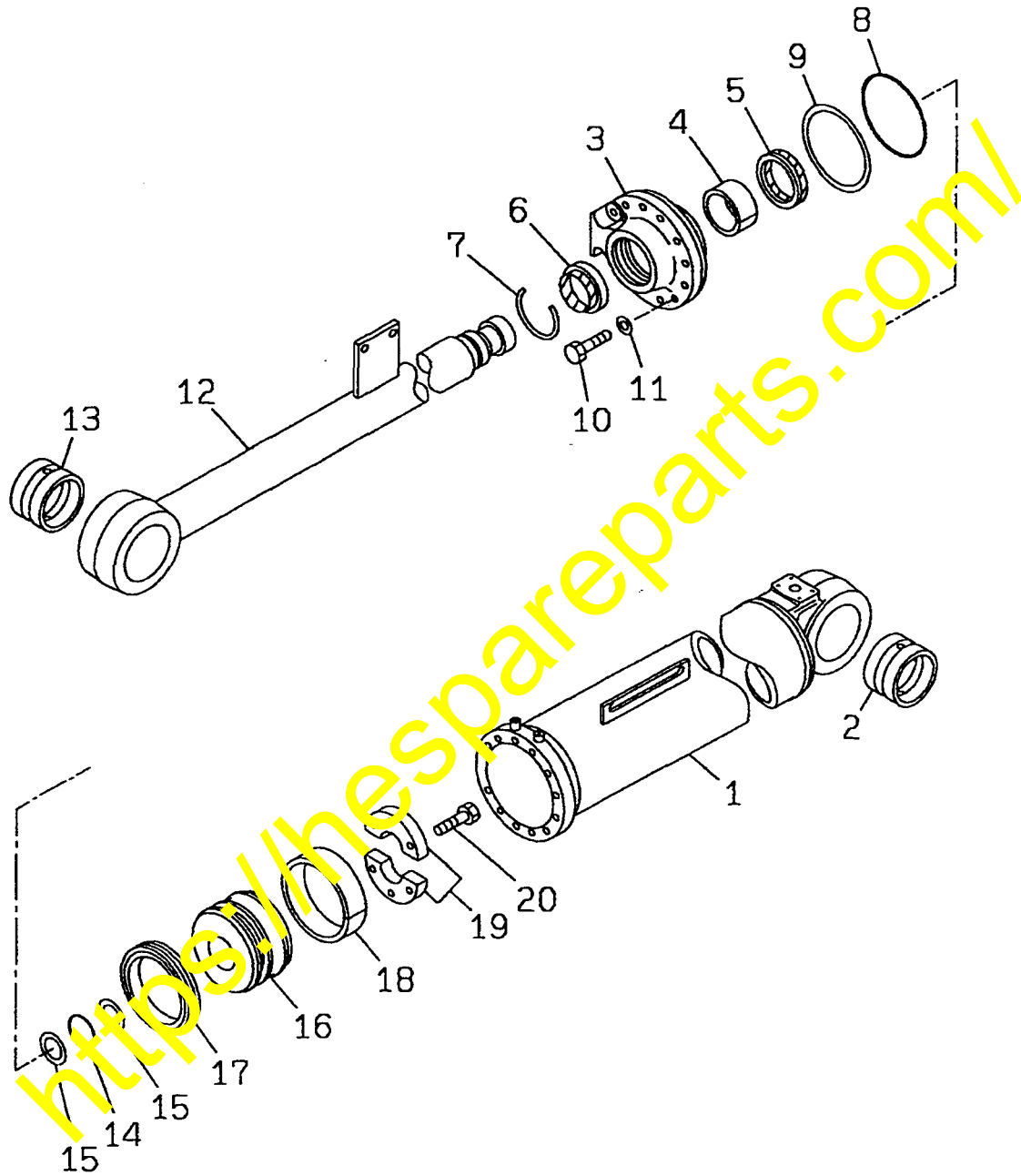
L10BR015

DUMP CYLINDER ASSEMBLY - WA320
STANDARD

Item	Part Number	Description	Qty.	Ref.
	707-01-03720	CYLINDER ASSEMBLY, DUMP	1	
1	707-13-16470	.CYLINDER	1	
2	707-76-95050	.BUSHING	1	
3	707-27-16830	.HEAD, CYLINDER	1	
4	07177-08040	..BUSHING	1	
5	707-51-80030	.PACKING, ROD	1	F1
6	195-63-92190	.SEAL, DUST	1	F1
7	07179-13094	.RING, SNAP	1	
8	07000-15150	.O-RING	1	F1
9	07146-05152	.RING, BACK-UP	1	F1
10	01010-81660	.BOLT	12	
11	01643-51645	.WASHER	12	
12	707-58-80410	.ROD, PISTON	1	
13	707-76-95050	..BUSHING	1	
14	07000-12060	.O-RING	1	F1
15	707-35-52900	.RING, BACK-UP	2	F1
16	707-36-16400	.PISTON	1	
17	707-44-16180	.RING, PISTON	1	F1
18	07156-01620	.RING, WEAR	1	F1
19	707-40-16170	.SPACER	2	
20	01010-31240	BOLT	6	
N/I	707-99-62020	SERVICE KIT, DUMP CYLINDER	1	

F1 - INCLUDED IN SERVICE KIT 707-99-62020.

DUMP CYLINDER ASSEMBLY - WA320
HI-LIFT



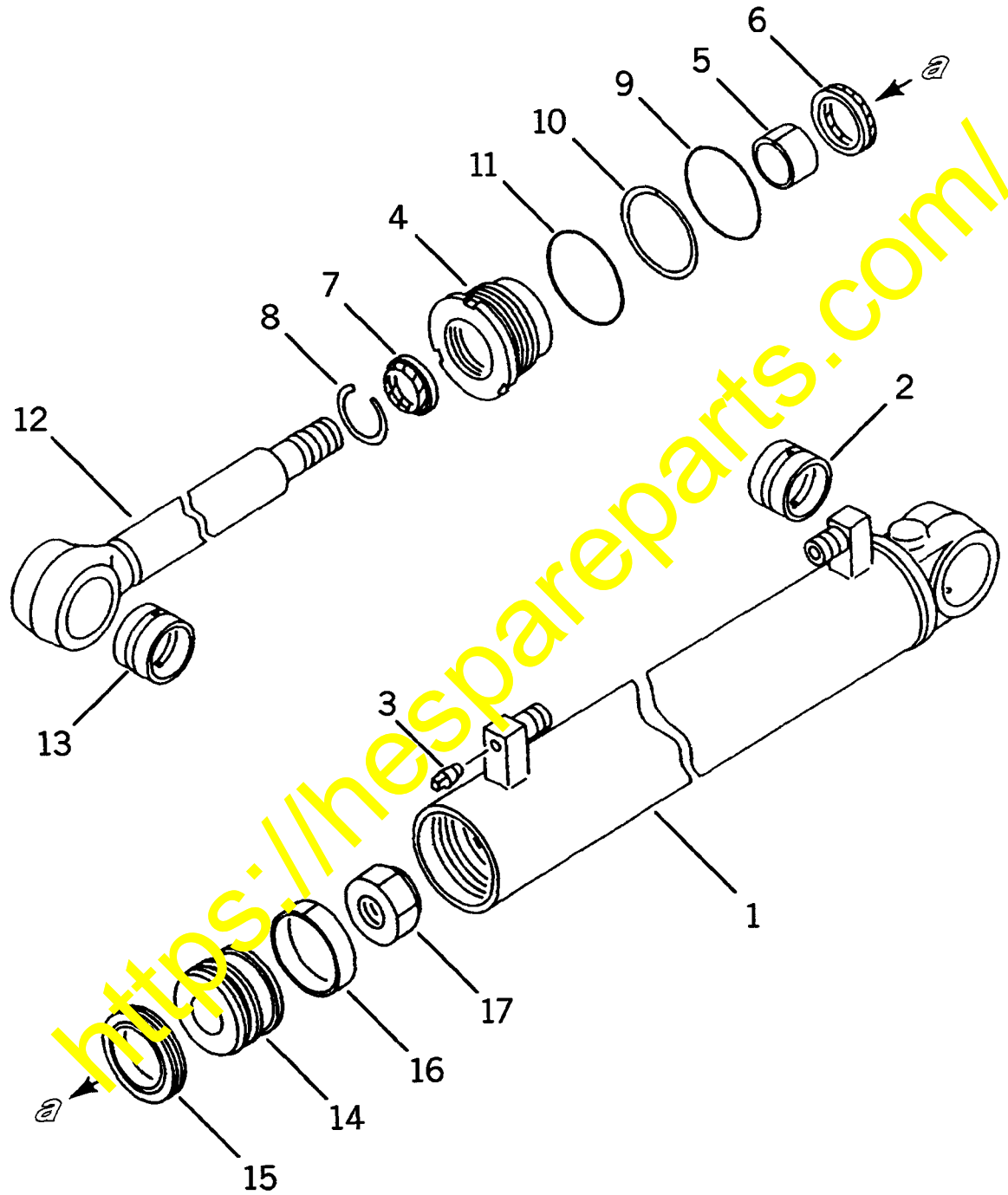
L10BR141

DUMP CYLINDER ASSEMBLY - WA320
HI-LIFT

Item	Part Number	Description	Qty.	Ref.
	707-01-02440	CYLINDER ASSY, HI-LIFT DUMP	1	
1	NSS	.CYLINDER	1	
2	707-76-95050	.BUSHING	1	
3	NSS	.HEAD, CYLINDER	1	
4	07177-08040	.BUSHING	1	
5	707-51-80030	.PACKING, ROD	1	F1
6	195-63-92190	.SEAL, DUST	1	F1
7	07179-13094	.RING, SNAP	1	
8	07000-15150	.O-RING	1	F1
9	07146-05152	.RING, BACK-UP	1	F1
10	01010-81660	.BOLT	12	
11	01643-51645	.WASHER	12	
12	707-58-80450	.ROD, PISTON	1	
13	707-76-95050	.BUSHING	1	
14	07000-12060	.O-RING	1	F1
15	707-35-52900	.RING, BACK-UP	2	F1
16	707-36-16400	.PISTON	1	
17	707-44-16180	.RING, PISTON	1	F1
18	07156-01620	.RING, WEAR	1	F1
19	707-40-16170	.SPACER	2	
20	01010-31240	BOLT	6	
N/I	707-99-62060	KIT, SERVICE	1	

F1 - PARTS CONTAINED IN SERVICE KIT 707-99-62060.

CYLINDER ASSEMBLY - WA380
STEERING



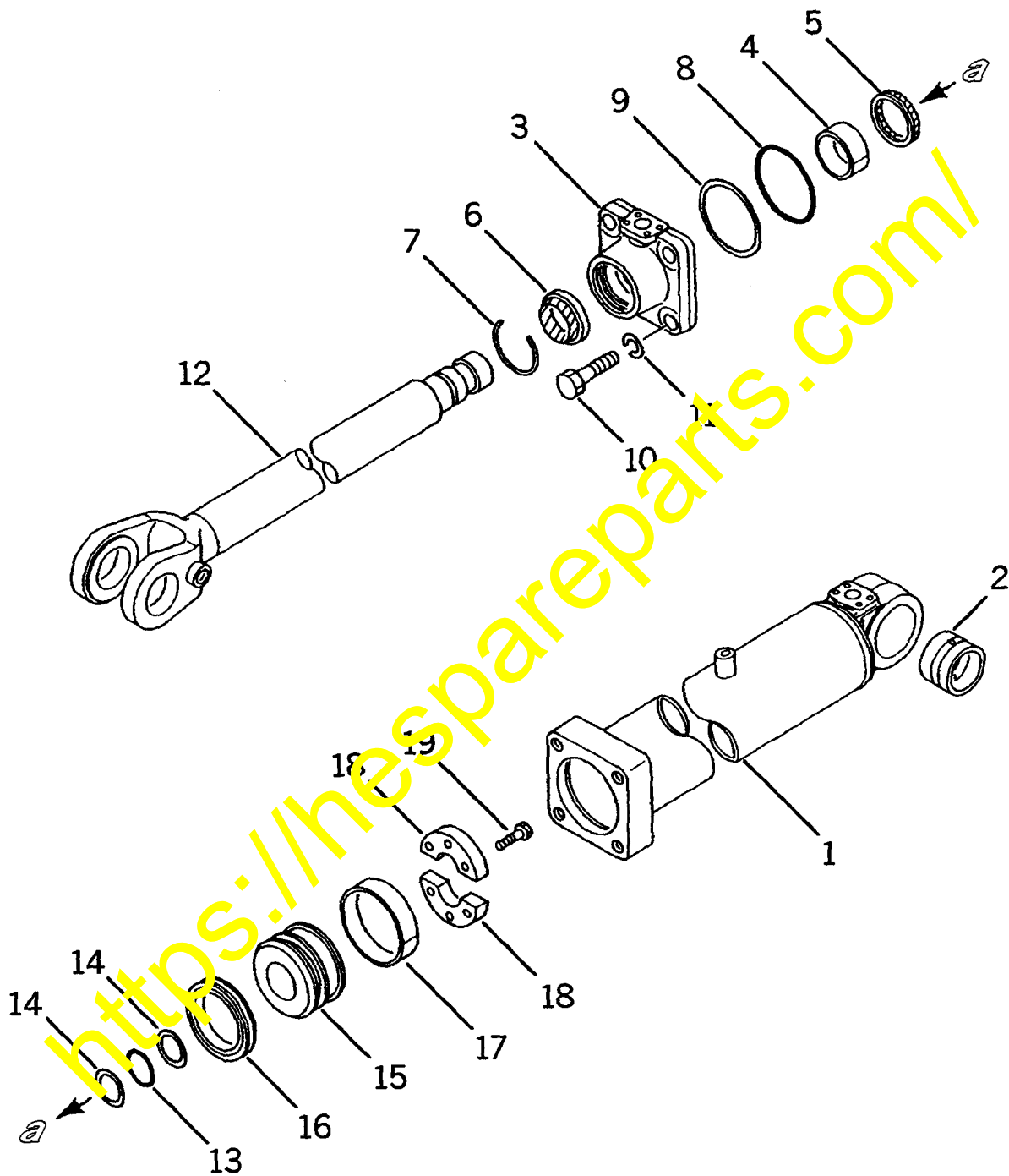
L10BR016

CYLINDER ASSEMBLY - WA380
STEERING

Item	Part Number	Description	Qty.	Ref.
	707-00-01800	CYLINDER ASSEMBLY, STEERING	2	
1	707-11-80330	.CYLINDER	1	
2	707-76-50240	.BUSHING	1	
3	07042-20108	.PLUG	1	
4	707-29-80730	.HEAD, CYLINDER	1	
5	07177-04530	.BUSHING	1	
6	707-51-45030	.PACKING, ROD	1	
7	11263-15370	.SEAL, DUST	1	F1
8	07179-12057	.RING, SNAP	1	
9	07000-12075	.O-RING	1	F1
10	07146-02076	.RING, BACK-UP	1	F1
11	07000-02080	.O-RING	1	F1
12	707-58-45140	.ROD, PISTON	1	
13	707-76-50240	.BUSHING	1	
14	707-36-80230	.PISTON	1	
15	707-44-80180	.RING, PISTON	1	F1
16	07156-00810	.RING, WEAR	1	F1
17	07165-13033	.NUT	1	
	707-99-24120	SERVICE KIT, STEERING CYLINDER	1	

F1 - INCLUDED IN SERVICE KIT 707-99-24120.

LIFT ARM CYLINDER ASSEMBLY - WA380
STANDARD LIFT



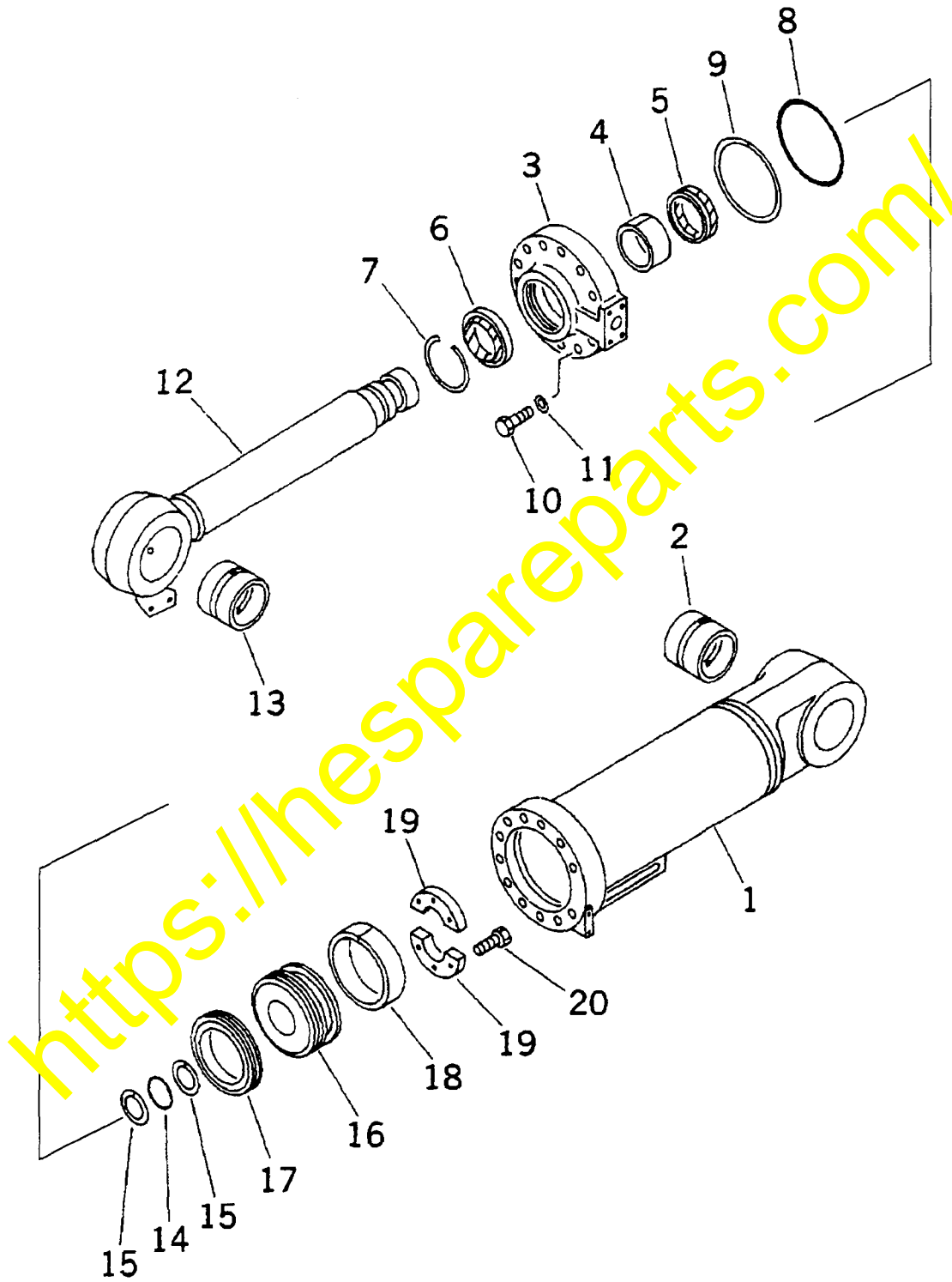
L10BR017

LIFT ARM CYLINDER ASSEMBLY - WA380
STANDARD LIFT

Item	Part Number	Description	Qty.	Ref.
	707-01-01080	CYLINDER ASSEMBLY, LIFT ARM	2	
1	707-13-16260	.CYLINDER	1	
2	707-76-95040	.BUSHING	1	
3	707-27-16390	.HEAD, CYLINDER	1	
4	07177-09035	.BUSHING	1	
5	707-51-90030	.PACKING, ROD	1	F1
6	195-63-94170	.SEAL, DUST	1	F1
7	07179-13104	.RING, SNAP	1	
8	07000-15150	.O-RING	1	F1
9	07146-05152	.RING, BACK-UP	1	F1
10	01010-82790	.BOLT	4	
11	01602-22783	.WASHER	4	
12	707-59-90210	.ROD, PISTON	1	
13	07000-12070	.O-RING	1	F1
14	707-35-52910	.RING, BACK-UP	2	F1
15	707-36-16230	.PISTON	1	
16	707-44-16180	.RING, PISTON	1	F1
17	07155-01640	.RING, WEAR	1	F1
18	707-40-18070	.SPACER	2	
19	01010-31240	.BOLT	6	
	707-99-64040	SERVICE KIT, LIFT ARM CYLINDER	1	

F1 - INCLUDED IN SERVICE KIT 707-99-64040.

DUMP CYLINDER ASSEMBLY - WA380
STANDARD



L10BR125

DUMP CYLINDER ASSEMBLY - WA380
STANDARD

Item	Part Number	Description	Qty.	Ref.
	707-01-03290	CYLINDER ASSEMBLY, BUCKET DUMP	1	
1	707-13-18270	.CYLINDER	1	
2	707-76-11010	.BUSHING	1	
3	707-27-18760	.HEAD, CYLINDER	1	
4	707-52-10910	.BUSHING	1	
5	707-51-90030	.PACKING, ROD	1	F1
6	195-63-94170	.SEAL, DUST	1	F1
7	07179-13104	.RING, SNAP	1	
8	07000-15170	.O-RING	1	F1
9	07146-05172	.RING, BACK-UP	1	F1
10	01010-81865	.BOLT	12	
11	01643-31845	.WASHER	12	
12	707-58-90390	.ROD, PISTON	1	
13	707-76-11010	.BUSHING	1	
14	07000-12070	.O-RING	1	F1
15	707-35-52910	.RING, BACK-UP	2	F1
16	707-36-18400	.PISTON	1	
17	707-44-18180	.RING, PISTON	1	F1
18	07156-01822	.RING, WEAR	1	F1
19	707-40-18070	.SPACER	2	
20	01010-31240	.BOLT	6	
	707-99-64410	SERVICE KIT, BUCKET DUMP CYLINDER	1	

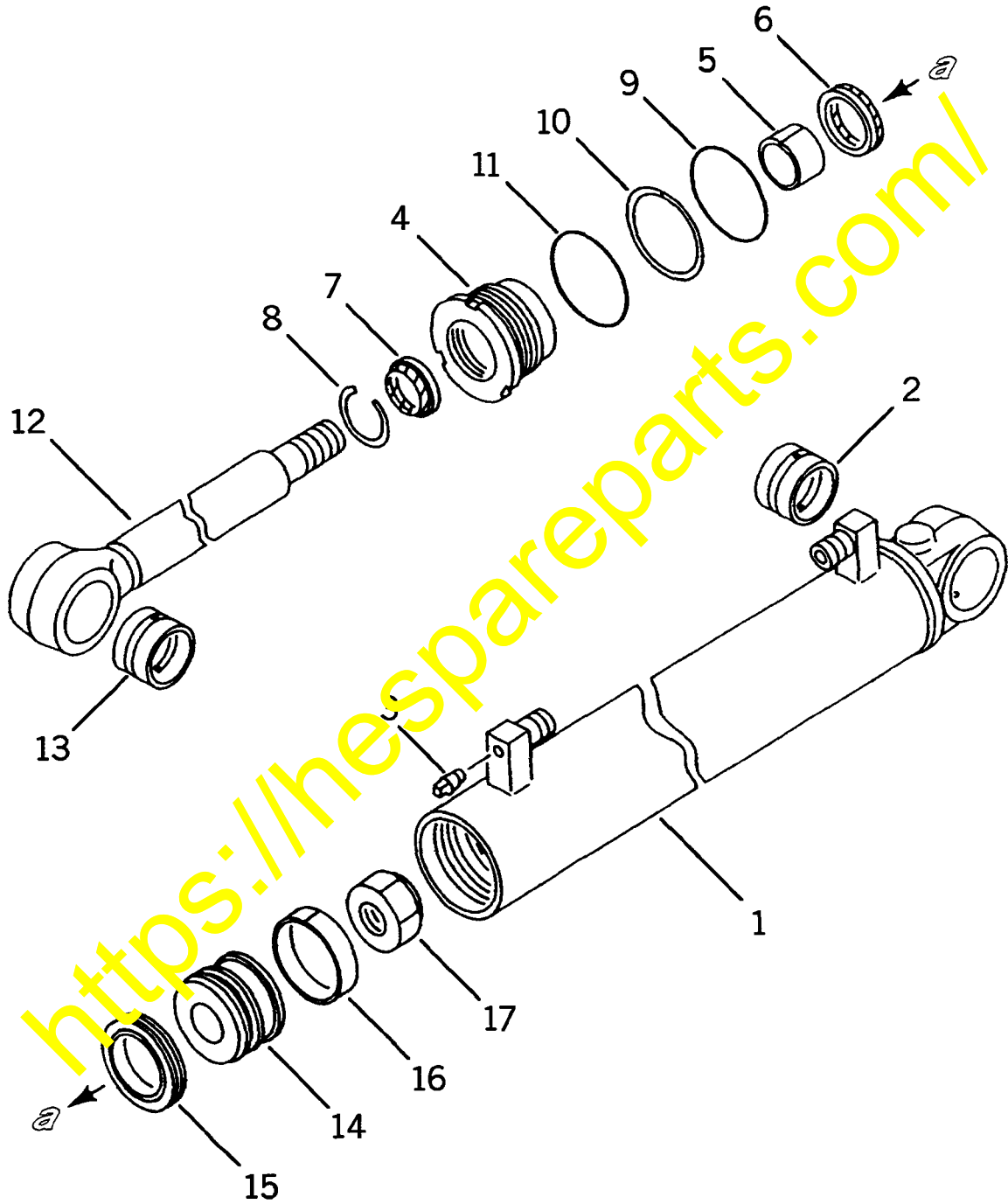
F1 - INCLUDED IN SERVICE KIT 707-99-64410.

DUMP CYLINDER ASSY - WA380
HI-LIFT

Item	Part Number	Description	Qty.	Ref.
	707-01-02210	CYLINDER ASSY, HI-LIFT DUMP	1	
1	707-13-18270	.CYLINDER	1	
2	707-76-11010	.BUSHING	1	
3	707-27-18760	.HEAD, CYLINDER	1	
4	707-52-10910	.BUSHING	1	
5	707-51-90030	.PACKING, ROD	1	F1
6	195-63-94170	.SEAL, DUST	1	F1
7	07179-13104	.RING, SNAP	1	
8	07000-15170	.O-RING	1	F1
9	07146-05172	.RING, BACK-UP	1	F1
10	01010-81865	.BOLT	12	
11	01643-31845	.WASHER	12	
12	707-58-90460	.ROD, PISTON	1	
13	707-76-11010	.BUSHING	1	
14	07000-12070	.O-RING	1	F1
15	707-35-52910	.RING, BACK-UP	2	F1
16	707-36-18400	.PISTON	1	
17	707-44-18180	.RING, PISTON	1	F1
18	07156-01822	.RING, WEAR	1	F1
19	707-40-18070	.SPACER	2	
20	01010-31240	.BOLT	6	
	707-99-64410	KIT, SERVICE	1	

F1 - PARTS CONTAINED IN SERVICE KIT 707-99-64410.

CYLINDER ASSEMBLY - WA420
STEERING



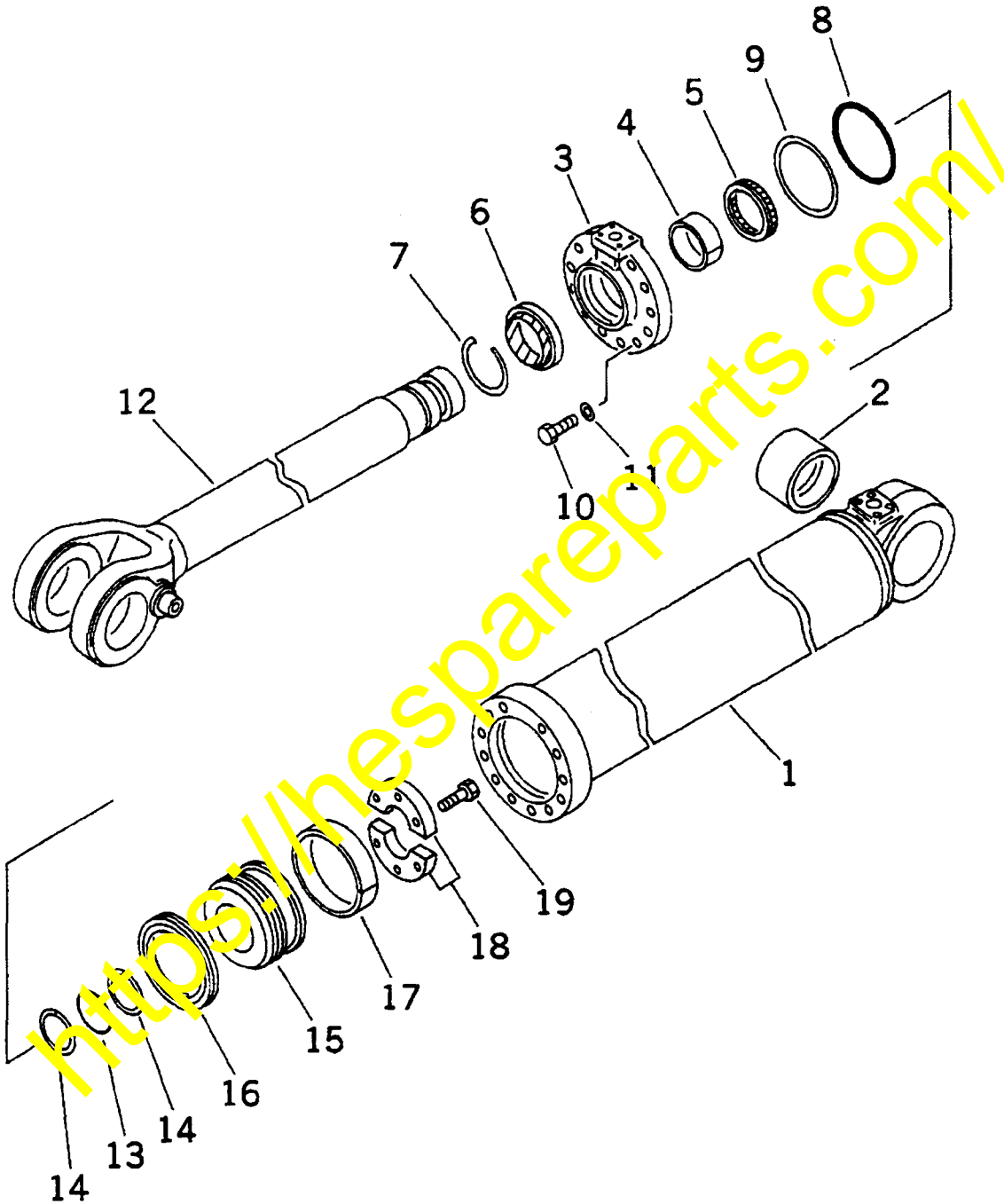
L10BR016

CYLINDER ASSEMBLY - WA420
STEERING

Item	Part Number	Description	Qty.	Ref.
	707-00-01820	CYLINDER ASSEMBLY, STEERING	2	
1	707-11-90120	.CYLINDER	1	
2	707-76-50240	.BUSHING	1	
3	07042-20108	.PLUG	1	
4	707-29-90720	.HEAD, CYLINDER	1	
5	07177-04530	.BUSHING	1	
6	707-51-45030	.PACKING, ROD	1	F1
7	112-63-15370	.SEAL, DUST	1	F1
8	07179-12057	.RING, SNAP	1	
9	07000-12085	.O-RING	1	F1
10	07146-02086	.RING, BACK-UP	1	F1
11	07000-02090	.O-RING	1	F1
12	707-58-45130	.ROD, PISTON	1	
13	707-76-50240	.BUSHING	1	
14	707-36-90360	.PISTON	1	
15	707-44-90180	.RING, PISTON	1	F1
16	07156-00912	.RING, WEAR	1	F1
17	07165-13336	.NUT	1	
	707-99-24510	SERVICE KIT, STEERING CYLINDER	1	

F1 - INCLUDED IN SERVICE KIT 707-99-24510.

CYLINDER ASSEMBLY - WA420
LIFT ARM



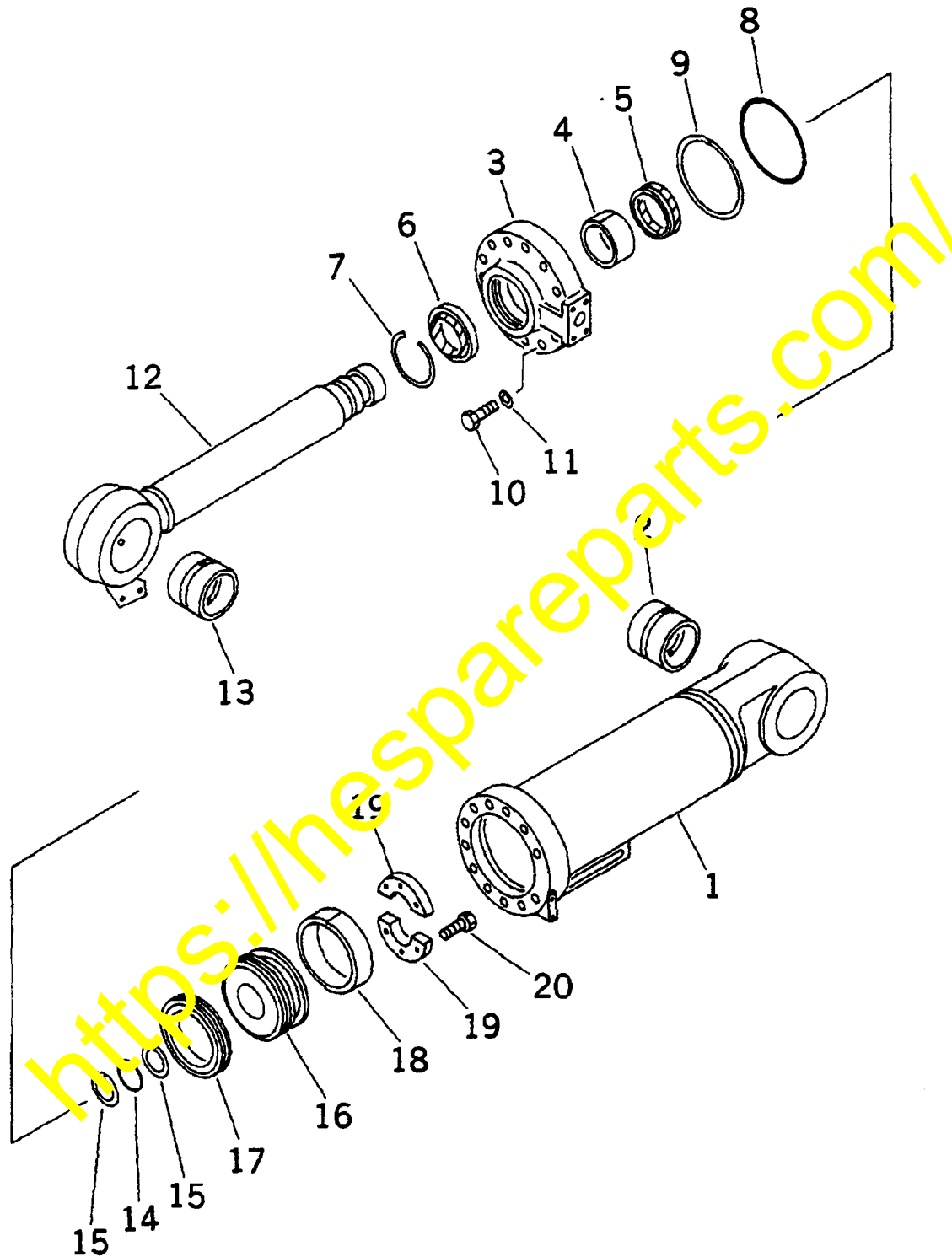
L10BR131

CYLINDER ASSEMBLY - WA420
LIFT ARM

Item	Part Number	Description	Qty.	Ref.
	707-01-03081	CYLINDER ASS'Y,LIFT	2	
1	707-13-16251	.CYLINDER	1	
2	707-76-95040	.BUSHING	1	
3	707-27-16810	.HEAD,CYLINDER	1	
4	707-52-10910	.BUSHING	1	
5	707-51-90030	.PACKING,ROD,	1	F1
6	195-63-94170	.SEAL,DUST,	1	F1
7	07179-13104	.RING,SNAP	1	
8	07000-15150	.O-RING,	1	F1
9	07146-05152	.RING,BACK-UP,	1	F1
10	01010-81660	.BOLT	12	
11	01643-51645	.WASHER	12	
12	707-59-90222	.ROD,PISTON	1	
13	07000-12070	.O-RING,	1	F1
14	707-35-52910	.RING,BACK-UP,	2	F1
15	707-36-16410	.PISTON	1	
16	707-44-16180	.RING,PISTON,	1	F1
17	07156-01620	.RING,WEAR	1	F1
18	707-40-18070	.SPACE	2	
19	01010-31240	.BOLT	6	
	707-99-64030	SERVICE KIT	1	

F1 - INCLUDED IN SERVICE KIT 707-99-64030.

CYLINDER ASSEMBLY - WA420
BUCKET LIFT



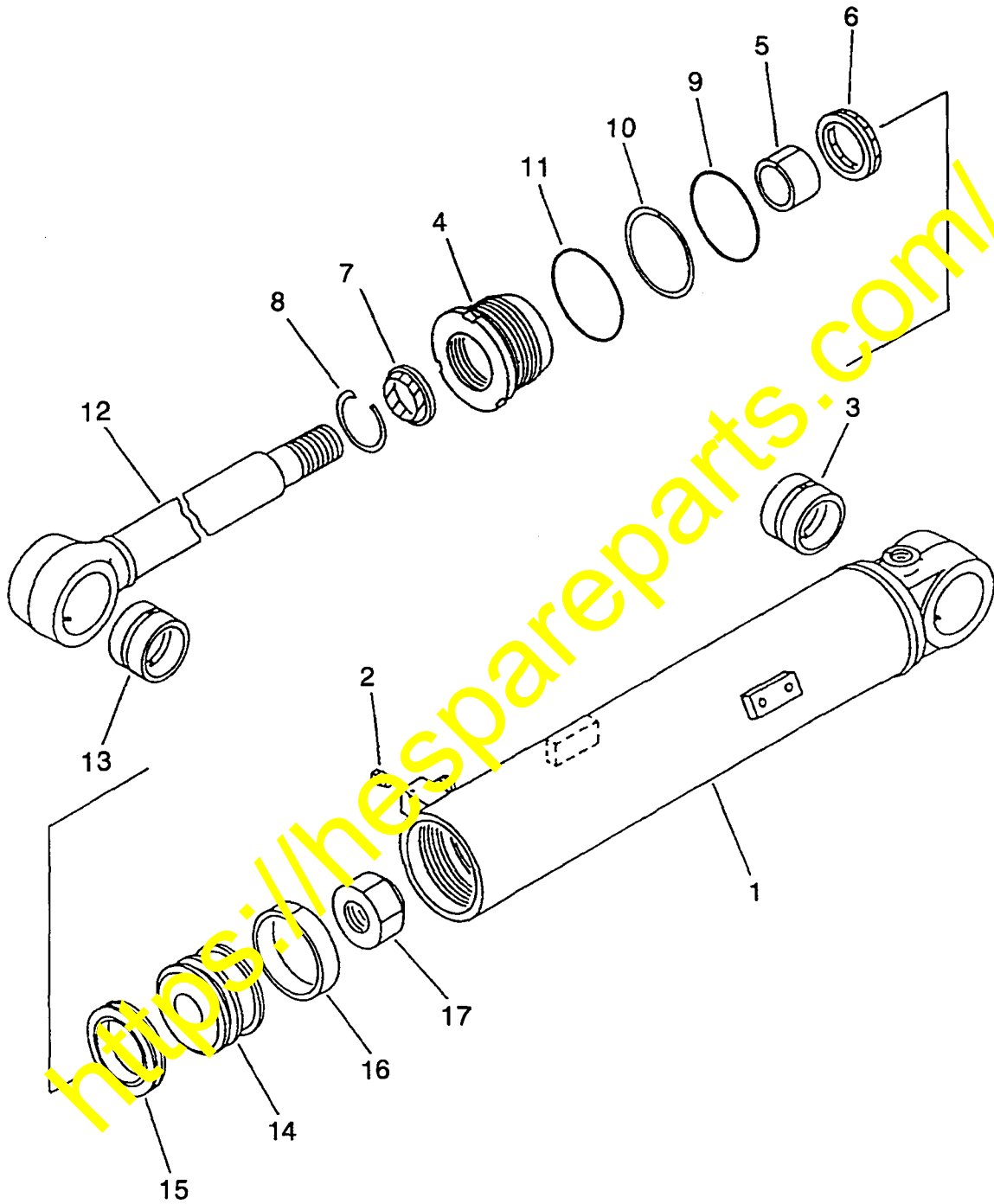
L10BR132

CYLINDER ASSEMBLY - WA420
BUCKET LIFT

Item	Part Number	Description	Qty.	Ref.
	707-01-03272	CYLINDER ASS'Y	1	
1	707-13-20392	.CYLINDER	1	
2	707-76-11050	.BUSHING	1	
3	707-27-20250	.HEAD, CYLINDER	1	
4	707-52-11010	.BUSHING	1	
5	707-51-10030	.PACKING, ROD,	1	F1
6	176-63-56170	.SEAL, DUST,	1	F1
7	07179-13114	.RING, SNAP	1	
8	07000-15190	.O-RING	1	
9	07146-05192	.RING, BACK-UP	1	
10	01010-82075	.BOLT	12	
11	01643-32060	.WASHER	12	
12	707-58-10262	.ROD, PISTON	1	
13	707-76-11050	.BUSHING	1	
14	07000-12080	.O-RING,	1	F1
15	707-35-52920	.RING, BACK-UP,	2	F1
16	707-36-20400	.PISTON	1	
17	707-44-20180	.RING, PISTON,	1	F1
18	07156-02022	.RING, WEAR,	1	F1
19	707-40-20030	.SPACER	2	
20	01010-31245	.BOLT	6	
	707-99-73020	SERVICE KIT	1	

S F1 - INCLUDED IN SERVICE KIT 707-99-73020

CYLINDER ASSEMBLY - WA450
STEERING - L.H.



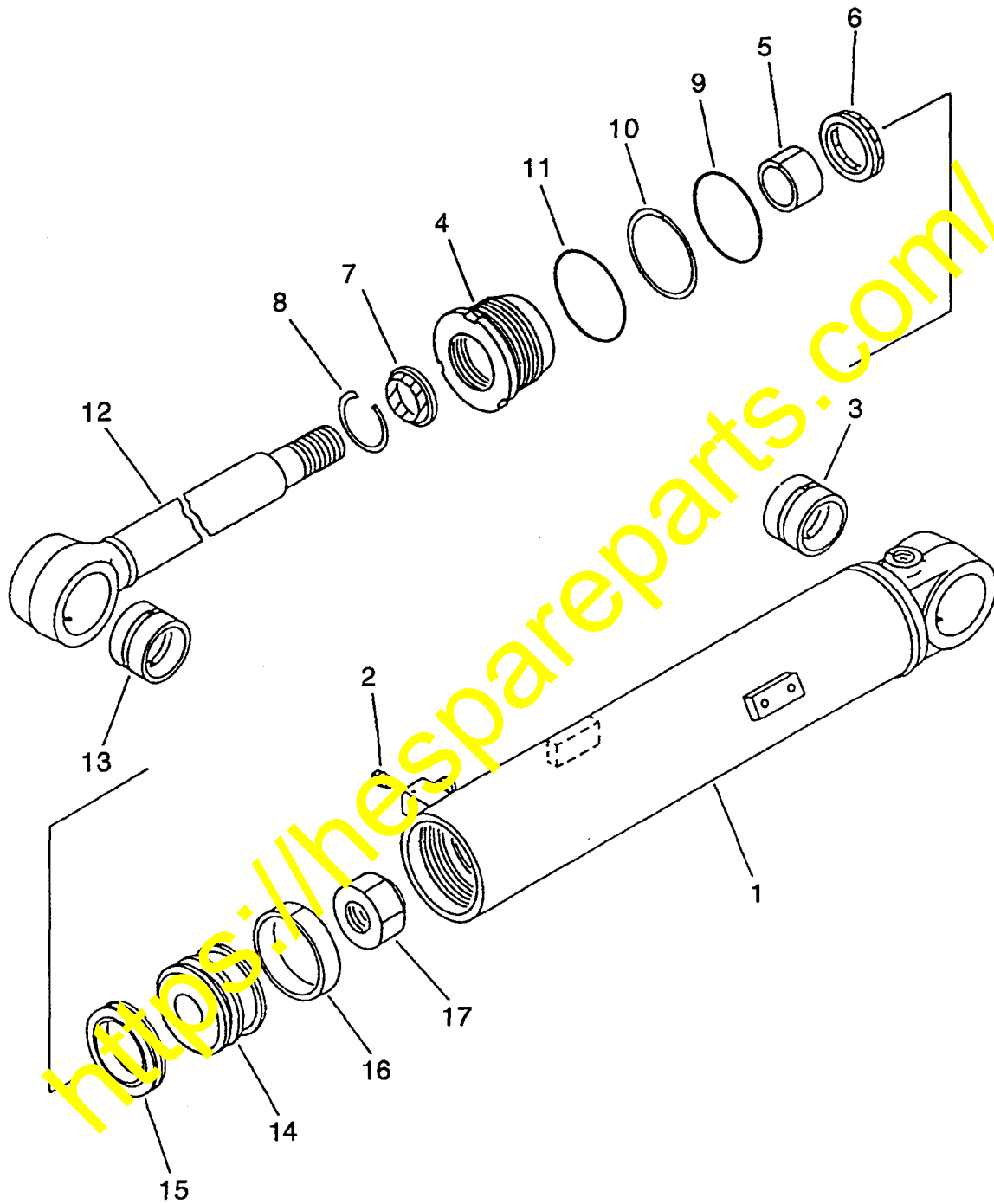
L10BR004

CYLINDER ASSEMBLY - WA450
STEERING - L.H.

Item	Part Number	Description	Qty.	Ref.
	707-00-01840	CYLINDER ASSEMBLY, L.H.	1	
1	707-11-10380	.CYLINDER, L.H.	1	
2	07042-20108	.PLUG	1	
3	707-76-55120	.BUSHING	1	
4	707-29-10830	.HEAD, CYLINDER	1	
5	07177-05030	.BUSHING	1	
6	707-51-50030	.PACKING, ROD	1	
7	176-63-92240	.SEAL, DUST	1	
8	07179-12062	.RING, SNAP	1	
9	07000-12095	.O-RING	1	
10	07146-02096	.RING, BACK-UP	1	
11	07000-02100	.O-RING	1	
12	707-58-50290	.ROD, PISTON	1	
13	707-76-55120	.BUSHING	1	
14	707-36-10340	.PISTON	1	
15	707-44-10080	.RING, PISTON	1	
16	07156-01012	.RING, WEAR	1	
17	07165-13638	.NUT	1	

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CYLINDER ASSEMBLY - WA450
STEERING - R.H.



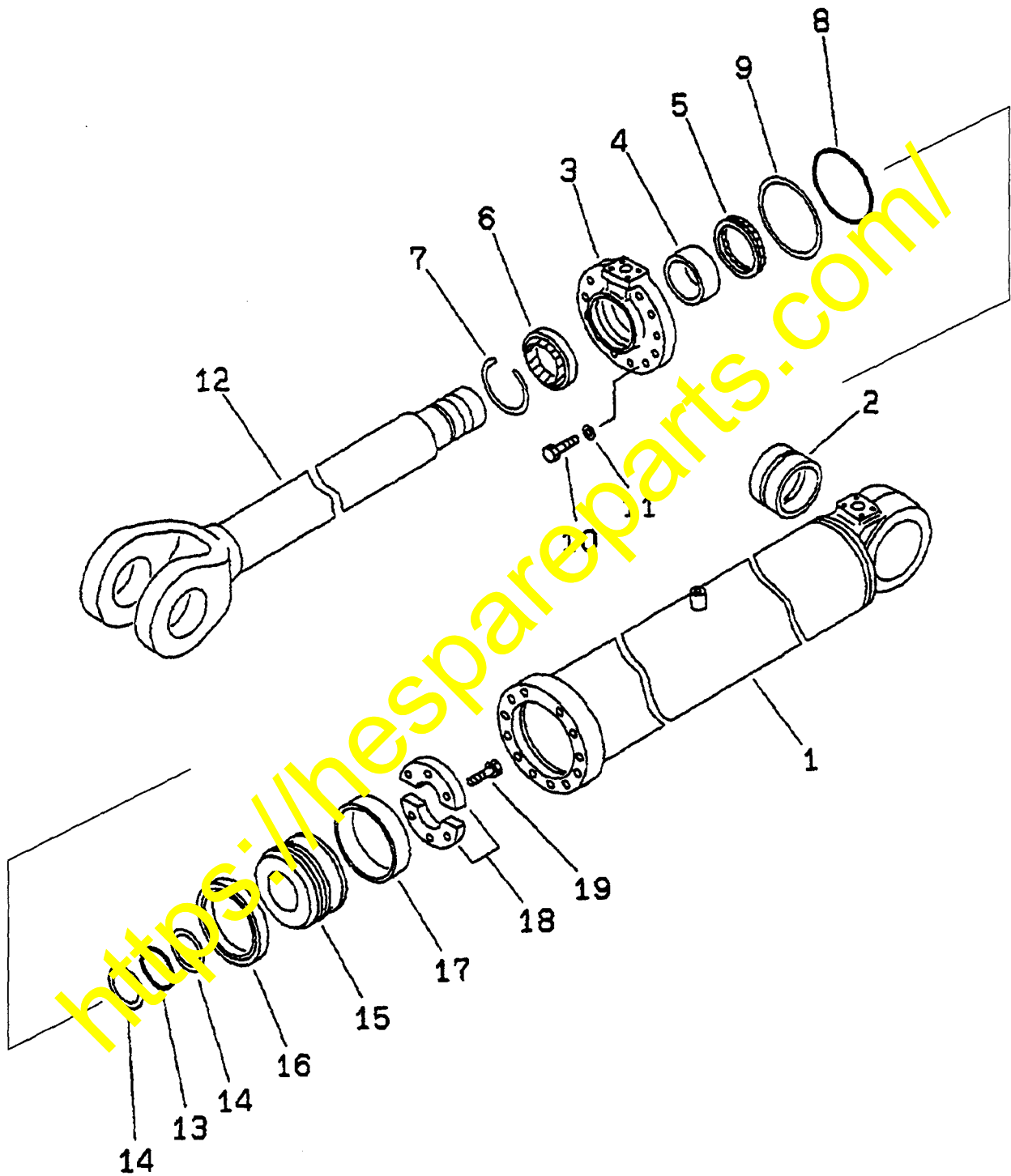
L10BR004

CYLINDER ASSEMBLY - WA450
STEERING - R.H.

Item	Part Number	Description	Qty.	Ref.
	707-00-01940	CYLINDER ASSEMBLY, R.H.	1	
1	707-11-10390	.CYLINDER, R.H.	1	
2	07042-20108	.PLUG	1	
3	707-76-55120	.BUSHING	1	
4	707-29-10830	.HEAD, CYLINDER	1	
5	07177-05030	.BUSHING	1	
6	707-51-50030	.PACKING, ROD	1	
7	176-63-92240	.SEAL, DUST	1	
8	07179-12062	.RING, SNAP	1	
9	07000-12095	.O-RING	1	
10	07146-02096	.RING, BACK-UP	1	
11	07000-02100	.O-RING	1	
12	707-58-50290	.ROD, PISTON	1	
13	707-76-55120	.BUSHING	1	
14	707-36-10340	.PISTON	1	
15	707-44-10080	.RING, PISTON	1	
16	07156-01012	.RING, WEAR	1	
17	07165-13638	.NUT	1	

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CYLINDER ASSEMBLY - WA450
LIFT ARM



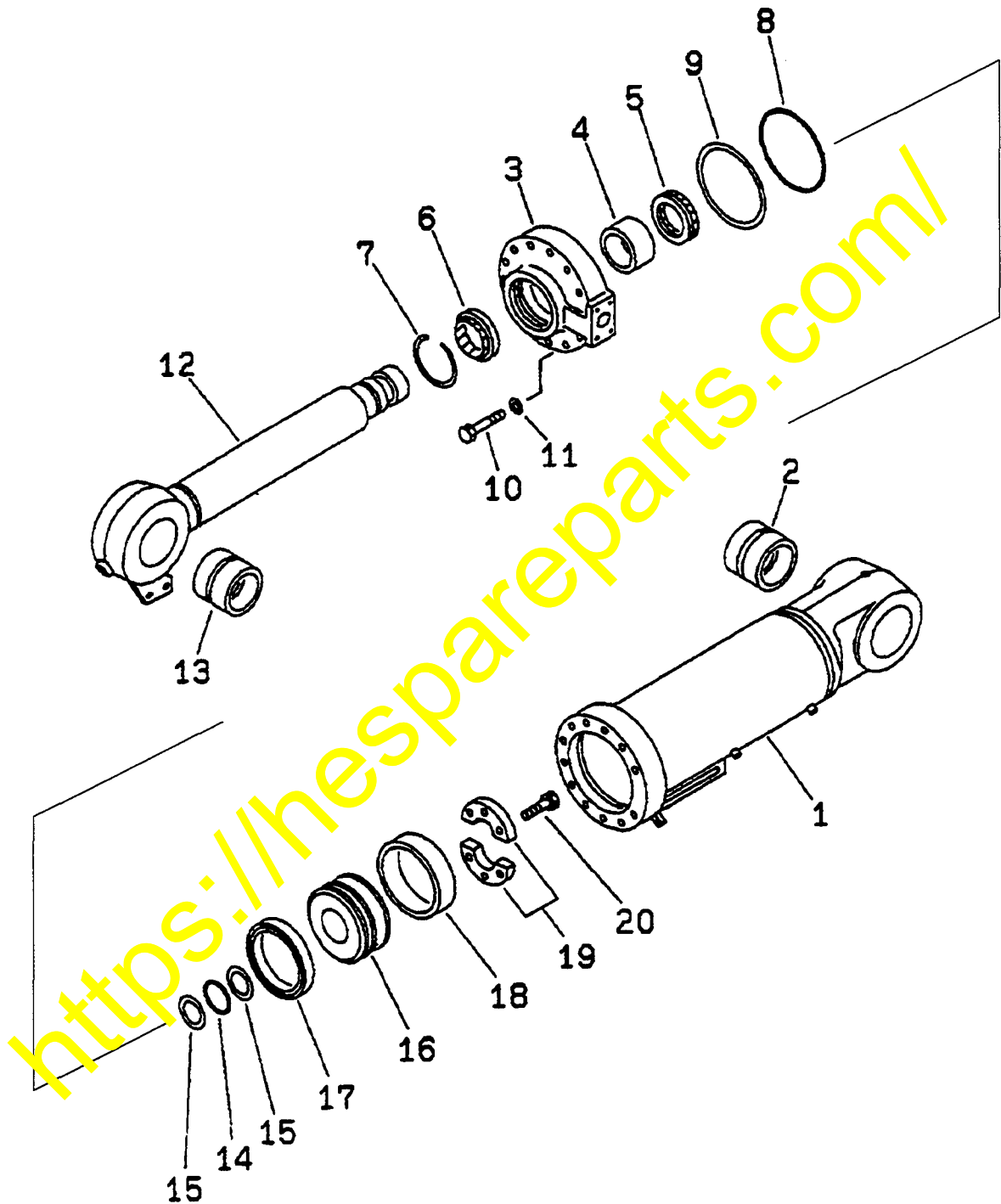
L10BR129

CYLINDER ASSEMBLY - WA450
LIFT ARM

Item	Part Number	Description	Qty.	Ref.
	707-01-03150	CYLINDER ASSEMBLY, LIFT ARM	2	
1	707-13-18281	.CYLINDER	1	
2	707-76-11040	.BUSHING	1	
3	707-27-18120	.HEAD, CYLINDER	1	
4	707-52-10960	.BUSHING	1	
5	707-51-95030	.PACKING, ROD	1	F1
6	707-56-95510	.SEAL, DUST	1	F1
7	07179-13109	.RING, SNAP	1	
8	07000-15170	.O-RING	1	F1
9	07146-05172	.RING, BACK-UP	1	F1
10	01010-81865	.BOLT	12	
11	01643-31845	.WASHER	12	
12	707-59-95010	.ROD, PISTON	1	
13	07000-12080	.O-RING	1	F1
14	707-35-52920	.RING, BACK-UP	2	F1
15	707-36-18410	.PISTON	1	
16	707-44-18180	.RING, PISTON	1	F1
17	07156-01822	.RING, WEAR	1	F1
18	707-40-20030	.SPACE	2	
19	01010-31245	.BOLT	6	
N/I	707-99-65400	SERVICE KIT, LIFT ARM CYLINDER	1	

F1 - INCLUDED IN SERVICE KIT 707-99-65400.

DUMP CYLINDER ASSEMBLY - WA450
STANDARD LIFT



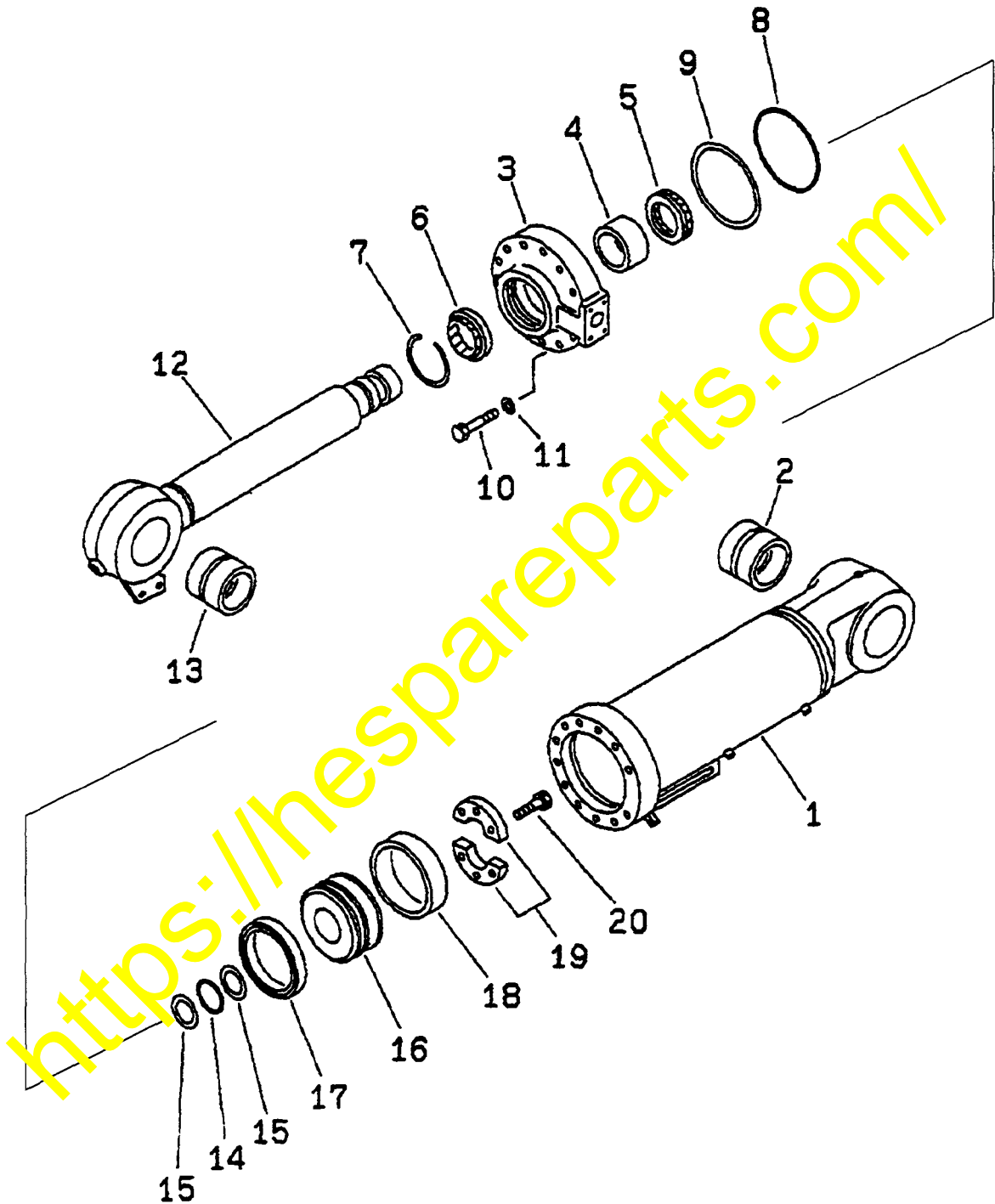
L10BR130

DUMP CYLINDER ASSEMBLY - WA450
STANDARD LIFT

Item	Part Number	Description	Qty.	Ref.
	707-01-03251	CYLINDER ASSEMBLY, DUMP	1	
1	707-13-20291	.CYLINDER	1	
2	707-76-12130	.BUSHING	1	
3	707-27-20250	.HEAD, CYLINDER	1	
4	707-52-11010	.BUSHING	1	
5	707-51-10030	.PACKING, ROD	1	F1
6	176-63-56170	.SEAL, DUST	1	F1
7	07179-13114	.RING, SNAP	1	
8	07000-15190	.O-RING	1	F1
9	07146-05192	.RING, BACK-UP	1	F1
10	01010-82075	.BOLT	12	
11	01643-32060	.WASHER	12	
12	707-58-10090	.ROD, PISTON	1	
13	707-76-12030	.BUSHING	1	
14	07000-12080	.O-RING	1	F1
15	707-35-52920	.RING, BACK-UP	2	F1
16	707-36-20400	.PISTON	1	
17	707-44-20180	.RING, PISTON	1	F1
18	07156-02022	.RING, WEAR	1	F1
19	707-40-20030	.SPACER	2	
20	01010-31245	.BOLT	6	
	707-99-73020	SERVICE KIT, DUMP CYLINDER	1	

F1 - INCLUDED IN SERVICE KIT 707-99-73020.

DUMP CYLINDER ASSEMBLY - WA450
HI-LIFT



L10BR130

DUMP CYLINDER ASSEMBLY - WA450
HI-LIFT

Item	Part Number	Description	Qty.	Ref.
	707-01-02131	CYLINDER ASSEMBLY, DUMP	1	
1	707-13-20291	.CYLINDER	1	
2	707-76-12130	.BUSHING	1	
3	707-27-20250	.HEAD, CYLINDER	1	
4	707-52-11010	.BUSHING	1	
5	707-51-10030	.PACKING, ROD	1	F1
6	176-63-56170	.SEAL, DUST	1	F1
7	07179-13114	.RING, SNAP	1	
8	07000-15190	.O-RING	1	F1
9	07146-05192	.RING, BACK-UP	1	F1
10	01010-82075	.BOLT	12	
11	01643-32060	.WASHER	12	
12	707-58-10290	.ROD, PISTON	1	
13	707-76-12030	.BUSHING	1	
14	07000-12080	.O-RING	1	F1
15	707-35-52920	.RING, BACK-UP	2	F1
16	707-36-20400	.PISTON	1	
17	707-44-20180	.RING, PISTON	1	F1
18	07156-02022	.RING, WEAR	1	F1
19	707-40-20030	.SPACER	2	
20	01010-31245	.BOLT	6	
	707-99-73020	SERVICE KIT, DUMP CYLINDER	1	

F1 - INCLUDED IN SERVICE KIT 707-99-73020.

<https://hespareparts.com/>