

CATERPILLAR 224B

7WF / HEBP1869

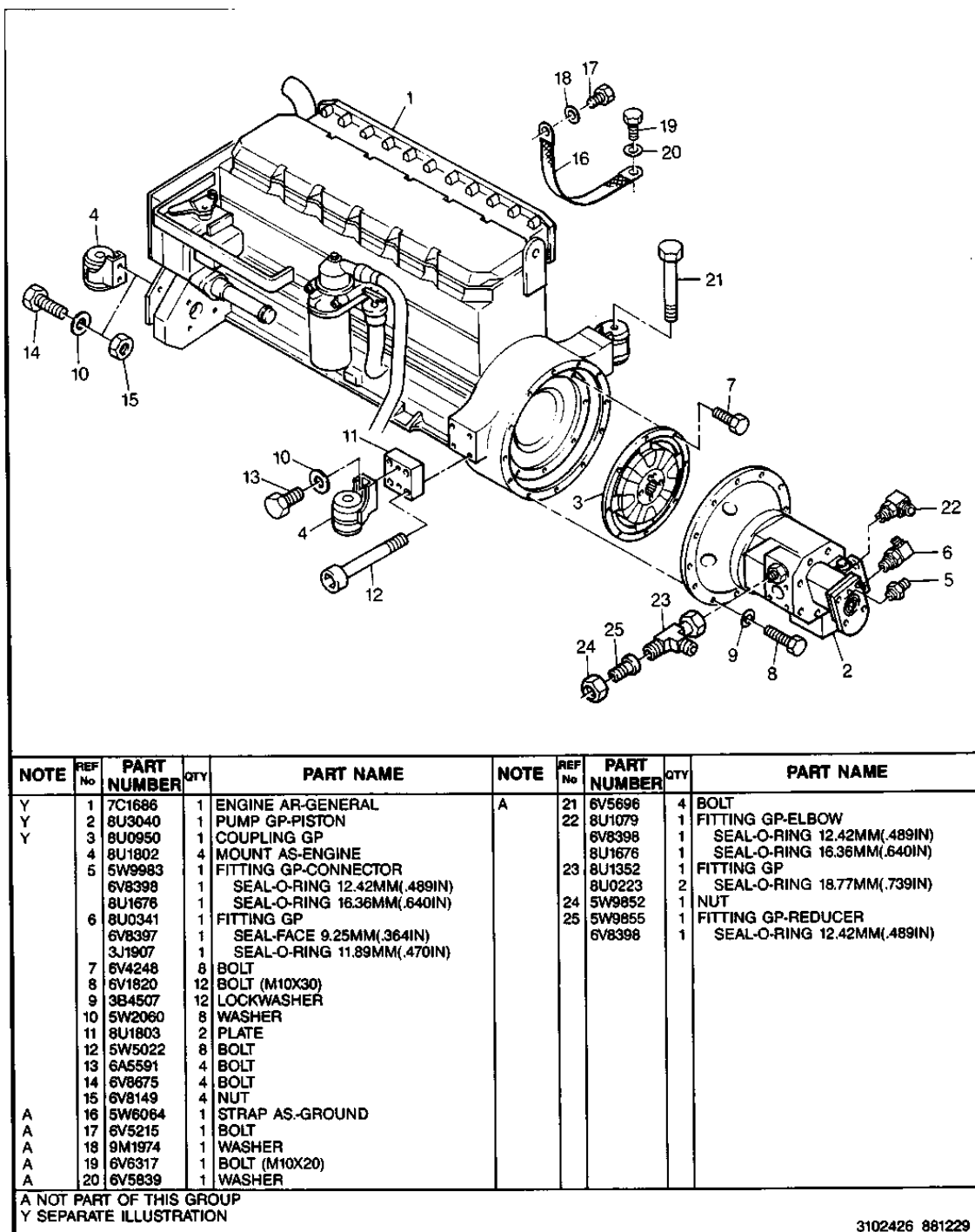
Contents

Section	Page
Basic engine	2
Lubrication system	
Air inlet and exhaust	
Fuel system	
Electrical and electronics	
Fuel system	
Basic engine	
Power train	
Hydraulic system	
Hydraulic system	
Cooling system	
Hydraulic system	
Hydraulic system	

8U-3026 INSTALLATION AR

8U3026 INSTALLATION AR PART OF 8U3066 FRAME AR-UPPER (W/HEATER) 8U3024 FRAME AR-UPPER (W/O HEATER).
7C1686-PAGE 2, 8U3040-PAGE 58, 8U0950-PAGE 64

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	7C-1686	ENGINE AR-GENERAL	1	Y	
2	8U-3040	PUMP GP-PISTON	1	Y	
3	8U-0950	COUPLING GP	1	Y	
4	8U-1802	MOUNT AS-ENGINE	4		

8U-3026 INSTALLATION AR (continued)

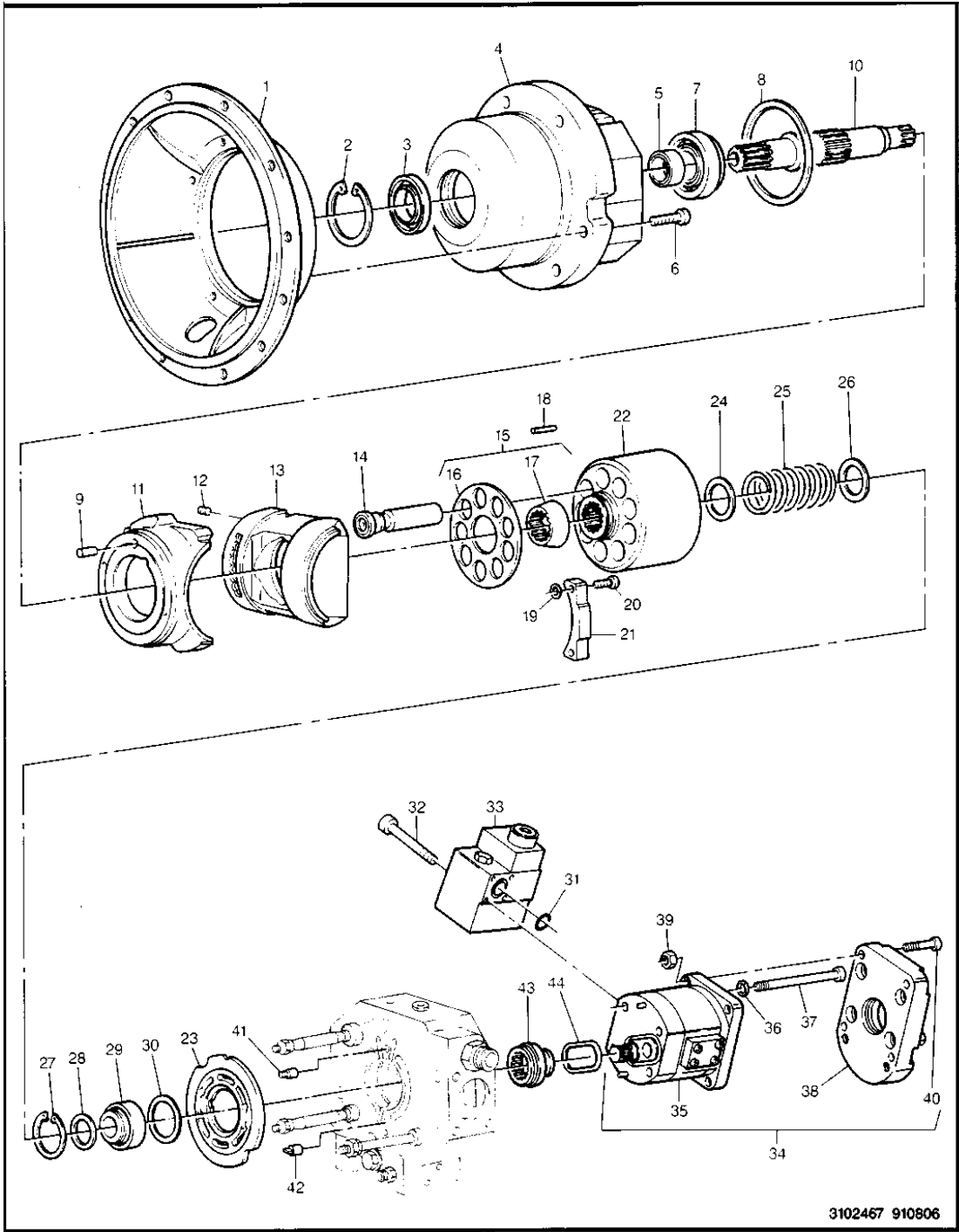
Ref.	Part number	Description	Qty	Code	Group page
5	5W-9983	FITTING GP-CONNECTOR	1		
	6V-8398	SEAL-O-RING 12.42MM(.489IN)	1		
	8U-1676	SEAL-O-RING 16.36MM(.640IN)	1		
6	8U-0341	FITTING GP	1		
	6V-8397	SEAL-FACE 9.25MM(.364IN)	1		
	3J-1907	SEAL-O-RING 11.89MM(.470IN)	1		
7	6V-4248	BOLT	8		
8	6V-1820	BOLT (M10X30)	12		
9	3B-4507	LOCKWASHER	12		
10	5W-2060	WASHER	8		
11	8U-1803	PLATE	2		
12	5W-5022	BOLT	8		
13	6A-5591	BOLT	4		
14	6V-8675	BOLT	4		
15	6V-8149	NUT	4		
16	5W-6064	STRAP AS.-GROUND	1	A	
17	6V-5215	BOLT	1	A	
18	9M-1974	WASHER	1	A	
19	6V-6317	BOLT (M10X20)	1	A	
20	6V-5839	WASHER	1	A	
21	6V-5696	BOLT	4	A	
22	8U-1079	FITTING GP-ELBOW	1		
	6V-8398	SEAL-O-RING 12.42MM(.489IN)	1		
	8U-1676	SEAL-O-RING 16.36MM(.640IN)	1		
23	8U-1352	FITTING GP	1		
	8U-0223	SEAL-O-RING 18.77MM(.739IN)	2		
24	5W-9852	NUT	1		
25	5W-9855	FITTING GP-REDUCER	1		
	6V-8398	SEAL-O-RING 12.42MM(.489IN)	1		

CAT codes: NOT, SEPARATE.

8U-3040 PUMP GP-PISTON

8U3040 PUMP GP-PISTON-PART 1 OF 2 PART OF 8U3026 INSTALLATION AR ENGINE 8U3863-PAGE 61

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	8U-2035	HOUSING	1		
2	5W-5048	RING-RETAINING	1		
3	8U-2006	SEAL	1	J	
4	8U-3840	HOUSING	1		
5	8U-2008	BUSHING	1		

8U-3040 PUMP GP-PISTON (continued)

Ref.	Part number	Description	Qty	Code	Group page
6	8T-0273	BOLT	6		
7	8U-2009	BEARING-ROLLER	1		
8	8U-2012	RING	1		
9	8U-2011	PIN	1		
10	8U-3841	SHAFT	1		
11	8U-3842	SHELL	1		
12	5W-8510	PLUG	1		
13	8U-3843	CRADLE	1		
14	8U-3844	PISTON	9	L	
15	8U-3845	PLATE-RETRACTION	1		
16	NSS	WASHER	1		
17	NSS	BALL	1		
18	8U-2018	NEEDLE-ROLLER	3		
19	8U-2020	SHIM (0.05MM)(.001IN)THK	1	B	
19	8U-2021	SHIM (0.075MM)(.002IN)THK	1	B	
19	8U-2022	SHIM (0.1MM)(.003IN)THK	1	B	
20	5W-1281	BOLT	4		
21	8U-2019	BRACKET	2		
22	8U-3846	BARREL AS	1		
23	8U-3847	PLATE	1		
24	8U-2024	WASHER	1		
25	8U-3848	SPRING	1		
26	8U-2026	WASHER	1		
27	5W-1447	RING-RETAINING	1		
28	8U-2027	RING	1		
29	8U-2028	BEARING-ROLLER	1		
30	8U-2029	SHIM (1.05MM)(.041IN)THK	1	B	
30	8U-2030	SHIM (1.1MM)(.043IN)THK	1	B	
30	8U-2031	SHIM (1.15MM)(.045IN)THK	1	B	
30	8U-2032	SHIM (1.25MM)(.049IN)THK	1	B	
30	8U-2033	SHIM (1.5MM)(.059IN)THK	1	B	
30	8U-2034	SHIM (1.75MM)(.068IN)THK	1	B	
31	5W-1848	SEAL-O-RING	1	J	
32	5W-4997	BOLT	4		
33	8U-3863	VALVE GP	1	Y	
34	8U-3861	PUMP GP-PILOT	1		

8U-3040 PUMP GP-PISTON (continued)

Ref.	Part number	Description	Qty	Code	Group page
35	NSS	PUMP	1		
36	5W-1401	WASHER	1		
37	8U-3895	BOLT	4		
38	NSS	FLANGE	1		
39	5P-7970	NUT	4		
40	8U-3896	BOLT	4		
41	8U-3849	PIN	1		
42	8U-3850	PIN	1		
43	8U-3860	COUPLING	1		
44	8U-3471	SEAL-O-RING	1	J	
FOLLOWING REPAIR KIT AVAILABLE:					
	8U-3883	REPAIR KIT	1		
(INCLUDES PARTS MARKED J ON THIS PAGE AND PAGES 60 UP TO 63)					
FOLLOWING REPAIR KIT AVAILABLE:					
	8U-4787	REPAIR KIT	1	C	
(FOR PUMP REF NO. 34)					

CAT codes: USE, INDICATES, TO, SEPARATE.

8U-3040 PUMP GP-PISTON

8U3040 PUMP GP-PISTON-PART 2 OF 2 PART OF 8U3026 INSTALLATION AR-ENGINE 8U3873-PAGE 62, 8U3874-PAGE 62

Drawing 1 of 1

NOTE	REF No	PART NUMBER	QTY	PART NAME	NOTE	REF No	PART NUMBER	QTY	PART NAME
	1	8U3853	1	PISTON		26	8U3874	1	MANIFOLD GP
	2	8U3851	1	CONTROL GP	Y	27	8T9535	4	BOLT (M8X60)
	3	NSS	1	CONTROL					
	4	8U2039	1	BUSHING					
	5	8U2040	1	BUSHING					
	6	8U3855	1	SPRING					
	7	8U3856	1	SPRING					
	8	8U3857	1	SEAT					
	9	5W1446	1	RING-RETAINING					
	10	8U2259	2	PLUG					
	11	8U3852	1	PISTON					
	12	8U2048	1	PIN					
	13	5W3583	1	PIN					
	14	8U2046	1	PLUG					
	15	8U3854	2	PIN					
	16	8U2252	2	CAP					
	17	8U2049	8	BOLT (M14X90)					
	18	5W5632	2	BOLT					
	19	8U3859	1	ADAPTER					
L	20	8U2051	1	SEAL-O-RING					
L	21	8U3858	1	ROD					
L	22	5W6320	1	SEAL-O-RING					
L	23	8U2088	1	ADAPTER					
L	24	8U2089	1	SEAL-O-RING					
Y	25	8U3873	1	REGULATOR GP					

L REPAIR KIT PARTS INCLUDED IN REPAIR KIT ON PAGE 59
Y SEPARATE ILLUSTRATION

3102468 890118

Ref.	Part number	Description	Qty	Code	Group page
1	8U-3853	PISTON	1		
2	8U-3851	CONTROL GP	1		
3	NSS	CONTROL	1		
4	8U-2039	BUSHING	1		

8U-3040 PUMP GP-PISTON (continued)

Ref.	Part number	Description	Qty	Code	Group page
5	8U-2040	BUSHING	1		
6	8U-3855	SPRING	1		
7	8U-3856	SPRING	1		
8	8U-3857	SEAT	1		
9	5W-1446	RING-RETAINING	1		
10	8U-2259	PLUG	2		
11	8U-3852	PISTON	1		
12	8U-2048	PIN	1		
13	5W-3583	PIN	1		
14	8U-2046	PLUG	1		
15	8U-3854	PIN	2		
16	8U-2252	CAP	2		
17	8U-2049	BOLT (M14X90)	6		
18	5W-5632	BOLT	2		
19	8U-3859	ADAPTER	1		
20	8U-2051	SEAL-O-RING	1	L	
21	8U-3858	ROD	1		
22	5W-6320	SEAL-O-RING	1	L	
23	8U-2088	ADAPTER	1		
24	8U-2089	SEAL-O-RING	1	L	
25	8U-3873	REGULATOR GP	1	Y	
26	8U-3874	MANIFOLD GP	1	Y	
27	8T-9535	BOLT (M8X60)	4		

CAT codes: REPAIR, SEPARATE.

8U-3863 VALVE GP

8U3863 VALVE GP PART OF 8U3040 PUMP GP-DOUBLE

Drawing 1 of 1

NOTE	REF No	PART NUMBER	QTY	PART NAME	NOTE	REF No	PART NUMBER	QTY	PART NAME
	1	NSS	1	HOUSING		26	NSS	1	SLEEVE
	2	NSS	1	PLUG		27	NSS	1	PISTON
JL	3	8U3864	1	SEAL-O-RING		28	8U2076	1	SPRING
	4	8U3865	1	NOZZLE		29	8U2077	1	PISTON
	5	NSS	1	PISTON	L	30	8U2078	1	SEAL-O-RING
	6	8U3868	1	SPRING		31	8U2079	1	PLUG
JL	7	8U3867	1	SEAL-O-RING		32	8U2080	1	NUT
	8	8U3897	1	PEG		33	8U2081	1	SCREW
	9	NSS	1	PLUG					
	10	8U3868	1	NOZZLE					
JL	11	8U3899	1	SEAL-O-RING					
	12	NSS	1	PLUG					
	13	8U3869	1	VALVE GP					
JL	14	8U2005	1	SEAL-O-RING					
JL	15	5W2906	1	SEAL					
	16	NSS	1	SLEEVE					
	17	NSS	1	CONE					
	18	8U3870	1	SPRING					
	19	NSS	1	WASHER					
JL	20	8U3898	1	SEAL-O-RING					
	21	NSS	1	PLUG					
	22	NSS	1	PEG					
	23	8U3871	1	NUT					
	24	8U2075	1	VALVE GP					
L	25	5W3035	1	SEAL-O-RING					

L REPAIR KIT PARTS INCLUDED IN REPAIR KIT ON PAGE 59

3002465 890118

Ref.	Part number	Description	Qty	Code	Group page
1	NSS	HOUSING	1		
2	NSS	PLUG	1		
3	8U-3864	SEAL-O-RING	1	J L	
4	8U-3865	NOZZLE	1		
5	NSS	PISTON	1		

8U-3863 VALVE GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
6	8U-3866	SPRING	1		
7	8U-3867	SEAL-O-RING	1	J L	
8	8U-3897	PEG	1		
9	NSS	PLUG	1		
10	8U-3868	NOZZLE	1		
11	8U-3899	SEAL-O-RING	1	J L	
12	NSS	PLUG	1		
13	8U-3869	VALVE GP	1		
14	8U-2005	SEAL-O-RING	1	J L	
15	5W-2906	SEAL	1	J L	
16	NSS	SLEEVE	1		
17	NSS	CONE	1		
18	8U-3870	SPRING	1		
19	NSS	WASHER	1		
20	8U-3898	SEAL-O-RING	1	J L	
21	NSS	PLUG	1		
22	NSS	PEG	1		
23	8U-3871	NUT	1		
24	8U-2075	VALVE GP	1		
25	5W-3035	SEAL-O-RING	1	L	
26	NSS	SLEEVE	1		
27	NSS	PISTON	1		
28	8U-2076	SPRING	1		
29	8U-2077	PISTON	1		
30	8U-2078	SEAL-O-RING	1	L	
31	8U-2079	PLUG	1		
32	8U-2080	NUT	1		
33	8U-2081	SCREW	1		
FOLLOWING REPAIR KIT AVAILABLE:					
	8U-3872	SEAL (KIT)	1		
(INCLUDES PARTS MARKED J)					

CAT codes: REPAIR.

MANUALS-KOMATSU.COM

Complete Caterpillar PDF Parts Catalogue

7WF-HEBP1869

\$99

Buy on this catalogue page in our store.

Download instructions are sent after payment confirmation.

Buy complete PDF - \$99