

CATERPILLAR 311B

2LS / XEBP7664

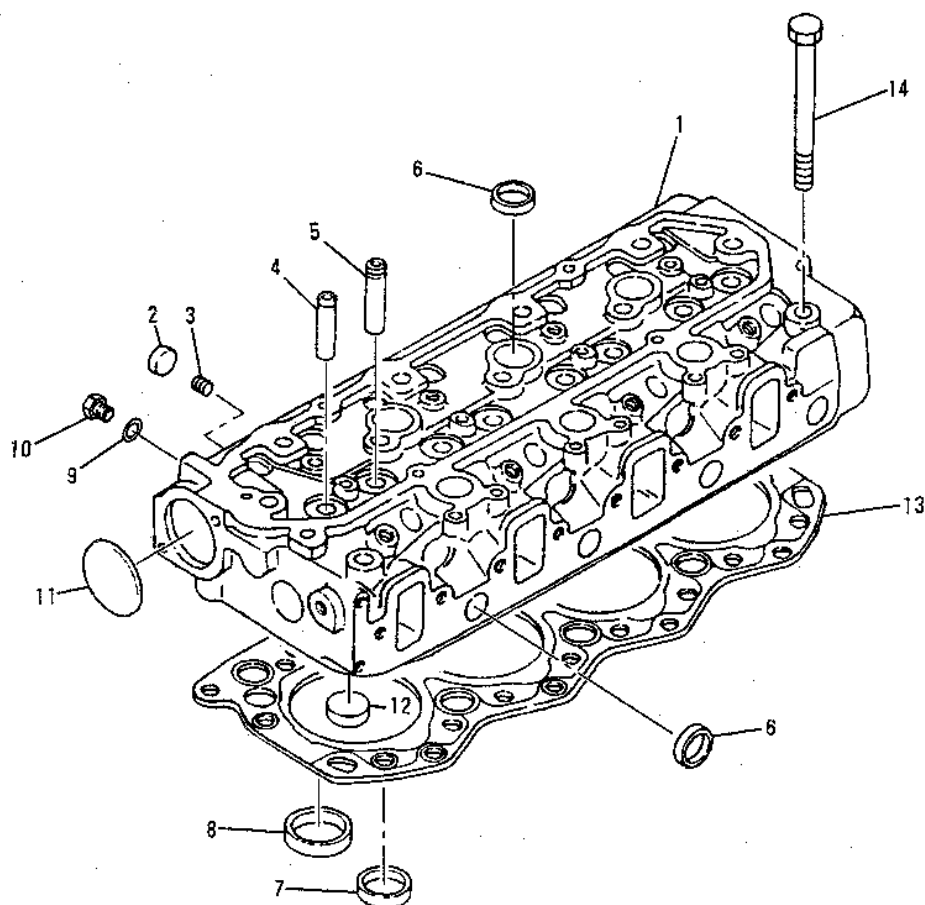
Contents

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

5I-7800 CYLINDER HEAD

CYLINDER HEAD (5I7800 N/S) PART OF 1189886-Page 10, 1540627-Page 12

Drawing 1 of 1

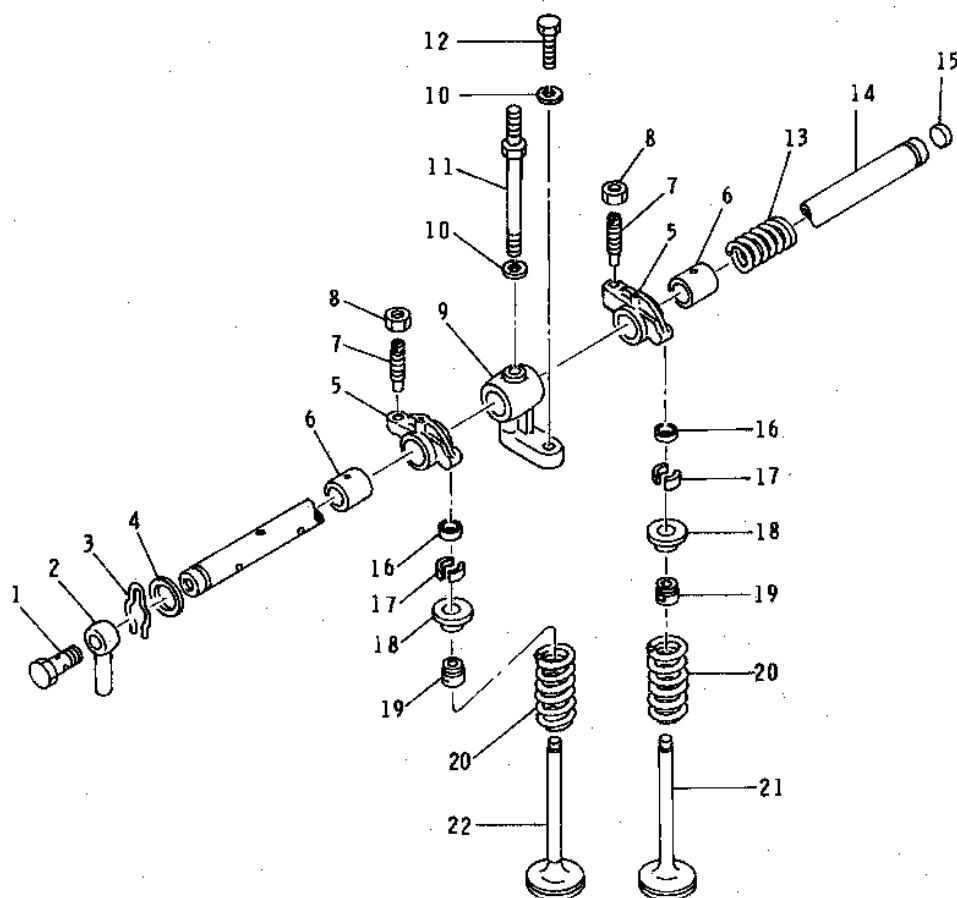


Ref.	Part number	Description	Qty	Code	Group page
1	185-8991	HEAD ASSEM.	1		
2	099-4388	CAP	4		
3	5I-7505	PLUG	4		
4	183-8172	GUIDE (INTAKE)	4		
5	183-8173	GUIDE (EXHAUST)	4		
6	5I-4915	CAP	16		
7	5I-8012	INSERT (INTAKE)	4		
8	5I-8011	INSERT (EXHAUST)	4		
9	095-2038	WASHER	1		
10	5I-5591	PLUG	1		
11	5I-4916	PLUG	1		
12	5I-7583	CAP	5		
13	5I-7835	GASKET	1		
14	5I-7718	BOLT (M12X1.75)	17		

5I-7801 VALVE MECHANISM

VALVE MECHANISM (5I7801 N/S) PART OF 1189886-Page 10, 1540627-Page 12

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5I-4921	BOLT (M12X1.25)	1		
2	5I-7720	PIPE	1		
3	5I-7622	RING	2		
4	2W-6047	WASHER	2		
5	5I-7590	ROCKER ASSEM.	8		
6	5I-7631	BUSHING	1		
7	094-9525	SCREW (M8X1.25)	1		
8	091-3474	NUT (M8X1.25)	1		
9	5I-7722	BRACKET	4		
10	095-8638	WASHER	8		
11	5I-5010	BOLT (M8X1.25)	4		
12	8T-4189	BOLT (M8X1.25)	4		
13	5I-7721	SPRING	3		
14	5I-7883	SHAFT ASSEM.	1		
15	094-4696	PLUG	1		

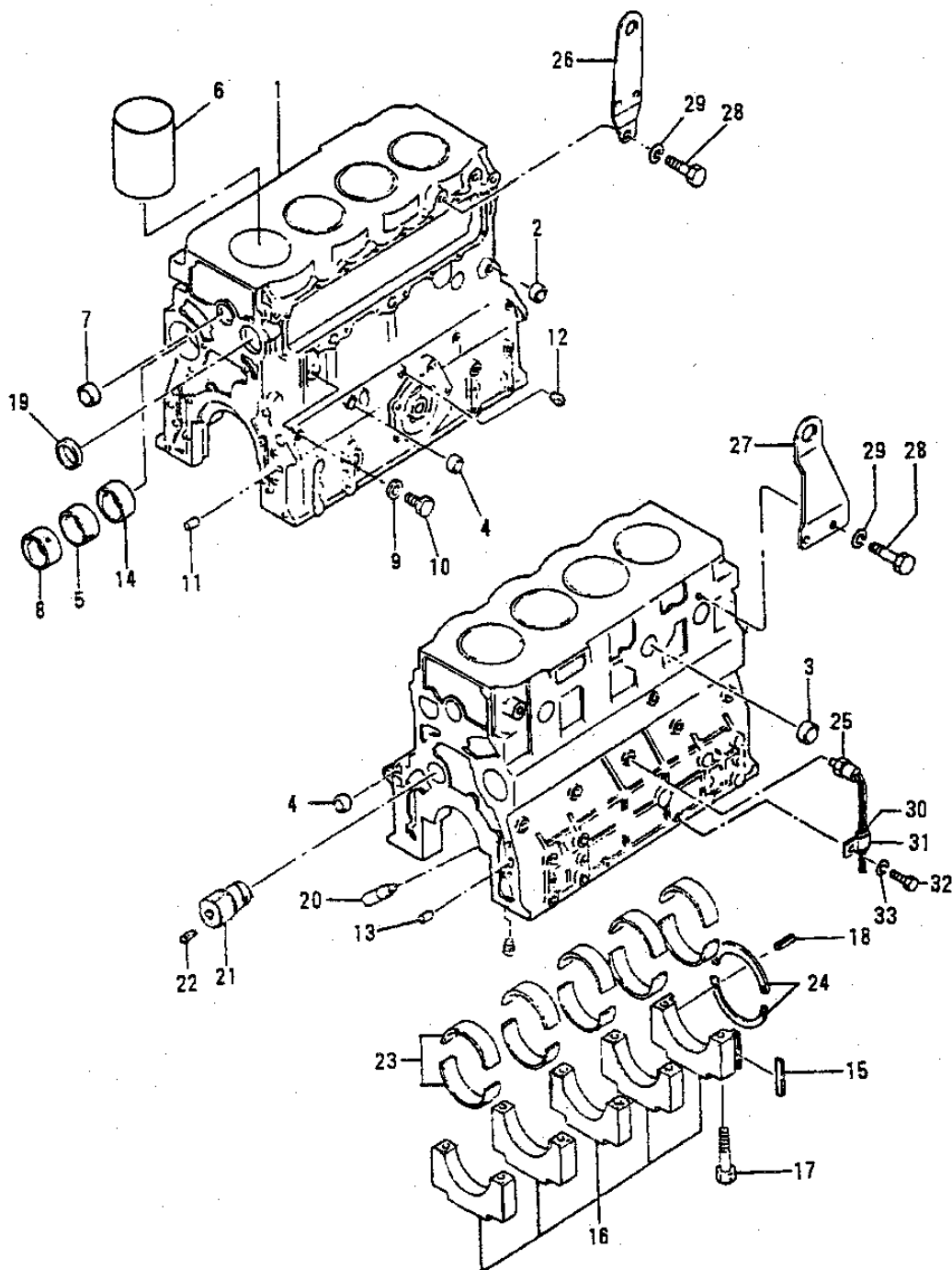
5I-7801 VALVE MECHANISM (continued)

Ref.	Part number	Description	Qty	Code	Group page
16	5I-7630	CAP	8		
17	5I-7719	COTTER PIN	16		
18	5I-7625	RETAINER	8		
19	5I-7624	SEAL	8		
20	5I-7740	SPRING	8		
21	5I-7739	VALVE	4		
22	5I-7738	VALVE	4		

5I-8144 CYLINDER BLOCK

CYLINDER BLOCK (5I8144 N/S) PART OF 1189886-Page 10, 1540627-Page 12

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5I-8149	CRANKCASE ASSEM.	1		
2	095-2005	CAP	2		
3	3P-1896	PLUG	5		
4	096-3741	CAP	5		
5	5I-7528	BUSHING	1		

5I-8144 CYLINDER BLOCK (continued)

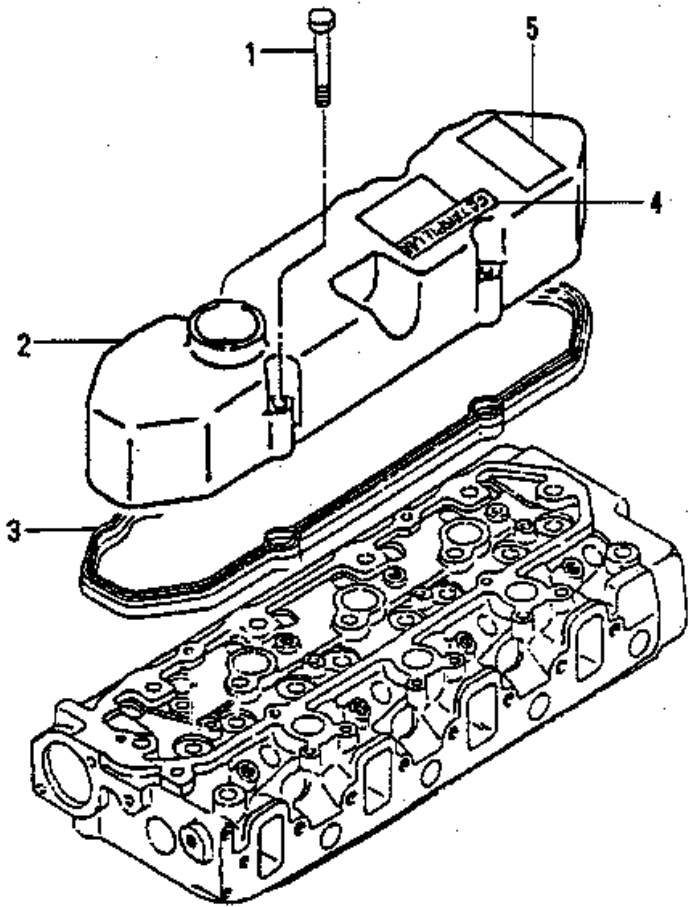
Ref.	Part number	Description	Qty	Code	Group page
6	5I-7523	SLEEVE	4		
7	5I-7525	PLUG	1		
8	5I-7529	BUSHING	1		
9	095-2039	WASHER	1		
10	8T-4191	BOLT (M10X1.5)	1		
11	099-4420	PIN	2		
12	5I-7505	PLUG	5		
13	5I-7724	PIN	2		
14	5I-8009	BUSHING	1		
15	5I-7524	SEAL	2		
16	5I-7839	BEARING SET (UNFINISHED PARTS)	1		
17	094-7115	BOLT (M14X2)	10		
18	6V-8236	PIN	60		
19	095-2011	CAP	1		
20	5I-7526	VALVE	4		
21	5I-7672	SHAFT ASSEM.	1		
22	095-0879	PIN	1		
23	5I-7588	BEARING SET (STANDARD)	5		
	5I-7784	BEARING SET (0.25mm UNDERSIZE)	5	A	
	5I-7785	BEARING SET (0.50mm UNDERSIZE)	5	A	
	5I-7786	BEARING SET (0.75mm UNDERSIZE)	5	A	
24	5I-7654	PLATE (STANDARD)	3		
	5I-7787	PLATE (0.15mm OVERSIZE)	3	A	
	5I-7788	PLATE (0.30mm OVERSIZE)	3	A	
	5I-7789	PLATE (0.45mm OVERSIZE)	3	A	
25	5I-8005	SWITCH	1		
26	5I-7636	EYE	1		
27	5I-7603	EYE	1		
28	8T-4179	BOLT (M12X1.75)	3		
29	096-2501	WASHER	3		
30	5I-7978	SHEET	1		
31	4D-7794	CLIP	1		
32	7X-2536	BOLT (M8X1.25)	1		
33	095-8638	WASHER	1		

CAT codes: A.

5I-7802 VALVE MECHANISM COVER

VALVE MECHANISM COVER (5I7802 N/S) PART OF 1189886-Page 10, 1540627-Page 12

Drawing 1 of 1

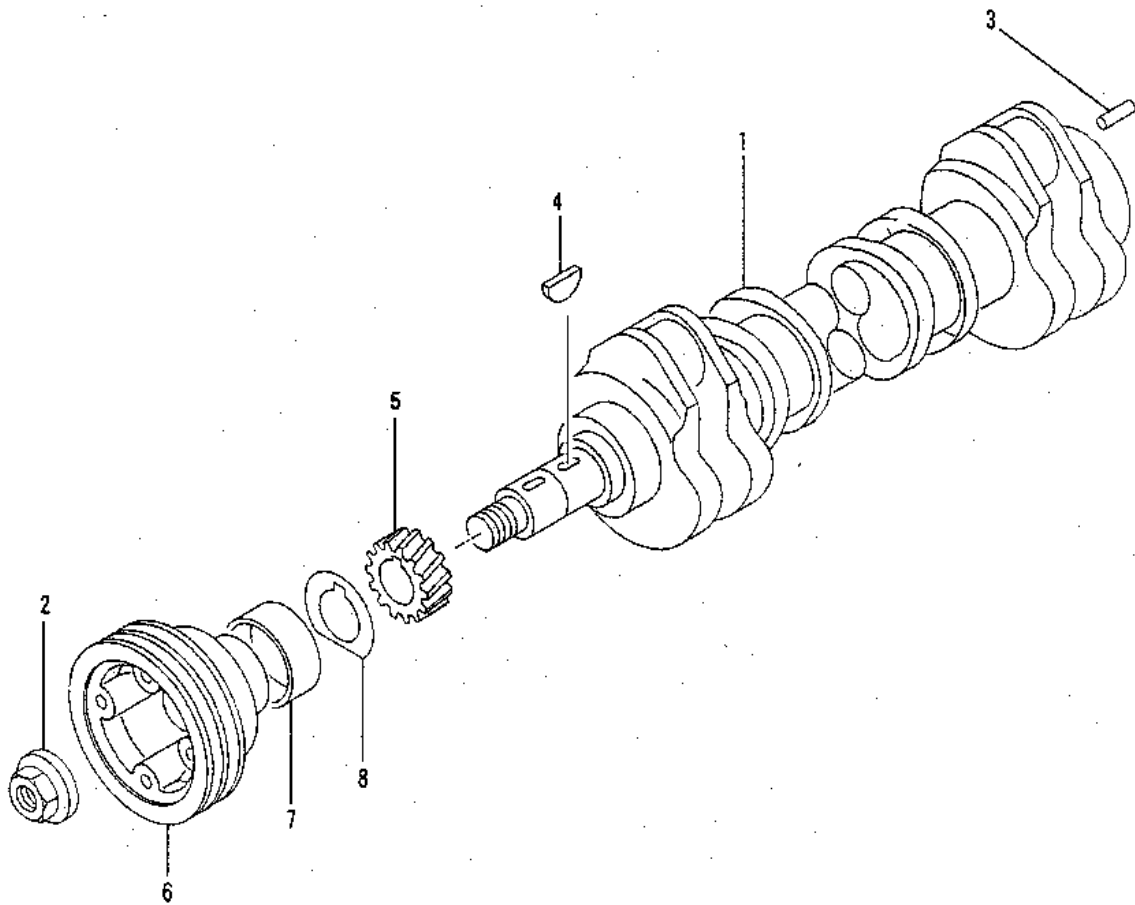


Ref.	Part number	Description	Qty	Code	Group page
1	8T-4186	BOLT (M10X1.5)	4		
2	5I-7904	COVER	1		
3	5I-7905	GASKET	1		
4	4P-6445	PLATE (CATERPILLAR)	1		
5	4P-6422	FILM (WARNING) (ENGLISH)	1		

5I-8130 CRANKSHAFT

CRANKSHAFT (5I8130 N/S) PART OF 1189886-Page 10, 1540627-Page 12

Drawing 1 of 1

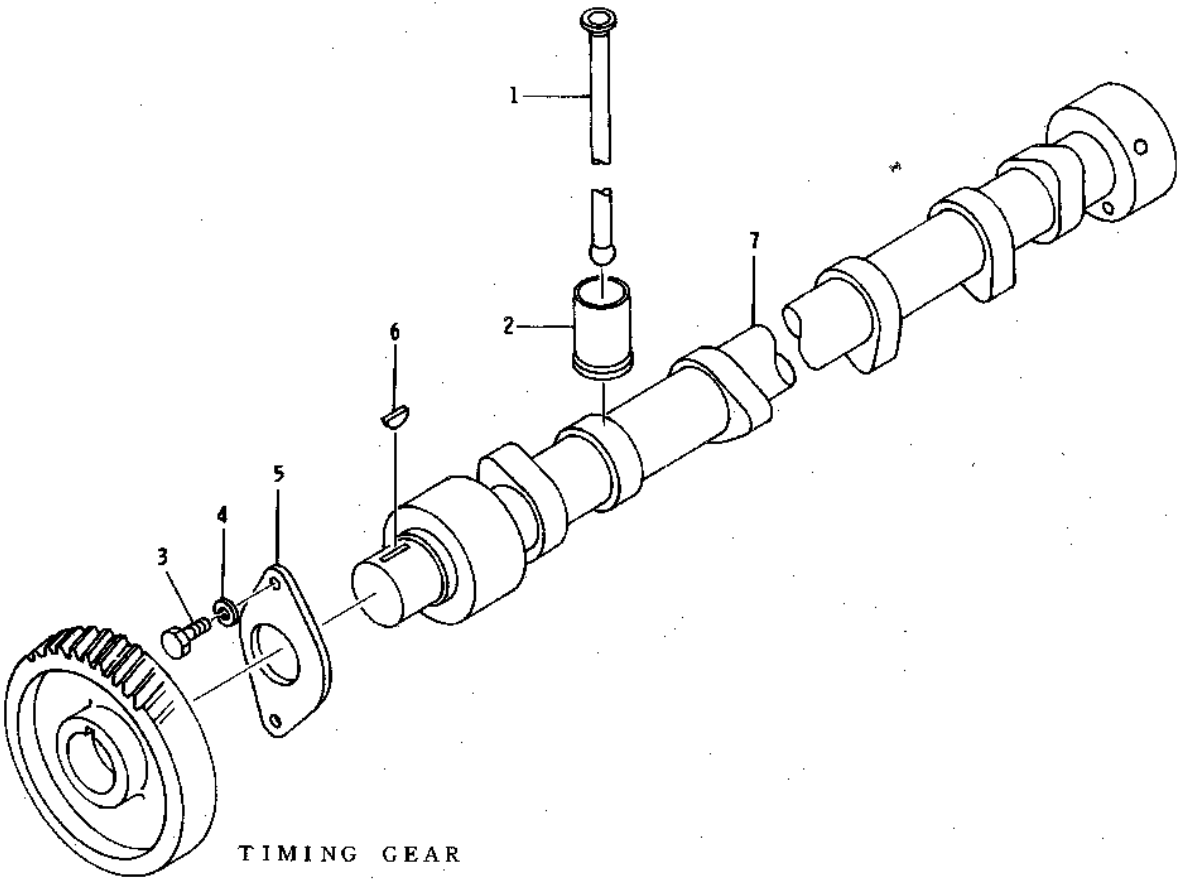


Ref.	Part number	Description	Qty	Code	Group page
1	135-2419	CRANKSHAFT ASSEM.	1		
2	130-7596	NUT	1		
3	085-9513	PIN	2		
4	094-4628	KEY	2		
5	5I-7674	GEAR	1		
6	125-2969	PULLEY ASSEM.	1		
7	5I-7540	SLEEVE	1		
8	5I-7541	PLATE	1		

5I-7804 CAMSHAFT

CAMSHAFT (5I7804 N/S)-SINGLE PART OF 1189886-Page 10, 1540627-Page 12

Drawing 1 of 1

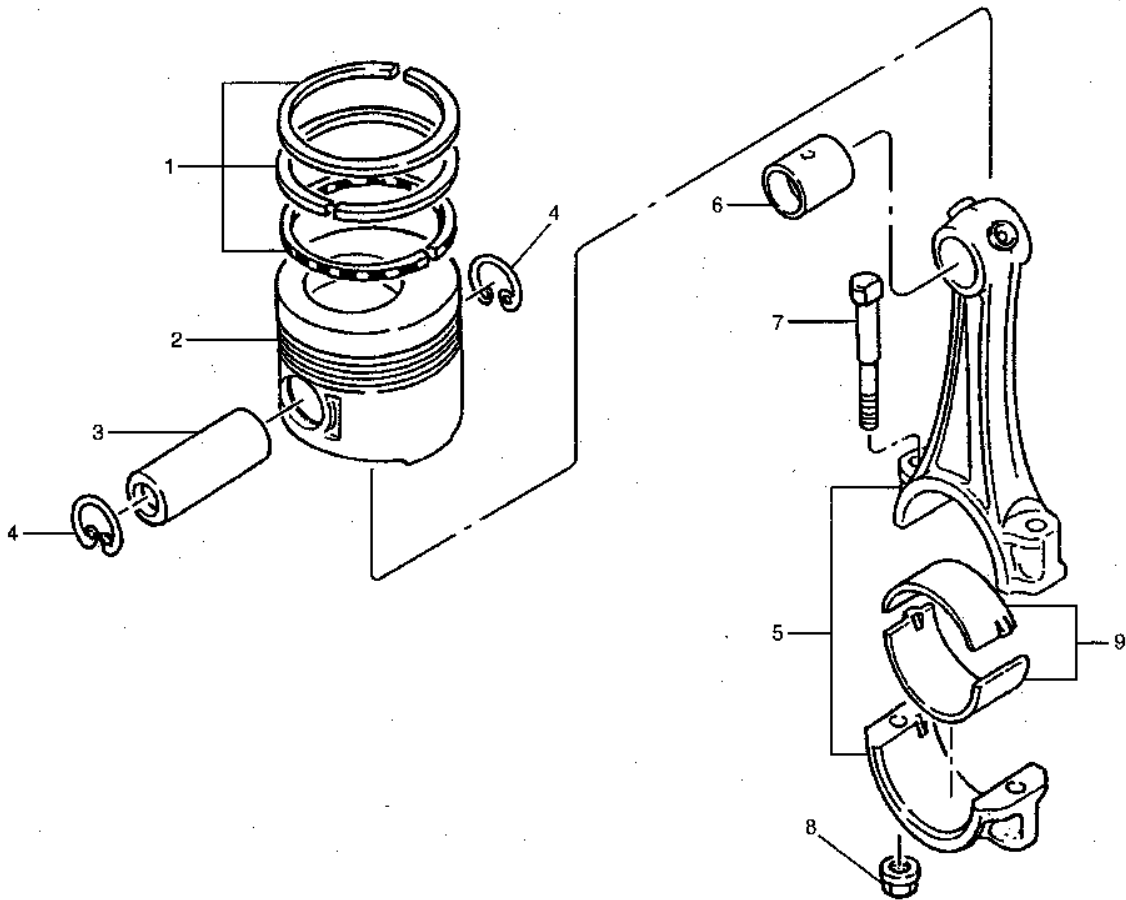


Ref.	Part number	Description	Qty	Code	Group page
1	5I-7723	PUSHROD	8		
2	5I-7627	TAPPET	8		
3	8T-4200	BOLT (M8X1.25)	2		
4	095-8638	WASHER	2		
5	5I-7650	PLATE	1		
6	094-4628	KEY	1		
7	5I-7837	CAMSHAFT	1		

5I-7808 CONNECTING ROD AND PISTON

CONNECTING ROD AND PISTON (5I7808 N/S) PART OF 1189886-Page 10, 1540627-Page 12

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5I-7538	RING SET	4		
	5I-7790	RING SET (0.25mm OVERSIZE)	4	A	
	5I-7791	RING SET (0.50mm OVERSIZE)	4	A	
2	5I-7537	PISTON	4		
	5I-7792	PISTON (0.25mm OVERSIZE)	4	A	
	5I-7793	PISTON (0.50mm OVERSIZE)	4	A	
3	094-7134	PIN	4		
4	5I-7667	RING	8		
5	5I-7668	ROD ASSEM.	4		
6	5I-7539	BUSHING	1		
7	094-7154	BOLT (M12X1.25)	2		
8	094-7516	NUT (M12X1.25)	2		
9	5I-7637	BEARING	8		

MANUALS-KOMATSU.COM

Complete Caterpillar PDF Parts Catalogue

2LS-XEBP7664

\$99

Buy on this catalogue page in our store.

Download instructions are sent after payment confirmation.

Buy complete PDF - \$99