

CATERPILLAR 594H

96V / SEBP1004

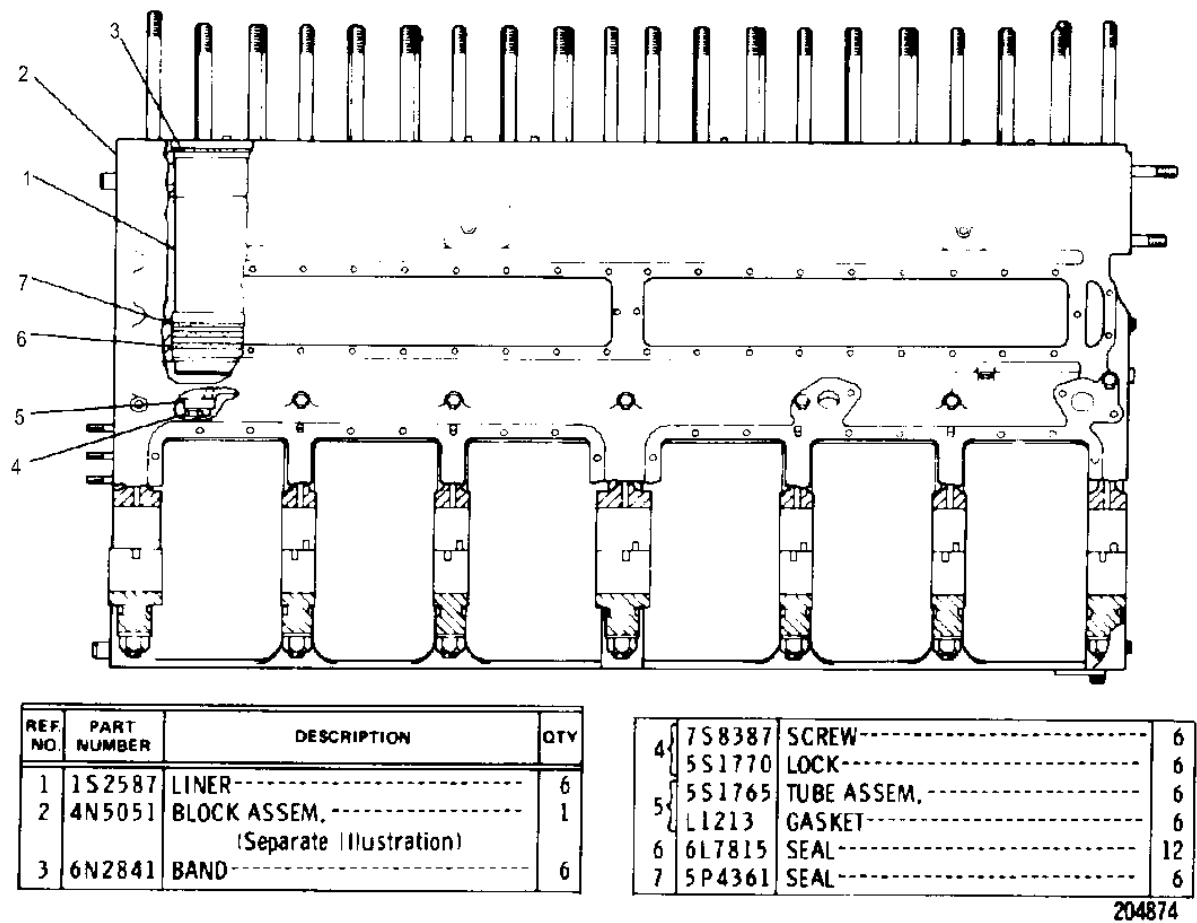
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Basic engine	

4N-6627 CYLINDER BLOCK GROUP

4N6627 CYLINDER BLOCK GROUP Serial No. 97V3095, 97V3103 & 97V3284 to 97U7512 inclusive. 4N5051 Cylinder Block parts are shown on Page 18B. See Page 80 for Gasket Kits

Drawing 1 of 1



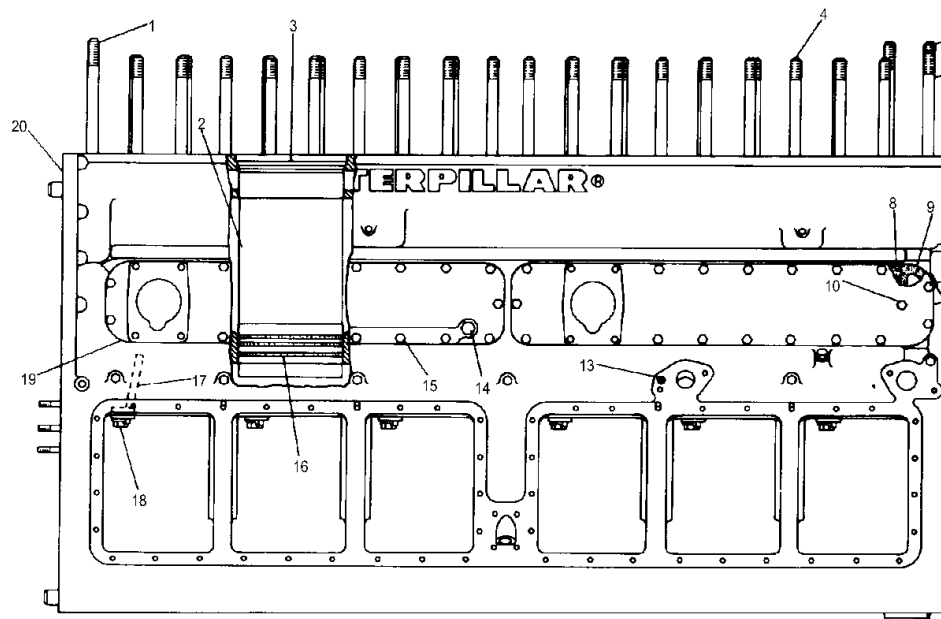
Ref.	Part number	Description	Qty	Code	Group page
1	1S-2587	LINER	6		
2	4N-5051	BLOCK ASSEM.	1	Y	
(Separate Illustration)					
3	6N-2841	BAND	6		
4	7S-8387	SCREW	6		
	5S-1770	LOCK	6		
5	5S-1765	TUBE ASSEM.	6		
5	0L-1213	GASKET	6		
6	6L-7815	SEAL	12		
7	5P-4361	SEAL	6		

CAT codes: Y.

7N-1978 CYLINDER BLOCK GROUP

7N1978 CYLINDER BLOCK GROUP Serial No. 97U7513-Up 7N2053 Cylinder Block parts are shown on Page 19 See Page 80 for Gasket Kits

Drawing 1 of 1



Technical drawing of the 7N-1978 Cylinder Block Group. The drawing shows a cross-section of the cylinder block with various components labeled with numbers 1 through 20. The components include studs, liners, bands, gaskets, bolts, and a cover. The brand name 'TERPILLAR' is visible on the side of the block.

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	5P7597	STUD-----	4
2	1S2587	LINER-----	6
3	6N2841	BAND-----	6
4	3H9806	STUD-----	35
5	4H7331	STUD-----	1

6	5F9498	STUD-----	1
7	6H207	STUD-----	2
8	3H2319	GASKET-----	1
9	3H2301	GASKET-----	1
10	3B1915	BOLT-----	1
11	L1351	BOLT-----	1
12	2M8361	COVER-----	1

13	7H3171	PLUG-----	1
14	3J5389	PLUG-----	1
15	0S1590	BOLT-----	3
15	5M2894	WASHER-----	3
16	6L7815	SEAL-----	18
17	5S1765	TUBE ASSEM.-----	6
17	L1213	GASKET-----	6
18	7S8387	SCREW-----	6
18	5S1770	LOCK-----	6
19	6N1238	COVER-----	1
19	5H1032	GASKET-----	1
20	7N2053	CYLINDER BLOCK ASSEM.----- (Separate Illustration)	1

165722

Ref.	Part number	Description	Qty	Code	Group page
1	5P-7597	STUD	4		
2	1S-2587	LINER	6		
3	6N-2841	BAND	6		
4	3H-9806	STUD	35		
5	4H-7331	STUD	1		
6	5F-9498	STUD	1		
7	6H-0207	STUD	2		
8	3H-2319	GASKET	1		
9	3H-2301	GASKET	1		
10	3B-1915	BOLT	1		
11	0L-1351	BOLT	1		
12	2M-8361	COVER	1		
13	7H-3171	PLUG	1		
14	3J-5389	PLUG	1		
15	0S-1590	BOLT	3		
	5M-2894	WASHER	3		

7N-1978 CYLINDER BLOCK GROUP (continued)

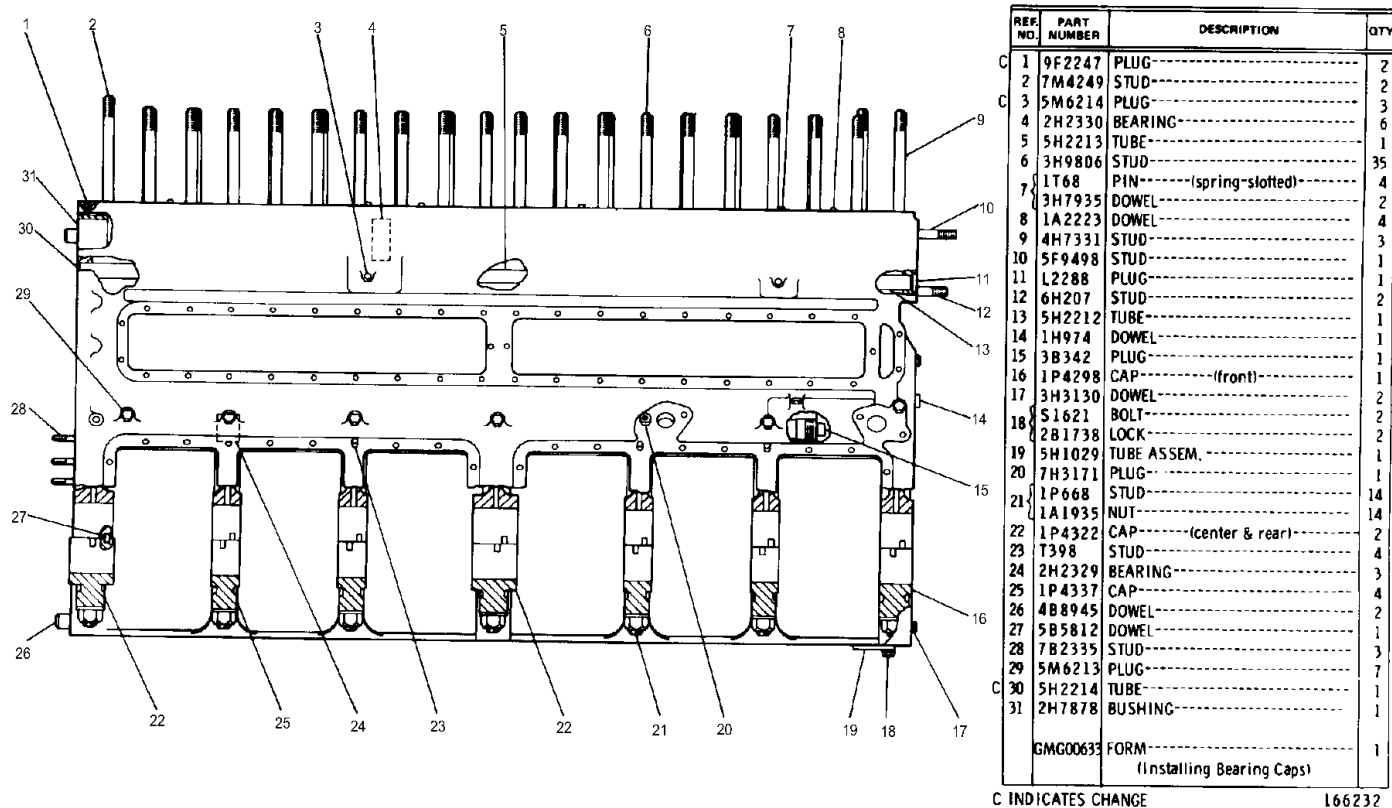
Ref.	Part number	Description	Qty	Code	Group page
	4S-5719	SPACER	3		
16	6L-7815	SEAL	18		
17	5S-1765	TUBE ASSEM.	6		
	0L-1213	GASKET	6		
18	7S-8387	SCREW	6		
	5S-1770	LOCK	6		
19	6N-1238	COVER	1		
	5H-1032	GASKET	1		
20	7N-2053	CYLINDER BLOCK ASSEM.	1	Y	
(Separate Illustration)					

CAT codes: Y.

4N-5051 CYLINDER BLOCK ASSEMBLY

4N5051 CYLINDER BLOCK ASSEMBLY Serial No. 97U3095, 97U3103 & 97U3284 to 97U7512 inclusive Part of 4N6627
Cylinder Block Group shown on Page 18

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	9F-2247	PLUG	2	C	
2	7M-4249	STUD	2		
3	5M-6214	PLUG	3	C	
4	2H-2330	BEARING	6		
5	5H-2213	TUBE	1		
6	3H-9806	STUD	35		
7	1T-0068	PIN (spring slotted)	4		
	3H-7935	DOWEL	2		
8	1A-2223	DOWEL	4		
9	4H-7331	STUD	3		
10	5F-9498	STUD	1		
11	0L-2288	PLUG	1		
12	6H-0207	STUD	2		
13	5H-2212	TUBE	1		
14	1H-0974	DOWEL	1		
15	3B-0342	PLUG	1		

4N-5051 CYLINDER BLOCK ASSEMBLY (continued)

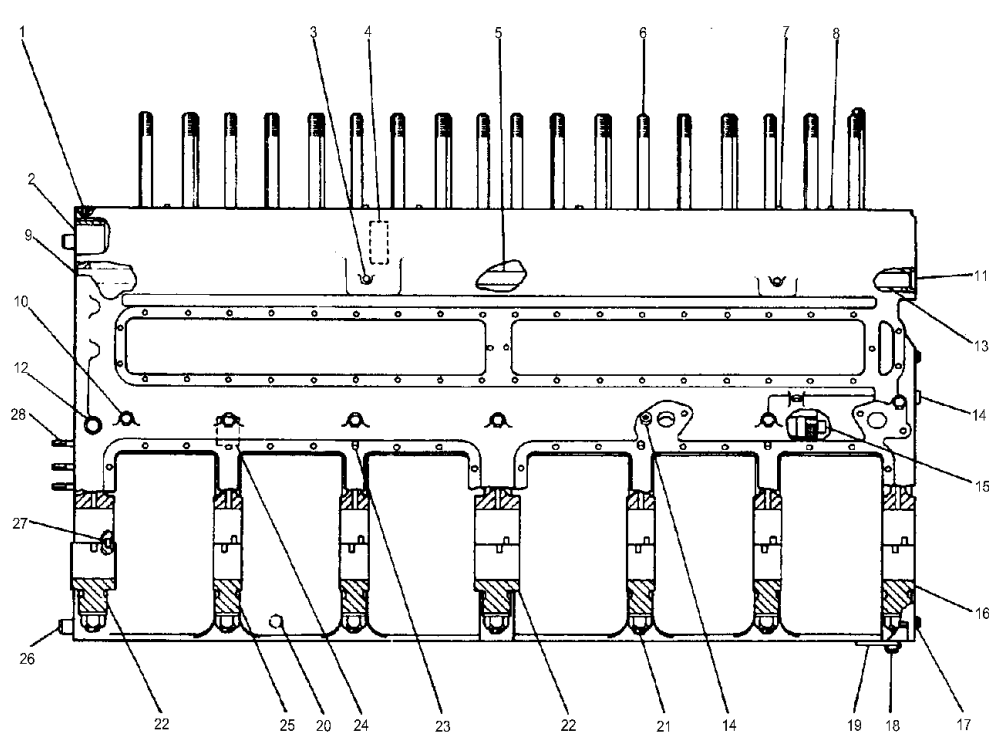
Ref.	Part number	Description	Qty	Code	Group page
16	1P-4298	CAP (front)	1		
17	3H-3130	DOWEL	2		
18	0S-1621	BOLT	2		
	2B-1738	LOCK	2		
19	5H-1029	TUBE ASSEM.	1		
20	7H-3171	PLUG	1		
21	1P-0668	STUD	14		
	1A-1935	NUT	14		
22	1P-4322	CAP (center & rear)	2		
23	0T-0398	STUD	4		
24	2H-2329	BEARING	3		
25	1P-4337	CAP	4		
26	4B-8945	DOWEL	2		
27	5B-5812	DOWEL	1		
28	7B-2335	STUD	3		
29	5M-6213	PLUG	7		
30	5H-2214	TUBE	1	C	
31	2H-7878	BUSHING	1		

CAT codes: C.

7N-2053 CYLINDER BLOCK ASSEMBLY

7N2053 CYLINDER BLOCK ASSEMBLY Serial No. 97U7513-Up Part of 7N1978 Cylinder Block Group shown on Page 18A

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
C 1	9F2247	PLUG	1
2	2H7878	BUSHING	1
C 3	5M6214	PLUG	4
4	2H2330	BEARING	6
5	5H2213	TUBE	1
6	3H9806	STUD	35
7	1T68	PIN (spring-slotted)	4
8	3H7935	DOWEL	2
9	1A2223	DOWEL	4
10	5H2214	TUBE	1
11	5M6213	PLUG	7
12	L2288	PLUG	1
13	3J5390	PLUG	1
14	5H2212	TUBE	1
15	1H974	DOWEL	2
16	3B342	PLUG	1
17	1P4298	CAP (front)	1
18	3H3130	DOWEL	2
19	S1621	BOLT	2
20	2B1738	LOCK	2
21	5H1029	TUBE ASSEM.	1
22	8F6575	PLUG	1
23	1P668	STUD	14
24	1A1935	NUT	14
25	1P4322	CAP (center & rear)	2
26	T398	STUD	4
27	2H2329	BEARING	3
28	1P4337	CAP	4
	4B8945	DOWEL	2
	5B5812	DOWEL	1
	7B2335	STUD	3
	GMG00635	FORM (Installing Bearing Caps)	1

C INDICATES CHANGE

165723

Ref.	Part number	Description	Qty	Code	Group page
1	9F-2247	PLUG	1	C	
2	2H-7878	BUSHING	1		
3	5M-6214	PLUG	4	C	
4	2H-2330	BEARING	6		
5	5H-2213	TUBE	1		
6	3H-9806	STUD	35		
7	1T-0068	PIN (spring-slotted)	4		
	3H-7935	DOWEL	2		
8	1A-2223	DOWEL	4		
9	5H-2214	TUBE	1		
10	5M-6213	PLUG	7		
11	0L-2288	OLUG	1		
12	3J-5390	PLUG	1		
13	5H-2212	TUBE	1		
14	1H-0974	DOWEL	2		
15	3B-0342	PLUG	1		

7N-2053 CYLINDER BLOCK ASSEMBLY (continued)

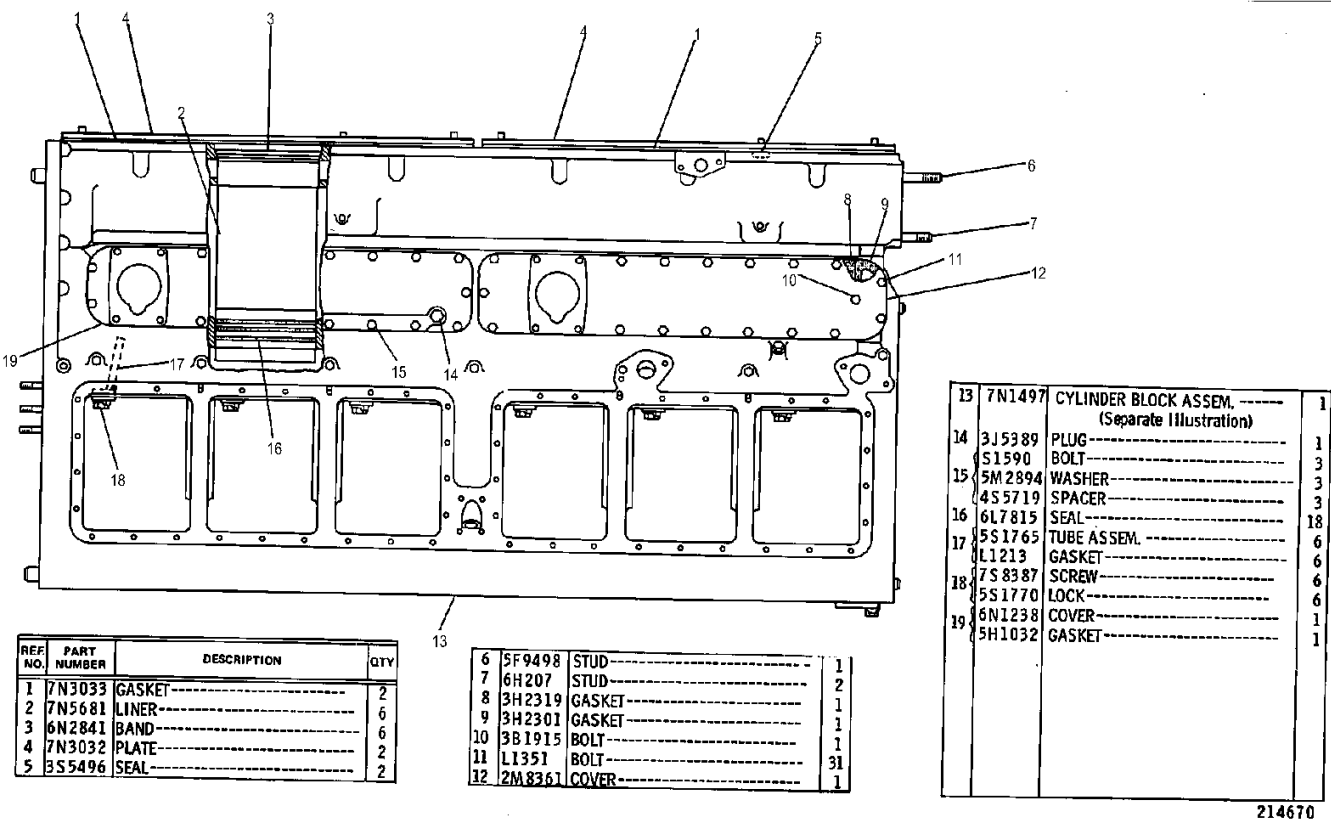
Ref.	Part number	Description	Qty	Code	Group page
16	1P-4298	CAP (front)	1		
17	3H-3130	DOWEL	2		
18	0S-1621	BOLT	2		
	2B-1738	LOCK	2		
19	5H-1029	TUBE ASSEM.	1		
20	8F-6575	PLUG	1		
21	1P-0668	STUD	14		
	1A-1935	NUT	14		
22	1P-4322	CAP (center & rear)	2		
23	0T-0398	STUD	4		
24	2H-2329	BEARING	3		
25	1P-4337	CAP	4		
26	4B-8945	DOWEL	2		
27	5B-5812	DOWEL	1		
28	7B-2335	STUD	3		

CAT codes: C.

7N-3044 CYLINDER BLOCK GP

7N3044 CYLINDER BLOCK GROUP 7N1497 Block parts are shown on Page 19C

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	7N-3033	GASKET	2		
2	7N-5681	LINER	6		
3	6N-2841	BAND	6		
4	7N-3032	PLATE	2		
5	3S-5496	SEAL	2		
6	5F-9498	STUD	1		
7	6H-0207	STUD	2		
8	3H-2319	GASKET	1		
9	3H-2301	GASKET	1		
10	3B-1915	BOLT	1		
11	0L-1351	BOLT	31		
12	2M-8361	COVER	1		
13	7N-1497	CYLINDER BLOCK ASSEM.	1	Y	
14	3J-5389	PLUG	1		
15	0S-1590	BOLT	3		

7N-3044 CYLINDER BLOCK GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
	5M-2894	WASHER	3		
	4S-5719	SPACER	3		
16	6L-7815	SEAL	18		
17	5S-1765	TUBE ASSEM.	6		
	0L-1213	GASKET	6		
18	7S-8387	SCREW	6		
	5S-1770	LOCK	6		
19	6N-1238	COVER	1		
	5H-1032	GASKET	1		
CAT source note: Separate Illustration CAT source note; shown as provided					

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