

CATERPILLAR 627B

15S / SEBP1014

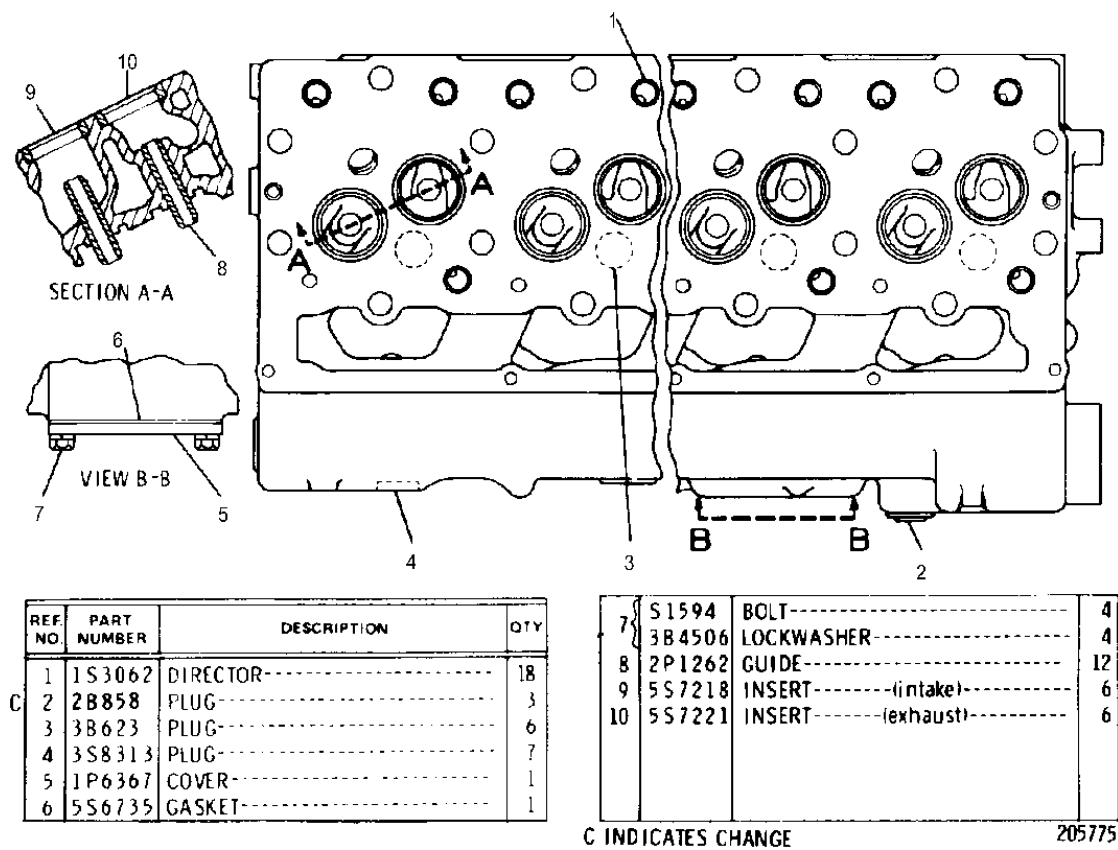
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4N-7446 CYLINDER HEAD AS

4N7446 CYLINDER HEAD ASSEMBLY Part of 2P9573 Normalizing Arrangement and 2P6476, 2P6486, 2P6496 and 6N1879 Cylinder Head Groups shown on Pages 41 through 44

Drawing 1 of 1



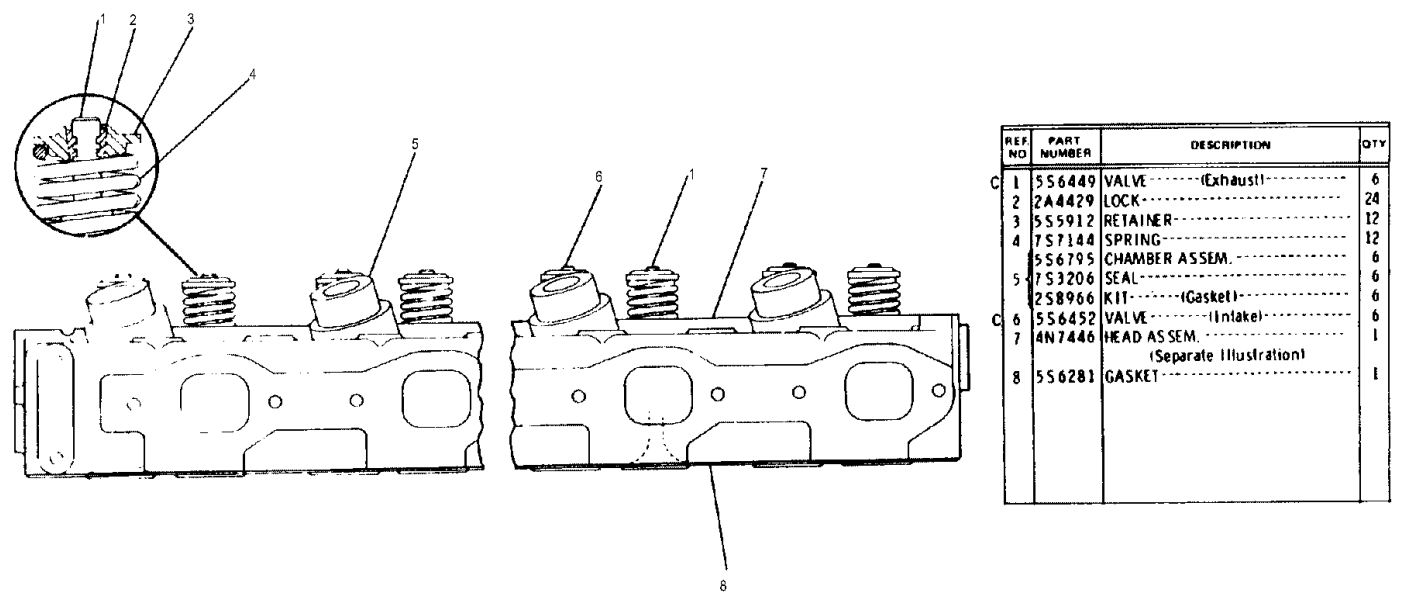
Ref.	Part number	Description	Qty	Code	Group page
1	1S-3062	DIRECTOR	18		
2	2B-0858	PLUG	3	C	
3	3B-0623	PLUG	6		
4	3S-8313	PLUG	7		
5	1P-6367	COVER	1		
6	5S-6735	GASKET	1		
7	0S-1594	BOLT	4		
	3B-4506	LOCKWASHER	4		
8	2P-1262	GUIDE	12		
9	5S-7218	INSERT (intake)	6		
10	5S-7221	INSERT (exhaust)	6		

CAT codes: C.

2P-6476 CYLINDER HEAD GP

CYLINDER HEAD (2P6476 N/S) Part of 4N7361, 4N7363, 4N7364, 1P9587 and 2P6792 Engine Arrangements 4N7446
Cylinder Head parts are shown on Page 40

Drawing 1 of 1



C INDICATES CHANGE
144577

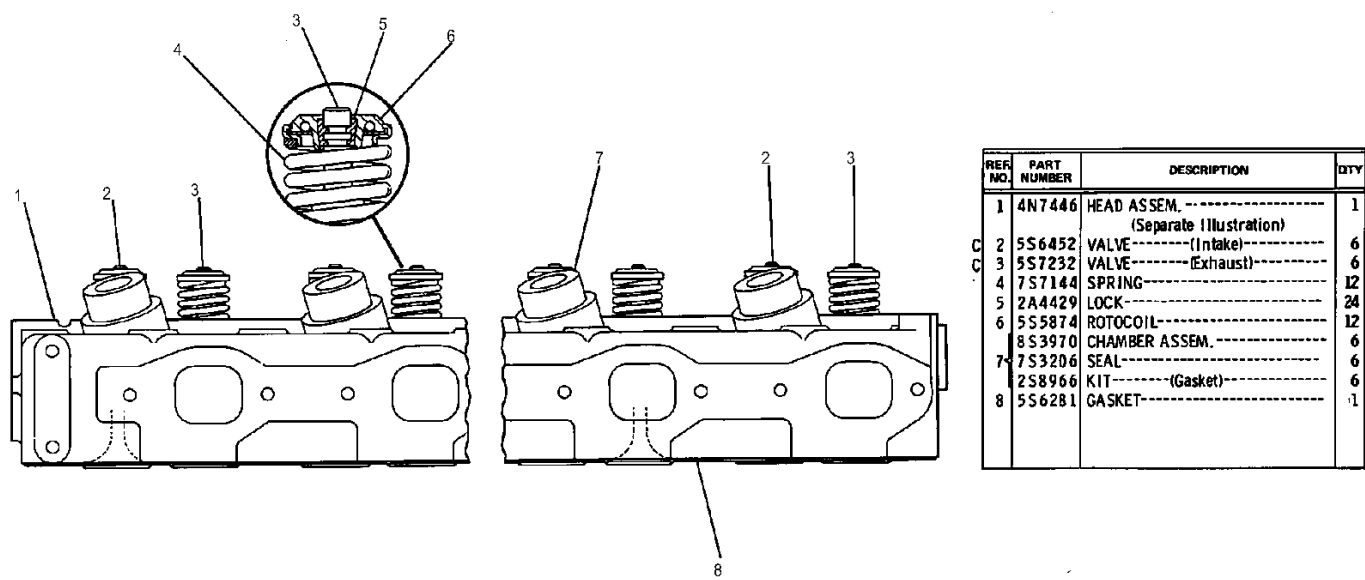
Ref.	Part number	Description	Qty	Code	Group page
1	5S-6449	VALVE (Exhaust)	6	C	
2	2A-4429	LOCK	24		
3	5S-5912	RETAINER	12		
4	7S-7144	SPRING	12		
5	5S-6795	CHAMBER ASSEM.	6		
	7S-3206	SEAL	6		
	2S-8966	KIT (Gasket)	6		
6	5S-6452	VALVE (Intake)	6	C	
7	4N-7446	HEAD ASSEM.	1	Y	
	(Separate Illustration)				
8	5S-6281	GASKET	1		

CAT codes: C, Y.

2P-6486 CYLINDER HEAD GP

CYLINDER HEAD (2P6486 N/S) Part of 4N3571, 4N5359, 4N7365, 4N7366, 4N7367, 4N7368, 4N7369, 4N7370, 4N7371, 4N7372, 4N7373, 6N482, 6N484, 6N486, 6N488, 2P9637 and 3P75 Engine Arrangements. 4N7446 Cylinder Head parts are shown on Page 40

Drawing 1 of 1



C INDICATES CHANGE
144578

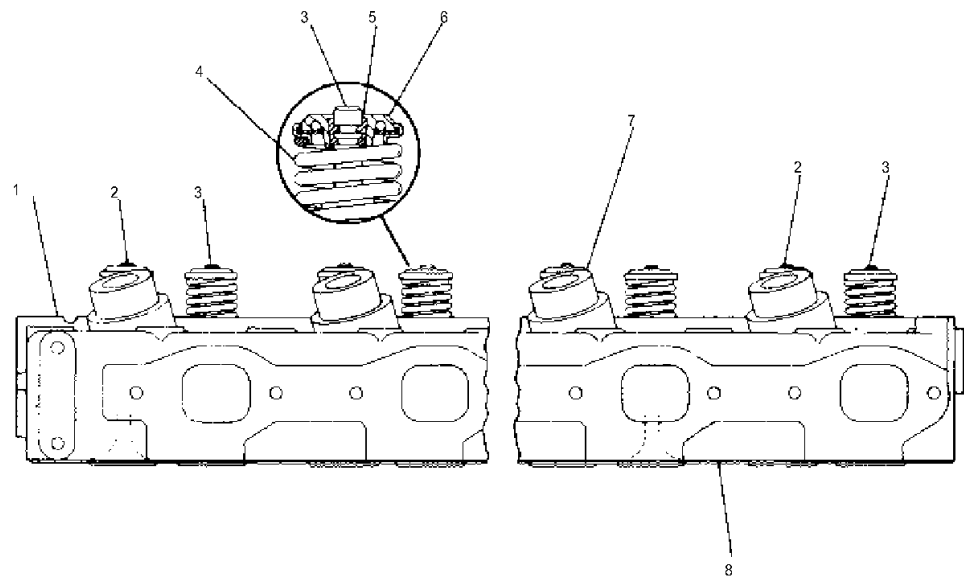
Ref.	Part number	Description	Qty	Code	Group page
1	4N-7446	HEAD ASSEM.	1	Y	
		(Separate Illustration)			
2	5S-6452	VALVE (Intake)	6	C	
3	5S-7232	VALVE (Exhaust)	6	C	
4	7S-7144	SPRING	12		
5	2A-4429	LOCK	24		
6	5S-5874	ROTOCOIL	12		
7	8S-3970	CHAMBER ASSEM.	6		
	7S-3206	SEAL	6		
	2S-8966	KIT (Gasket)	6		
8	5S-6281	GASKET	1		

CAT codes: C, Y.

2P-6496 CYLINDER HEAD GP

CYLINDER HEAD (2P6496 N/S) Part of 4N4439, 4N7374, 4N7376 and 4N7377 Engine Arrangements 4N7446 Cylinder Head parts are shown on Page 40

Drawing 1 of 1



ITEM	PART NO	DESCRIPTION	QTY
1	4N7446	HEAD ASSEM. (Separate Illustration)	1
C 2	7S8809	VALVE (Intake)	6
C 3	7S6767	VALVE (Exhaust)	6
4	7S7144	SPRING	12
5	2A4429	LOCK	24
6	5S5874	ROTOCOIL	12
7	9S8679	CHAMBER ASSEM.	6
8	7S3206	SEAL	6
	2S8966	KIT (Gasket)	6
	5S6281	GASKET	1

C INDICATES CHANGE
 144679

Ref.	Part number	Description	Qty	Code	Group page
1	4N-7446	HEAD ASSEM. (Separate Illustration)	1	Y	
2	7S-8809	VALVE (Intake)	6	C	
3	7S-6767	VALVE (Exhaust)	6	C	
4	7S-7144	SPRING	12		
5	2A-4429	LOCK	24		
6	5S-5874	ROTOCOIL	12		
7	9S-8679	CHAMBER ASSEM.	6		
	7S-3206	SEAL	6		
	2S-8966	KIT (Gasket)	6		
8	5S-6281	GASKET	1		

CAT codes: C, Y.

6N-1879 CYLINDER HEAD

CYLINDER HEAD (6N1879 N/S) Part of 4N4506, 4N4559, 4N8975 and 6N3414 Engine Arrangements 4N7446 Cylinder Head parts are shown on Page 40

Drawing 1 of 1

REF NO	PART NUMBER	DESCRIPTION	QTY
1	4N7446	HEAD ASSEM. (Separate Illustration)	1
2	7S8809	VALVE (intake)	6
3	7S6767	VALVE (exhaust)	6
4	7S7144	SPRING	12
5	2A4429	LOCK	24
6	5S5874	ROTOCOIL	12
7	8S3970	CHAMBER ASSEM.	6
	7S3206	SEAL	6
	5M2667	GASKET .194 in. (4.9 mm) thick	6
	2S8959	GASKET .223 in. (5.66 mm) thick	6
	2S8960	GASKET .248 in. (6.3 mm) thick	6
8	5S6281	GASKET	1

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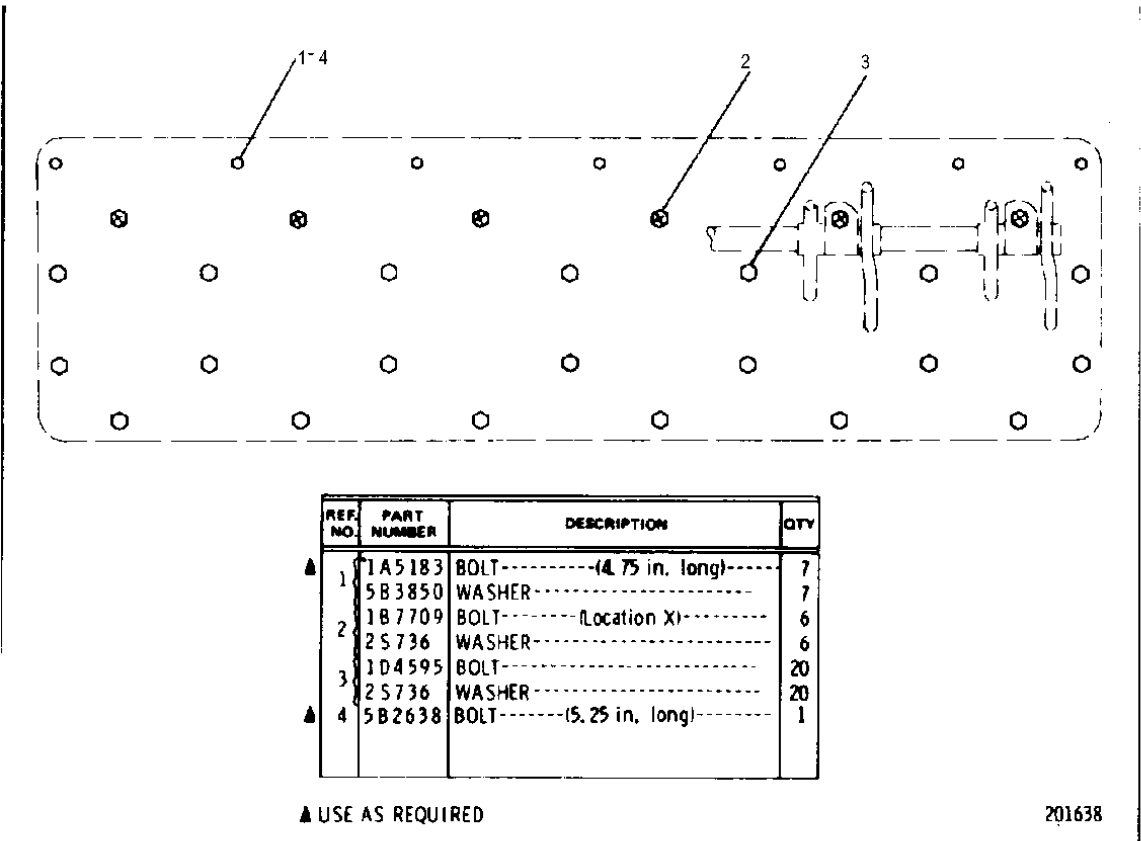
Ref.	Part number	Description	Qty	Code	Group page
1	4N-7446	HEAD ASSEM. (Separate Illustration)	1	Y	
2	7S-8809	VALVE (intake)	6		
3	7S-6767	VALVE (exhaust)	6		
4	7S-7144	SPRING	12		
5	2A-4429	LOCK	24		
6	5S-5874	ROTOCOIL	12		
7	8S-3970	CHAMBER ASSEM.	6		
	7S-3206	SEAL	6		
	5M-2667	GASKET .194 in. (4.9 mm) thick	6		
	2S-8959	GASKET .223 in. (5.66 mm) thick	6		
	2S-8960	GASKET .248 in. (6.3 mm) thick	6		
8	5S-6281	GASKET	1		

CAT codes: Y.

2P-6546 FASTENER GP-CYLINDER HEAD

CYLINDER HEAD FASTENER (2P6546 N/S) Part of all Engine Arrangements

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	1A-5183	BOLT (4.75 in. long)	7	H	
	5B-3850	WASHER	7		
2	1B-7709	BOLT (Location X)	6		
	2S-0736	WASHER	6		
3	1D-4595	BOLT	20		
	2S-0736	WASHER	20		
4	5B-2638	BOLT (5.25 in. long)	1	H	

CAT codes: USE.

2P-6531 COVER GP-CYLINDER HEAD

CYLINDER HEAD COVER (2P6531 N/S) Part of 4N5359, 4N7365, 4N7366 and 4N7372 Engine Arrangements

Drawing 1 of 1

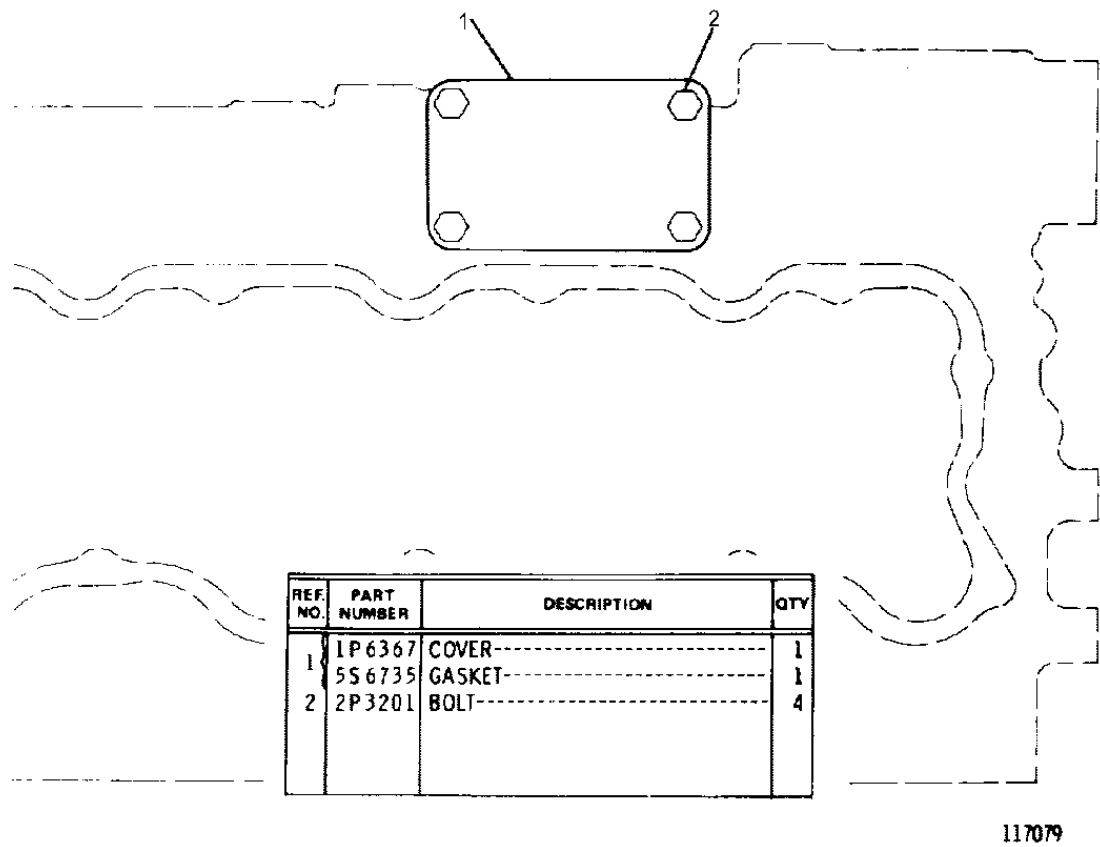


Ref.	Part number	Description	Qty	Code	Group page
1	1P-6758	COVER	1		
	5S-6735	GASKET	1		
2	2P-3203	BOLT	4		

2P-6530 COVER GP-CYLINDER HEAD

2P6530 CYLINDER HEAD COVER GROUP Part of 4N3571, 4N4506, 4N4559, 4N7361, 4N7363, 4N7364, 4N7367, 4N7368, 4N7369, 4N7370, 4N7371, 4N7373, 4N7374, 4N7376, 4N7377, 4N8975, 6N482, 6N484, 6N486, 6N488, 6N3414, 1P9587, 2P6792, 2P9637 & 3P75 Engine Arrangements

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	1P-6367	COVER	1		
	5S-6735	GASKET	1		
2	2P-3201	BOLT	4		

9N-0136 COVER GP-CYLINDER HEAD

9N136 CYLINDER HEAD COVER GROUP Part of 4N4439 Engine Arrangement

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	0S-1588	BOLT	4		
	5M-2894	WASHER	4		
2	9L-5316	COVER	1		
	5S-6735	GASKET	1		

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