

CATERPILLAR 627B

38V / SEBP7405

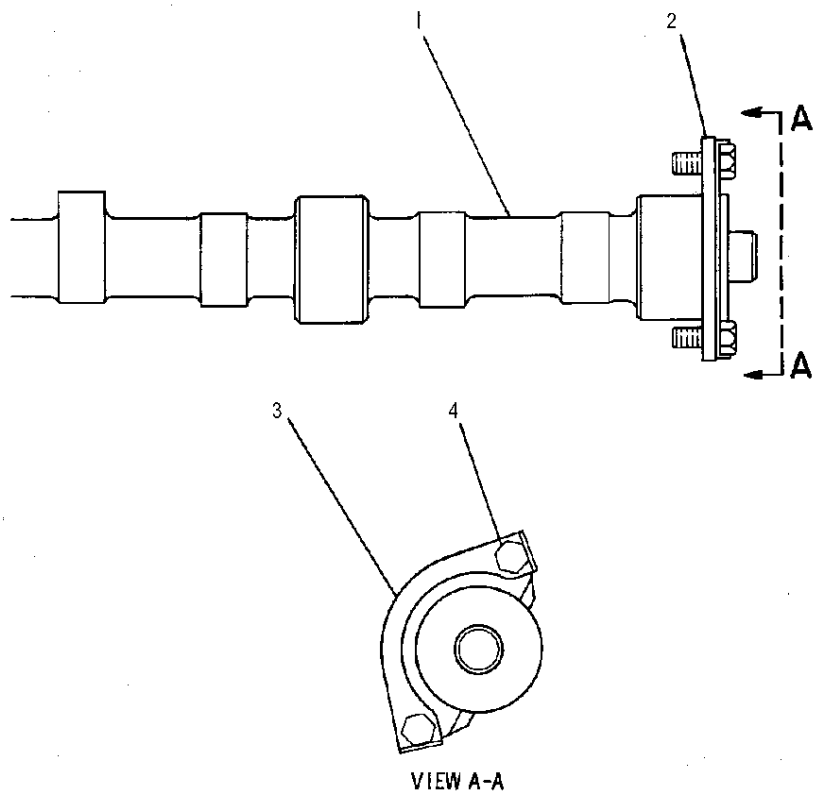
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Basic engine	
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1N-4406 CAMSHAFT GP

1N-4406 CAMSHAFT GP S/N 6NC1-UP; R6J1-UP; 08Z1-UP SINGLE

Drawing 1 of 1



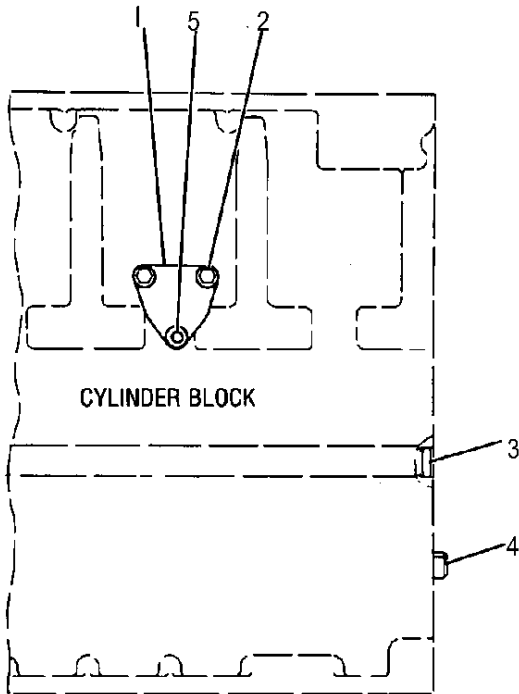
Ref.	Part number	Description	Qty	Code	Group page
1	7E-9980	CAMSHAFT	1		
2	7S-2204	WASHER-THRUST	1		
3	8S-1491	LOCK	1		
4	0S-0509	BOLT (3/8-16X0.75-IN)	2		

CAT codes: R.

8N-3163 COVER GP-CYLINDER BLOCK

8N-3163 COVER GP-CYLINDER BLOCK S/N 6NC1-UP; R6J1-UP; 08Z1-UP

Drawing 1 of 1

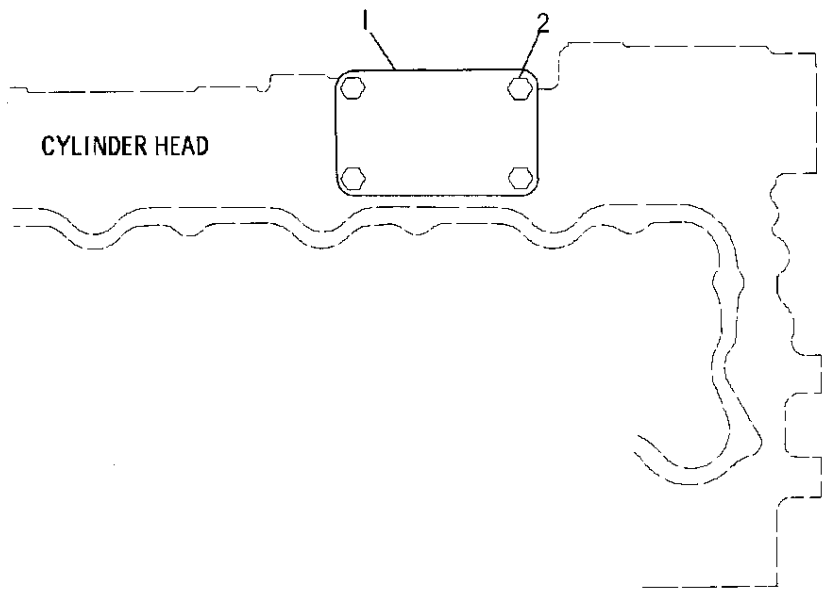


Ref.	Part number	Description	Qty	Code	Group page
1	8L-8662	COVER	1		
	5S-8055	GASKET	1		
2	0L-1351	BOLT (3/8-16X0.875-IN)	2		
	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	2		
3	4B-3938	PLUG-CUP	1		
4	2A-3798	DOWEL	2		
5	8M-3267	SCREW-HEX SOCKET (3/8-16X0.75-IN)	1		

2P-6530 COVER GP-CYLINDER HEAD

2P-6530 COVER GP-CYLINDER HEAD S/N 6NC1-UP; R6J1-UP; 08Z1-UP

Drawing 1 of 1



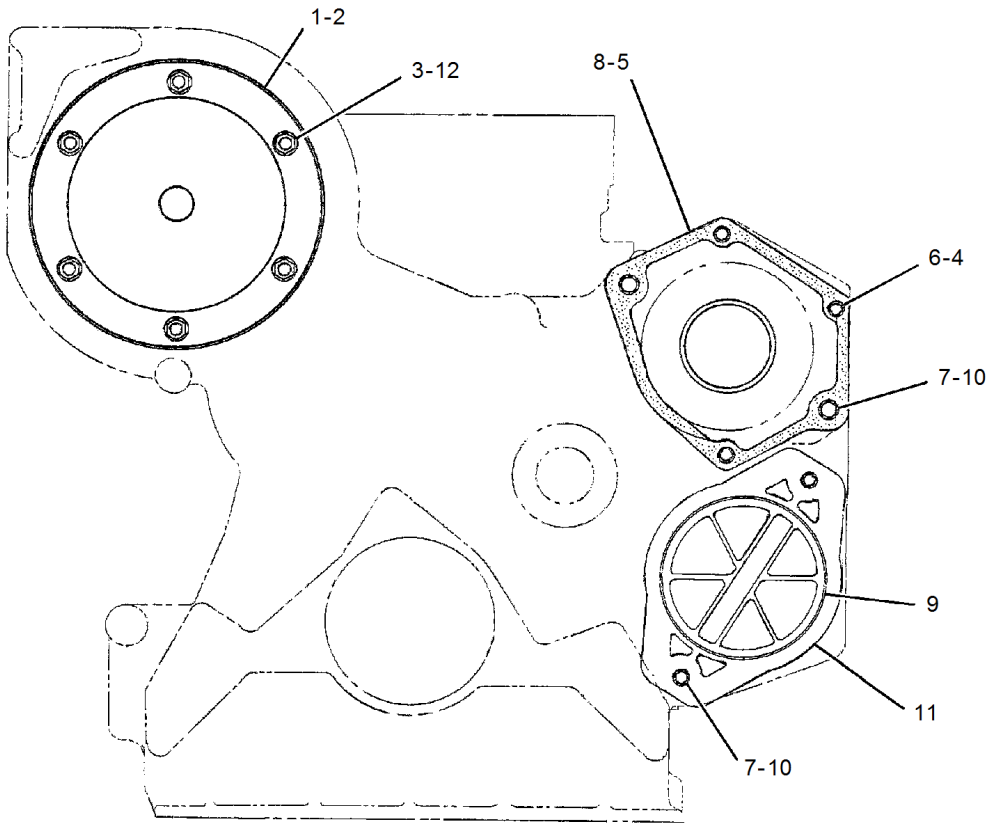
Ref.	Part number	Description	Qty	Code	Group page
1	1P-6367	COVER	1		
	5S-6735	GASKET	1		
2	0S-1594	BOLT (3/8-16X1-IN)	4	B	
	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	4	B	

CAT codes: B.

2P-6528 COVER GP-FRONT HOUSING

2P-6528 COVER GP-FRONT HOUSING S/N 6NC1-UP; R6J1-UP; 08Z1-UP

Drawing 1 of 1



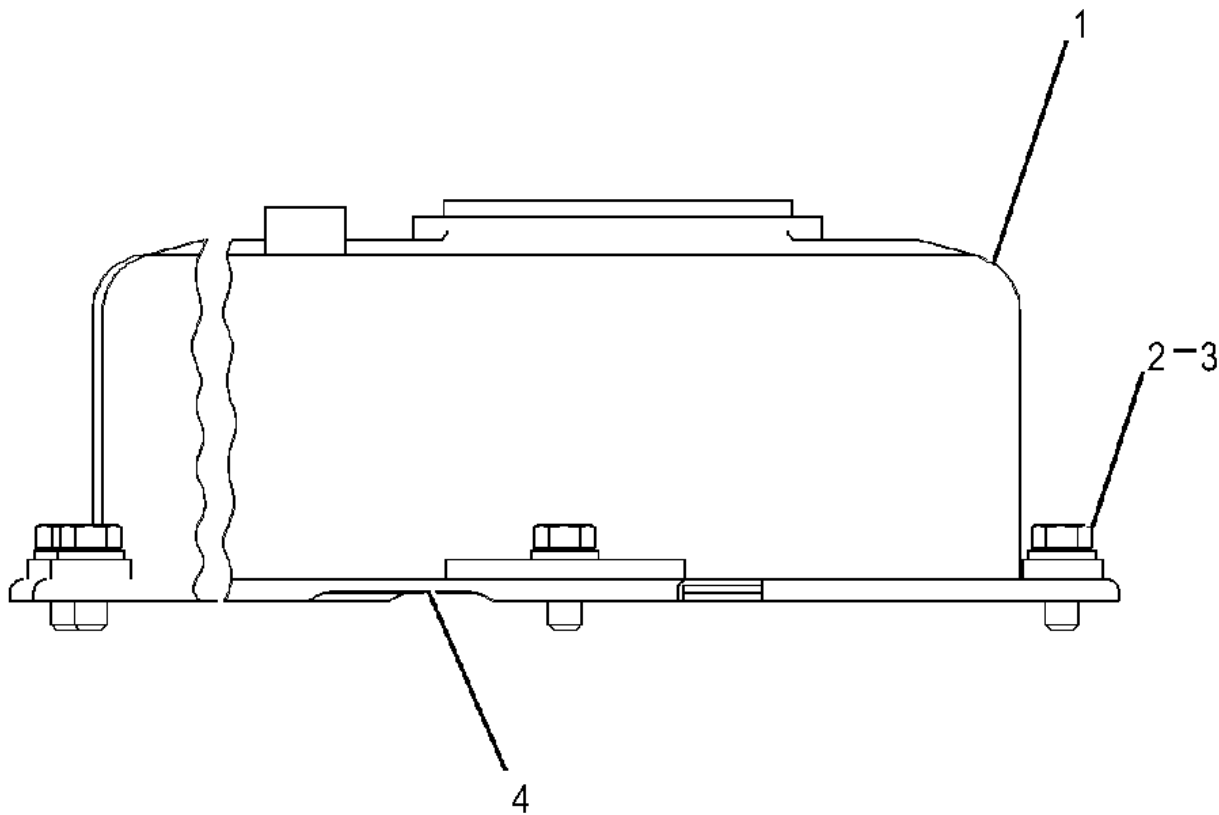
FRONT VIEW OF ENGINE

Ref.	Part number	Description	Qty	Code	Group page
1	9N-5769	COVER-HOUSING	1		
2	6N-7887	GASKET-HOUSING COVER	1		
3	3S-2713	NUT-FULL (3/8-24-THD)	6		
4	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	3		
5	1W-4542	COVER-WATER PUMP	1		
6	3B-1915	BOLT (3/8-16X1.375-IN)	3		
7	0S-1566	BOLT (5/8-11X1.5-IN)	4		
8	2P-0220	GASKET-PUMP	1		
9	5F-3106	SEAL-O-RING	1		
10	5P-8247	WASHER-HARD (17X32X3.5-MM THK)	4		
11	7N-8374	COVER-PUMP	1		
12	8M-9024	WASHER-HARD (10.2X22.5X5-MM THK)	6		

8N-4745 COVER GP-VALVE MECHANISM

8N-4745 COVER GP-VALVE MECHANISM S/N 6NC1-UP; R6J1-UP; 08Z1-UP

Drawing 1 of 1

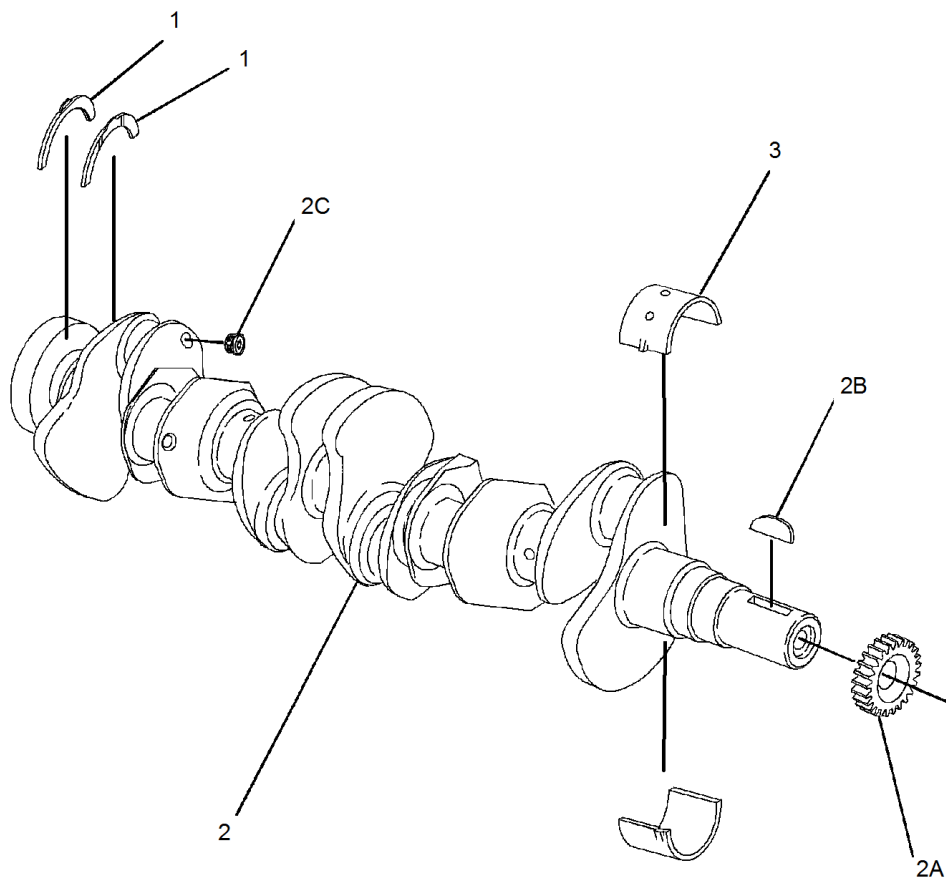


Ref.	Part number	Description	Qty	Code	Group page
1	2W-1086	COVER AS-CYLINDER HEAD	1		
2	0S-1617	BOLT (5/16-18X0.75-IN)	15		
3	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	15		
4	133-1247	SEAL-VALVE COVER	1		

4P-9856 CRANKSHAFT GP

4P-9856 CRANKSHAFT GP S/N 6NC1-UP; R6J1-UP; 08Z1-UP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	100-3652	PLATE-THRUST	2	J	
2	344-2603	CRANKSHAFT AS	1		
2A	4P-7827	GEAR-CRANKSHAFT (33-TEETH)	1		
2B	5H-2671	KEY-WOODRUFF	1		
2C	8T-6757	PLUG-PIPE	6		
3	232-3233	BEARING-MAIN (STANDARD)	7	J	
	8N-8225	BEARING-MAIN (0.25-MM US)		AB	
	8N-8226	BEARING-MAIN (0.51-MM US)		AB	
	8N-8227	BEARING-MAIN (0.76-MM US)		AB	
	8N-8228	BEARING-MAIN (0.51-MM OS)		AB	
	8N-8229	BEARING-MAIN (0.25-MM US, 0.51-MM OS)		AB	
	4P-7305	BEARING-MAIN (0.51-MM OS, 0.51-MM US)		AB	
	4P-7306	BEARING-MAIN (0.51-MM OS, 0.76-MM US)		AB	

4P-9856 CRANKSHAFT GP (continued)

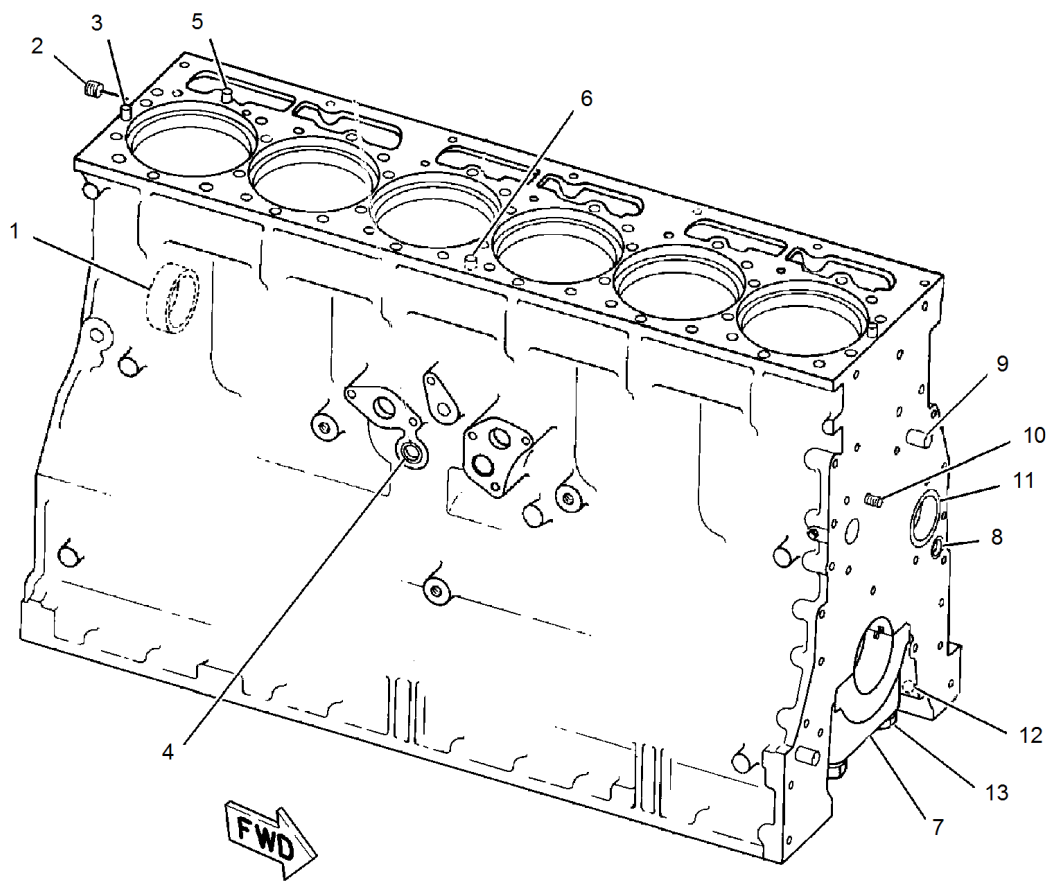
Ref.	Part number	Description	Qty.	Code	Group page
AVAILABLE REPLACEMENT PART(S):					
	196-9534	KIT-BASIC ENGINE REPAIR (MAIN BEARING)		AJ	
(INCLUDES STANDARD BEARINGS & THRUST PLATES)					

CAT codes: A, B, J, R.

1N-3576 CYLINDER BLOCK GP

1N-3576 CYLINDER BLOCK GP S/N 6NC1-UP; R6J1-UP; 08Z1-UP FIELD REPLACEMENT FOR 7N-6550

Drawing 1 of 1

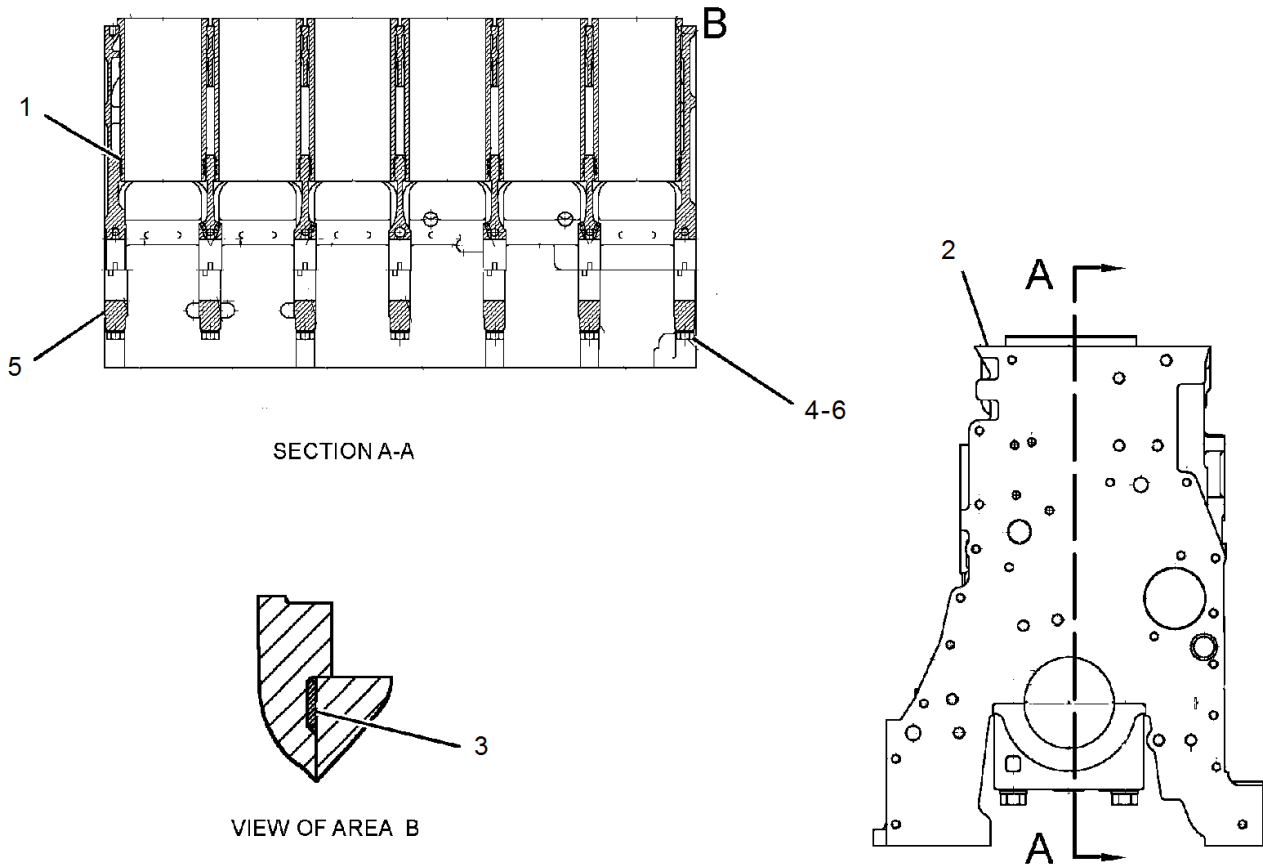


Ref.	Part number	Description	Qty	Code	Group page
1	7M-4046	BUSHING	4		
2	3J-6019	PLUG	1		
3	8K-1207	DOWEL	2		
4	4B-5387	PLUG-CUP	1		
5	1S-9540	DOWEL	1		
6	5B-7652	DOWEL	2		
7	6N-8003	CAP-CRANKSHAFT BEARING	7		
8	4B-3938	PLUG-CUP	1		
9	8B-6349	DOWEL	2		
10	5S-8462	STUD	1		
11	8N-4110	BUSHING	1		
12	4B-9782	BALL	1		
13	7S-3224	BOLT (5/8-11X5.25-IN)	14		
	2S-5658	WASHER-HARD (17X29X3-MM THK)	14		

7N-6550 CYLINDER BLOCK GP

7N-6550 CYLINDER BLOCK GP S/N 6NC1-UP; R6J1-UP; 08Z1-UP PART OF 8N-5286 CYLINDER BLOCK GP FIELD
REPLACEMENT ORDER 1N-3576, 6N-7727 KIT-CYLINDER BLOCK

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	456-5581	SEAL-O-RING	18		
2	371-5941	LINER-CYLINDER	6		
	104-5512	INSERT-LINER SEAT (0.822-MM THK)		ABJ	
	104-5518	INSERT-LINER SEAT (1.605-MM THK)		ABJ	
	104-5527	INSERT-LINER SEAT (2.71-MM THK)		ABJ	
	104-5530	INSERT-LINER SEAT (5.21-MM THK)		ABJ	
(REFER TO SEBF8198 FOUND IN SISWEB FOR LINER INSERTS.)					
3	2W-6134	BAND-FILLER	6		
4	7S-3224	BOLT (5/8-11X5.25-IN)	14		
5	6N-8003	CAP-CRANKSHAFT BEARING	7		
6	2S-5658	WASHER-HARD (17X29X3-MM THK)	14		

CAT codes: A, B, J.

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