

CATERPILLAR 527

3DS / SEBP2590

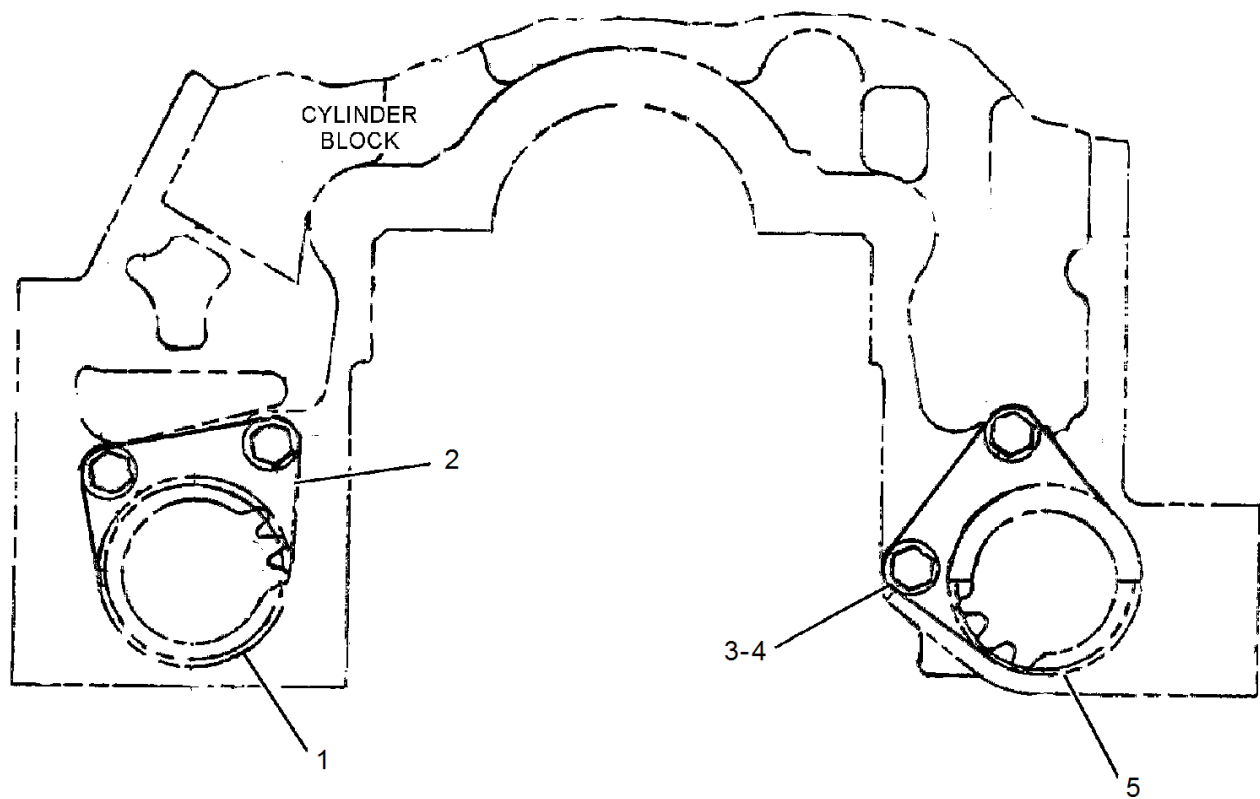
Contents

Section	Page
Basic engine	2
Lubrication system	
Cooling system	
Air inlet and exhaust	
Fuel system	
Basic engine	
Power train	
Electrical and electronics	
Power train	
Frame, guards and enclosure	
Undercarriage	
Power train	
Hydraulic system	
Labels, kits and diagnostics	
Hydraulic system	
Hydraulic system	
Catalog items	

1W-2872 BALANCER GP

1W-2872 BALANCER GP S/N H4G1-UP; 09Z15660-UP PART OF 129-8177 ENGINE AR

Drawing 1 of 1



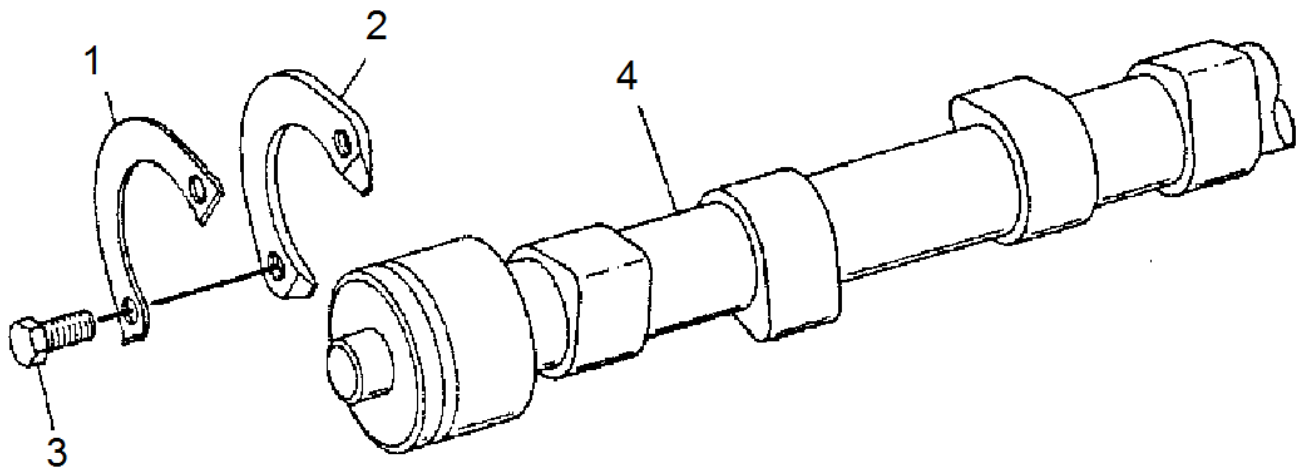
FRONT VIEW OF ENGINE

Ref.	Part number	Description	Qty	Code	Group page
1	486-6738	SHAFT AS (20-TEETH)(RH)	1		
	1B-8707	KEY-WOODRUFF	1		
2	4S-6417	PLATE-THRUST	2		
3	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	4		
4	030-8535	BOLT-LOCKING (3/8-16X0.875-IN)	4		
5	486-6737	SHAFT AS (20-TEETH)(LH)	1		
	1B-8707	KEY-WOODRUFF	1		

1N-4436 CAMSHAFT GP

1N-4436 CAMSHAFT GP S/N H4G1-UP; 09Z15660-UP SINGLE PART OF 129-8177 ENGINE AR

Drawing 1 of 1



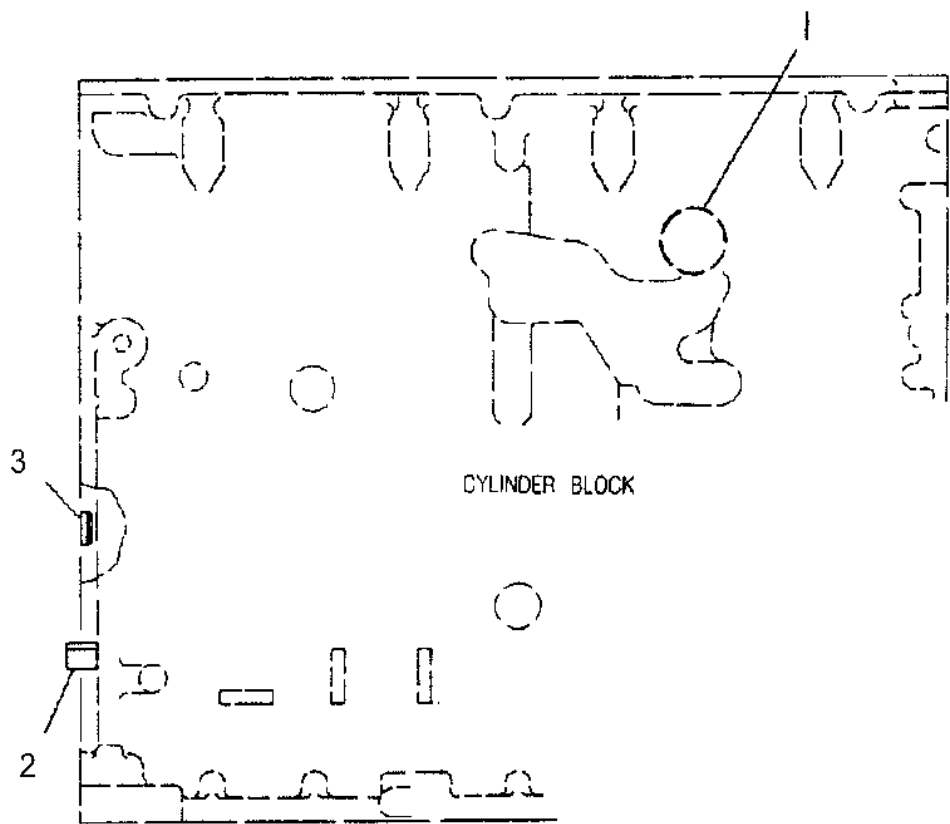
Ref.	Part number	Description	Qty	Code	Group page
1	8S-1491	LOCK	1		
2	7S-2204	WASHER-THRUST	1		
3	0S-0509	BOLT (3/8-16X0.75-IN)	2		
4	7C-3862	CAMSHAFT	1		

CAT codes: R.

2W-0102 COVER GP-CYLINDER BLOCK

2W-0102 COVER GP-CYLINDER BLOCK S/N H4G1-UP; 09Z15660-UP PART OF 129-8177 ENGINE AR

Drawing 1 of 1

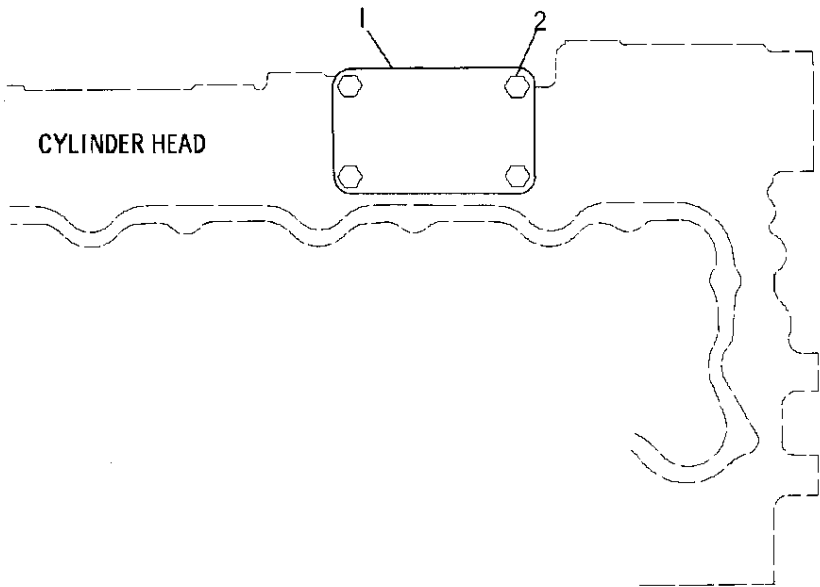


Ref.	Part number	Description	Qty	Code	Group page
1	9L-7657	PLUG-CUP	1		
2	2A-3798	DOWEL	2		
3	4B-3938	PLUG-CUP	1		

2P-6530 COVER GP-CYLINDER HEAD

2P-6530 COVER GP-CYLINDER HEAD S/N H4G1-UP; 09Z15660-UP PART OF 129-8177 ENGINE AR

Drawing 1 of 1



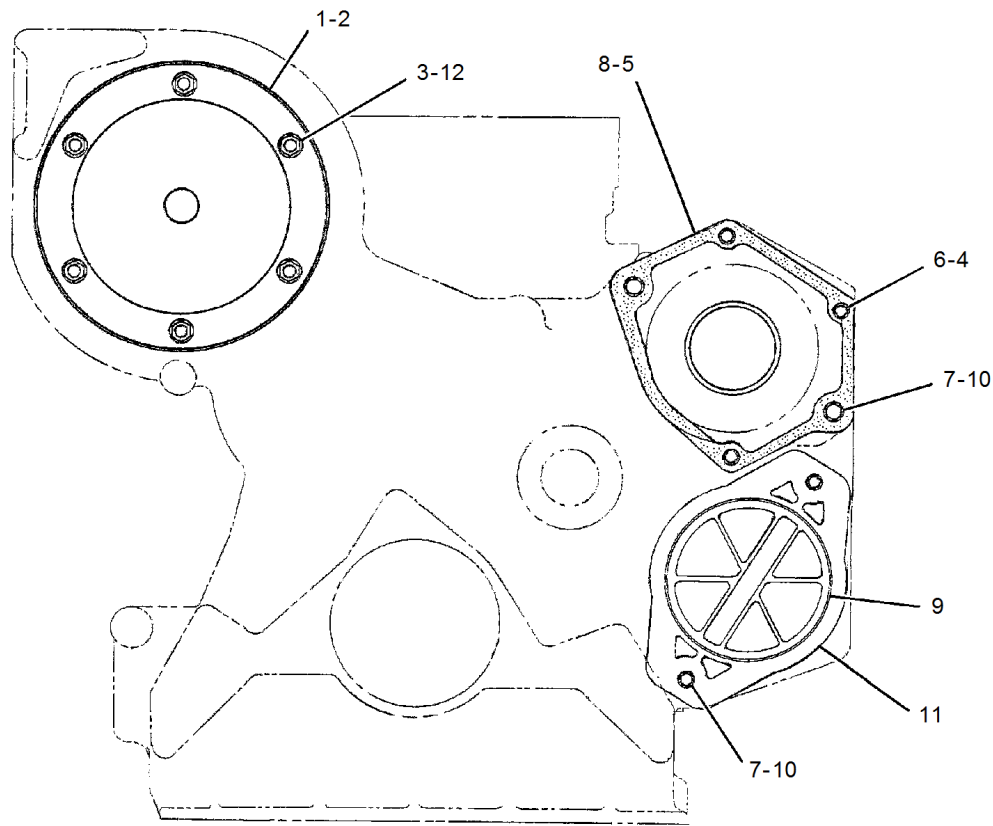
Ref.	Part number	Description	Qty	Code	Group page
1	1P-6367	COVER	1		
	5S-6735	GASKET	1		
2	0S-1594	BOLT (3/8-16X1-IN)	4	B	
	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	4	B	

CAT codes: B.

2P-6528 COVER GP-FRONT HOUSING

2P-6528 COVER GP-FRONT HOUSING S/N H4G1-UP; 09Z15660-UP PART OF 129-8177 ENGINE AR

Drawing 1 of 1



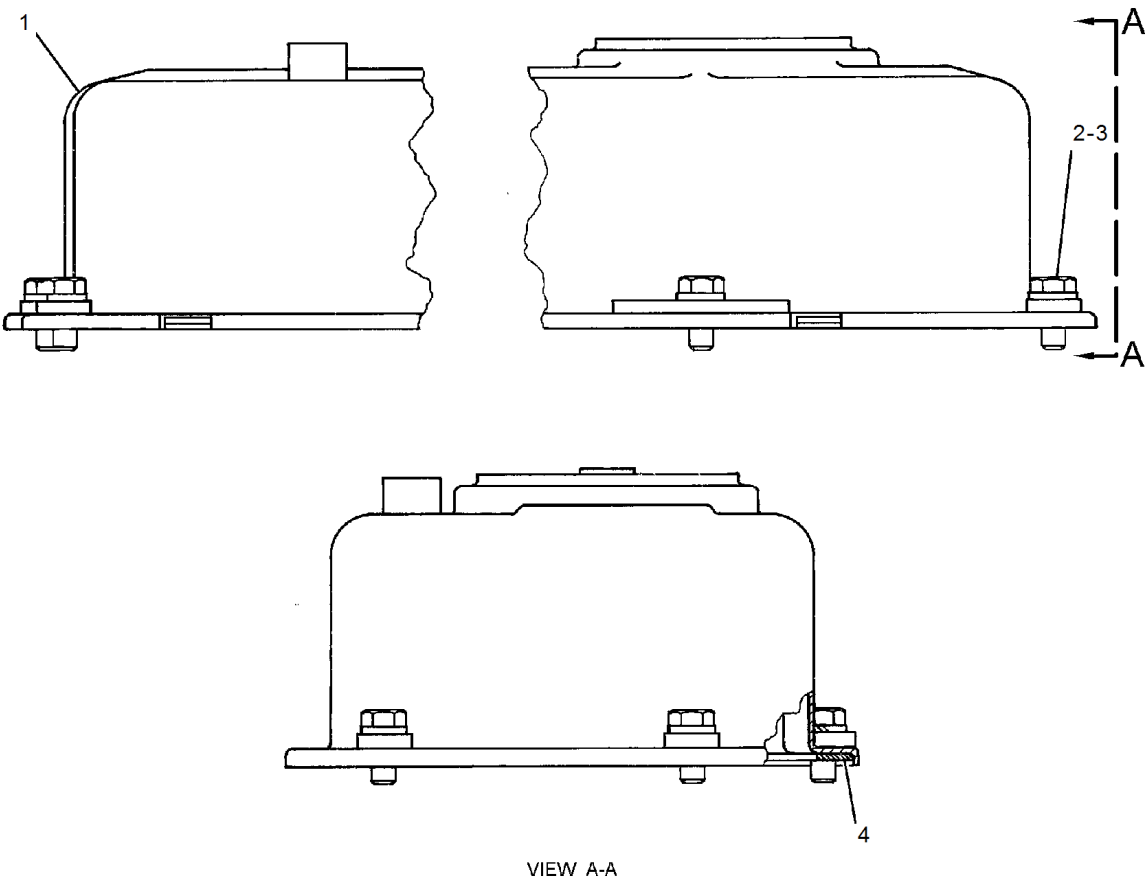
FRONT VIEW OF ENGINE

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-4446 COVER GP-VALVE MECHANISM

8N-4446 COVER GP-VALVE MECHANISM S/N H4G1-UP; 09Z15660-UP PART OF 129-8177 ENGINE AR

Drawing 1 of 1

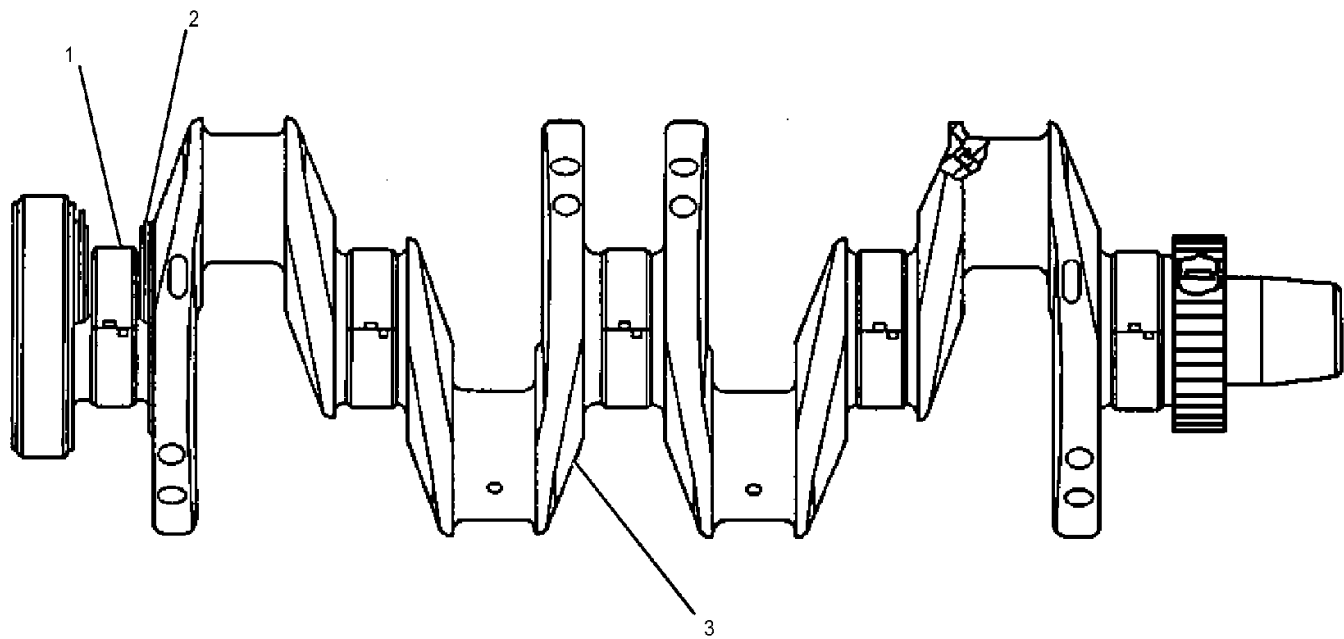


Ref.	Part number	Description	Qty	Code	Group page
1	2W-1084	COVER AS-CYLINDER HEAD	1		
	8S-0801	NUT-WELD	1		
	7S-5913	REINFORCEMENT (VALVE COVER)	7		
2	0S-1617	BOLT (5/16-18X0.75-IN)(VALVE MECHANISM)	11		
3	3B-4505	LOCKWASHER	11		
4	8S-1606	GASKET-COVER (VALVE MECHANISM)	1		

6N-8080 CRANKSHAFT GP

6N-8080 CRANKSHAFT GP S/N H4G1-UP; 09Z15660-UP PART OF 129-8177 ENGINE AR

Drawing 1 of 1



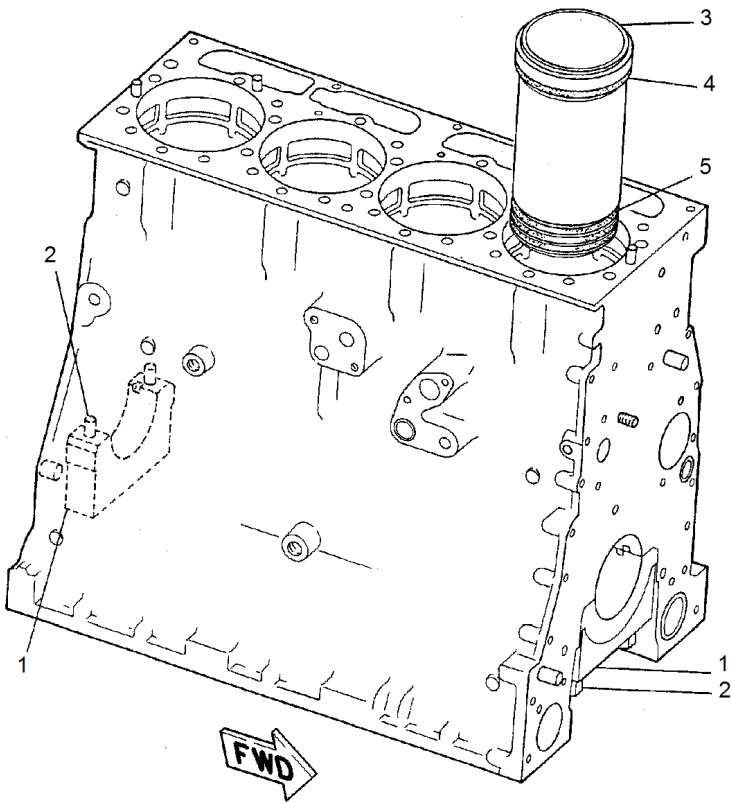
Ref.	Part number	Description	Qty	Code	Group page
1	232-3233	BEARING-MAIN (STANDARD)	5		
	8N-8225	BEARING-MAIN (0.25-MM US)		AB	
	8N-8226	BEARING-MAIN (0.51-MM US)		AB	
	8N-8227	BEARING-MAIN (0.76-MM US)		AB	
	8N-8228	BEARING-MAIN (0.51-MM OS)		AB	
	8N-8229	BEARING-MAIN (0.25-MM US, 0.51-MM OS)(0.25-MM 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	
2	100-3652	PLATE-THRUST	2		
3	337-0872	CRANKSHAFT AS	1	C	
	1W-4405	GEAR-CRANKSHAFT (40-TEETH)	1		
	5H-2671	KEY-WOODRUFF	1		
	8T-6757	PLUG-PIPE	4		
AVAILABLE REPAIR KIT(S):					
	196-9532	KIT-BASIC ENGINE REPAIR (STANDARD MAIN BEARINGS)		A	
(INCLUDES A COMPLETE SET OF STANDARD MAIN BEARINGS & THRUST PLATES)					

CAT codes: A, B, C, R.

7N-6552 CYLINDER BLOCK AS

7N-6552 CYLINDER BLOCK AS S/N H4G1-UP; 09Z15660-UP PART OF 7N-6553 CYLINDER BLOCK GP FIELD
REPLACEMENT ORDER 1N-3574, 6N-7725 KIT-CYLINDER BLOCK

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	6N-8003	CAP-CRANKSHAFT BEARING	5		
2	7S-3224	BOLT (5/8-11X5.25-IN)	10		
	2S-5658	WASHER-HARD (17X29X3-MM THK)	10		
3	371-5941	LINER-CYLINDER	4		
4	2W-6134	BAND-FILLER	4		
5	456-5581	SEAL-O-RING	12		
	104-5512	INSERT-LINER SEAT (0.822-MM THK)		ABF	
	104-5513	INSERT-LINER SEAT (0.872-MM THK)		ABF	
	104-5511	INSERT-LINER SEAT (0.772-MM THK)		ABF	
	104-5518	INSERT-LINER SEAT (1.605-MM THK)		ABF	
	104-5515	INSERT-LINER SEAT (1.555-MM THK)		ABF	
	104-5522	INSERT-LINER SEAT (1.655-MM THK)		ABF	
	104-5527	INSERT-LINER SEAT (2.71-MM THK)		ABF	
	104-5528	INSERT-LINER SEAT (2.76-MM THK)		ABF	

7N-6552 CYLINDER BLOCK AS (continued)

Ref.	Part number	Description	Qty	Code	Group page
	104-5526	INSERT-LINER SEAT (2.66-MM THK)		ABF	
	104-5530	INSERT-LINER SEAT (5.21-MM THK)		ABF	
	104-5529	INSERT-LINER SEAT (5.16-MM THK)		ABF	
	104-5531	INSERT-LINER SEAT (5.26-MM THK)		ABF	
	8S-6045	SHIM (0.007-MM THK)(CYLINDER LINER)		ABF	
	8S-6046	SHIM (0.008-MM THK)(CYLINDER LINER)		ABF	
	8S-6047	SHIM (0.009-MM THK)(CYLINDER LINER)		ABF	
	8S-6048	SHIM (0.015-MM THK)(CYLINDER LINER)		ABF	
	8S-6049	SHIM (0.029-MM THK)(CYLINDER LINER)		ABF	

CAT codes: A, B, F.

MANUALS-KOMATSU.COM

Complete Caterpillar PDF Parts Catalogue

3DS-SEBP2590

\$99

Buy on this catalogue page in our store.

Download instructions are sent after payment confirmation.

Buy complete PDF - \$99