

CATERPILLAR 3306

4WB / ZEBP1433

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2Y-7745 ENGINE ARRANGEMENT

2Y7745 ENGINE ARRANGEMENT - Part 1 of 2 Serial Number 4WB1 - Up. Precombustion Chambered Turbocharged
NOTE: WHEN ORDERING PARTS GIVE ARRANGEMENT NUMBER AND SERIAL NUMBER

Arrangement composition. Follow the table links to the component drawings.

Ref.	Part number	Description	Qty	Code	Group page
	8N-3021	CYLINDER BLOCK GROUP	1	Y	4
	7N-1292	CYLINDER BLOCK COVER GROUP	1	Y	7
	2Y-5206	CRANKSHAFT GROUP	1	Y	8
	2P-6224	CRANKSHAFT SEAL GROUP	1	Y	10
	2P-6272	CONNECTING ROD AND PISTON GROUP	6	Y	
	1N-4406	SINGLE CAMSHAFT GROUP	1	Y	
	9N-2382	CYLINDER HEAD GROUP	1	Y	
	2P-6530	CYLINDER HEAD COVER GROUP	1	Y	
	2P-6546	CYLINDER HEAD FASTENER GROUP	1	Y	
	2P-6526	VALVE MECHANISM GROUP	1	Y	
	2P-6516	VALVE MECHANISM COVER GROUP	1	Y	
	6N-8326	ENGINE LIFTING GROUP	1	Y	
	7N-0744	ENGINE SUPPORT GROUP	1	Y	
or					
	7N-8143	ENGINE SUPPORT GROUP	1	Y	
	2P-9641	FRONT HOUSING GROUP	1	Y	
	2P-7831	FAN DRIVE GROUP	1	Y	
	1W-6445	FRONT TIMING GEAR GROUP	1	Y	
	7N-2888	FAN PULLEY GROUP	1	Y	
	7N-2879	CRANKSHAFT PULLEY GROUP	1	Y	
	2Y-6553	DAMPER GROUP	1	Y	
	2P-6528	FRONT HOUSING COVER GROUP	1	Y	
	3N-2887	FRONT HOUSING FASTENER GROUP	1	Y	
	3N-2886	SEAL ADAPTER GROUP	1	Y	
	2Y-7577	FLYWHEEL HOUSING GROUP	1	Y	
	7N-3496	FLYWHEEL GROUP	1	Y	

CAT codes: Y.

2Y-7745 ENGINE ARRANGEMENT

2Y7745 ENGINE ARRANGEMENT - Part 2 of 2 Serial Number 4WB1 - Up. Precombustion Chambered Turbocharged
NOTE: WHEN ORDERING PARTS GIVE ARRANGEMENT NUMBER AND SERIAL NUMBER

Arrangement composition. Follow the table links to the component drawings.

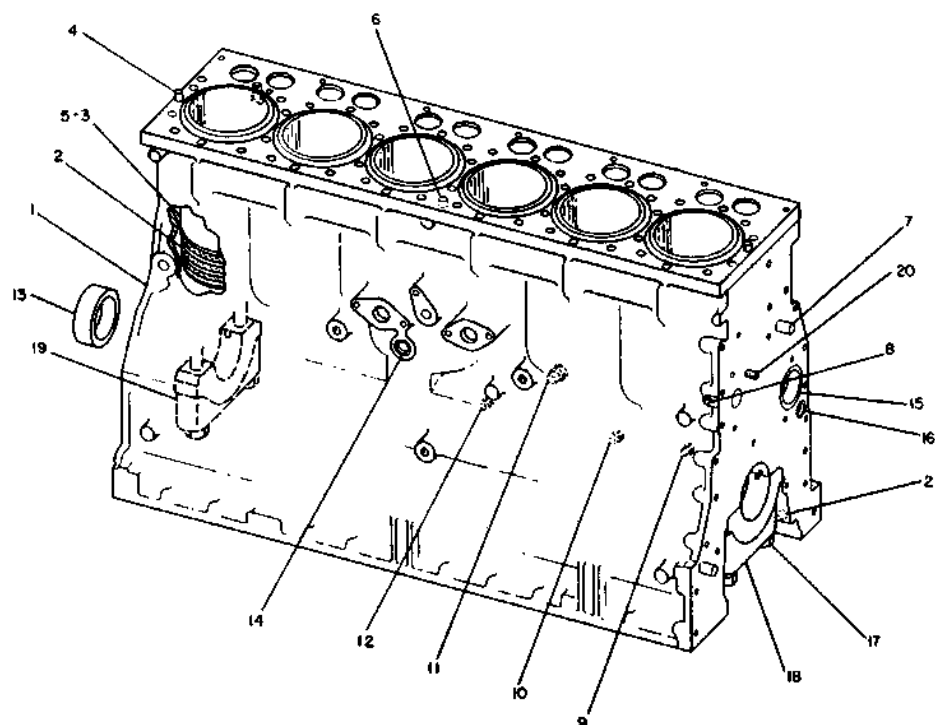
Ref.	Part number	Description	Qty	Code	Group page
	2Y-5231	OIL PAN GROUP	1	Y	
	2P-6199	OIL PAN FASTENER GROUP	1	Y	
	2P-9559	OIL LEVEL GAUGE GROUP	1	Y	
	2P-6105	OIL LINES GROUP	1	Y	
	2P-6475	OIL FILTER GROUP	1	Y	
	2P-6855	OIL FILLER GROUP	1	Y	
	1P-4244	BREATHER GROUP	1	Y	
	3N-3392	FUMES DISPOSAL GROUP	1	Y	
	2P-1784	OIL PUMP GROUP	1	Y	
	7N-5909	WATER PUMP GROUP	1	Y	
	7N-9905	WATER LINES GROUP	1	Y	
	2P-8165	HOUSING AND REGULATOR GROUP	1	Y	
	2P-7738	ENGINE OIL COOLER GROUP	1	Y	
	2Y-6564	WATER LINES GROUP-ELBOW	1	Y	
	7N-5890	TURBOCHARGER GROUP	1	Y	
	6N-1305	TURBOCHARGER OIL LINES GROUP	1	Y	
	8N-2583	AIR LINES GROUP	1	Y	
	2Y-7299	EXHAUST MANIFOLD GROUP	1	Y	
	4N-9586	EXHAUST MANIFOLD FASTENER GROUP	1	Y	
	2Y-7760	EXHAUST ELBOW GROUP	1	Y	
	1P-2299	FUEL FILTER ASSEMBLY	1	Y	
	4N-4314	FUEL PRIMING PUMP GROUP	1	Y	
	9N-3273	DRAIN LINES GROUP	1	Y	
	6N-7614	GOVERNOR AND FUEL INJECTION PUMP GROUP	1	Y	
	7N-4016	FUEL INJECTION LINES GROUP	1	Y	
	3N-3892	DUMMY GLOW PLUG GROUP	3	Y	

CAT codes: Y.

8N-3021 CYLINDER BLOCK GROUP

8N3021 CYLINDER BLOCK GROUP 1N3576 Block parts are shown on Page 7

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	1N3576	BLOCK ASSEM. (Separate Illustration)	1
2	5S6670	SEAL	18
3	2P8889	LINER	6
4	8B1312	DOWEL	2
5	9L5854	BAND	6
6	5B7652	DOWEL	2
7	8B6349	DOWEL	2
8	5M6214	PLUG	1
9	7H3171	PLUG	1
10	5M6213	PLUG	6
11	8M9307	PLUG	1
11	6F7062	GASKET	1
12	3J5389	PLUG	1
13	7M4046	BEARING	4
14	4B5387	PLUG	1
15	9M5477	BEARING	1
16	4B3938	PLUG	1
17	7S3224	BOLT	14
17	2S5658	WASHER	14
18	7S3225	CAP	6
19	1P4399	CAP	1
20	5S8462	STUD	1
21	4B9782	BALL	1

231997

Ref.	Part number	Description	Qty	Code	Group page
1	1N-3576	BLOCK ASSEM.	1	Y	
2	5S-6670	SEAL	18		
3	2P-8889	LINER	6		
4	8B-1312	DOWEL	2		
5	9L-0584	BAND	6		
6	5B-7652	DOWEL	2		
7	8B-6349	DOWEL	2		
8	5M-6214	PLUG	1		
9	7H-3171	PLUG	1		
10	5M-6213	PLUG	6		
11	8M-9307	PLUG	1		
	6F-7062	GASKET	1		
12	3J-5389	PLUG	1		
13	7M-4046	BEARING	4		
14	4B-5387	PLUG	1		
15	9M-5477	BEARING	1		
16	4B-3938	PLUG	1		

8N-3021 CYLINDER BLOCK GROUP (continued)

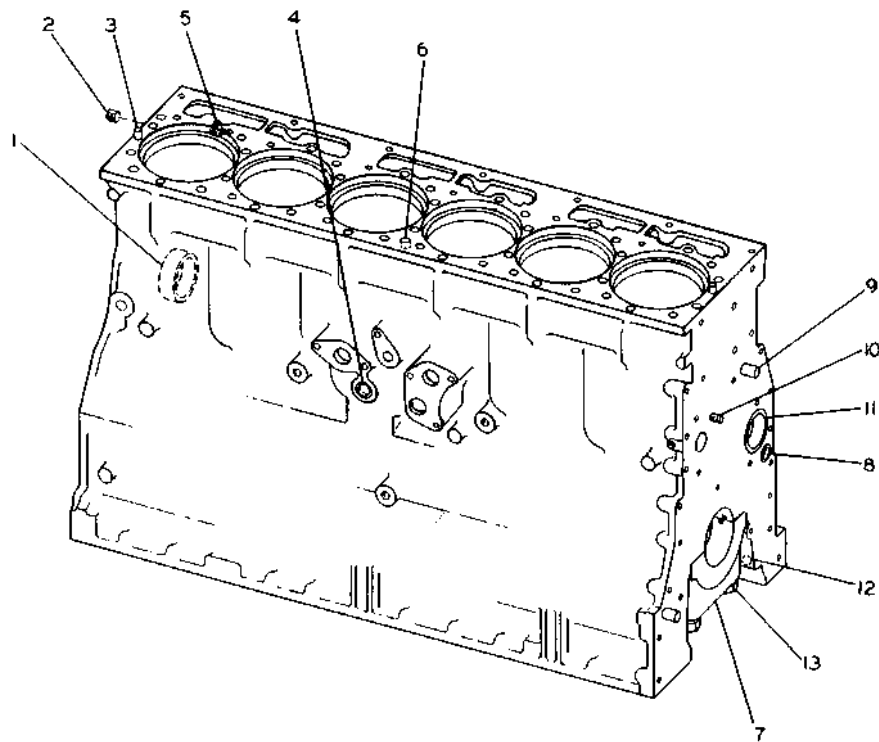
Ref.	Part number	Description	Qty	Code	Group page
17	7S-3224	BOLT	14		
	2S-5658	WASHER	14		
18	7S-3225	CAP	6		
19	1P-4399	CAP	1		
20	5S-8462	STUD	1		
21	4B-9782	BALL	1		

CAT codes: SEPARATE.

1N-3576 CYLINDER BLOCK ASSEMBLY

1N3576 CYLINDER BLOCK ASSEMBLY Part of 8N3021 Cylinder Block Group shown on Page 6

Drawing 1 of 1



REF NO	PART NUMBER	DESCRIPTION	QTY
1	7M4046	BEARING	4
2	2B858	PLUG	1
3	8K1207	PIN	2
4	4B5387	PLUG	1
5	1S9540	DOWEL	1
6	5B7652	DOWEL	2
7	6N8003	BEARING CAP	7
8	4B3938	PLUG	1
9	8B6349	DOWEL	2
10	5S8462	STUD	1
11	8N4110	BEARING	1
12	4B9782	BALL	1
13	7S3224	BOLT	14
	2S5658	WASHER	14

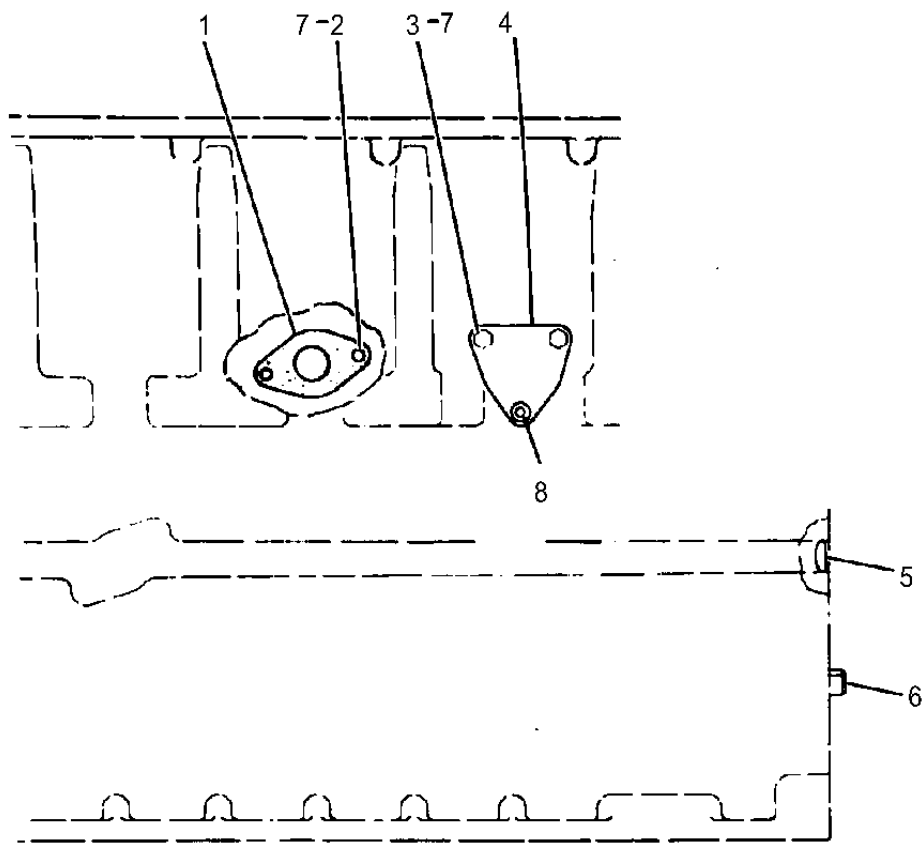
231998

Ref.	Part number	Description	Qty	Code	Group page
1	7M-4046	BEARING	4		
2	2B-0858	PLUG	1		
3	8K-1207	PIN	2		
4	4B-5387	PLUG	1		
5	1S-9540	DOWEL	1		
6	5B-7652	DOWEL	2		
7	6N-8003	BEARING CAP	7		
8	4B-3938	PLUG	1		
9	8B-6349	DOWEL	2		
10	5S-8462	STUD	1		
11	8N-4110	BEARING	1		
12	4B-9782	BALL	1		
13	7S-3224	BOLT	14		
	2S-5658	WASHER	14		

7N-1292 CYLINDER BLOCK COVER GROUP

7N1292 CYLINDER BLOCK COVER GROUP

Drawing 1 of 1

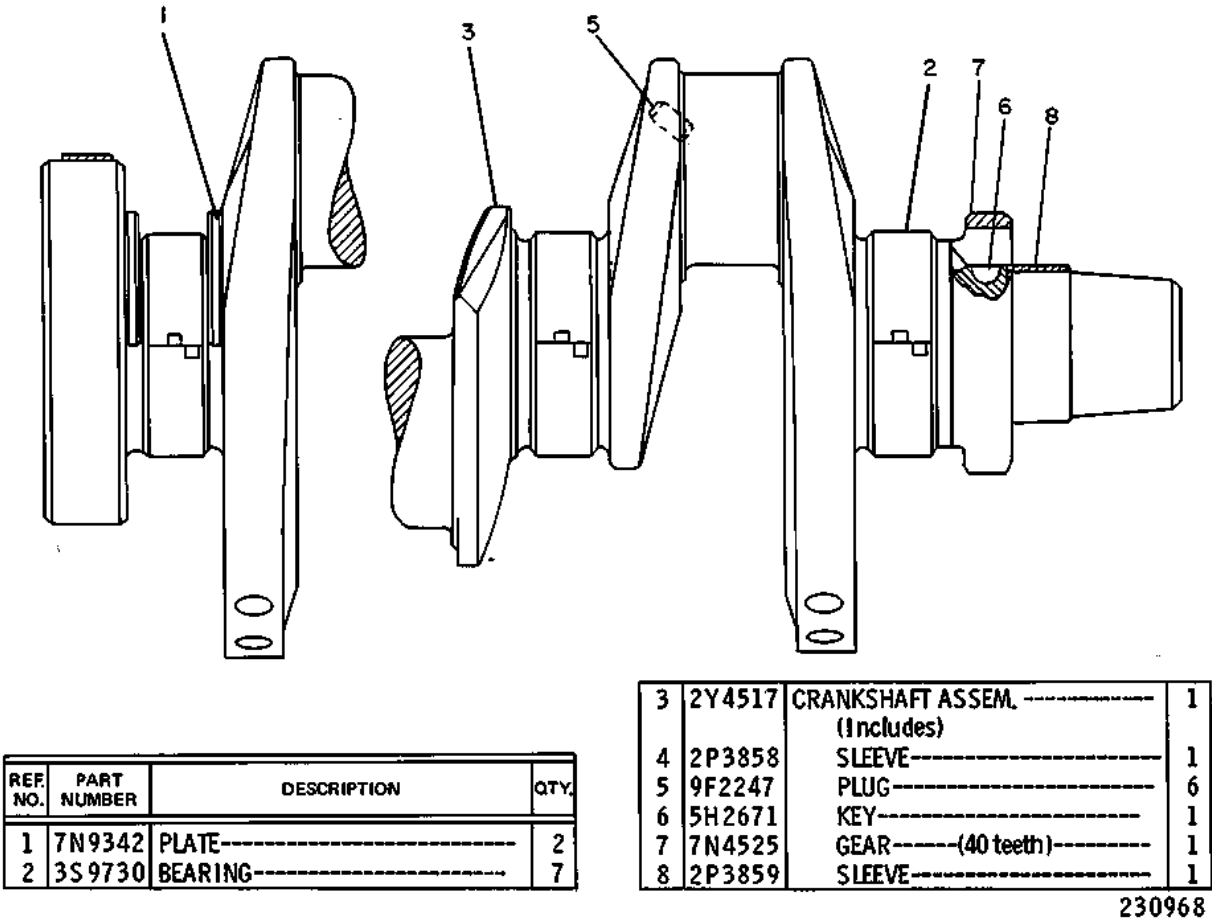


Ref.	Part number	Description	Qty	Code	Group page
1	1M-0130	COVER	1		
	4M-6480	GASKET	1		
2	1A-2029	BOLT	2		
3	0L-1351	BOLT	2		
4	8L-8662	COVER	1		
	5S-8055	GASKET	1		
5	4B-3938	PLUG-CUP	1		
6	2A-3798	DOWEL	2		
7	5M-2894	WASHER	4		
8	8M-3267	SCREW-HEX SOCKET	1		

2Y-5206 CRANKSHAFT GROUP

2Y5206 CRANKSHAFT GROUP Note: For field replacement of 2Y4517 Crankshaft Assembly order 4N7693 shown on Page 9

Drawing 1 of 1

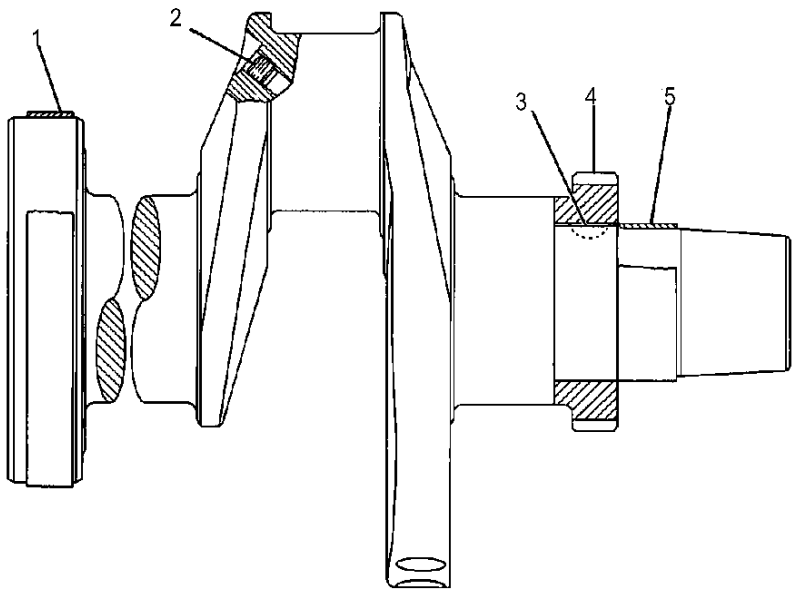


Ref.	Part number	Description	Qty	Code	Group page
1	7N-9342	PLATE	2		
2	3S-9730	BEARING	7		
3	2Y-4517	CRANKSHAFT ASSEM.	1		
(Includes)					
4	2P-3858	SLEEVE	1		
5	9F-2247	PLUG	6		
6	5H-2671	KEY	1		
7	7N-4525	GEAR (40 teeth)	1		
8	2P-3859	SLEEVE	1		

4N-7693 CRANKSHAFT GROUP

4N7693 CRANKSHAFT GROUP -- Field Installation

Drawing 1 of 1



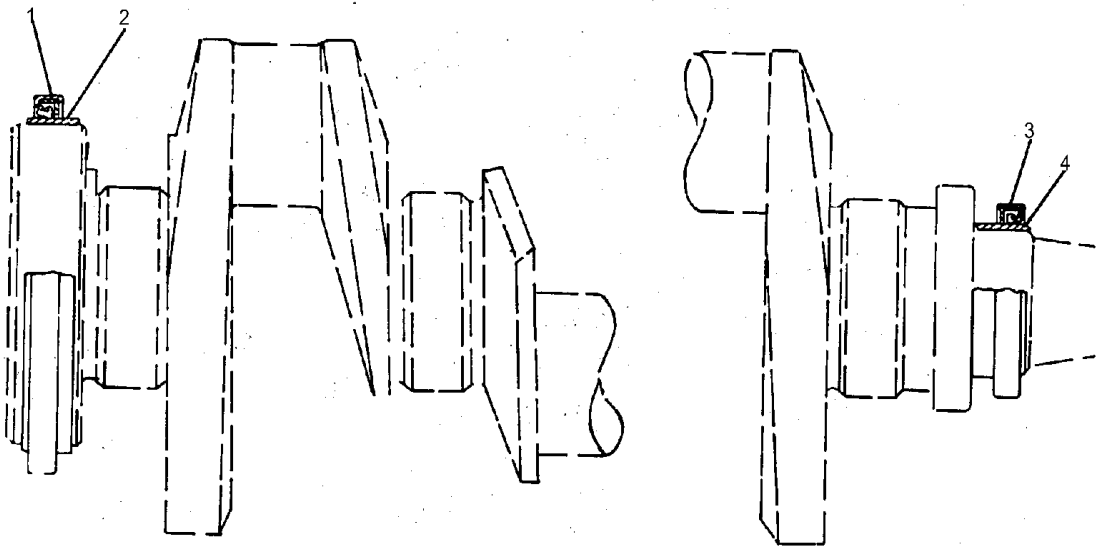
Ref.	Part number	Description	Qty	Code	Group page
1	2P-3858	SLEEVE-WEAR	1		
2	9F-2247	PLUG	6		
3	5H-2671	KEY-WOODRUFF	1		
4	7N-4525	GEAR-CRANKSHAFT (40 TEETH)	1	C	
5	2P-3859	SLEEVE-WEAR	1		

CAT codes: C.

2P-6224 CRANKSHAFT SEAL GROUP

2P6224 CRANKSHAFT SEAL GROUP

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	9S3111	SEAL-----	1
2	2P3858	SLEEVE-----	1
3	5S6296	SEAL-----	1
4	2P3859	SLEEVE-----	1

117254

Ref.	Part number	Description	Qty	Code	Group page
1	9S-3111	SEAL	1		
2	2P-3858	SLEEVE	1		
3	5S-6296	SEAL	1		
4	2P-3859	SLEEVE	1		

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