

CATERPILLAR 312C L

CBT / SEBP3199

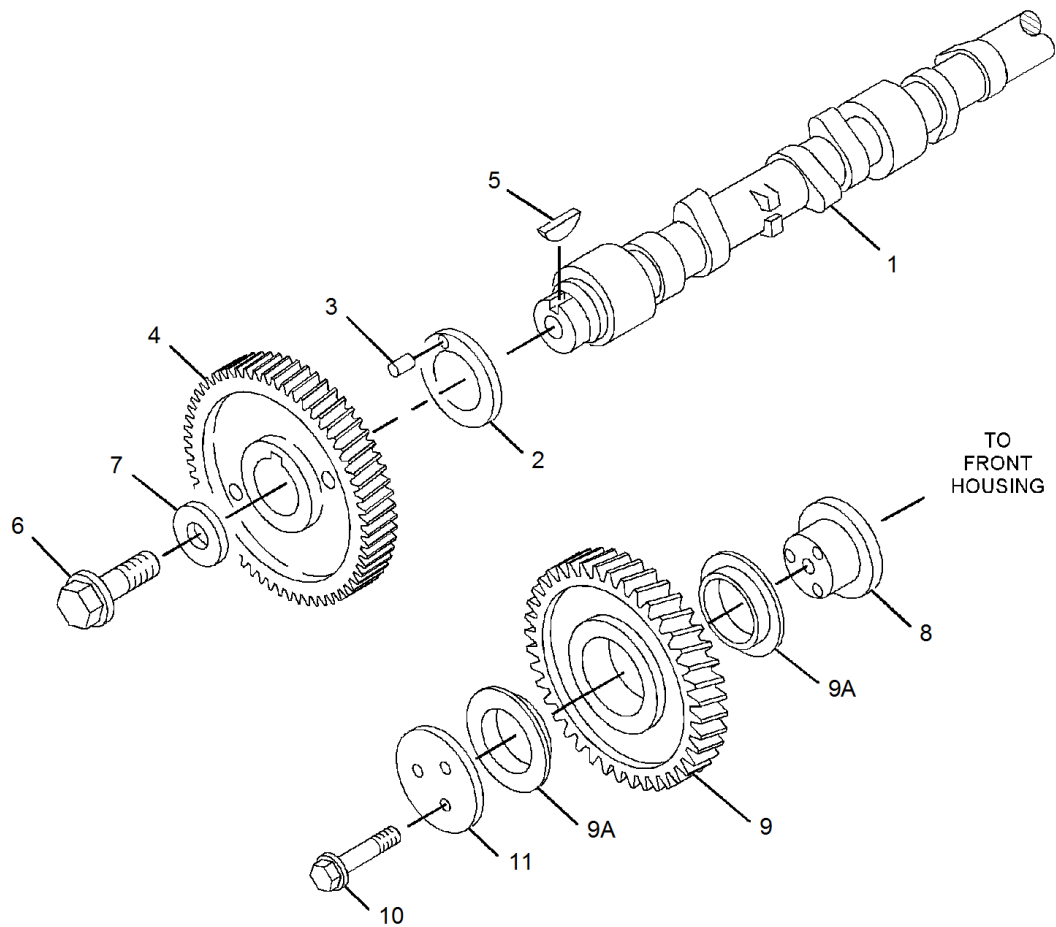
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139-4669 CAMSHAFT GP

139-4669 CAMSHAFT GP S/N 7BJ1-UP PART OF 189-6184 ENGINE AR-PRIMARY

Drawing 1 of 1



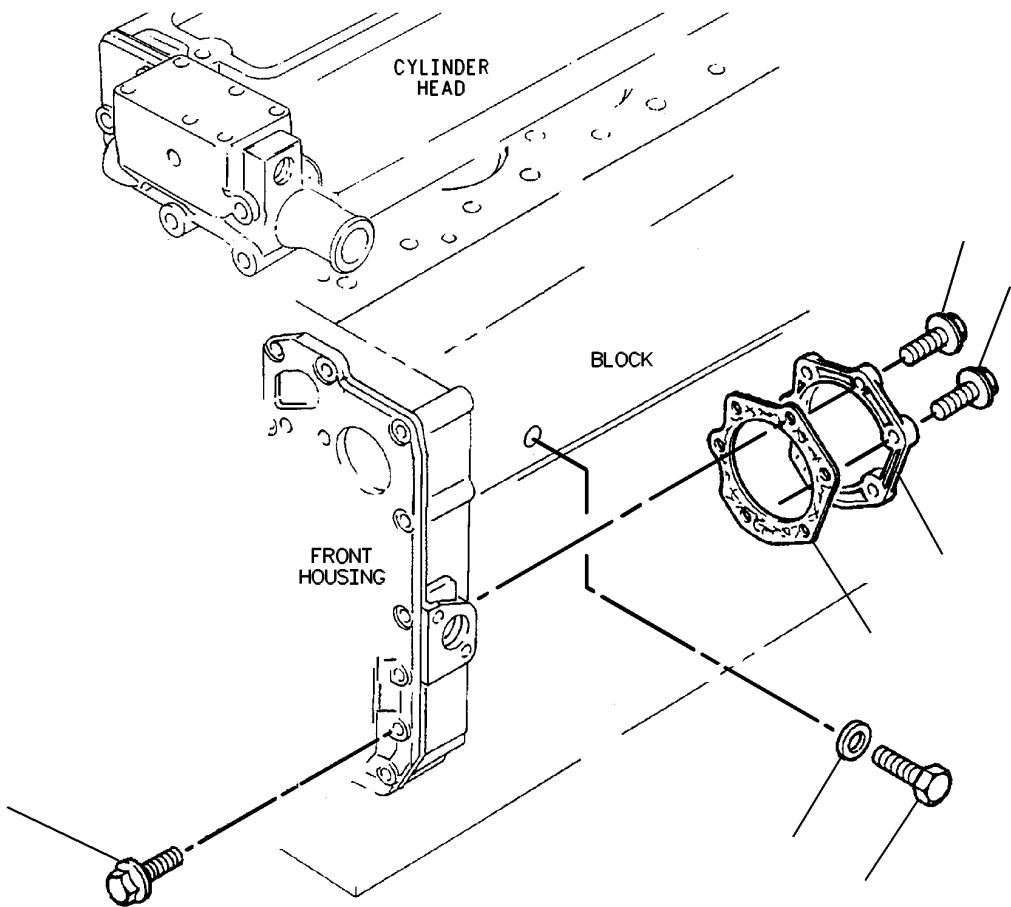
Ref.	Part number	Description	Qty	Code	Group page
1	356-3503	CAMSHAFT	1		
2	7W-4842	WASHER-THRUST	1		
3	067-6179	DOWEL	1		
4	9Y-2633	GEAR-CAMSHAFT (56-TEETH)	1		
5	067-6135	KEY-WOODRUFF (CAMSHAFT)	1		
6	7C-4616	BOLT (M12X1.75X45-MM)	1	M	
7	133-1011	WASHER	1		
8	324-0444	HUB-IDLER GEAR	1		
9	2W-1529	GEAR AS-IDLER (63-TEETH)	1		
9A	067-6899	BUSHING-IDLER GEAR	2		
10	6I-0650	BOLT (M10X1.5X65-MM)	3	M	
11	346-0408	PLATE	1		

CAT codes: M.

141-6149 COVER GP-ACCESSORY DRIVE

141-6149 COVER GP-ACCESSORY DRIVE S/N 7BJ1-UP PART OF 189-6184 ENGINE AR-PRIMARY Type 1

Drawing 1 of 1



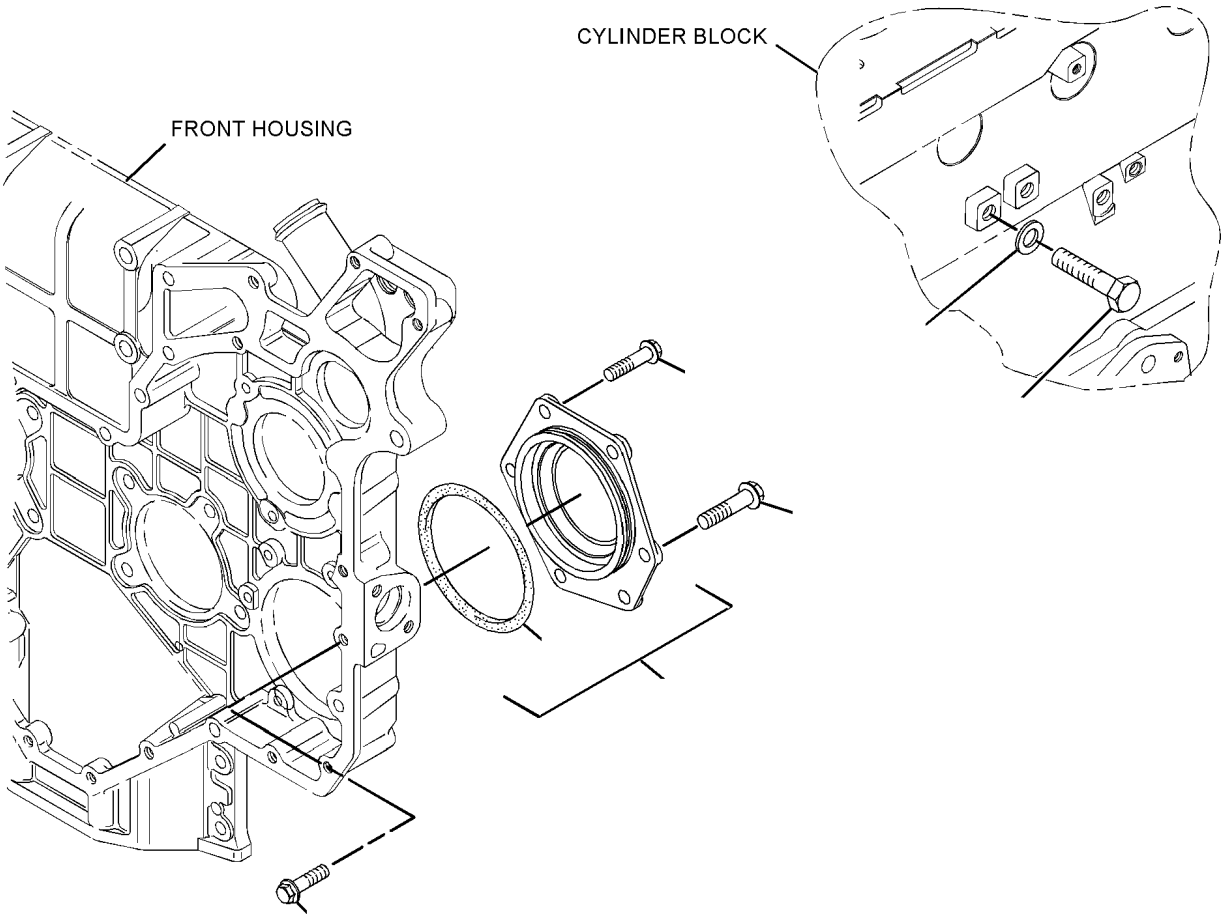
Ref.	Part number	Description	Qty	Code	Group page
1	100-4830	BOLT (M10X1.5X20-MM)	1	M	
2	6I-0593	BOLT (M10X1.5X30-MM)	1	M	
3	138-2068	PLATE	1		
4	111-8222	BOLT (M8X16-MM)	5	M	
5	6I-0646	BOLT (M10X1.5X14-MM)	1	M	
6	067-6810	WASHER	1		
7	206-4277	GASKET	1		

CAT codes: M.

141-6149 COVER GP-ACCESSORY DRIVE

141-6149 COVER GP-ACCESSORY DRIVE S/N 7BJ1-UP PART OF 189-6184 ENGINE AR-PRIMARY Type 2

Drawing 1 of 1



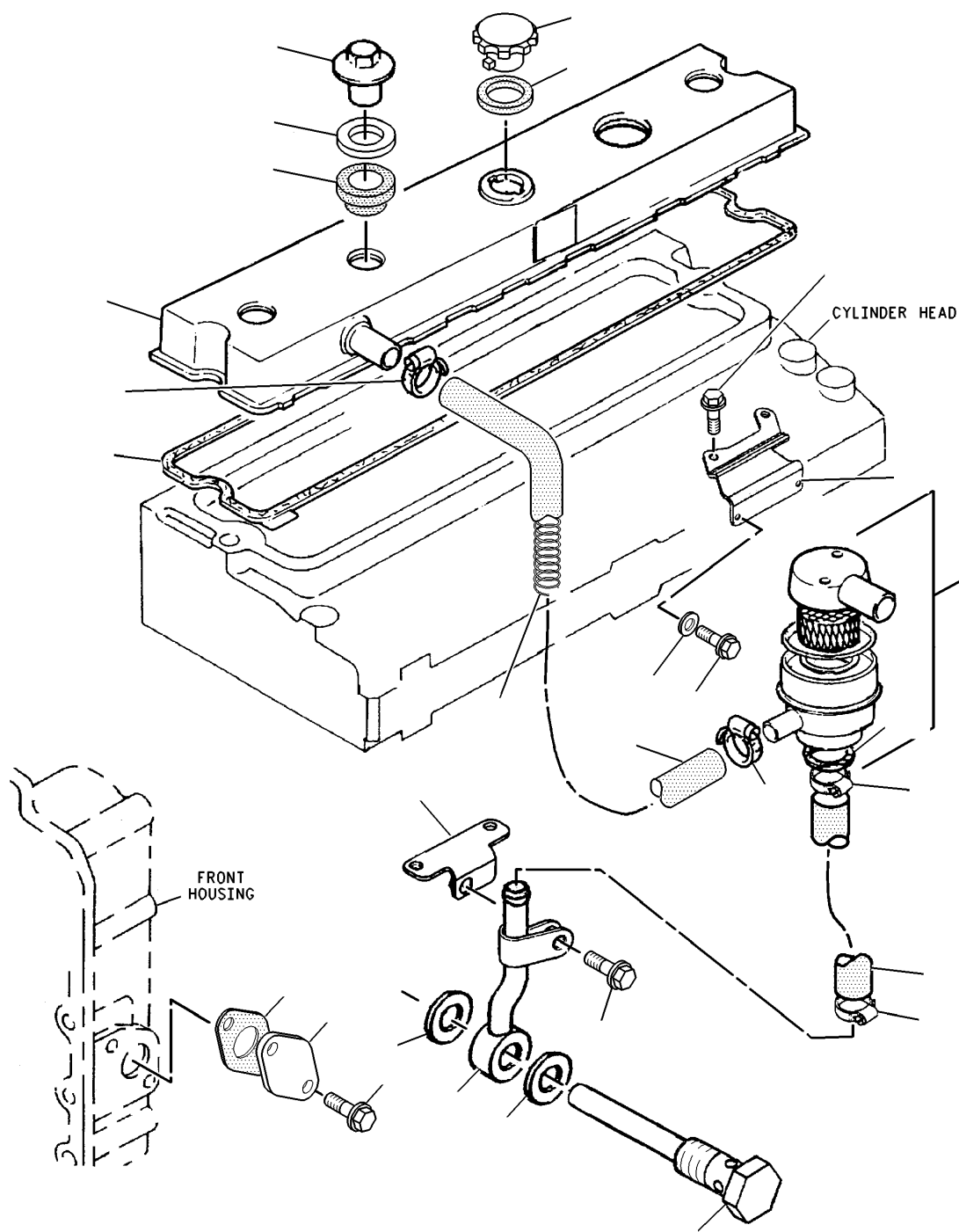
Ref.	Part number	Description	Qty	Code	Group page
1	100-4830	BOLT (M10X1.5X20-MM)	1	M	
2	6I-0593	BOLT (M10X1.5X30-MM)	1	M	
3	329-7854	PLATE AS	1	C	
3A	329-7856	SEAL-O-RING	1		
4	111-8222	BOLT (M8X16-MM)	5	M	
5	6I-0646	BOLT (M10X1.5X14-MM)	1	M	
6	067-6810	WASHER	1		

CAT codes: C, M.

160-4819 COVER GP-VALVE MECHANISM

160-4819 COVER GP-VALVE MECHANISM S/N 7BJ1-40834 PART OF 189-6184 ENGINE AR-PRIMARY

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5P-8247	WASHER-HARD (17X32X3.5-MM THK)	3		
2	6I-0507	NUT	3		
3	6I-0512	GASKET	1		
4	6I-0654	BOLT (M10X1.5X25-MM)	2	M	
5	6I-0843	BOLT (M6X1X25-MM)	2	M	

160-4819 COVER GP-VALVE MECHANISM (continued)

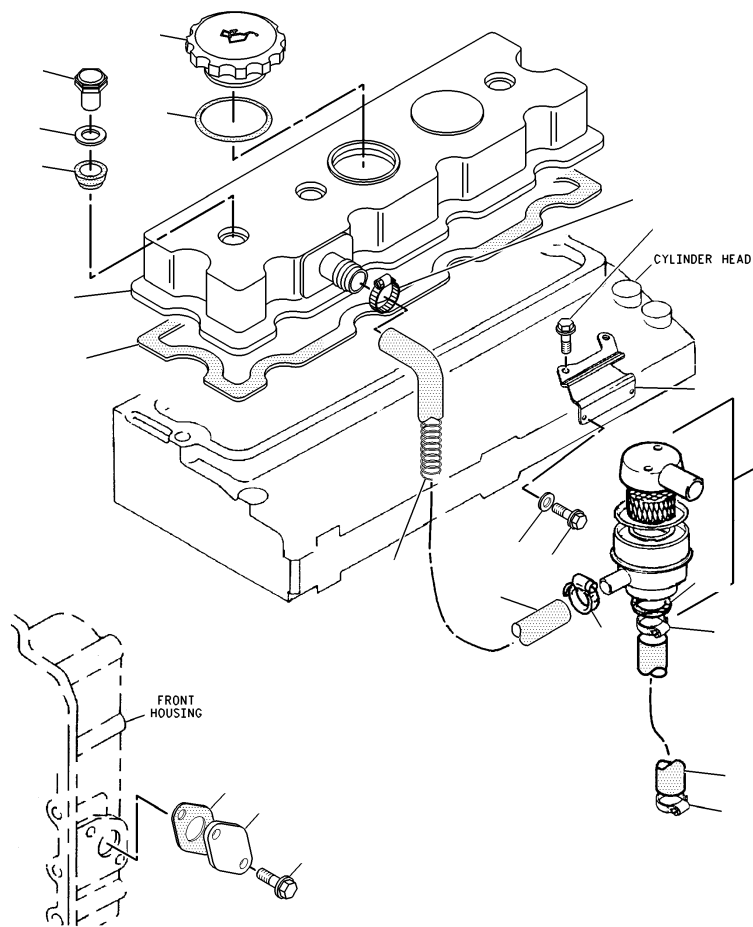
Ref.	Part number	Description	Qty	Code	Group page
6	6I-4037	PLATE	1		
7	101-3675	SEAL	3		
8	124-3815	BOLT (M8X1.25X16-MM)	3	M	
9	126-8536	WASHER	1		
10	127-8287	CLAMP-HOSE	1		
11	160-4820	BRACKET	1		
12	160-4824	BRACKET	1		
13	160-4826	CLAMP-HOSE	2		
14	160-4828	PIPE	1		
15	160-4829	WASHER (16X25.5X2.1-MM THK)	2		
16	160-4830	TUBE-BREATHER	1		
17	165-0139	COVER AS-VALVE	1		
17A	147-9544	GASKET (VALVE COVER)	1		
17B	136-3608	CAP AS (ENGINE OIL FILLER)	1		
17C	124-0506	SEAL	1		
18	165-4021	CANISTER AS-BREATHER (CRANKCASE)	1		
18A	185-6643	SEAL (BREATHER)	1		
19	166-5204	HOSE (CRANKCASE BREATHER)	1		
20	166-5205	CLAMP-HOSE	1		
21	137-8064	HOSE (CRANKCASE BREATHER)	1		
22	136-3339	SPRING (CRANKCASE BREATHER HOSE)	1		

CAT codes: M.

160-4819 COVER GP-VALVE MECHANISM

160-4819 COVER GP-VALVE MECHANISM S/N 7BJ40835-UP PART OF 189-6184 ENGINE AR-PRIMARY

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5P-8247	WASHER-HARD (17X32X3.5-MM THK)	3		
2	177-2939	NUT-RETAINING	3		
3	6I-0512	GASKET	1		
4	6I-0654	BOLT (M10X1.5X25-MM)	2	M	
5	6I-0843	BOLT (M6X1X25-MM)	2	M	
6	6I-4037	PLATE	1		
7	101-3675	SEAL	3		
8	124-3815	BOLT (M8X1.25X16-MM)	2	M	
9	126-8536	WASHER	1		
10	6L-4725	CLAMP-HOSE	1		
11	160-4820	BRACKET	1		
13	160-4826	CLAMP-HOSE	2		
17	206-3070	COVER AS-VALVE	1		
17A	200-6374	SEAL-COVER (VALVE)	1		
17B	136-3608	CAP AS (ENGINE OIL FILLER)	1		

160-4819 COVER GP-VALVE MECHANISM (continued)

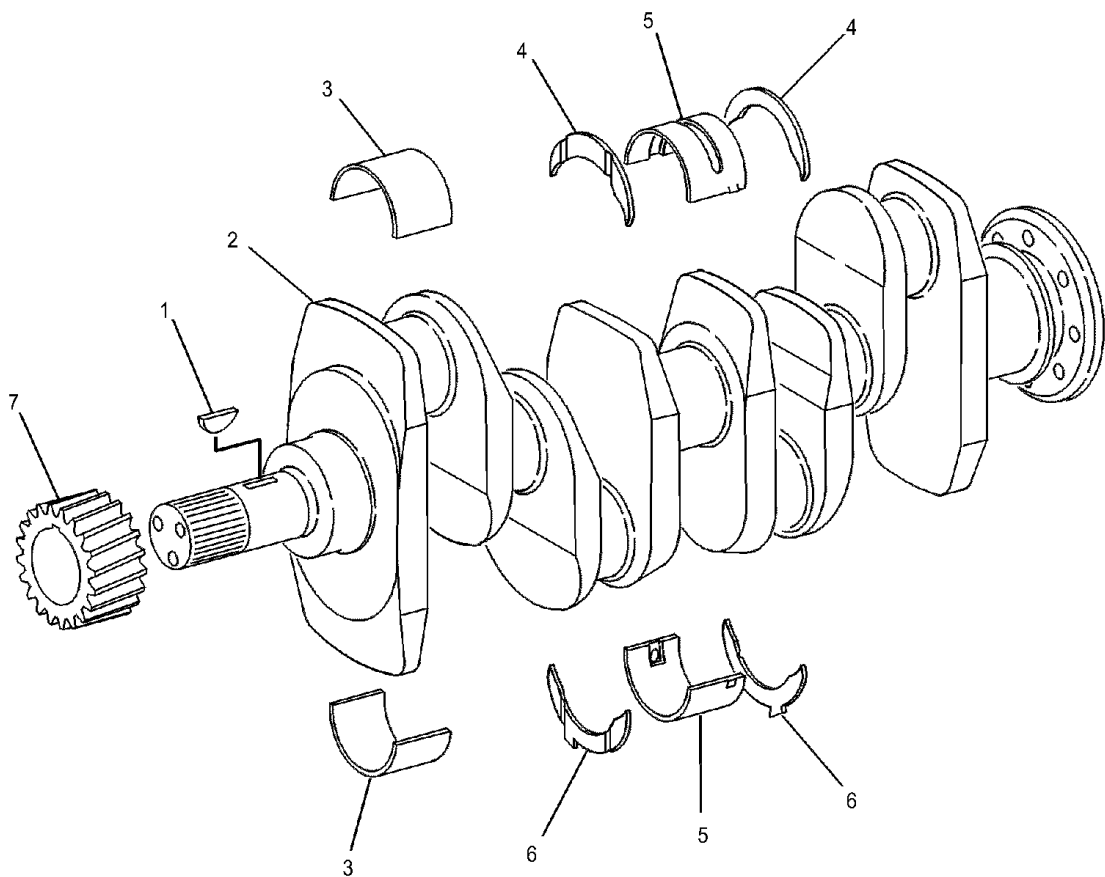
Ref.	Part number	Description	Qty	Code	Group page
17C	124-0506	SEAL	1		
18	165-4021	CANISTER AS-BREATHER (CRANKCASE)	1		
18A	185-6643	SEAL (BREATHER)	1		
19	166-5204	HOSE (CRANKCASE BREATHER)	1		
20	166-5205	CLAMP-HOSE	1		
21	137-8064	HOSE (CRANKCASE BREATHER)	1		
22	136-3339	SPRING (CRANKCASE BREATHER HOSE)	1		
	160-4829	WASHER (16X25.5X2.1-MM THK)	1	F	

CAT codes: F, M.

139-4664 CRANKSHAFT GP

139-4664 CRANKSHAFT GP S/N 7BJ1-UP PART OF 189-6184 ENGINE AR-PRIMARY Type 1

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	1B-8736	KEY-WOODRUFF	1		
2	4P-9948	CRANKSHAFT GP	1		
3	353-2205	KIT-ROD BEARING (STANDARD)	1	B	
	353-2206	KIT-ROD BEARING (0.25-MM US)		AB	
	353-2207	KIT-ROD BEARING (0.50-MM US)		AB	
	353-2208	KIT-ROD BEARING (0.75-MM US)		AB	
4	032-9090	WASHER-THRUST (STANDARD-UPPER)	2	B	
	067-6873	WASHER-THRUST (0.18-MM OS)	2	AB	
5	353-7427	KIT-BEARING (STANDARD)	1	B	
	353-7428	KIT-BEARING (0.25-MM US)		AB	
	353-7429	KIT-BEARING (0.50-MM US)		AB	
	353-7430	KIT-BEARING (0.75-MM US)		AB	
6	032-9091	WASHER-THRUST (STANDARD-LOWER)	2	B	

139-4664 CRANKSHAFT GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
	067-6873	WASHER-THRUST (0.18-MM OS)	2	AB	
	067-6874	WASHER-THRUST (0.18-MM OS)(LOWER)	2	AB	
7	6I-0223	GEAR-CRANKSHAFT (28-TEETH)	1		

CAT codes: A, B, R.

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