

CATERPILLAR CP-433E

ASN / KEBP0292

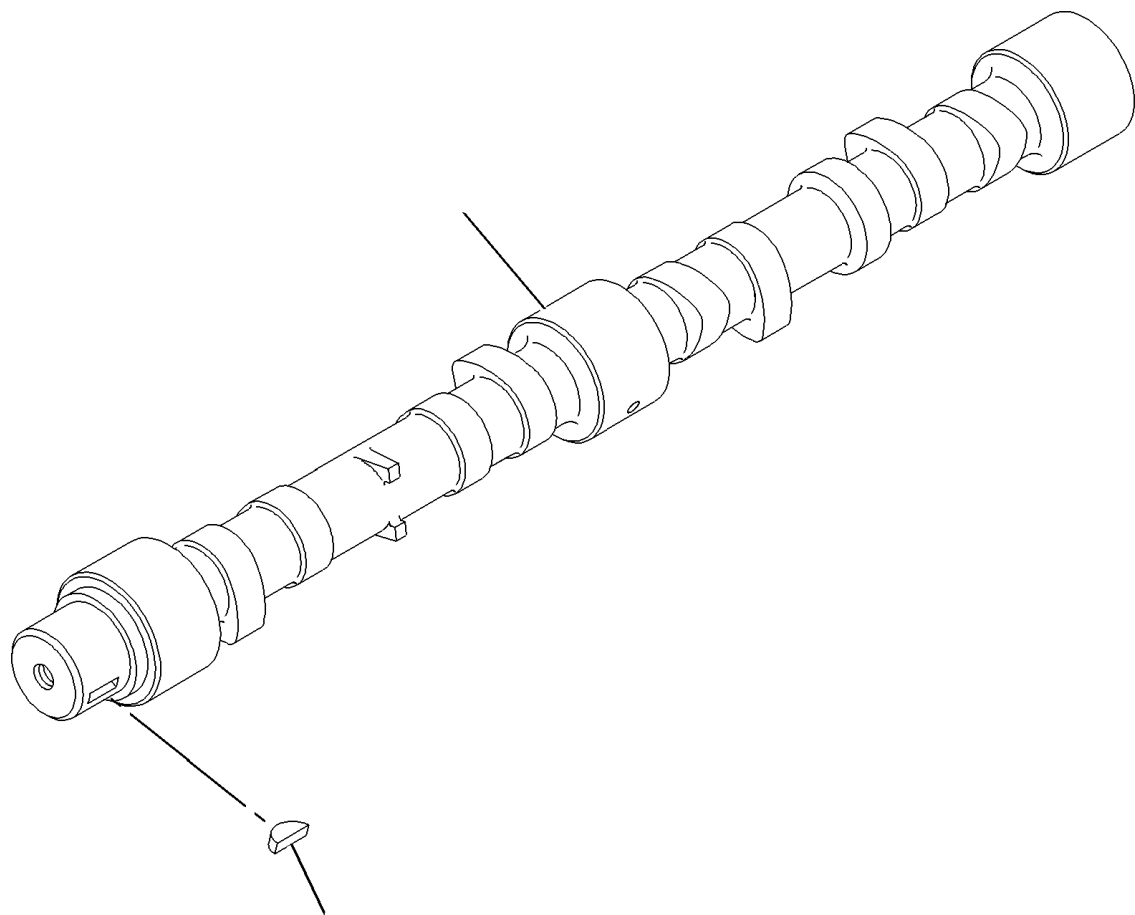
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232-7528 CAMSHAFT GP

232-7528 CAMSHAFT GP S/N CRS1-UP PART OF 176-3164, 297-4051, 309-0732, 329-2195 ENGINE AR-PRIMARY ALSO AN ATTACHMENT

Drawing 1 of 1

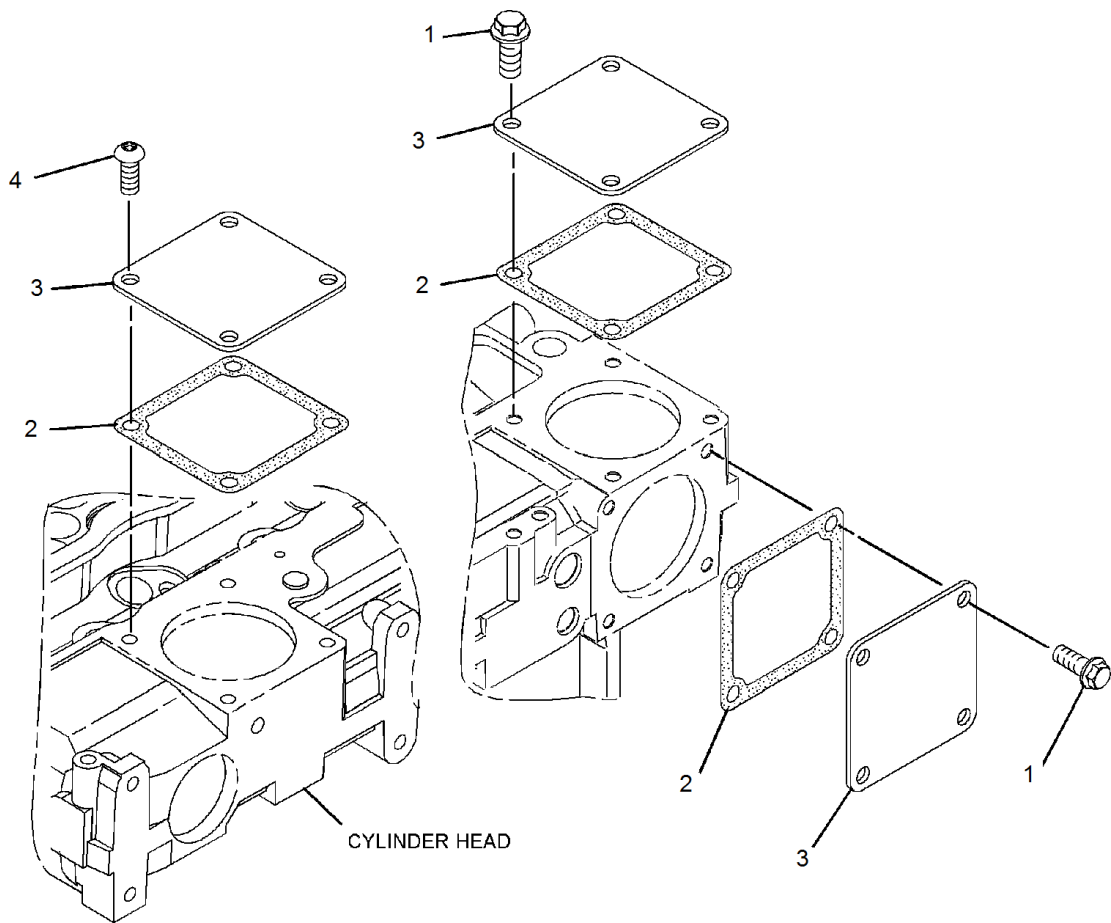


Ref.	Part number	Description	Qty	Code	Group page
1	1B-8736	KEY-WOODRUFF	1		
2	225-5967	CAMSHAFT	1		

251-6242 COVER GP-CYLINDER HEAD

251-6242 COVER GP-CYLINDER HEAD S/N CRS1-UP PART OF 176-3164, 297-4051, 309-0732, 329-2195 ENGINE
AR-PRIMARY ALSO AN ATTACHMENT

Drawing 1 of 1



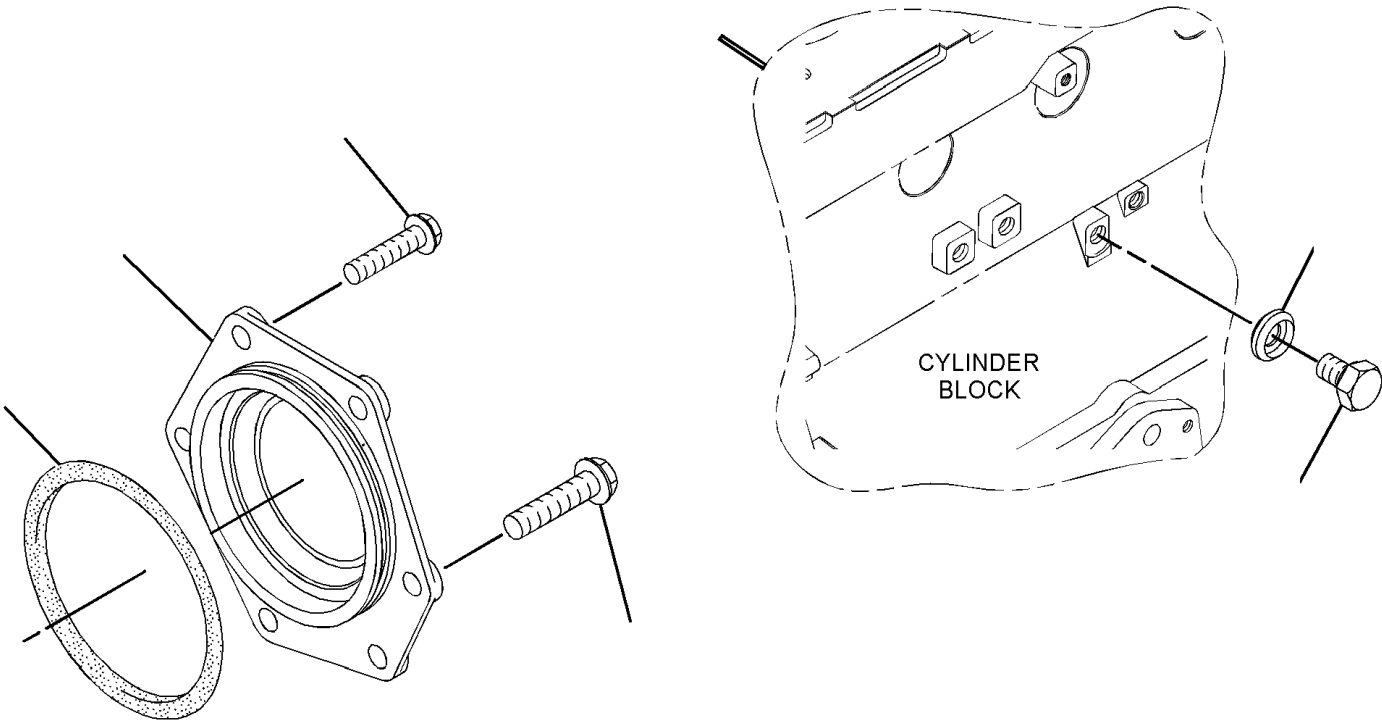
Ref.	Part number	Description	Qty	Code	Group page
1	111-8222	BOLT (M8X1.25X16-MM)	8	M	
2	114-2579	GASKET	3		
3	185-6627	PLATE	3		
4	251-6241	BOLT-SPECIAL (M8X1.25X20-MM)	4		

CAT codes: M.

230-9196 COVER GP-FRONT HOUSING

230-9196 COVER GP-FRONT HOUSING S/N CRS1-UP PART OF 176-3164, 297-4051, 309-0732 ENGINE AR-PRIMARY ALSO AN ATTACHMENT

Drawing 1 of 1



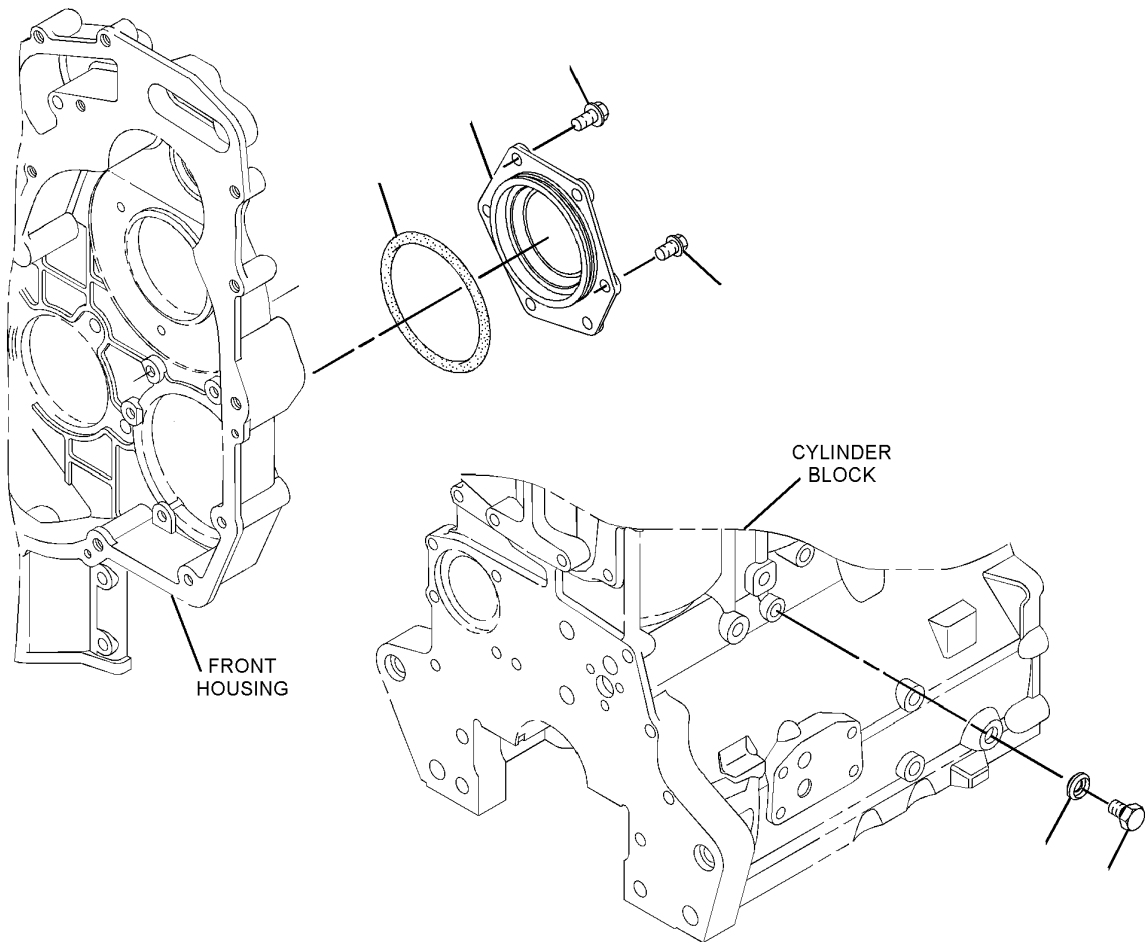
Ref.	Part number	Description	Qty	Code	Group page
1	100-4830	BOLT (M10X1.5X20-MM)	1	M	
2	111-8222	BOLT (M8X1.25X16-MM)	5	M	
3	209-5502	COVER AS (POWER TAKE-OFF)	1		
3A	209-5503	SEAL-COVER	1		
4	6I-0646	BOLT (M10X1.5X14-MM)	1	M	
5	214-3203	WASHER (SEALING)	1		

CAT codes: M.

230-9196 COVER GP-FRONT HOUSING

230-9196 COVER GP-FRONT HOUSING S/N CRS1-UP PART OF 176-3164, 297-4051, 309-0732, 329-2195 ENGINE AR-PRIMARY AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	6I-0646	BOLT (M10X1.5X14-MM)	1	M	
2	100-4830	BOLT (M10X1.5X20-MM)	1	M	
3	111-8222	BOLT (M8X1.25X16-MM)	5	M	
4	214-3203	WASHER (SEALING)	1		
5	329-7854	PLATE AS	1	C	
5A	329-7856	SEAL-O-RING	1		

CAT codes: C, M.

234-0251 COVER GP-VALVE MECHANISM S/N CRS1-UP PART OF 176-3164 ENGINE AR-PRIMARY Type 1

This exploded view diagram illustrates the components of a mechanical assembly, likely a water pump or engine part. The main housing is shown with various ports and mounting points. Key components include:

- Housing:** The main body of the assembly, featuring a large circular opening and several smaller ports.
- Impeller/Blade Assembly:** Located at the top left, it consists of a central hub with multiple blades, a circular cover, and a mounting flange.
- Shaft and Coupling:** A central shaft with a coupling mechanism, including a pin and a spring, is shown on the right side.
- Mounting and Fasteners:** Various bolts, screws, and washers are shown, indicating the assembly points for the housing and other components.
- Internal Components:** A detailed view of the internal mechanism, including a central shaft, a coupling, and a spring, is shown at the bottom right.

The diagram uses dashed lines to indicate the relative positions and assembly sequence of the parts.

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234-0251 COVER GP-VALVE MECHANISM (continued)

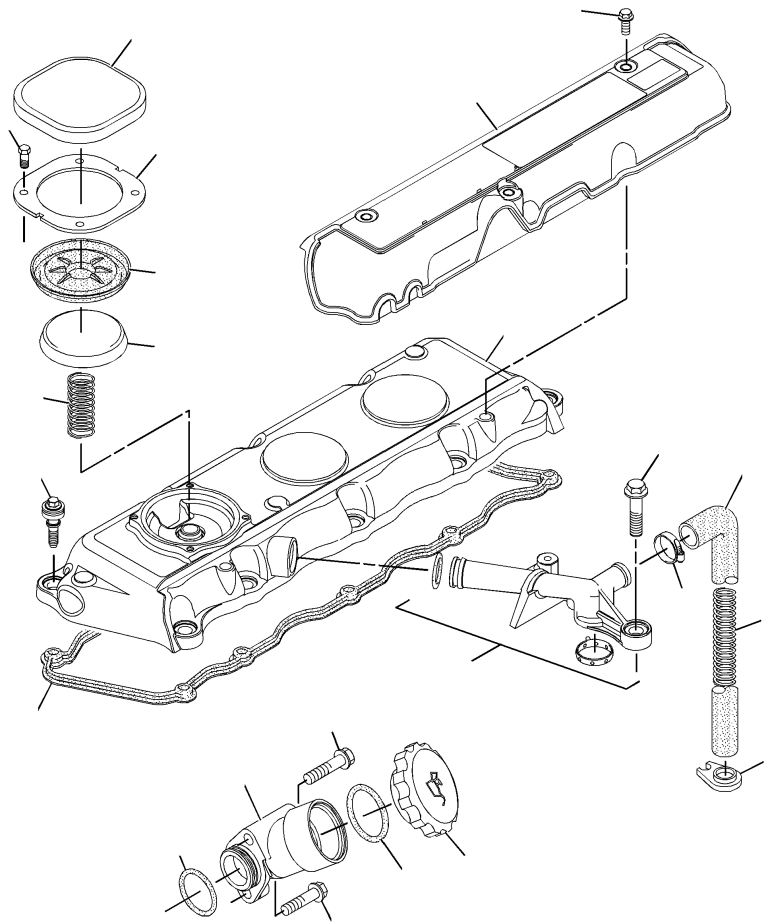
Ref.	Part number	Description	Qty	Code	Group page
6	7C-1281	BRACKET	1		
7	198-8645	HOSE (CRANKCASE BREATHER)	1		
9	226-8763	COVER AS-VALVE	1		
9A	225-6451	GASKET (VALVE COVER)	1		
9B	225-6455	BOLT	10		
9C	225-6456	SPRING	1		
9D	225-6461	CAP	1		
9E	225-6464	DIAPHRAGM (CRANKCASE PRESSURE CONTACTOR)	1		
9F	225-6477	PLATE	1		
9G	225-6478	SCREW-MACHINE	4		
9H	225-6479	CAP	1		
10	230-9127	COVER	1		
11	230-9144	CONNECTOR	1		
11A	150-7732	SEAL-O-RING	1		
11B	225-6455	BOLT	2		
11C	225-6517	GASKET	1		
12	230-9152	FILLER GP-ENGINE OIL	1		
12A	6I-1201	SEAL-O-RING	1		
12B	130-9888	CAP AS-OIL FILLER (ENGINE)	1		
12C	113-1504	SEAL-O-RING	1		

CAT codes: M.

234-0251 COVER GP-VALVE MECHANISM

234-0251 COVER GP-VALVE MECHANISM S/N CRS1-UP PART OF 176-3164 ENGINE AR-PRIMARY Type 2

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5D-1026	CLAMP-BAND	1		
2	6I-0254	BOLT (M8X1.25X30-MM)	1	M	
3	6I-0517	SPRING (CRANKCASE BREATHER HOSE)	1		
4	6I-0846	BOLT (M6X1X14-MM)	3	M	
5	6I-4374	BOLT (M8X1.25X60-MM)	1	M	
6	7C-1281	BRACKET	1		
7	198-8645	HOSE (CRANKCASE BREATHER)	1		
9	249-5230	COVER AS-VALVE	1	C	
9A	225-6451	GASKET (VALVE COVER)	1		
9B	225-6455	BOLT	10		
9C	225-6456	SPRING	1		
9D	225-6461	CAP (CRANKCASE BREATHER)	1		
9E	225-6464	DIAPHRAGM (CRANKCASE PRESSURE CONTACTOR)	1		
9F	225-6477	PLATE	1		
9G	225-6478	SCREW-MACHINE	4		

234-0251 COVER GP-VALVE MECHANISM (continued)

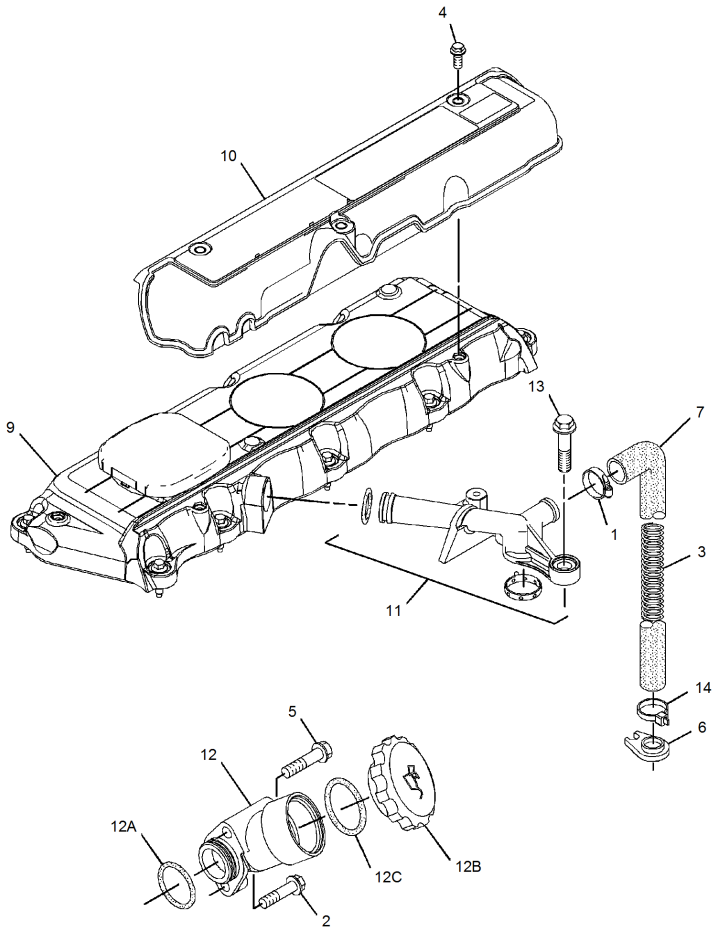
Ref.	Part number	Description	Qty	Code	Group page
9H	225-6479	CAP (CRANKCASE BREATHER)	1		
10	230-9127	COVER	1		
11	287-8573	PIPE AS	1	C	
12	230-9152	FILLER GP-ENGINE OIL	1		
12A	6I-1201	SEAL-O-RING	1		
12B	130-9888	CAP AS-OIL FILLER (ENGINE)	1		
12C	113-1504	SEAL-O-RING	1		
13	100-4838	BOLT (M6X1X20-MM)	2	CM	

CAT codes: C, M, R.

234-0251 COVER GP-VALVE MECHANISM

234-0251 COVER GP-VALVE MECHANISM S/N CRS1-UP PART OF 176-3164, 297-4051, 309-0732, 329-2195 ENGINE
AR-PRIMARY ALSO AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5D-1026	CLAMP-BAND	1		
2	6I-0254	BOLT (M8X1.25X30-MM)	1	M	
3	6I-0517	SPRING (CRANKCASE BREATHER HOSE)	1		
4	6I-0846	BOLT (M6X1X14-MM)	3	M	
5	6I-4374	BOLT (M8X1.25X60-MM)	1	M	
6	7C-1281	BRACKET	1		
7	198-8645	HOSE (CRANKCASE BREATHER)	1		
9	308-1381	COVER GP-VALVE MECHANISM	1	CY	
10	230-9127	COVER	1		
11	287-8573	PIPE AS	1		
12	321-2383	FILLER AS	1		
12A	306-2337	SEAL-O-RING	1		
12B	130-9888	CAP AS-OIL FILLER (ENGINE)	1		

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