

CATERPILLAR 224

5TC / HEBP1512

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7W-4700 ENGINE AR

7W4700 ENGINE AR-PRIMARY

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

Ref.	Part number	Description	Qty	Code	Group page
	7C-2801	AIR COMPRESSOR GP	1	Y	
	7W-4722	ALTERNATOR GROUP	1	Y	4, 6
	7W-4708	AUXILIARY DRIVE GROUP	1	Y	8
	7W-4704	CAMSHAFT GROUP	1	Y	9
	7W-4702	CRANKSHAFT GROUP	1	Y	10
OR alternate consist option CAT source: -OR-					
	7C-8944	CRANKSHAFT GP	1	Y	
	7W-4709	CRANKSHAFT PULLEY GROUP	1	Y	
	7W-4701	CYLINDER BLOCK GROUP	1	Y	,
	7W-4705	CYLINDER HEAD GROUP	1	Y	
	7W-4712	DUPLEX ENGINE OIL FILTER GROUP	1	Y	
	7W-4534	ENGINE MOUNTING GROUP	1	Y	
	7W-4711	ENGINE OIL LINES GROUP	1	Y	
	7W-4713	ENGINE OIL PUMP GROUP	1	Y	
	7W-4717	EXHAUST MANIFOLD GROUP	1	Y	
	7W-7185	FAN MOUNTING GROUP	1	Y	
	7W-1141	FLYWHEEL GROUP	1	Y	
	7W-4513	FLYWHEEL HOUSING GROUP	1	Y	
	7W-4723	FRONT HOUSING GROUP	1	Y	
	7W-4510	FRONT IDLER GEAR PUMP	1	Y	
	7W-4529	FUEL FILTER GROUP	1	Y	
	7W-4527	FUEL FILTER LINES GROUP	1	Y	
	7W-4721	FUEL INJECTION LINES GROUP	1	Y	
OR alternate consist option CAT source: -OR-					
	7C-8946	LINES GP-FUEL INJECTION	1	Y	
	7W-4720	FUEL INJECTION PUMP GROUP	1	Y	
	7W-4528	FUEL PUMP GROUP	1	Y	
	7W-4523	FUMES DISPOSAL GROUP	1	Y	
	7W-4718	INLET MANIFOLD GROUP	1	Y	
	7W-4507	LIFTING GROUP	1	Y	
	7W-4516	OIL GAUGE GROUP	1	Y	
	7W-4515	OIL PAN GROUP	1	Y	
	7W-4703	PISTON GROUP	1	Y	

7W-4700 ENGINE AR (continued)

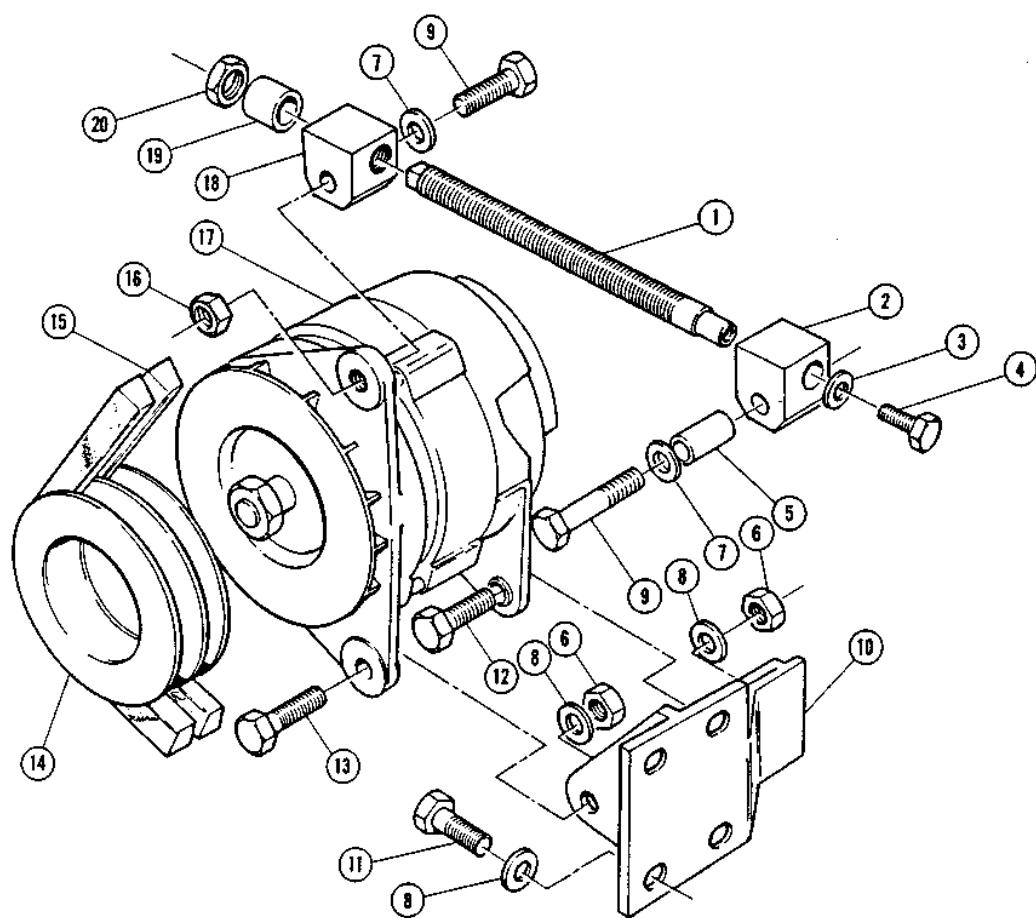
Ref.	Part number	Description	Qty	Code	Group page
	7W-4738	STARTING AID GROUP	1	Y	
	7W-4532	STARTING MOTOR GROUP	1	Y	
	7W-4710	TENSIONER PULLEY GROUP	1	Y	
	7W-4719	TURBOCHARGER GROUP	1	Y	
	7W-4506	VALVE MECHANISM GROUP	1	Y	
	7W-4508	VALVE MECHANISM COVER GROUP	1	Y	
	7W-4520	WATER LINES GROUP	1	Y	
	7W-4715	WATER PUMP GROUP	1	Y	
THE FOLLOWING KITS AND GROUP ARE AVAILABLE FOR SERVICE REPAIR					
	7W-4706	SHORT CYLINDER BLOCK GROUP	1		
	7W-4707	GASKET KIT, TOP	1		
	7W-4537	GASKET KIT, BOTTOM	1		

CAT codes: Y.

7W-4722 ALTERNATOR GP-CHARGING

7W4722 ALTERNATOR GP TYPE 1

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	7W-4807	SCREW-ALTERNATOR ADJUSTABLE	1		
2	7W-4806	PIVOT	1		
3	5P-0537	WASHER	1		
4	6F-7027	BOLT	1		
5	7J-8673	PIPE	1		
6	9S-8751	NUT-FULL	2		
7	5M-2894	WASHER	2		
8	9M-1974	WASHER	6		
9	0L-0478	BOLT	2		
10	7W-4805	BRACKET-ALTERNATOR MTG	1		
11	4B-9883	BOLT	4		
12	067-6238	BOLT	1		
13	032-8007	BOLT	1		
14	7W-4804	PULLEY-ALTERNATOR	1		
15	4N-8771	V-BELT SET	1		

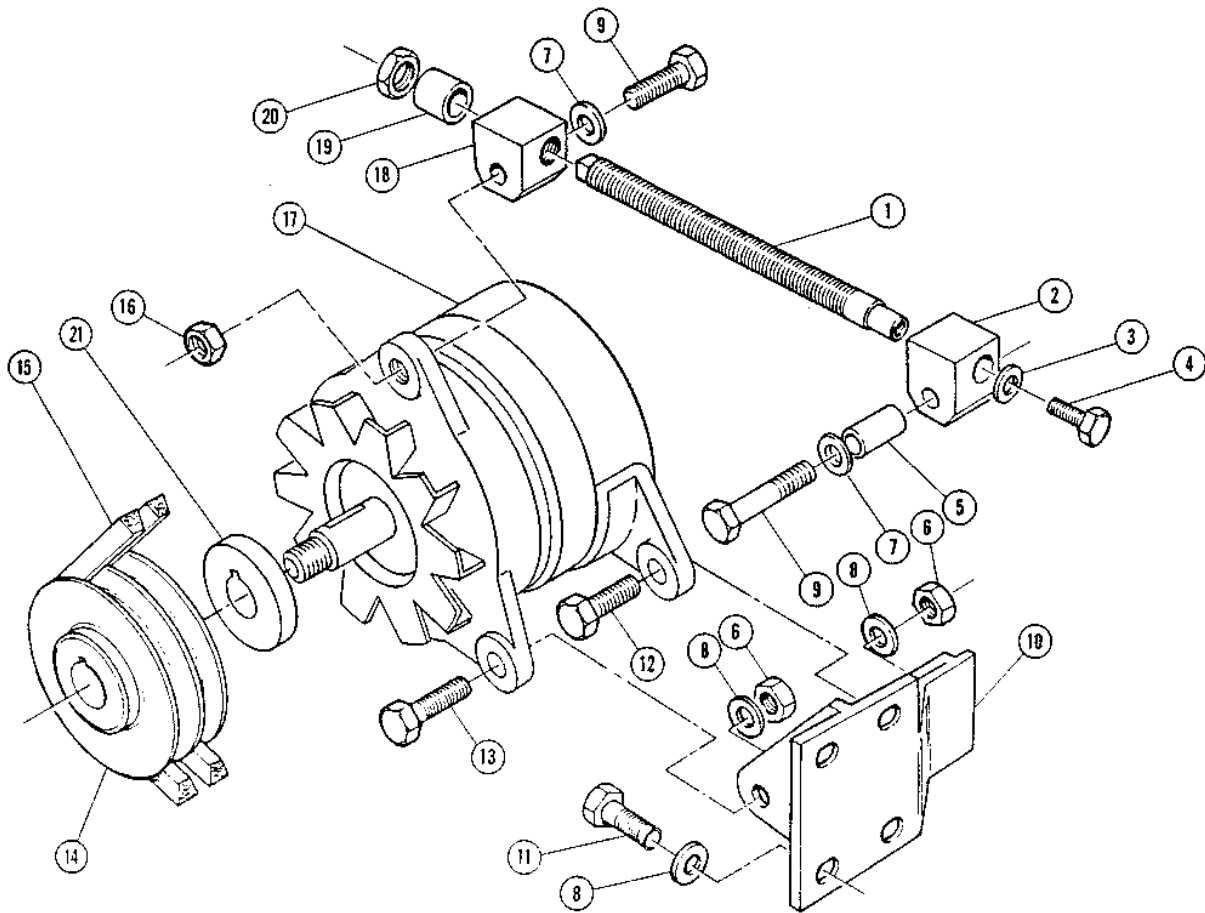
7W-4722 ALTERNATOR GP-CHARGING (continued)

Ref.	Part number	Description	Qty	Code	Group page
16	1B-4203	NUT-FULL	1		
17	7W-4570	ALTERNATOR	1		
18	7W-4808	PIVOT	1		
19	8M-8429	TUBE	1		
20	067-6216	NUT-SCREW	1		

7W-4722 ALTERNATOR GP-CHARGING

7W4722 ALTERNATOR GP TYPE 2

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	7W-4807	SCREW-ALTERNATOR ADJUSTABLE	1		
2	7W-4806	PIVOT	1		
3	5P-0537	WASHER	1		
4	6F-7027	BOLT	1		
5	7J-8673	PIPE	1		
6	9S-8751	NUT-FULL	2		
7	5M-2894	WASHER	2		
8	9M-1974	WASHER-HARD	6		
9	0L-0478	BOLT	2		
10	7W-4805	BRACKET-ALTERNATOR MTG	1		
11	4B-9883	BOLT	4		
12	067-6238	BOLT	1		
13	032-8007	BOLT	1		
14	7C-2220	PULLEY-ALTERNATOR	1	C	
15	109-9767	V-BELT SET	1		

7W-4722 ALTERNATOR GP-CHARGING (continued)

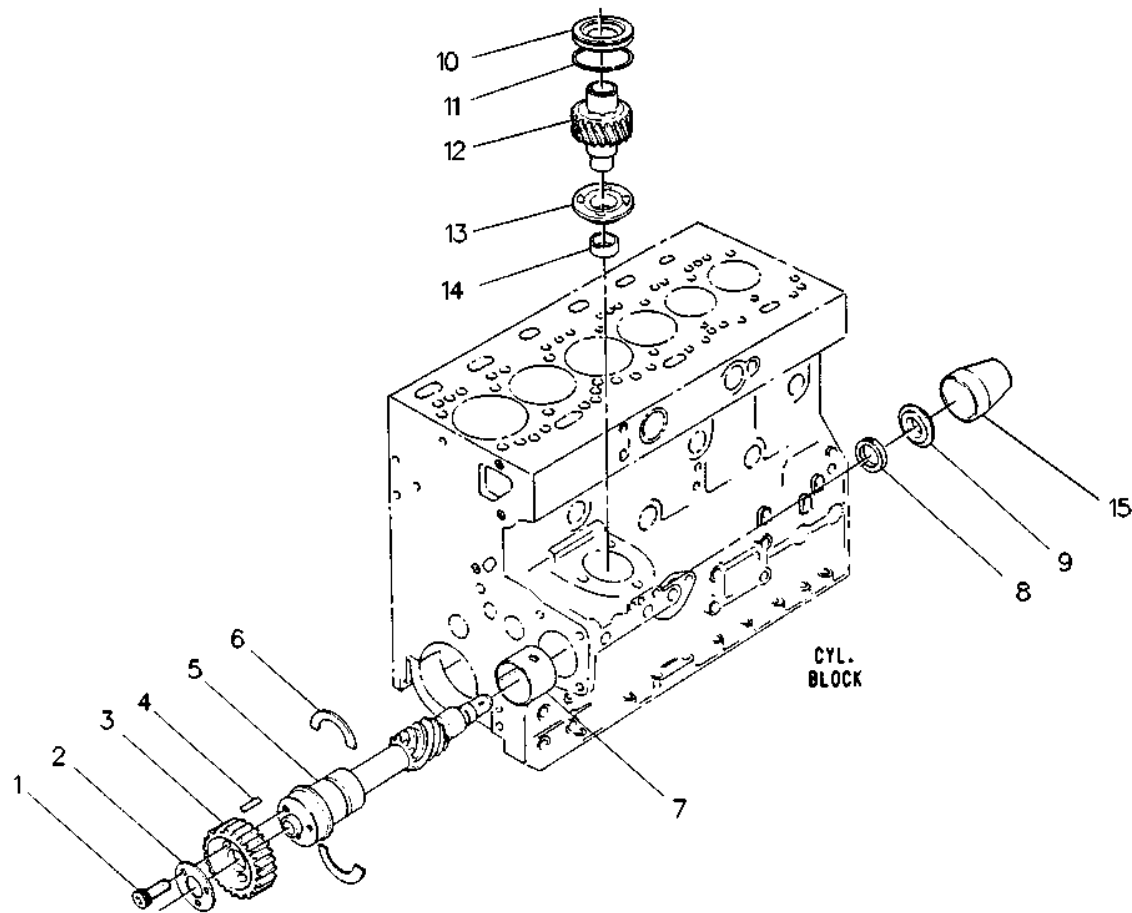
Ref.	Part number	Description	Qty	Code	Group page
16	1B-4203	NUT-FULL	1		
17	7C-2223	ALTERNATOR	1	C	
18	7W-4808	PIVOT	1		
19	8M-8429	TUBE	1		
20	067-6216	NUT-SCREW	1		
21	7C-2219	SPACER-PULLEY	1	C	

CAT codes: C.

7W-4708 DRIVE GP-AUXILIARY

7W4708 DRIVE GP-AUXILIARY

Drawing 1 of 1

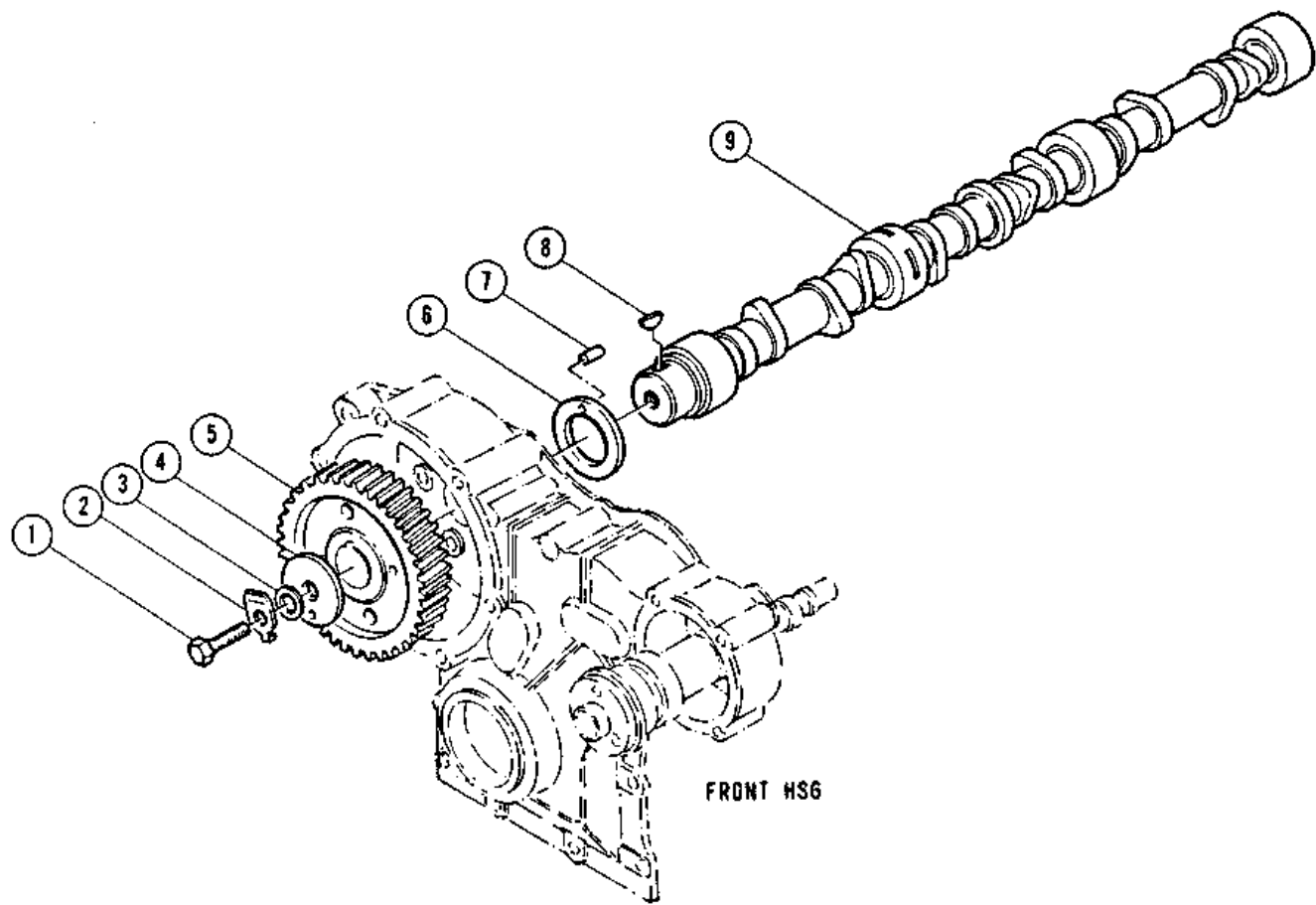


Ref.	Part number	Description	Qty	Code	Group page
1	4L-1507	BOLT	3		
2	7W-4638	PLATE-RETAINING	1		
3	7W-4637	GEAR-FUEL PUMP	1		
4	067-9530	DOWEL-LOCATION	1		
5	7W-4636	SHAFT-PUMP DRIVE	1		
6	067-9529	PLATE-THRUST	2		
7	067-9527	BUSHING-DRIVE SHAFT	1		
8	067-9528	BUSHING-DRIVE SHAFT	1		
9	8N-8991	SEAL	1		
10	067-9539	COLLAR-LOWER	1		
11	067-9538	RING-SEALING	1		
12	7W-4639	GEAR AS-DRIVE	1		
13	1N-4442	BEARING	1		
14	067-9540	BUSHING-SHAFT	1		
15	5C-1812	COVER-DRIVE SHAFT	1		

7W-4704 CAMSHAFT GP

7W4704 CAMSHAFT GP

Drawing 1 of 1

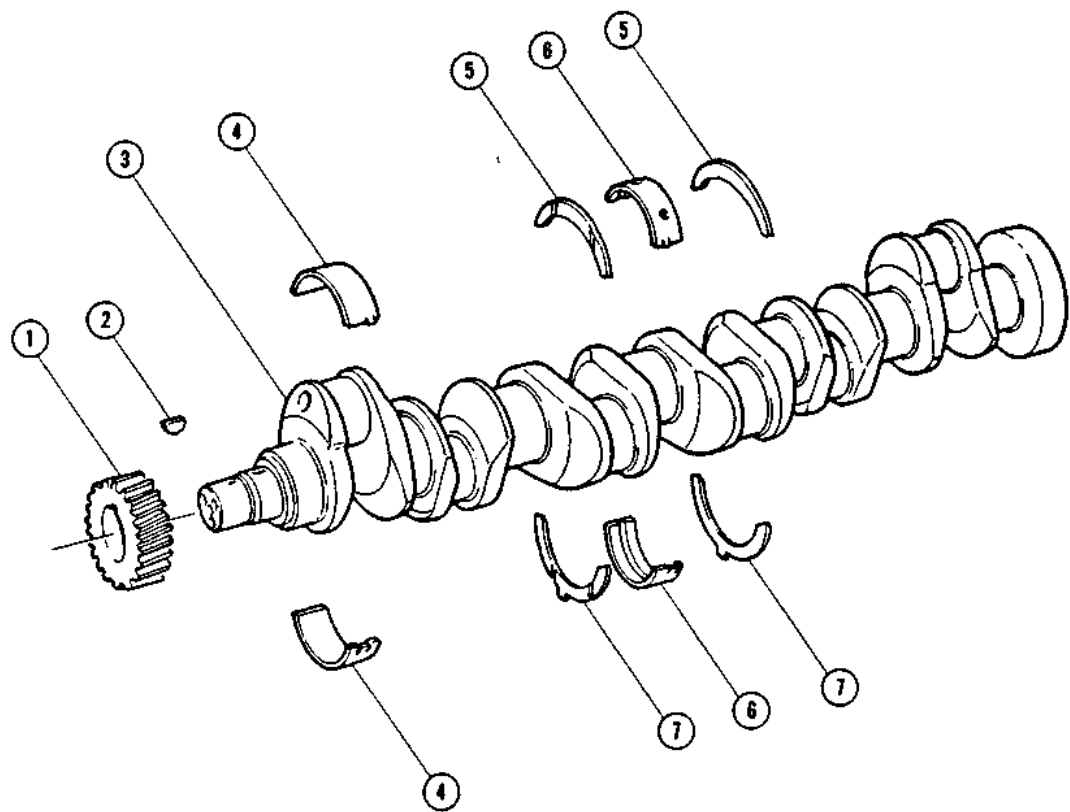


Ref.	Part number	Description	Qty	Code	Group page
1	006-9566	BOLT	1		
2	067-6896	TAB	1		
3	030-7028	SHIM	1		
4	067-6895	WASHER	1		
5	032-9094	GEAR	1		
6	7W-4842	PLATE-THRUST	1		
7	067-6179	DOWEL	1		
8	1B-8736	KEY-WOODRUFF	1		
9	7W-4599	CAMSHAFT	1		

7W-4702 CRANKSHAFT GP

7W4702 CRANKSHAFT GP ENGINE S/N U758682N & BELOW

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	067-6134	GEAR-CRANKSHAFT	1		
2	1B-8736	KEY-WOODRUFF	1		
3	7W-4811	CRANKSHAFT GP (BASIC)	1		
4	7W-4816	BEARING SET-ROD	1		
	7W-4817	BEARING SET (CONNECTING ROD)	1	A	
.25MM(.010IN.) UNDERSIZE					
	7W-4818	BEARING SET (CONNECTING ROD)	1	A	
.51MM(.020IN.) UNDERSIZE					
	7W-4819	BEARING SET (CONNECTING ROD)		A	
.76MM(.030IN.) UNDERSIZE					
5	032-9090	WASHER-THRUST	2		
	067-6873	WASHER-THRUST (UPPER)	1	A	

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