

CATERPILLAR D7E

MDB / SEBP5039

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GENERAL SAFETY RECOMMENDATIONS

GENERAL SAFETY RECOMMENDATIONS CATERPILLAR D7E

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Some illustrations in this manual may show details or attachments which may be different from your winch. Also, some components may be removed for illustrative purposes.

Continuing product improvement may cause changes in your winch which may not be included in this manual. When a question arises regarding your winch or this manual, contact your nearest PACCAR dealer or the factory Service Department at 918-251-8511, Monday - Friday, 8:00 a.m. to 4:30 p.m. CST, or by Fax at 918-259-1575. Provide the complete winch model number and serial number when making inquiries. The model and serial numbers are stamped into the winch housing on the upward facing surface near the forward most mounting flange.

PACCAR provides parts and service through a network of authorized dealers. Parts and service are not available directly from the factory. For the name of your nearest dealer, consult your local phone directory or call us at the phone number shown above.

 **WARNING** 

Make sure the tractor is secured so that it cannot roll away and the engine switched off before starting ANY work on the hydraulic system.

 **CAUTION** 

The hydraulics may only be operated or serviced independently by persons who are over the age of 18, are physically and mentally fit, and have been instructed on how to operate and service hydraulic systems

 **WARNING** 

The hydraulic system may be under high pressure. It must therefore be depressurized as specified in the operating instructions before starting any work on the hydraulic system.

 **CAUTION** 

Beware of injuries when attempting to locate leaks. Always use a piece of paper or cardboard for this purpose, never your hands. Fluid emerging under pressure may not be visible but can penetrate the skin and cause serious injuries which must be treated by a medical professional without delay.

 **WARNING** 

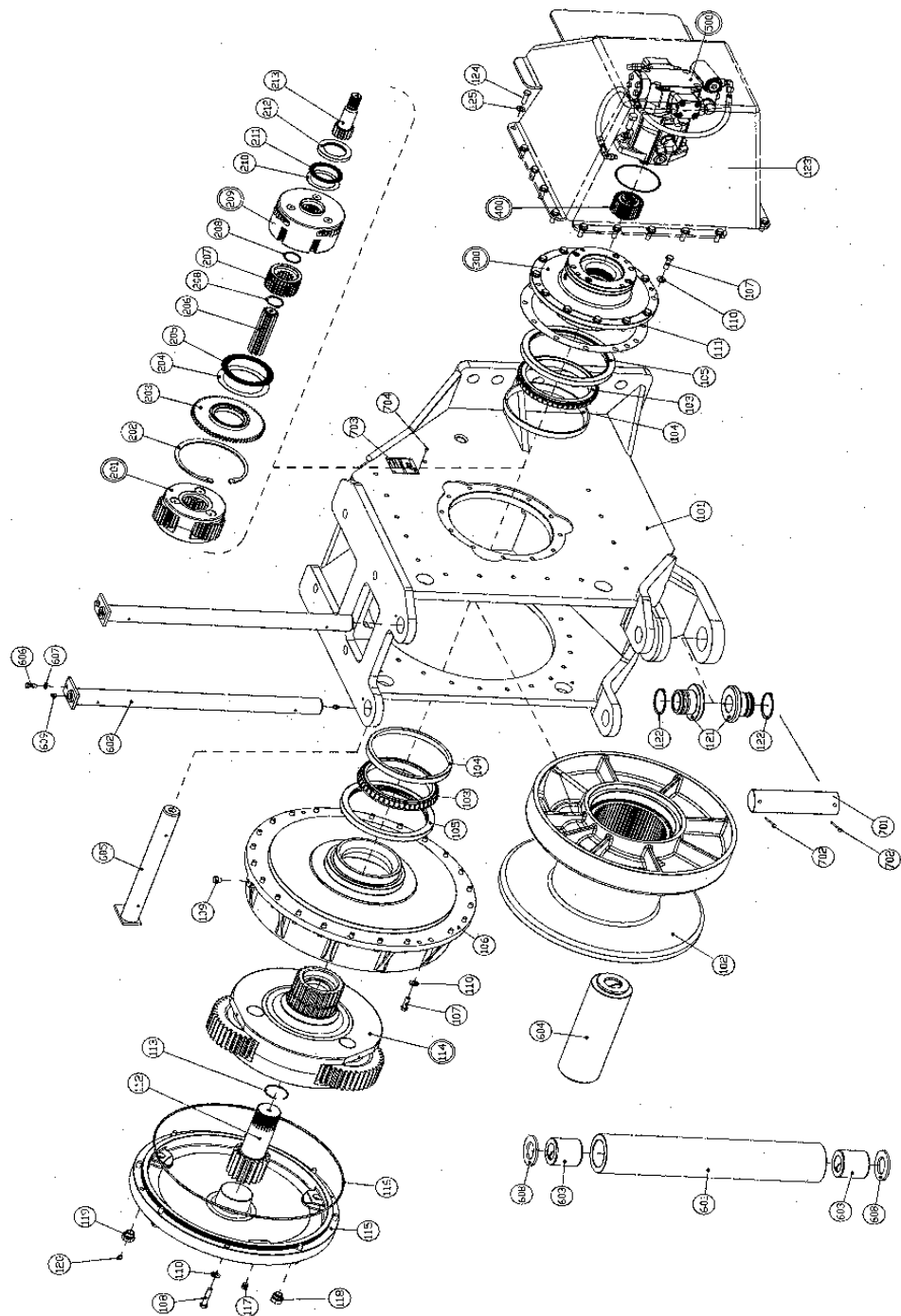
Hydraulic hose lines must be examined regularly. The hoses must be replaced if damaged or deformed and upon expiry of their service life. The hose lines must comply with technical specifications of the supplier.

Ref.	Part number	Description	Qty	Code	Group page
Parts list rows are not synced on this VPS for SEBP5039/SEBP50390001 yet.					

WINCH HOUSING AND FAIRLEAD GROUPS

WINCH HOUSING AND FAIRLEAD GROUPS PA90VS

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
101	010-2795	HOUSING (MACHINED)	1	*	
102	010-8026	CABLE DRUM	1	*	
103	110-8366	BEARING CONE	2		
104	110-8368	BEARING CUP	2		
105	126-0772	OIL SEAL	2		

WINCH HOUSING AND FAIRLEAD GROUPS (continued)

Ref.	Part number	Description	Qty	Code	Group page
106	010-2791	RING GEAR	1	*	
107	1A-1460	CAPSCREW (1/2-13X2, G8 Z)	12		
108	7X-0325	CAPSCREW (1/2-13X2-1/2, G8 Z)	8		
109	1K-6705	CAPSCREW (1/2-13X1/2, G8 Z)	1		
110	8T-4223	WASHER (HARD) (1/2)	44		
111	006-3235	SHIM PACK	2	*	
112	010-3183	OUTPUT SUN GEAR	1	*	
113	010-2801	RETAINING RING	1	*	
114	008-2922	OUTPUT PLANET CARRIER ASSEMBLY (REFER TO PAGE 8)	1	*	
115	010-3185	END COVER	1	*	
116	4H-6730	O-RING	1		
117	148-8407	PLUG	1		
118	126-0778	MAGNETIC DRAIN PLUG	1		
119	126-3230	FILL (VENT PLUG)	1		
120	6U-1989	RELIEF VALVE (VENT)	1		
121	010-2206	BUSHING	2	*	
122	010-2209	RETAINING RING	2	*	
123	010-6171	MOTOR COVER	1	*	
124	5P-2566	CAPSCREW (1/2-13X1-1/2, G8 Z)	24		
125	8T-4223	WASHER (1/2)	18		
201	008-1845	INTERMEDIATE PLANET CARRIER ASSEMBLY (REFER TO PAGE 9)	1	*	
202	010-3029	RETAINING RING	1	*	
203	010-2797	THRUST RING	1	*	
204	231-4084	THRUST WASHER	1		
205	231-4088	NEEDLE ROLLER BEARING	1		
206	010-2784	INTERMEDIATE SUN GEAR	1	*	
207	010-2802	GEAR ADAPTER	1	*	
208	1K-6995	RETAINING RING	2		
209	008-2924	CARRIER CLUTCH ASSEMBLY (255:1 RATIO) (REFER TO PAGE 10)	1	*	
210	231-4087	THRUST WASHER	1		
211	231-4085	NEEDLE ROLLER BEARING	1		
212	010-2790	THRUST RACE	1	*	
213	010-3015	PRIMARY SUN GEAR (255:1 RATIO)	1	*	
300	008-2921	BRAKE HOUSING ASSEMBLY (REFER TO PAGE 12)	1	*	
400	008-1716	SPRAG CLUTCH ASSEMBLY (REFER TO PAGE 11)	1	*	
500	006-4305	HYDRAULIC MOTOR GROUP (REFER TO 6)	1	*	

WINCH HOUSING AND FAIRLEAD GROUPS (continued)

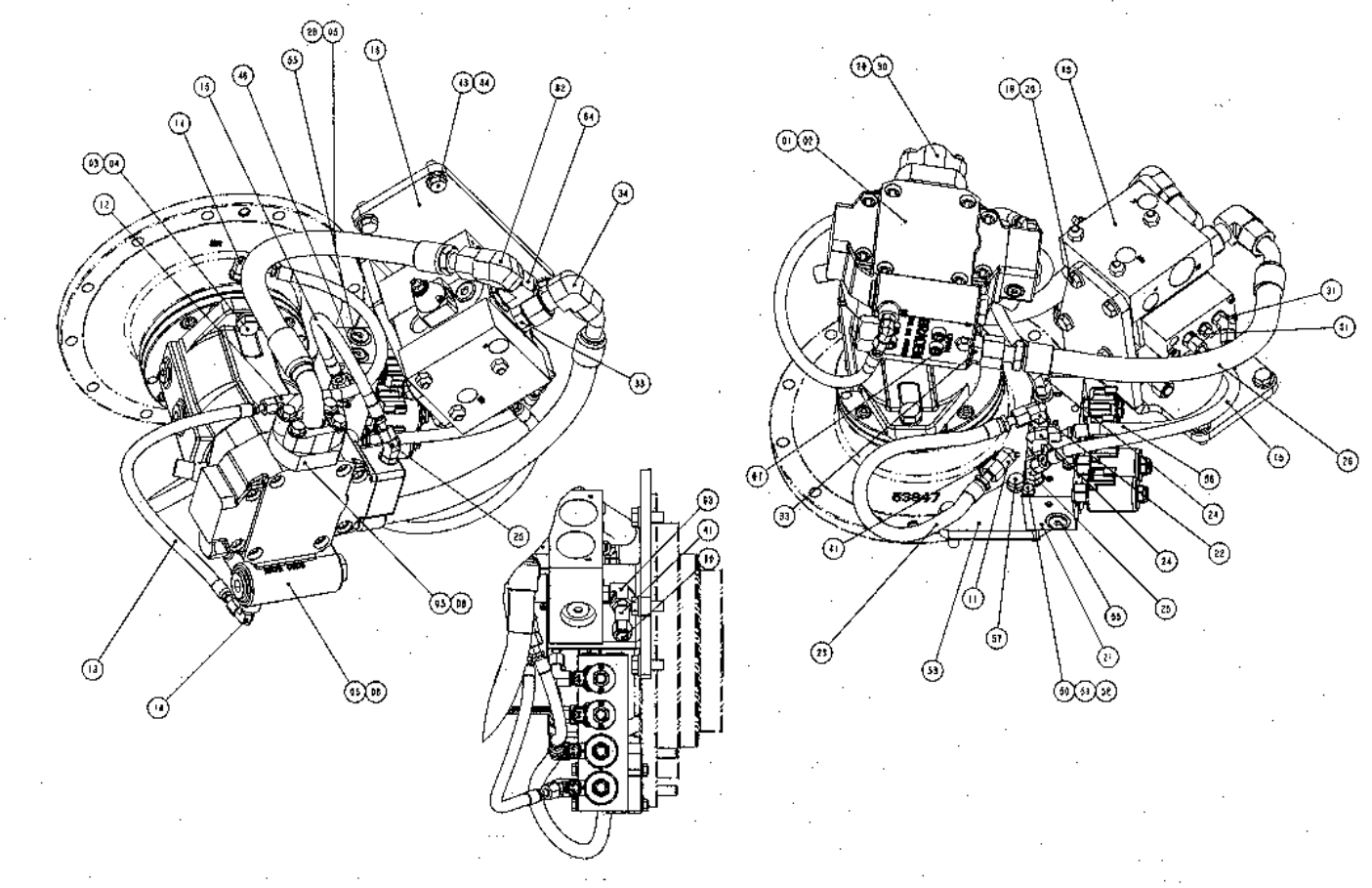
Ref.	Part number	Description	Qty	Code	Group page
601	126-0836	VERTICAL ROLLER (3-ROLLER)	2		
	126-0836	VERTICAL ROLLER (4-ROLLER)	2		
602	126-0835	VERTICAL SHAFT ASSEMBLY (3-ROLLER)	2		
	126-0835	VERTICAL SHAFT ASSEMBLY (4-ROLLER)	2		
603	126-0794	BUSHING (3-ROLLER)	6		
	126-0794	BUSHING (4-ROLLER)	8		
604	010-2793	HORIZONTAL ROLLER (3-ROLLER)	1	*	
	010-2793	HORIZONTAL ROLLER (4-ROLLER)	2	*	
605	010-2792	HORIZONTAL SHAFT ASSEMBLY (3-ROLLER)	1	*	
	010-2792	HORIZONTAL SHAFT ASSEMBLY (4-ROLLER)	2	*	
606	4L-6454	CAPSCREW (3/8-16X1 G8 Z) (3-ROLLER)	3		
	4L-6454	CAPSCREW (3/8-16X1 G8 Z) (3-ROLLER)	4		
607	8T-4896	WASHER (HARD) (3-ROLLER)	3		
	8T-4896	WASHER (HARD) (4-ROLLER)	4		
608	126-0806	WASHER (HARD) (2 IN) (3-ROLLER)	6		
	126-0806	WASHER (HARD) (2 IN) (4-ROLLER)	8		
609	3B-8489	GREASE FITTING (3-ROLLER)	6		
	3B-8489	GREASE FITTING (4-ROLLER)	8		
	006-3433	4TH ROLLER GROUP (INCLUDES ITEMS 603-609 NEEDED FOR ONE COMPLETE ROLLER INSTALLATION) (3-ROLLER)		*	
701	010-2628	DRAWBAR PIN	1	*	
702	3B-5320	COTTER PIN	2		
703	010-5318	NAMEPLATE	1	*	
704	7H-4543	DRIVE SCREW	4		

CAT source note: * CAT source note; shown as provided

MOTOR GROUP

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Ref.	Part number	Description	Qty	Code	Group page
1	010-7200	HYD MOTOR	1	*	
2	4S-5898	O-RING	1		
3	7X-0345	CAPSCREW (5/8-11X1 3/4 G8 Z)	2		
4	3B-4510	LOCKWASHER (5/8)	2		
5	4F-7391	O-RING	3		
7	130-7445	CAPSCREW (7/16-14X2 3/4 G8 S HD)	4		
8	126-0824	ADAPTER BLOCK	1		
11	6V-9850	ELBOW (90 ORS SWIVEL NUT)	1		
12	148-8432	TEE	1		
13	152-8369	HOSE ASSY	1		
14	148-8369	ADAPTER (90° ELBOW ORFS/ORB)	2		
15	152-8368	HOSE (-4 ORFS X 14)	1		
16	010-8008	BRACKET	1	*	
18	010-8007	VALVE (DIRECTIONAL CONTROL)	1	*	
19	8T-4195	CAPSCREW (HEX HD M10 X 1.50 X 30L GR10.9)	4		

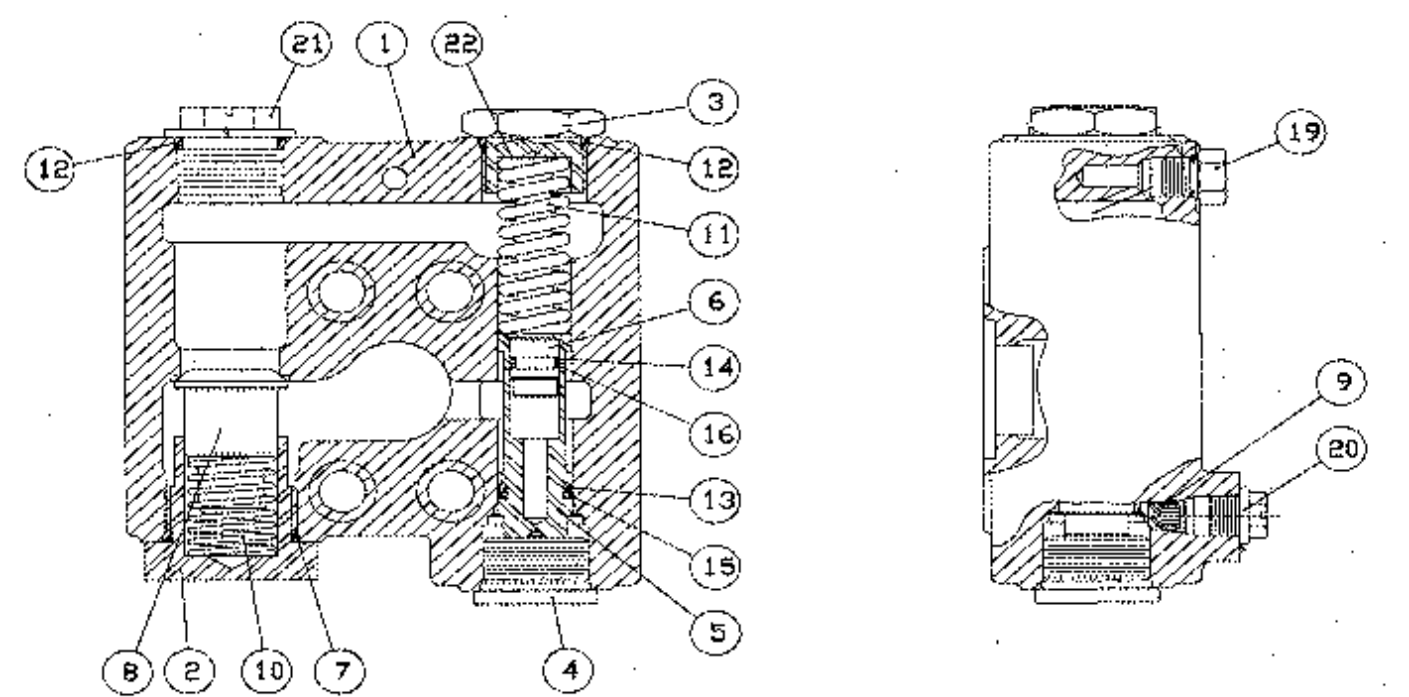
MOTOR GROUP (continued)

Ref.	Part number	Description	Qty	Code	Group page
20	8T-4121	WASHER (M10 HARD Z)	4		
21	008-3650	VALVE (COMBINATION SOLENOID)	1	*	
21A	010-6377	CARTRIDGE VALVE	2	*	
21B	010-6378	SOLENOID COIL	2	*	
21C	010-7633	SOLENOID VALVE	2	*	
22	148-8378	ELBOW	1		
23	158-6521	HOSE ASSY	1		
24	6V-8627	ELBOW (90°,-6ORB,-4ORFS)	1		
25	150-3033	ELBOW (45°)	2		
26	010-8011	HOSE (-12 ORFS X 21.00)	1	*	
28	010-8012	HOSE (-16 X 16.25")	1	*	
29	126-7138	SPLIT FLANGE KIT	1		
30	7X-0313	CAPSCREW (7/16-14X2 3/4 G8 Z)	4		
31	148-8385	ELBOW (45°)	1		
33	6V-8637	ADAPTER	2		
34	148-8392	ELBOW (-12 ORFS/-12 ORFS SWIVEL)	1		
41	164-9869	ADAPTER (STR THD (-6) ORFS/0)	2		
43	8T-8917	CAPSCREW (1/2-13X1 1/4 G8 Z)	18		
46	3J-5334	PLUG	1		
50	7X-0276	CAPSCREW (5/16-18X3 1/2 G8 Z)	3		
51	8T-4224	WASHER (5/16)	6		
52	6V-8189	HEX NUT	3		
53	010-7593	BRACKET	1	*	
55	9S-8005	PLUG (O-RING FLUSH)	2		
56	010-4505	HOSE ASSY	1	*	
57	7X-0325	CAPSCREW (1/2-13X2 1/2 G8 Z)	2		
60	6V-9829	CAP	1		
61	6V-8647	ADAPTER (STRAIGHT ORS/ORB)	1		
62	148-8347	ELBOW (-12 ORB/ORFS)	1		
63	150-3065	ELBOW (SPL)	1		
64	010-8030	ELBOW (90-12 ORB MALE/ORB FE)	1	*	
CAT source note: * CAT source note; shown as provided					

BRAKE VALVE

BRAKE VALVE CATERPILLAR D7E

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
	126-2864	BRAKE VALVE ASSEMBLY			
1	126-2467	BRAKE VALVE HOUSING	1		
2	242-7228	VALVE SPRING RETAINER	1		
3	296-4278	PLUG (SPRING RETAINER)	1		
4	9S-8008	PLUG	1		
5	126-0819	SPOOL (LOW PRESSURE)	1		
6	126-2454	STOP (SPOOL)	1		
7	7M-8485	O-RING	1		
8	242-7226	CHECK VALVE POPPET	1		
9	126-2453	PILOT ORIFICE	1		
10	126-0817	CHECK VALVE SPRING	1		
11	242-7227	DIE SPRING	1		
12	3D-2824	O-RING	2		
13	4J-5268	O-RING	1		
15	126-3349	BACK-UP RING	1		
19	155-3624	HEX HEAD PLUG (-4SAE)	1		
20	002-5403	SHIPPING PLUG (HYD)	1	*	

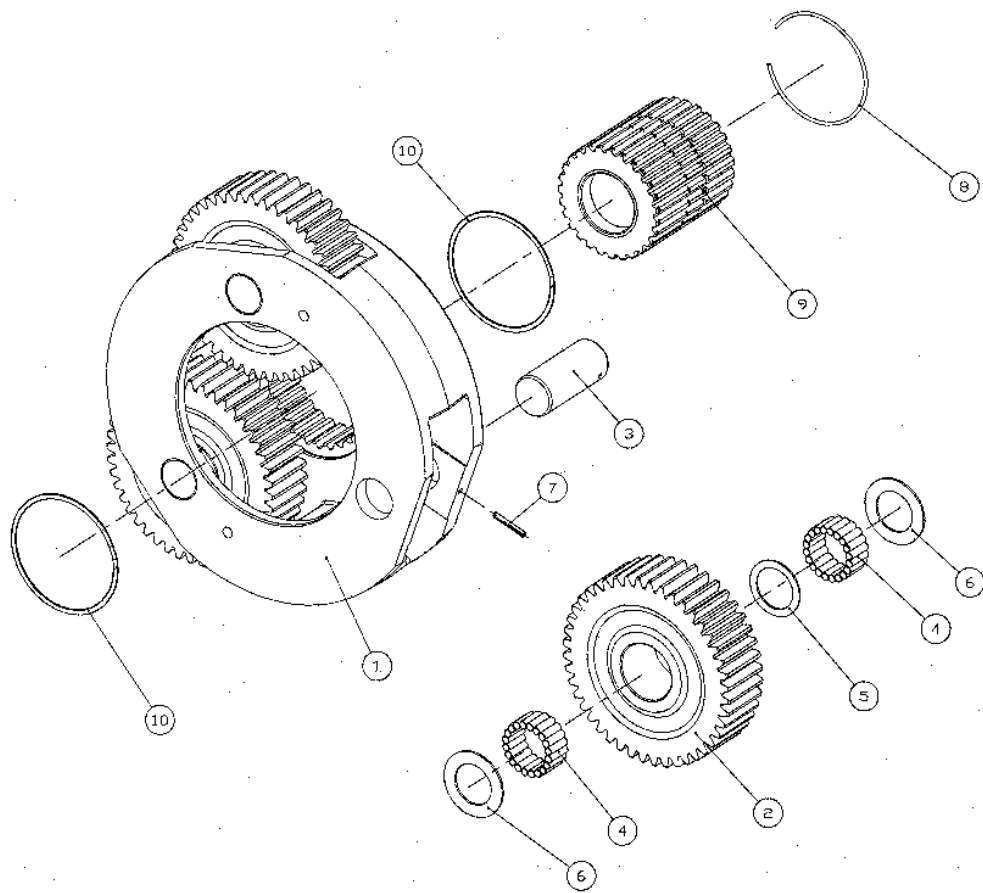
BRAKE VALVE (continued)

Ref.	Part number	Description	Qty	Code	Group page
	002-5403	SHIPPING PLUG HYD	1	*	
21	007-5288	SHIPPING PLUG	1	*	
22	8J-7269	SHIM (VALVE SPRING)	1		
CAT source note: * CAT source note; shown as provided					

OUTPUT PLANET CARRIER ASSEMBLY

OUTPUT PLANET CARRIER ASSEMBLY PA90VS

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
	008-2922	OUTPUT PLANET CARRIER ASSEMBLY	1	*	
1	126-7135	OUTPUT PLANET CARRIER	1		
2	231-2228	PLANET GEAR	3		
3	126-0786	PLANET PIN	3		
4	126-0785	ROLLER	120		
5	126-0779	BEARING SPACER	3		
6	126-0784	THRUST WASHER	6		
7	4H-4737	ROLL PIN	3		
8	126-0783	RETAINING RING	1		
9	010-2807	DRUM SHAFT	1	*	
10	126-0782	RETAINING RING	2		
CAT source note: * CAT source note; shown as provided					

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