

CATERPILLAR D6K

NCF / SEBP4996

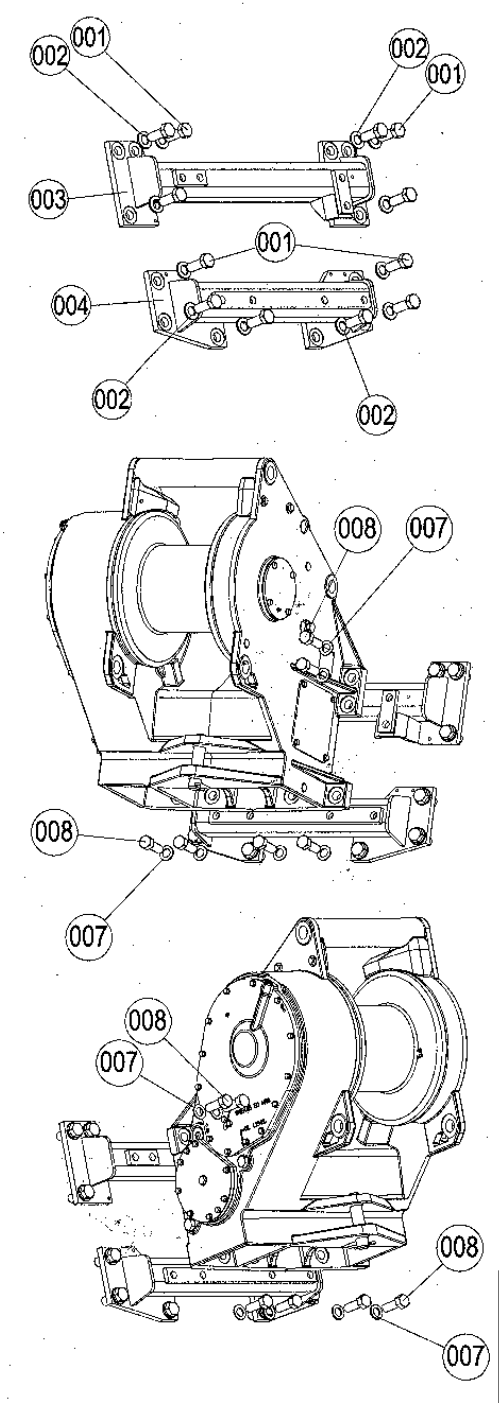
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MOUNTING GROUP

MOUNTING GROUP

Drawing 1 of 2



MOUNTING GROUP (continued)

Drawing 2 of 2

MOUNTING GROUP INSTRUCTIONS

⚠ WARNING ⚠

Winch and adapters weigh approximately 1,400 lb (635 kg). Make certain that lifting equipment has adequate capacity. Failure to use adequate lifting equipment may result in property damage, personal injury or death.

1. Remove paint, rust, dirt and grease from mounting surfaces of tractor, winch and winch adapters.
2. Apply Loctite 242 or equivalent to threads of bolts (items 2 & 8.)
3. Install adapter brackets (items 3 & 4) to tractor using adapter mounting capscrews and lockwashers (items 1 & 2). Do not torque bolts at this stage.
4. Support entire winch with a certified lifting sling. Raise winch parallel to brackets (items 3 & 4.)
5. Apply Loctite 242 or equivalent to threads of capscrews, (item 8,) and fasten winch to adapter brackets.
6. Torque adapter mounting bolts (item 2) to *100 FT-LB (135 N.m)
7. Torque winch mounting bolts to (item 8) to *100 FT-LB (135 N.m)
8. All slack should now be removed between mating surfaces. If mounted winch is mis-aligned, loosen fasteners and repeat process.
9. Finally torque bolts to the following spec:
 - A) Capscrew Item 2 to *680 FT-LB (920 N.m)
 - B) Capscrew Item 8 to *680 FT-LB (920 N.m)

***NOTE:** Torque Values are for plated fasteners using Loctite 242 or equivalent.

***NOTE:** Where torque wrench access is limited, tighten all capscrews to remove slack (approx. 100 FT-LB.) Then turn bolt an additional 1/4 turn; this should provide adequate fastener preload.

⚠ WARNING ⚠

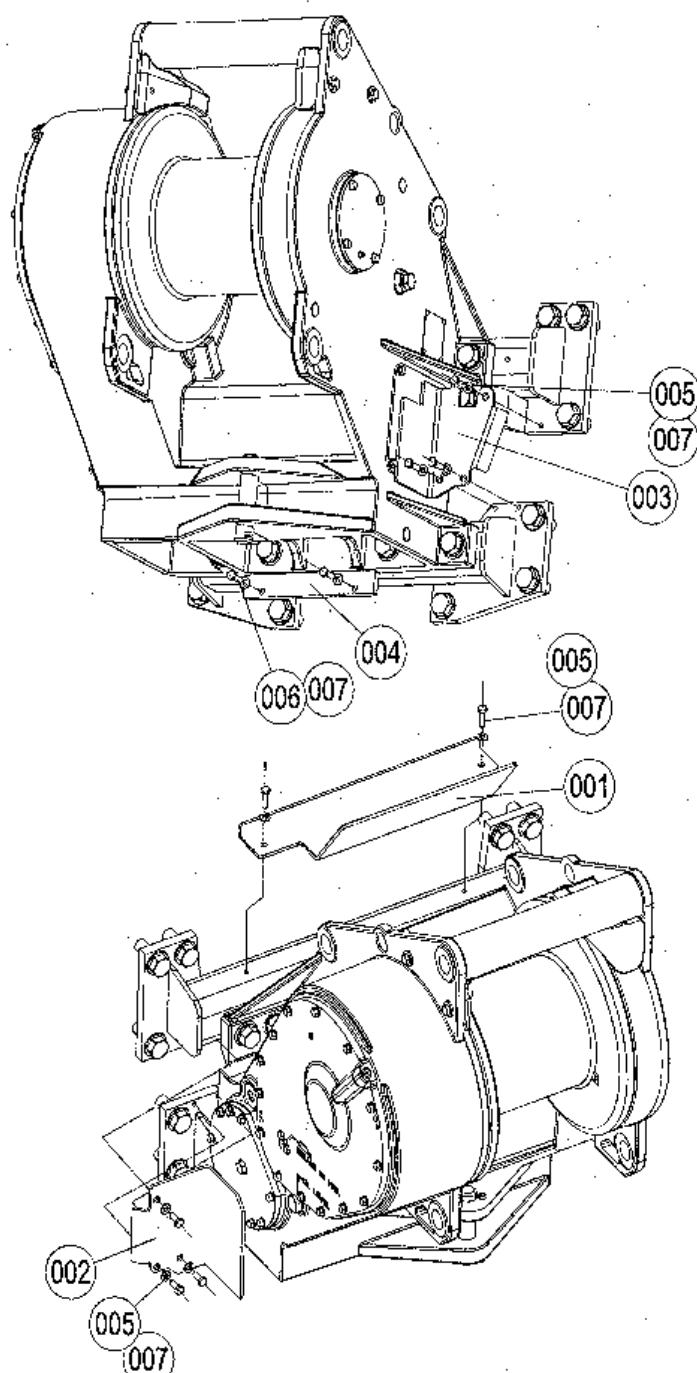
Fill winch to proper level with recommended oil **BEFORE** starting tractor. Winch bearing and gear damage may result if tractor is run without oil in winch.

Ref.	Part number	Description	Qty	Code	Group page
1	8T-5379	CAPSCREW	12		
2	8T-4167	WASHER	12		
3	297-1437	ADAPTER (UPPER)	1		
4	297-1438	ADAPTER (LOWER)	1		
7	8T-5361	WASHER	8		
8	7X-0405	CAPSCREW	8		

GUARD GROUP

GUARD GROUP

Drawing 1 of 2



GUARD GROUP (continued)

Drawing 2 of 2

GUARD GROUP INSTALLATION INSTRUCTIONS

1. It is advisable to install all guards as a final installation step. Access to winch motor area will need to be open for installation of hydraulic lines and control electronic harness.
2. Apply locktite 242 or equivalent to capscrews, items 5 & 6.
3. Install guards 1, 2, 3, & 4 using capscrews and lockwashers (items 5,6, & 7.)
4. Torque capscrews to *35 FT-LB (47 N.m).

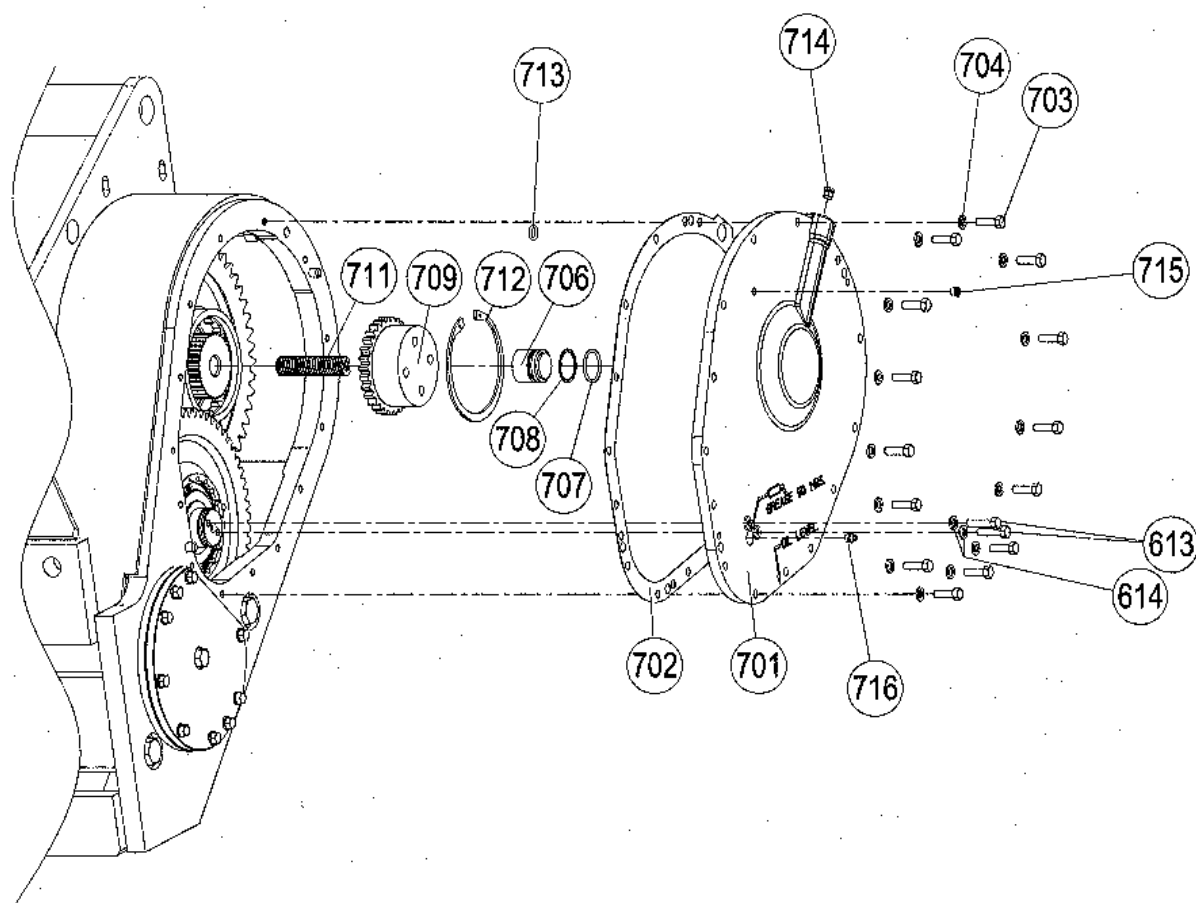
***NOTE:** Torque Values are for plated fasteners using Loctite 242 or equivalent.

Ref.	Part number	Description	Qty	Code	Group page
1	297-1432	UPPER GUARD	1		
2	297-1433	LEFT GUARD	1		
3	297-1434	RIGHT GUARD	1		
4	297-1435	LOWER GUARD	1		
5	8T-4136	CAPSCREW	8		
6	8T-4196	CAPSCREW	2		
7	8T-4121	WASHER	10		

FREESPOOL GROUP

FREESPOOL GROUP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
613	4L-9337	CAPSCREW (3/8-16X1" GD8)	2		
614	8T-4896	HARD WASHER (3/8 INCH)	2		
700	208-5552	FREESPOOL GROUP	1		
701	211-1856	GEAR COVER	1		
702	203-6640	GEAR COVER GASKET	1		
703	9B-7237	CAPSCREW (3/8-16X1 1/4 GD8)	14		
704	8T-4896	HARD WASHER	14		
706	172-0307	FREESPOOL PISTON ASSEMBLY	1		
707	8M-4986	O-RING	1		
708	162-2766	BACK-UP RING	1		
709	161-6422	FREESPOOL CLUTCH	1		
711	162-0175	FREESPOOL SPRING	1		
712	162-0180	RETAINING RING	1		
713	3H-3385	O-RING	1		

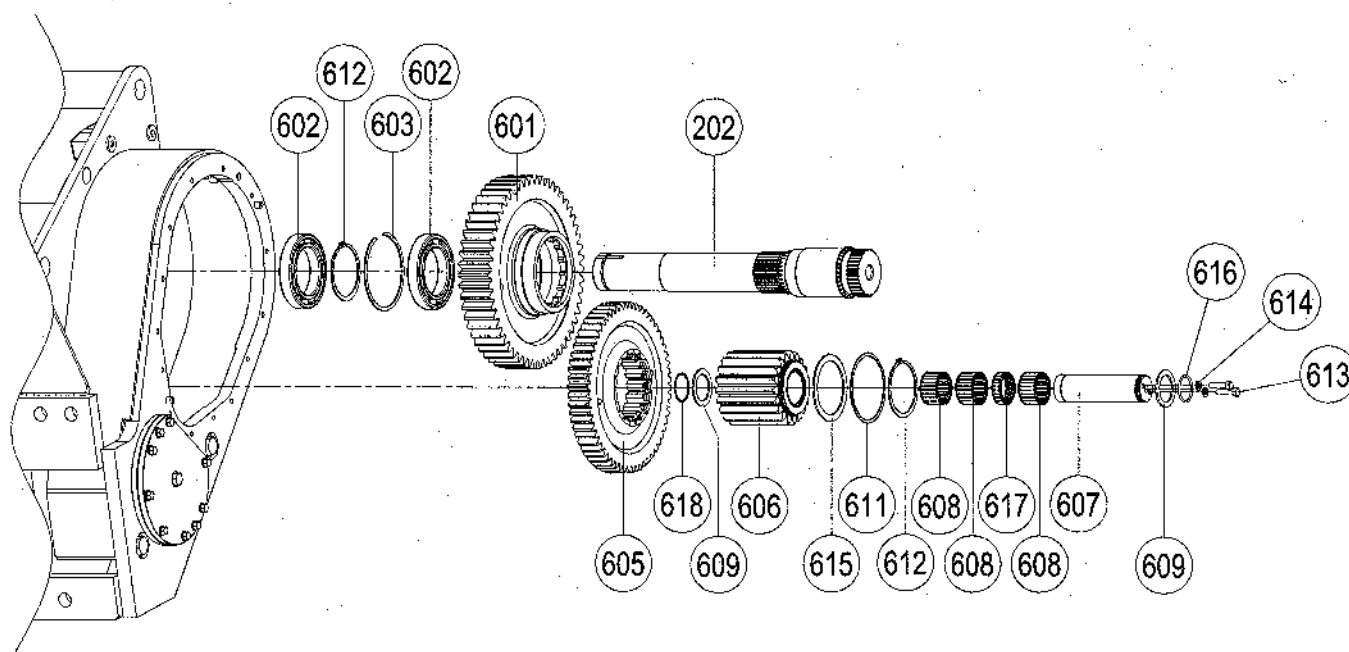
FREESPOOL GROUP (continued)

Ref.	Part number	Description	Qty	Code	Group page
714	9S-8002	PLUG	1		
715	6U-1989	RELIEF VALVE (1-5 PSI)	1		
716	3B-8489	GREASE FITTING	1		

GEAR GROUP

GEAR GROUP

Drawing 1 of 1

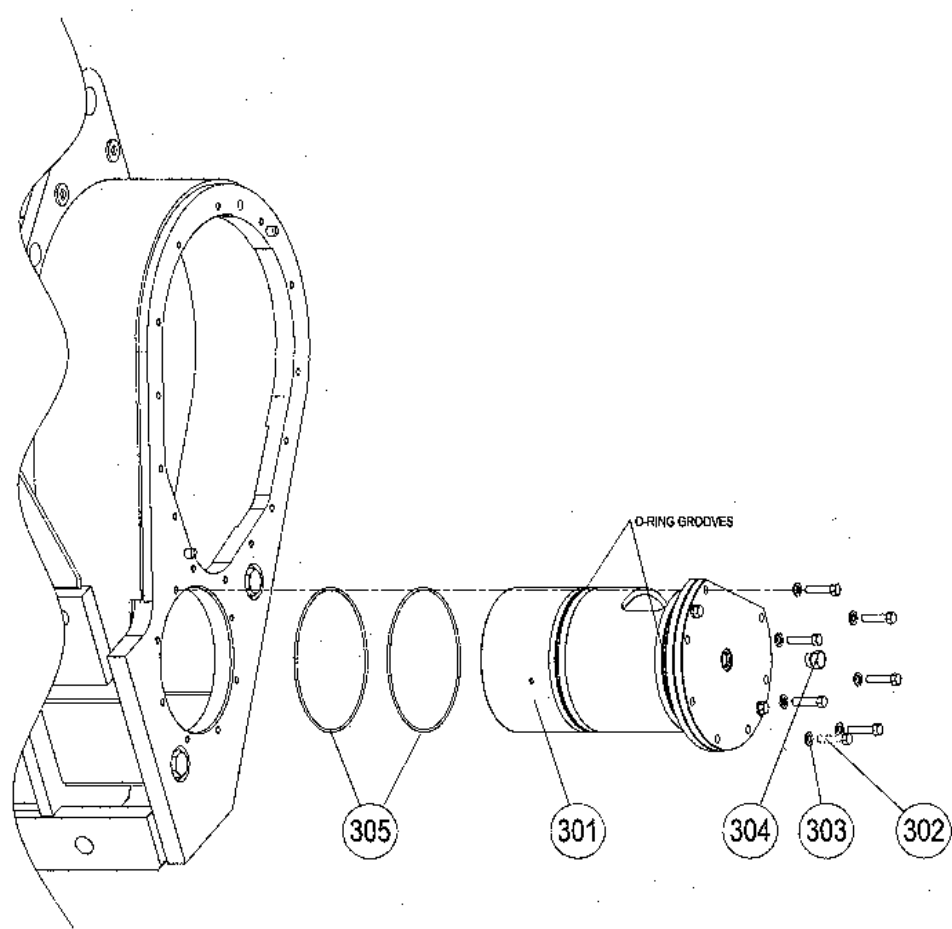


Ref.	Part number	Description	Qty	Code	Group page
600	208-5551	GEAR GROUP	1		
601	161-6424	BULL GEAR	1		
602	162-0178	BALL BEARING	2		
603	162-0179	SNAP RING	1		
606	161-6425	SECOND REDUCTION GEAR	1		
607	203-6639	GEAR SHAFT	1		
608	5S-6174	BEARING	3		
609	123-4410	THRUST RACE	2		
605	161-6427	FIRST REDUCTION GEAR	1		
611	162-2772	RETAINING RING	1		
612	119-1616	RETAINING RING	2		
613	4L-9337	CAPSCREW (3/8-16X1" GD8)	2		
614	8T-4896	HARD WASHER (3/8 INCH)	2		
615	161-8041	WASHER	1		
616	129-7301	O-RING	1		
617	172-2437	NEEDLE ROLLER BEARING	1		
618	1M-7914	EXTERNAL RETAINING RING	1		

CARTRIDGE ASSEMBLY

CARTRIDGE ASSEMBLY

Drawing 1 of 1

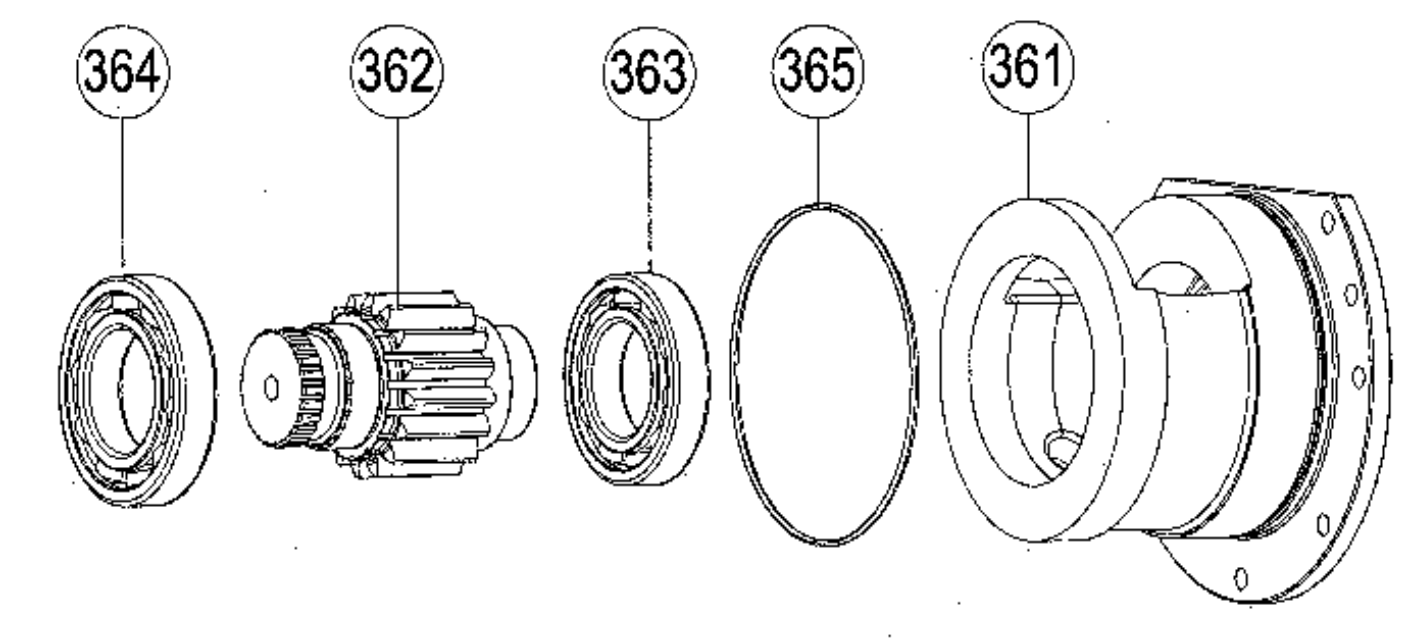


Ref.	Part number	Description	Qty	Code	Group page
301	211-8166	CARTRIDGE GROUP (REFER TO PAGE 7)	1		
302	7X-0288	CAPSCREW (3/8-16X1 5/8 GD8)	7		
303	8T-4896	WASHER (HARD)	7		
304	9S-8005	PLUG (O-RING FLUSH)	1		
305	119-1586	O-RING	2		

PINION AND CARRIER GROUP

PINION AND CARRIER GROUP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
361	203-6632	BEARING CARRIER	1		
362	203-6633	PINION	1		
363	1F-2771	BALL BEARING	1		
364	1S-3743	BALL BEARING	1		
365	9F-1399	O-RING	1		

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