

CATERPILLAR D6H XL

8KK / SEBP2370

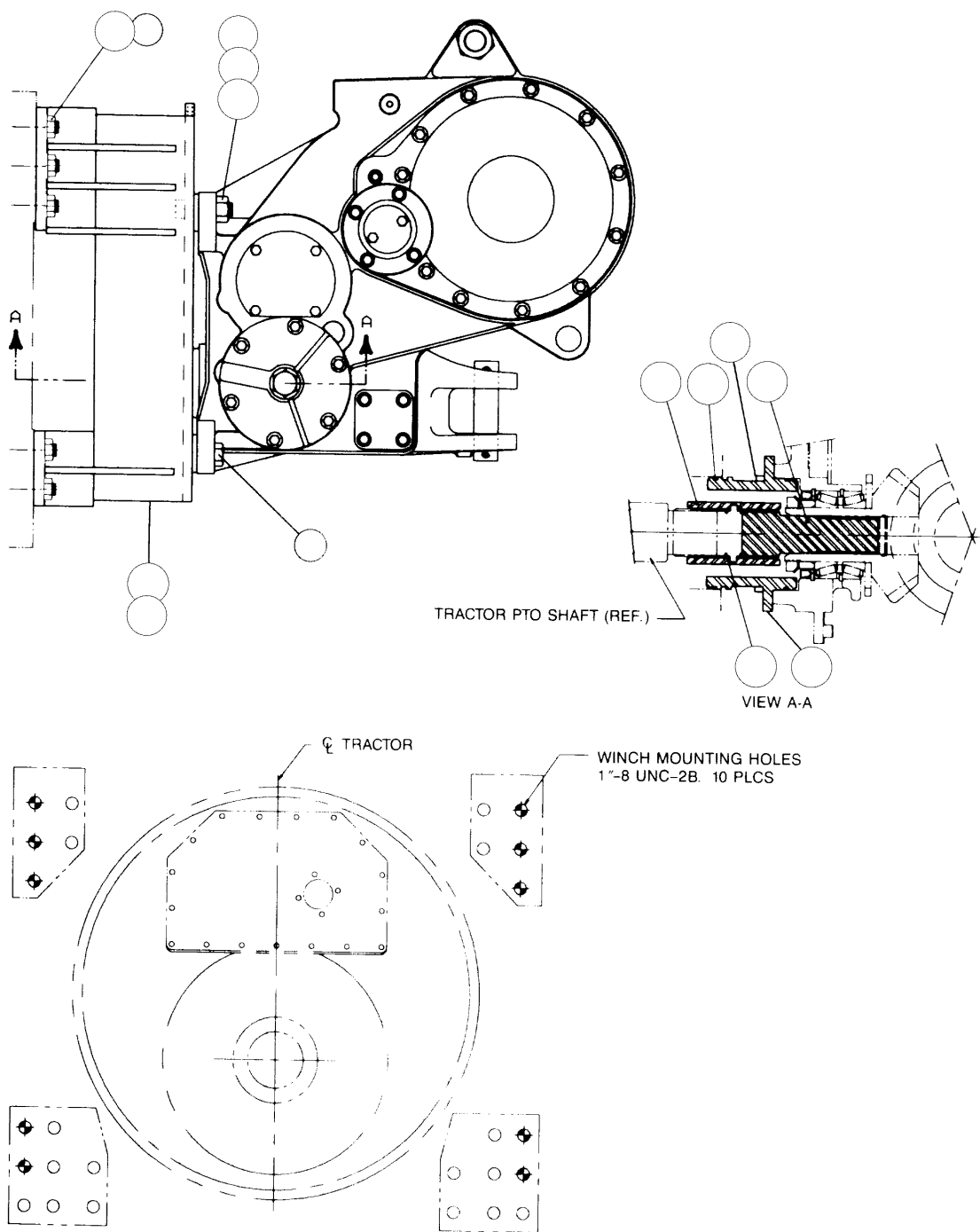
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MOUNTING GP

Mounting Gp

Drawing 1 of 2



MOUNTING GP (continued)

Drawing 2 of 2

INSTRUCTIONS

1. PTO rotation is counterclockwise (CCW) as viewed from rear of tractor.
2. Remove and discard tractor PTO cover.
3. Remove paint, rust, dirt and grease from mounting surfaces of tractor, winch and winch adapters.
4. Coat splines of PTO shaft, Item 4, with multi-purpose grease and install into bevel pinion gear of winch.
5. Install retaining rings, Item 3, in coupling, Item 5. Place coupling over PTO shaft with beveled end away from winch.
6. Install o-rings, Item 2, onto PTO pilot Item 11. Note: As the same PTO pilot may be used on several adaptations, usually only one o-ring groove will engage and seal in the tractor PTO opening.
7. Remove winch top cover to gain access to the bevel gears.
8. Apply Loctite 271 to threads and install studs, Item 8, into winch adapter to a height of 2½ in. (64 mm).
9. Apply Loctite 271 to threads and install studs, item 1, into the rear face of the tractor to a height of 1.80 in. (46 mm).
10. Apply Loctite 242 to the threads of the capscrews, item 6 and studs, item, 8, then install the winch adapter brackets onto the winch. At this time, only tighten the capscrews, item 6, and nuts, item 7, to approximately 50 lb.·ft. (68 N·m) torque.
11. Apply Loctite 242 to the threads of studs, item 1. Apply multi-purpose grease to the PTO pilot o-rings and PTO shaft splines, then install the winch onto the tractor while moving the bevel gears to align the PTO shaft splines. Tighten nuts, item 14 and capscrews, item 6, to 640 lb.·ft. (868 N·m) torque.

⚠ WARNING

Winch and adapters weigh approximately 2,500 lb (1,135 kg). Make certain that lifting equipment has adequate capacity. Failure to use adequate lifting equipment may result in property damage, personal injury or death.

⚠ CAUTION

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.

ITEM	PART NO.	DESCRIPTION	QTY.
1	119-0171	STUD (1 - 8 × 3¼ Gd8)	10
2	8S-5654	O-RING	2
3	002-3455	RETAINING RING	2
4	118-6595	PTO SHAFT	1
5	118-5863	COUPLING	1
6	7X-0405	CAPSCREW, HEX HEAD (1 - 8 × 2¾ Gd8)	4
7	7X-0450	NUT, HEX (1½ - 7)	4
8	133-9224	STUD (1½ - 7 × 4¾)	4
9	118-6929	ADAPTER, RH	1
10	118-6930	ADAPTER, LH	1
11	118-6537	PILOT, PTO	1
12	5P-2228	CAPSCREW, HEX HEAD (½ - 13 × 1)	4
13	119-1551	WASHER, HARDENED, 1½	4
14	6V-8190	NUT, HEX (1 - 8)	10

Ref.	Part number	Description	Qty	Code	Group page
1	119-0171	STUD (1 - 8 x 3 1/4 Gd8)	10		
2	8S-5654	O-RING	2		
3	002-3455	RETAINING RING	2		
4	118-6595	PTO SHAFT	1		
5	118-5863	COUPLING	1		
6	7X-0405	CAPSCREW, HEX HEAD (1 - 8 x 2 3/4 Gd8)	4		

MOUNTING GP (continued)

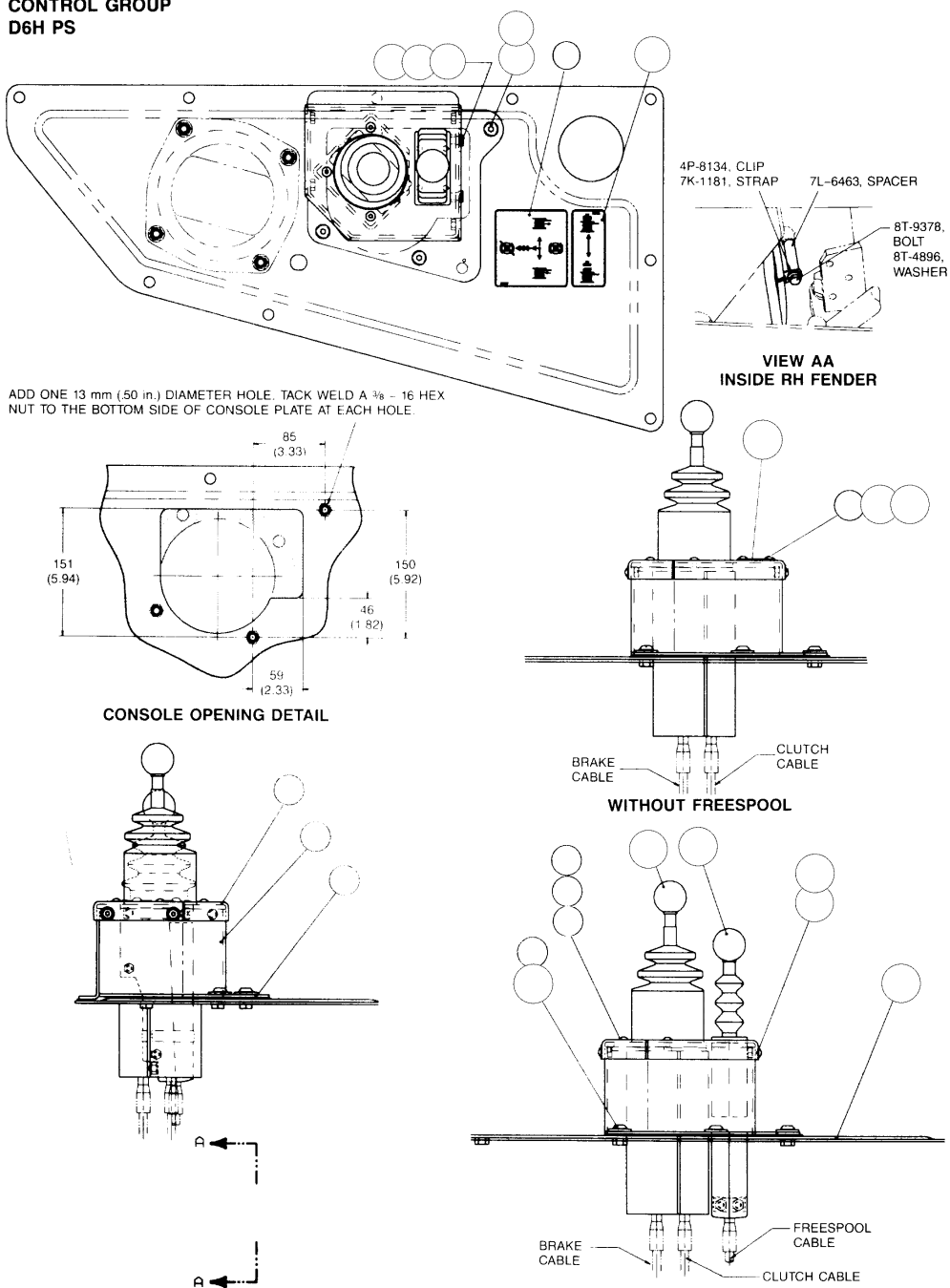
Ref.	Part number	Description	Qty	Code	Group page
7	7X-0450	NUT, HEX (1 1/8 - 7)	4		
8	133-9224	STUD (1 1/8 - 7 X 4 3/4)	4		
9	118-6929	ADAPTER, RH	1		
10	118-6930	ADAPTER, LH	1		
11	118-6537	PILOT, PTO	1		
12	5P-2228	CAPSCREW, HEX HEAD (1/2 - 13 X 1)	4		
13	119-1551	WASHER, HARDENED, 1 1/8	4		
14	6V-8190	NUT, HEX (1 - 8)	10		

CONTROL GP

Control Gp

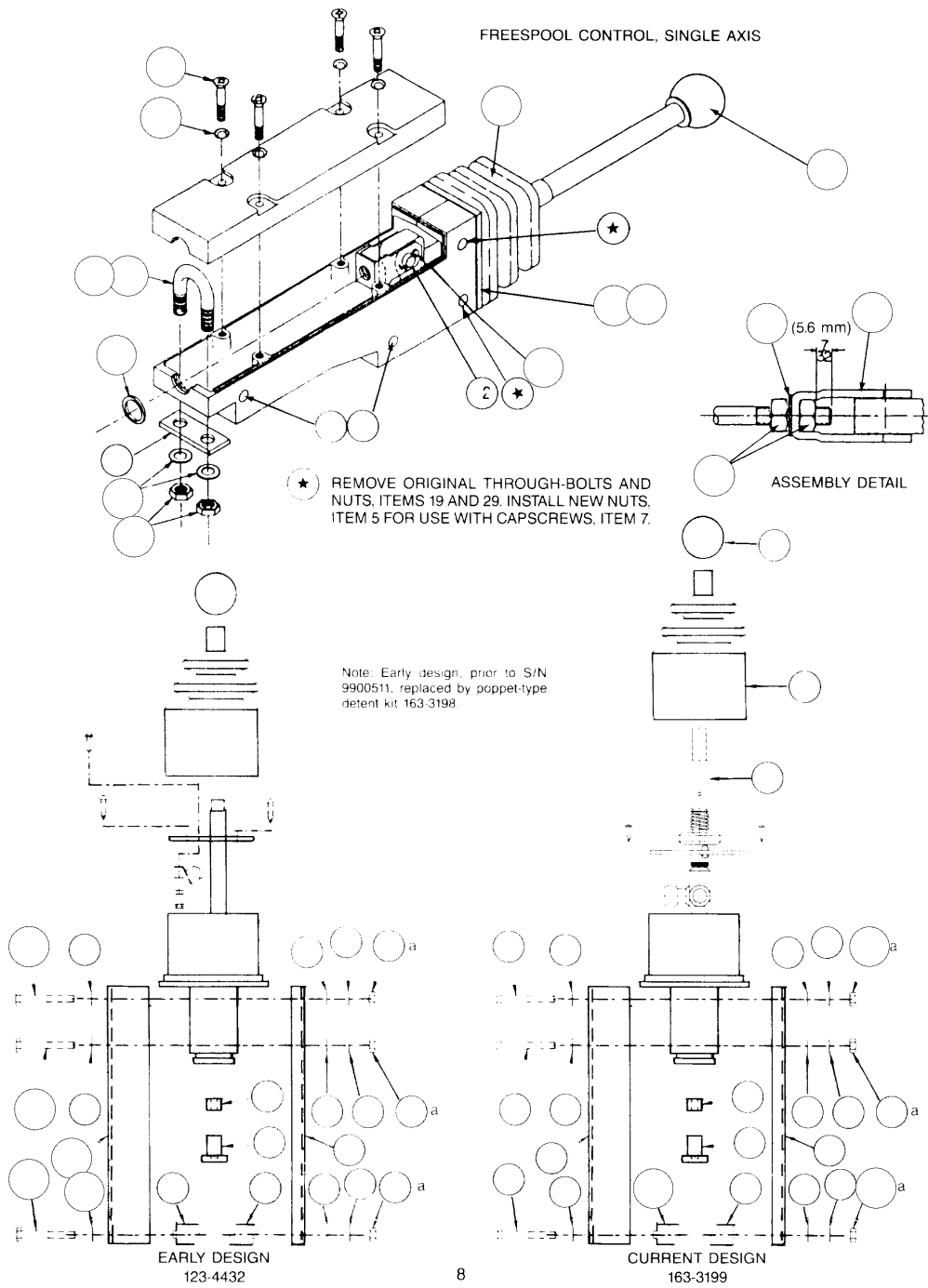
Drawing 1 of 2

**MODEL PA56
CONTROL GROUP
D6H PS**



CONTROL GP (continued)

Drawing 2 of 2



Ref.	Part number	Description	Qty	Code	Group page
1	123-4432	CONTROL, DUAL AXIS - EARLY DESIGN w/o Freespool	Qty is 1	N	
	163-3199	CONTROL, DUAL AXIS - NEW DESIGN w/o Freespool	Qty is 1		
2	123-4433	CONTROL, FREESPOOL, SINGLE AXIS w/o Freespool	Qty is 0		
3	128-1994	CONTROL BRACKET BASE w/o Freespool	Qty is 1		
4	123-4435	CAPSCREW, BUTTON SOCKET HEAD w/o Freespool	Qty is 11		
5	6V-8185	NUT (1/4-20) w/o Freespool	Qty is 5		

CONTROL GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
6	3B-4504	LOCKWASHER (1/4) w/o Freespool Qty is 7	5		
7	8T-9368	CAPSCREW, HEX HEAD (1/4-20 X 2 1/4) w/o Freespool Qty is 0	2		
8	123-4439	DECAL, POWERSHIFT CONTROL w/o Freespool Qty is 1	1		
9	123-4440	DECAL, FREESPOOL CONTROL w/o Freespool Qty is 0	1		
10	128-1995	GASKET w/o Freespool Qty is 1	1		
11	128-1996	CONTROL BRACKET COVER w/o Freespool Qty is 1	1		
12	8T-4205	WASHER (1/4) w/o Freespool Qty is 4	4		
13	126-2826	COVER w/o Freespool Qty is 1			
14	128-1997	CONSOLE PLATE w/o Freespool Qty is 1	1		
15	123-4424	CONTROL CABLE - 90 IN. (2286 MM) w/o Freespool Qty is 2	3		
16	126-5992	MACHINE SCREW, CSK, OVAL HEAD (8-32 X 1 1/4) w/o Freespool Qty is 0	4		
17	9F-5602	LOCKWASHER, CSK (8) w/o Freespool Qty is 0	4		
18	8F-9206	O-RING w/o Freespool Qty is 0	1		
19	9S-8748	NUT (1/4-28) w/o Freespool Qty is 0	6		
20	7H-3937	LOCKWASHER, EXTERNAL TOOTH (5/16) w/o Freespool Qty is 0	2		
21	126-2799	CLEVIS w/o Freespool Qty is 0	1		
22	126-2800	CLEVIS PIN w/o Freespool Qty is 0	1		
23	3B-4604	COTTER PIN (1/16 X 1/2 w/o Freespool Qty is 0	1		
24	126-2798	U-BOLT w/o Freespool Qty is 0	1		
25	126-2801	U-BOLT SPACER w/o Freespool Qty is 0	1		
26	6V-8186	NUT (5/16-24) w/o Freespool Qty is 0	2		
27	126-5990	MACHINE SCREW, CSK, OVAL HEAD (8-32 X 1/2) w/o Freespool Qty is 0	4		
28	126-2825	BOOT, FREESPOOL LEVER w/o Freespool Qty is 0	1		
29	126-5991	MACHINE SCREW, FLSTR HEAD (1/4-28 X 1 7/16) w/o Freespool Qty is 0	4		
30	126-2802	BOOT RETAINER PLATE w/o Freespool Qty is 0	1		
31	1H-3338	LOCKWASHER, EXTERNAL TOOTH (1/4) w/o Freespool Qty is 6	7		
32	7R-5874	KNOB w/o Freespool Qty is 1	2		
33	6V-8185	NUT (1/4-20) w/o Freespool Qty is 6	6		
34	8T-9367	CAPSCREW, HEX HEAD (1/4-20 X 2) w/o Freespool Qty is 6	6		
35	126-2821	SLIDING LOCKSCREW w/o Freespool Qty is 2	2		
36	126-2822	CABLE BUSHING w/o Freespool Qty is 2	2		
37	126-2823	CABLE SUPPORT HOUSING, OUTER w/o Freespool Qty is 1	1		
38	126-2824	CABLE SUPPORT HOUSING, INNER w/o Freespool Qty is 1	1		
39	126-2818	CABLE ANCHOR, OUTER w/o Freespool Qty is 1	1		

CONTROL GP (continued)

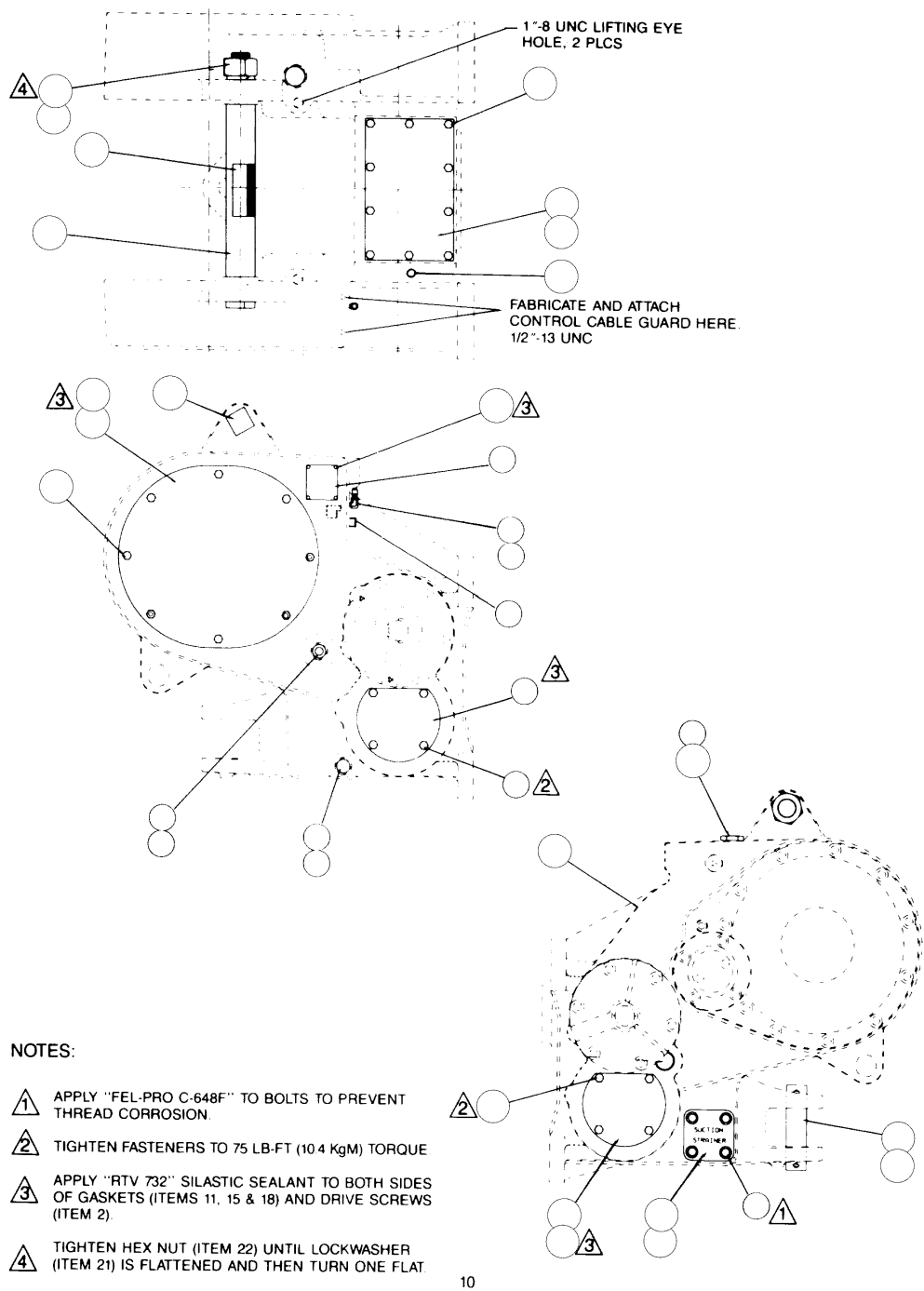
Ref.	Part number	Description	Qty	Code	Group page
40	126-2820	CABLE ANCHOR, INNER w/o Freespool Qty is 1	1		
41	8T-4205	WASHER, FLAT-THIN(1/4) w/o Freespool Qty is 12	12		
42	126-2803	CABLE CLAMP w/o Freespool Qty is 1	1		
43	163-3201	BOOT w/o Freespool Qty is 1	1		
44	163-3198	BRAKE-OFF DETENT KIT w/o Freespool Qty is 0	1	N	

CAT codes: N.

WINCH CASE & COVERS

WINCH CASE & COVERS

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5P-2228	CAPSCREW, HEX HEAD (1/2 - 13 NC X 1)	12		
2	7H-4543	DRIVE SCREW	4		
3	5P-9436	PLUG, DRAIN (MAY BE SUBSTITUTED FOR ITEM 7)	1		
4	5P-1403	PLUG, OIL FILL (INCLUDES ITEM 27)	1		
5	6L-9965	O-RING	1		

WINCH CASE & COVERS (continued)

Ref.	Part number	Description	Qty	Code	Group page
6	5F-5434	VENT PLUG	1		
7	118-5783	SIGHT GAUGE (INCLUDES ITEM 28)	1		
8	118-6972	WINCH CASE - LOW PTO	1		
9	123-4417	SERIAL NUMBER DATA PLATE	1		
10	118-6598	COVER, TOP ACCESS	1		
11	118-6316	GASKET	1		
12	120-7541	STRAINER COVER	1		
13	123-4401	CAUTION LABEL	1		
14	118-6588	COVER, SIDE ACCESS	1		
15	120-7543	GASKET	1		
16	118-6298	TIE BOLT	1		
17	118-6597	COVER, LOWER ACCESS	2		
18	118-6317	GASKET	2		
19	118-8382	DRAW BAR PIN	1		
20	118-6314	SPACER TUBE	1		
21	119-1623	LOCKWASHER (1 3/4)	1		
22	2B-2623	NUT, HEX HEAD (1 3/4 NC)	1		
23	3B-8822	ELBOW (ONE, INSIDE WINCH CASE)	2		
24	6K-7917	CAPSCREW, HEX HEAD (1/2 - 13 NC X 1 SS)	15		
25	3B-5320	COTTER PIN (3/8 X 3 IN.)	2		
26	5M-6214	PLUG (1/8 NPT SQHD)	1		
27	6V-5065	O-RING - FOR OIL FILL PLUG	1		
28	3D-2824	O-RING - FOR OIL DRAIN & LEVEL PLUG (ITEMS 3 & 7)	2		
29	2B-7547	PLUG (3/8 NPT SQHD)	1		

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