



CONTROLS

RENEWAL PARTS ORDERING GUIDE

TYPE "F"
GROUND AND TEST DEVICE

Used With

15-Kv Metal-Clad Switchgear

HOW TO USE YOUR RENEWAL PARTS ORDERING GUIDE

1. Locate the part or parts to be replaced in one of the drawings in this manual.
2. Identify each part by item number, description and part number. Give drawing figure number in which part is shown.
3. Include device type, rating and device serial number with your order.
4. Place order with your Allis-Chalmers representative.

ORDERING EXAMPLE

Type	<u>15KV</u>	Rated Amps	<u>3000</u>	Serial Number	<u>H66240-1</u>
Type of Operator:	☒	Solenoid	☐	Stored Energy	
Renewal Parts Ordering Guide	<u>18X4473</u>				
<u>Fig</u>	<u>Item</u>	<u>Description</u>	<u>Part Number</u>	<u>Quantity</u>	
3	7	Indicator Arm	71-113-474-501	1	
4	21	Washer	71-114-271-001	1	
4	40	Lever	72-120-568-501	2	

If required part is not identified in this manual -----

1. Make a copy of the drawing figure in which the part would appear.
2. Indicate with arrows or other markings location of part.
3. Describe or sketch required part.
4. Include device type, rating and device serial number with your order.
5. Place order with your Allis-Chalmers representative.

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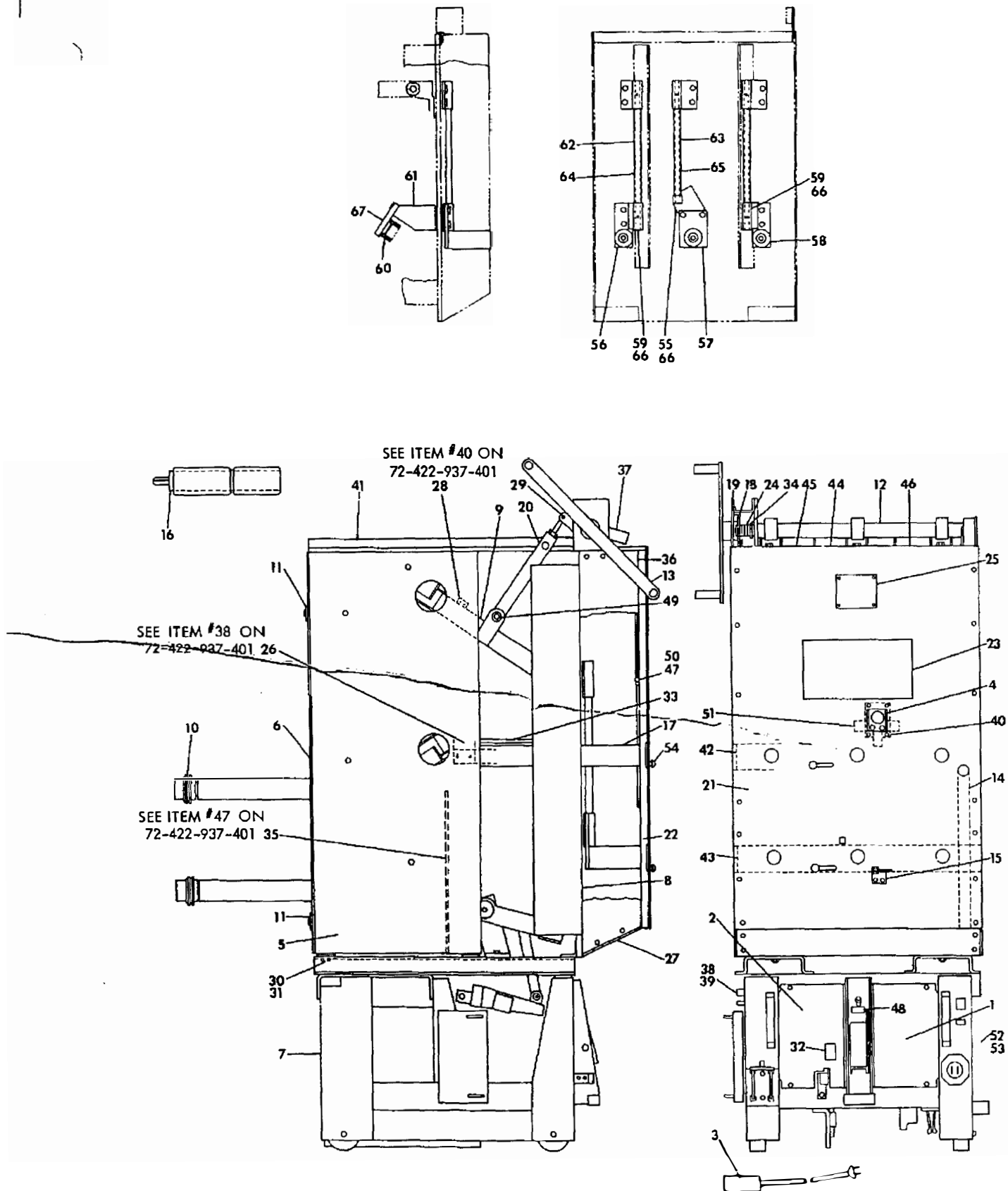


Figure 1. 15-KV Ground and Test Device (72-422-937)
(Sheet 1 of 2)

ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1	Cover	72-220-077-001*	34	Washer	71-112-538-001
		72-220-077-002**	35	Barrier	72-120-506-001
2	Cover	72-120-489-001	36	Bracket	72-120-583-501
3	Remote Control	71-201-474-501	37	Arm	72-120-525-001
4	Interlock	71-208-615-501	38	Shim	71-113-679-001
5	Stud & Support	72-320-054-501	39	Angle	71-113-680-001
6	Plate	72-320-061-001	40	Block	72-120-507-001
7	Frame & Operator	72-420-031-501*	41	Barrier	71-116-621-002
		72-420-030-501**	42	Slide	72-220-104-001
8	Plate	72-320-056-501	43	Slide	72-220-105-001
9	Arm	72-220-097-501	44	Top Plate	72-120-508-001
10	Contact Finger	71-201-738-502	45	Top Plate	72-120-509-001
11	Support	71-205-659-509	46	Top Plate	72-120-510-001
12	Shaft	71-207-854-504	47	Strap	71-118-144-001
13	Handle	71-208-325-503	48	Indicator	71-167-932-001
14	Slide	72-120-560-502	49	Pin	71-176-832-011
15	Locking Device	71-110-503-501	50	Block	71-118-145-001
16	Probe	71-110-676-505	51	Clip	72-120-533-001
17	Stud & Tube	72-120-523-501	52	Outlet Box	00-853-713-004
18	Plate	71-112-537-501	53	Receptacle	15-171-111-003
19	Bracket & Stop	71-113-201-502	54	Knob	00-675-365-050
20	Operating Arm	71-114-260-503	55	Bracket	72-120-518-501
21	Plate	72-320-062-501	56	Stud-L.H.	71-208-610-502
22	Plate	72-320-060-001	57	Stud Center	71-208-611-503
23	Instruction Plate	72-220-084-001	58	Stud-R.H.	71-208-613-502
24	Compression Spring	71-204-606-018	59	Bracket	71-113-096-501
25	Nameplate	71-207-058-025	60	Contact Finger	71-240-055-502
26	Stop	72-120-102-001	61	Plate	72-120-617-001
27	Cover	72-120-106-001	62	Rod	72-120-097-001
28	Stop	72-120-107-001	63	Rod	72-120-097-002
29	Pin	71-018-611-001	64	Tubing	72-120-098-001
30	Shim	71-110-641-003	65	Tubing	72-120-098-002
31	Shim	71-110-641-004	66	Airseal	00-333-388-002
32	Indicator	71-111-259-001	67	Support	72-120-618-001
33	Barrier	72-120-505-001			

* Solenoid Operated
** Stored Energy

Figure 1. 15-KV Ground and Test Device (72-422-937)
(Sheet 2 of 2)

ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1	Plate	71-207-937-505*	4	Rod	71-110-282-001
		71-207-937-504**	5	Barrier	72-120-506-003*
2	Stud	72-220-095-502*			72-120-506-002**
		72-220-095-501**	6	Spacer	72-120-613-001
3	Stud	72-220-096-502*	7	Spacer	72-120-613-002
		72-220-096-501**			

* 2000/3000 Amp
 ** 1200 Amp

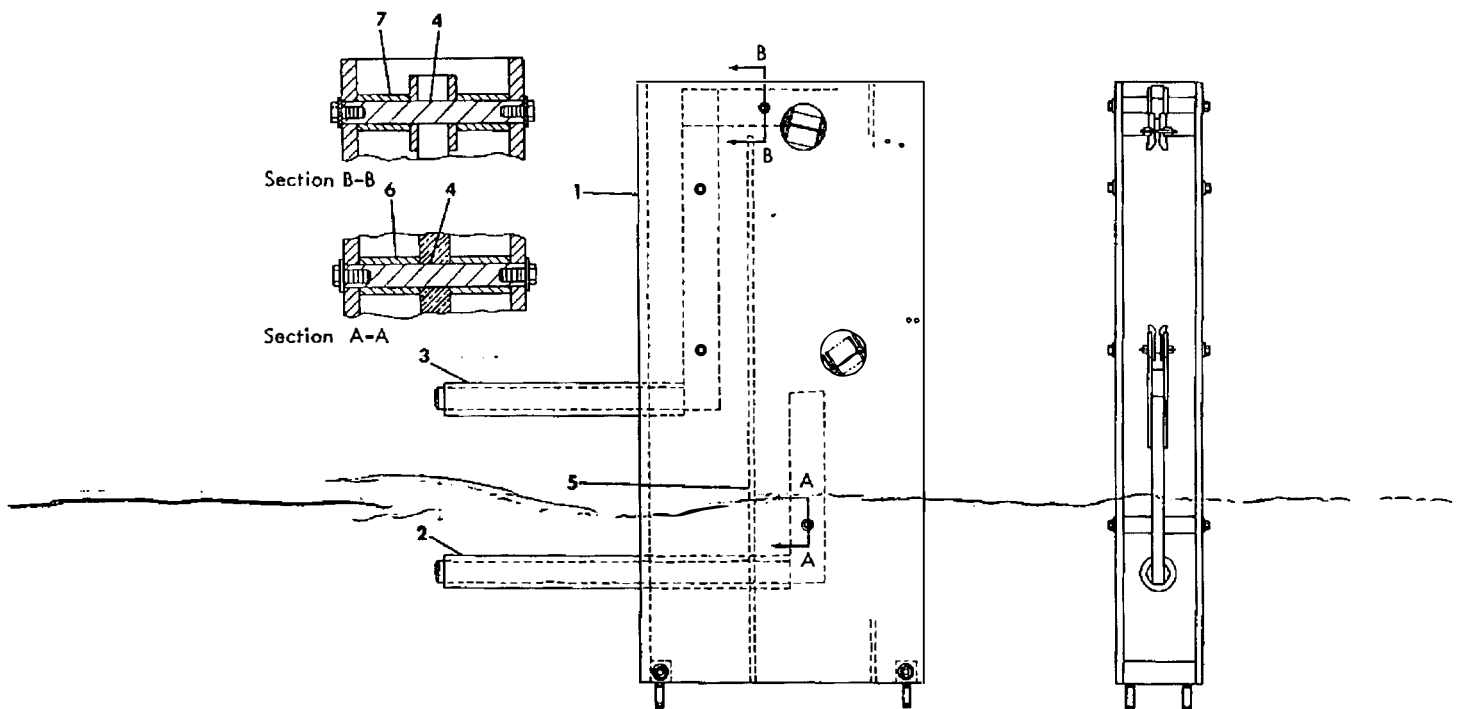


Figure 2. Stud and Support Assembly (72-320-054)

ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1	Operator	72-320-029-506	34	Valve Disc	71-115-244-001
2	Frame	72-320-043-501	35	Bracket	71-116-597-001
3	Foot Lever	72-220-080-502	36	Spacer	71-116-627-002
4	Handle	72-120-490-501	37	Spacer	71-116-628-003
5	Bolt	71-103-983-502	38	Connector	71-118-226-001
6	Guide	71-113-437-501	39	Bus	71-118-227-001
7	Indicator Arm	71-113-474-501	40	Compression Spring	71-140-125-001
8	Piston	71-114-161-505	41	Rod	71-140-147-032
9	Guide	71-115-432-501	42	Spring	71-154-294-001
10	Contact Holder	71-116-143-502	43	Pin	71-915-161-029
11	Bracket	71-116-626-501	44	Band	71-915-843-004
12	Contact R. H.	71-207-173-001	45	Ball Joint	00-833-573-003
13	Contact L. H.	71-207-173-002	46	Yoke End	00-691-701-901
14	Angle	71-208-371-001	47	Yoke End Adj.	00-691-701-903
15	Handle	72-120-391-001	48	Cap Ratchet Plate	00-633-182-060
16	Bracket	72-120-492-001	49	Wheel	15-171-067-002
17	Guide	72-120-736-501	50	Knife Switch	00-871-437-003
18	Shim	72-120-494-001	51	Limit Switch	00-871-351-107
19	Guide	72-120-495-001	52	Blade	71-118-120-001
20	Stud	71-108-105-003	53	Arm	72-120-619-001
21	Plunger	71-113-442-001	54	Link	71-116-629-002
22	Stop	71-113-478-001	55	Tube	71-170-947-005
23	Yoke End	71-113-487-001	56	Pin	71-104-754-034
24	Spring	71-113-502-001	57	Pin	71-104-754-035
25	Angle	71-113-530-001	58	Pin	71-101-754-040
26	Spring	71-113-621-001	59	Rod End	71-113-541-001
27	Rod End	71-113-633-001	60	Spacer	71-116-628-004
28	Spring	71-113-669-001	61	Washer	71-162-273-001
29	Cup	71-114-151-001	62	Spacer	71-100-107-001
30	Compression Spring	71-114-153-001	63	Pin	71-104-754-026
31	Bumper	71-114-154-001	64	Spring Washer	71-167-537-001
32	Cylinder	71-114-155-003	65	Washer	71-177-196-003
33	Packing	71-114-156-001	66	Shim	71-115-544-001

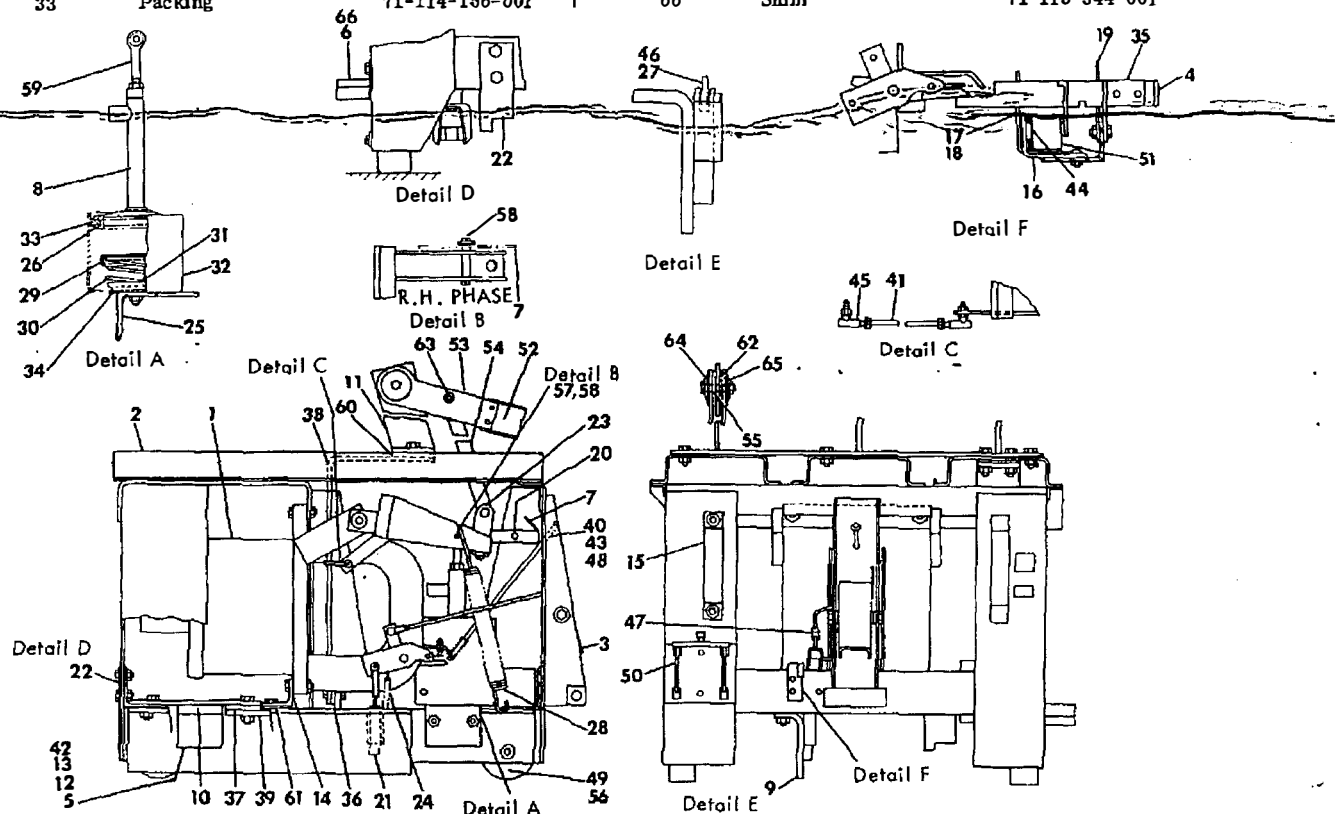


Figure 3. Solenoid Operator and Frame Assembly (72-420-031-501)

ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1	Tube	71-114-775-502	28	Stud-Stop	18-657-354-100
2	Rod	72-120-329-001	29	Pin	71-100-929-005
3	Washer	71-024-132-039	30	Pin	71-915-161-025
4	Washer	71-140-422-035	31	Spring	15-837-321-002
5	Washer	71-140-443-001	32	Rod	71-107-949-005
6	Latch Assembly	71-100-264-501	33	Spring	71-140-076-001
7	Arm Assembly	71-101-269-503	34	Micro Switch	00-871-351-107
8	Plate Assembly	71-116-083-501	35	Plunger Assembly	71-208-445-501
9	Cap	71-100-213-001	36	Frame	71-302-659-501
10	Set screw	71-100-356-001	37	Arm Assembly	71-302-661-502
11	Pin	71-100-377-001	38	Armature	71-113-467-001
12	Pin	71-100-382-001	39	Pin	71-164-062-011
13	Pin	71-100-391-001	40	Lever	72-120-394-502
14	Shim	71-109-649-001	41	Link Assembly	71-101-258-502
15	Shim	71-109-649-002	42	Pin	71-100-382-002
16	Stop	71-109-654-001	43	Link	71-113-416-001
17	Spring	71-112-627-001	44	Washer	71-102-710-001
18	Latch	71-113-355-001	45	Shield	71-108-526-001
19	Link	71-113-413-001	46	Lever	72-120-189-002
20	Spring	71-113-503-001	47	Spacer	72-120-198-001
21	Washer	71-100-278-001	48	Washer	71-922-850-001
22	Tubing	71-115-973-001	49	Washer	71-162-014-018
23	Compression Spring	71-204-606-020	50	Bracket	72-120-193-001
24	Roller Bearing	15-813-073-001	51	Washer	71-115-149-001
25	Needle Bearing	00-813-119-814	52	Washer	71-158-647-013
26	Nyliner	00-815-279-010	53	Washer	71-170-538-001
27	Pin	72-120-194-002	54	Washer	71-173-732-004

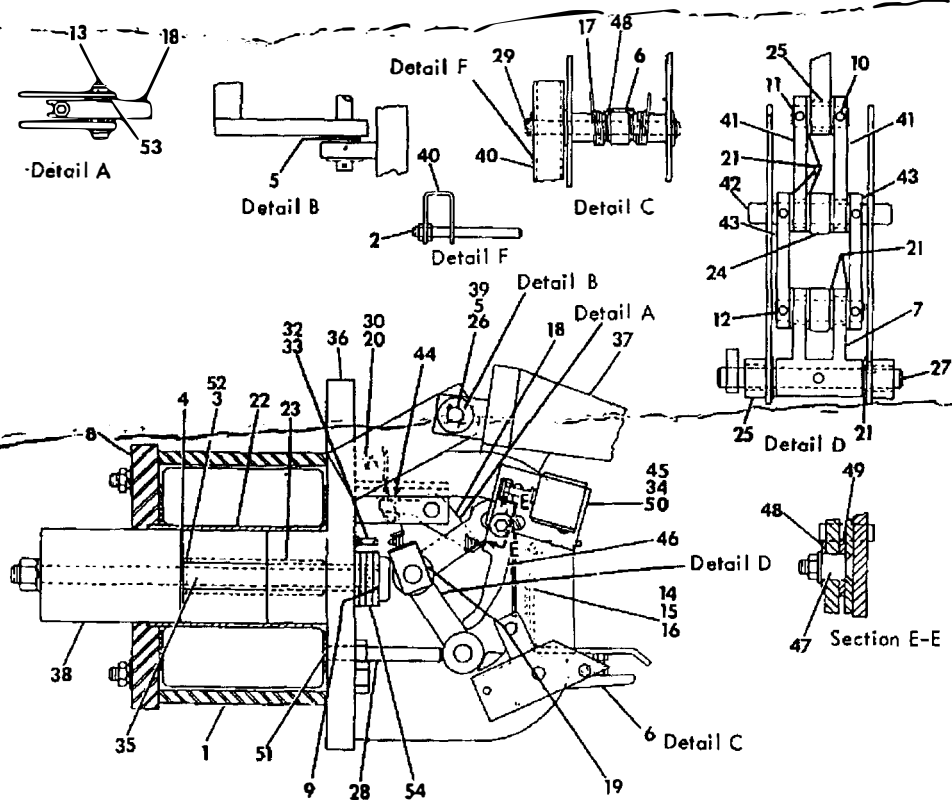


Figure 4. Solenoid Operator Assembly (72-320-029-506)

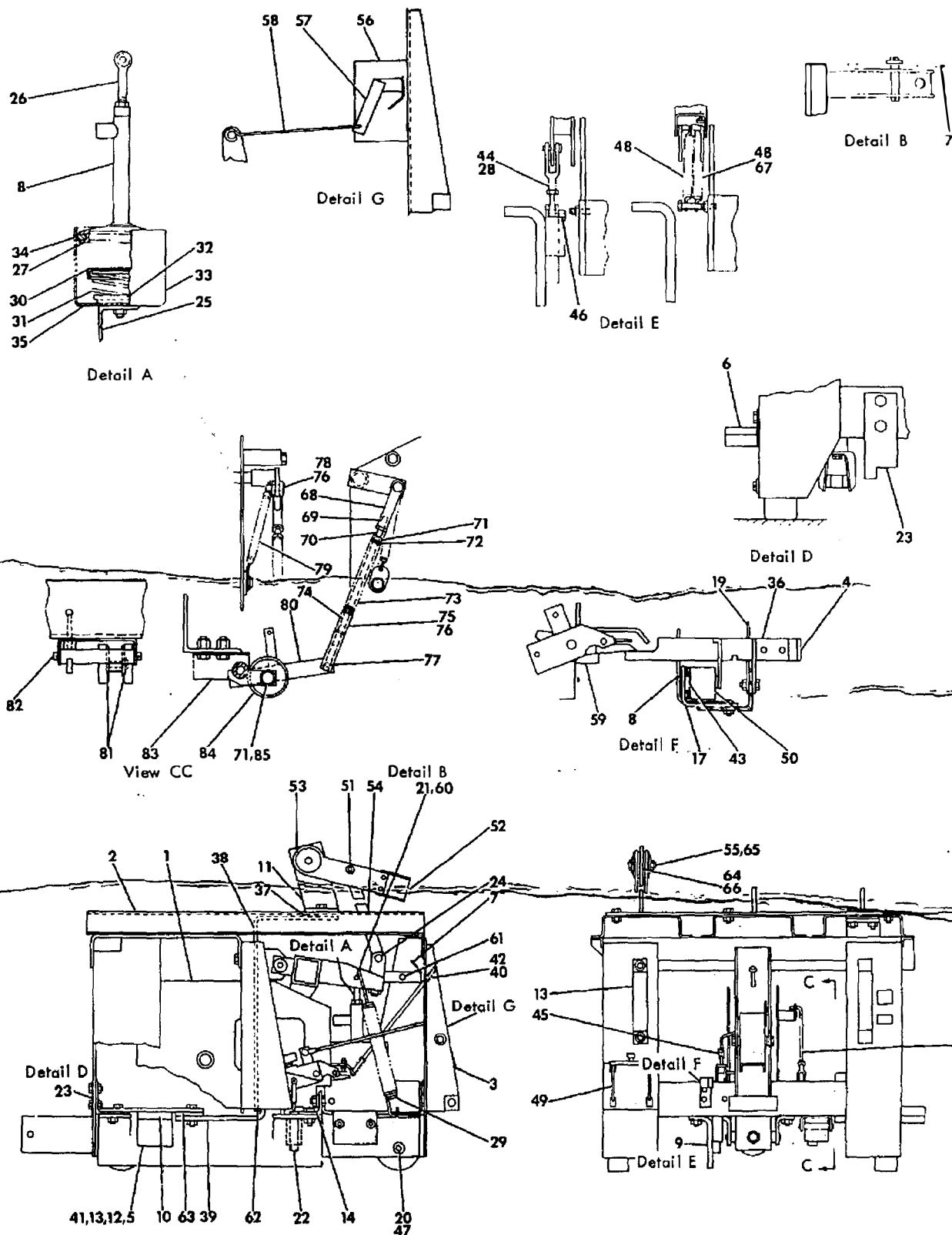


Figure 5. Stored Energy Operation and Frame Assembly (72-420-030-501) (Sheet 1 of 2)

ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1	Operator	72-420-081-504	44	Yoke End	00-691-701-901
2	Frame	72-320-043-501	45	Yoke End	00-691-701-903
3	Foot Lever	72-220-080-502	46	Roll Pin	00-671-176-377
4	Handle	72-120-490-501	47	Wheel	15-171-067-002
5	Bolt	71-103-983-502	48	Spring	00-837-455-012
6	Guide	71-113-437-501	49	Knife Switch	00-871-437-003
7	Indicator Arm	71-113-474-501	50	Limit Switch	00-871-351-107
8	Piston	71-114-161-505	51	Pin	71-104-754-026
9	Guide	71-114-177-501	52	Blade	71-118-120-001
10	Contact Holder	71-116-143-502	53	Arm	72-120-619-001
11	Bracket	71-116-626-501	54	Link	71-116-629-002
12	Contact R. H.	71-207-173-001	55	Tube	71-170-947-005
13	Contact L. H.	71-207-173-002	56	Plate	71-113-349-001
14	Angle	71-208-698-001	57	Indicator	71-208-691-501
15	Rod (Hook)	71-120-354-002	58	Rod	71-113-457-002
16	Handle	72-120-391-001	59	Shim	72-120-494-001
17	Bracket	72-120-492-001	60	Pin	71-104-754-040
18	Guide	72-120-736-501	61	Shoulder Stud	71-108-105-003
19	Guide	72-120-495-001	62	Spacer	71-116-627-002
20	Pin	71-104-754-034	63	Spacer	71-116-628-003
21	Pin	71-104-754-035	64	Spacer	71-100-107-001
22	Plunger	71-113-442-001	65	Spring Washer	71-167-537-001
23	Stop	71-113-478-001	66	Washer	71-177-196-003
24	Yoke End	71-113-487-001	67	Round	71-104-107-016
25	Angle	71-113-530-001	68	Yoke End Adj.	00-691-701-902
26	Rod End	71-113-541-001	69	Hex Jam Nut	00-631-143-205
27	Spring	71-113-621-001	70	Rod	72-120-703-001
28	Rod End	71-113-633-001	71	Locknut	15-171-063-005
29	Spring	71-113-669-001	72	Washer	71-101-488-001
30	Cup	71-114-151-001	73	Compression Spring	15-837-321-003
31	Compression Spring	71-114-153-001	74	Roll Pin	00-671-176-187
32	Bumper	71-114-154-001	75	Clevis	72-120-704-001
33	Cylinder	71-114-155-003	76	Cotter Pin	00-671-195-117
34	Packing	71-114-156-001	77	Pin	72-120-723-003
35	Valve Disc	71-115-244-001	78	Clevis Pin	00-957-211-902
36	Bracket	71-116-597-001	79	Spring Extension	15-837-455-002
37	Spacer	71-116-628-004	80	Crank Assembly	72-120-699-501
38	Connector	71-118-226-001	81	Washer	71-152-809-002
39	Bus	71-118-227-001	82	Pin	72-120-199-006
40	Compression Spring	71-140-125-001	83	Bracket	72-120-708-001
41	Spring	71-154-224-001	84	Roller	72-120-706-001
42	Pin	71-915-161-029	85	Aircraft Bolt	00-611-343-016
43	Band	71-915-843-004			

Figure 5. Stored Energy Operation and Frame Assembly (72-420-030-501) (Sheet 2 of 2)

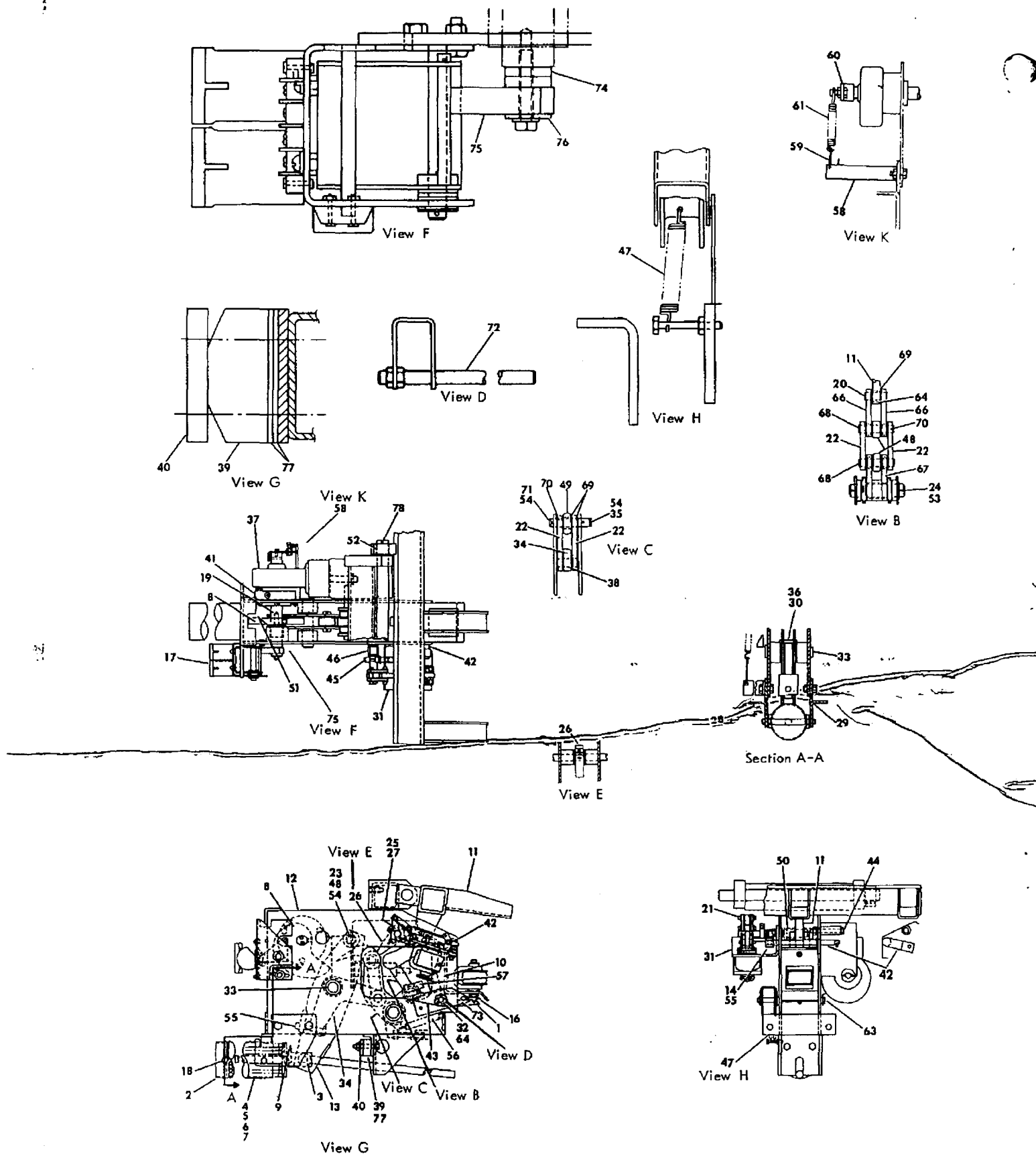


Figure 6. Stored Energy Operator Assembly (72-420-081-504) (Sheet 1 of 2)

ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
1	Latch Assembly	71-100-264-501	40	Link	72-120-114-001
2	Tube Assembly	71-114-922-501	41	Bar	72-120-140-001
3	Pin	71-104-935-019	42	Shaft	18-657-460-110
4	Spring	71-115-558-001	43	Arm	72-120-399-001
5	Spring	71-115-559-001	44	Spacer	72-110-390-009
6	Spring	71-115-560-001	45	Crank	72-120-710-001
7	Spring	71-115-561-001	46	Torsion Spring	71-114-133-001
8	Cam	71-210-343-001	47	Spring	00-837-455-012
9	Rod End Assembly	71-114-035-501	48	Roller Follower	15-813-073-001
10	Stop Assembly	71-116-177-502	49	Roller Follower	15-813-073-002
11	Arm Assembly	71-302-795-502	50	Needle Bearing	00-813-119-814
12	Frame Assembly	71-401-398-503	51	Bearing	00-815-021-101
13	Arm Assembly	18-718-952-502	52	Nyliner Flange	00-815-279-020
14	Rod End	18-657-460-112	53	Cotterpin	00-671-195-321
16	Bumper Plate Assembly	72-120-152-501	54	Roll Pin	00-671-176-257
17	Switch Assembly	18-657-372-511	55	Roll Pin	00-671-176-313
18	Pin	71-018-299-001	56	Spring	00-837-455-012
19	Key	71-018-485-007	57	Switch	15-171-044-004
20	Pin	71-100-377-001	58	Bracket	72-120-086-001
21	Pin	72-120-723-001	59	Link	72-120-087-001
22	Link	71-113-416-001	60	Arm	72-120-088-001
23	Pin	71-114-019-002	61	Spring	71-113-503-001
24	Pin	71-114-044-002	63	Link	72-120-709-001
25	Pin	72-120-434-001	64	Needle Bearings	00-813-119-814
26	Latch Assembly	72-120-486-501	65	Link	72-220-133-001
27	Crank	72-120-724-001	66	Link Assembly	71-101-258-503
28	Bracket	71-114-924-001	67	Link Assembly	71-115-913-502
29	Bracket	71-114-924-002	68	Pin	71-100-382-001
30	Tubing	71-115-330-005	69	Washers	71-100-278-001
31	Latch Assembly	72-220-134-502	70	Setscrew	71-100-356-001
32	Spring	71-116-218-001	71	Roll Pin	00-671-176-257
33	Pin	71-116-484-001	72	Rod	72-120-329-001
34	Arm	71-116-793-001	73	Lever Assembly	72-120-568-502
35	Pin	71-118-093-001	74	Spacer	72-120-061-001
36	Tubing	71-172-303-008	75	Cam	71-118-392-001
37	Gear Assembly	71-210-046-016	76	Spacer	71-114-951-002
38	Pin	72-120-041-001	77	Spacer	71-116-015-003
39	Bumper	72-120-113-001	78	Pin	71-161-921-004

Figure 6. Stored Energy Operator Assembly (72-420-081-504) (Sheet 2 of 2)

