



Parts Catalog

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THE LONG-AIRDOX COMPANY PRODUCT FOR WHOM THIS MANUAL WAS PREPARED WAS DESIGNED AND BUILT TO PROVIDE RELIABLE PERFORMANCE UNDER TYPICAL MACHINE OPERATING CONDITIONS. LONG-AIRDOX COMPANY DESIGNERS AND ENGINEERS HAVE CAREFULLY DEVELOPED OR SPECIFIED EACH PART WITH MATERIAL COMPOSITION AND TOLERANCES APPROPRIATE TO THE PART'S INTENDED USE. THIS PRODUCTS' MSHA CERTIFICATION WAS GRANTED BASED ON THE INCORPORATION OF APPROVED LONG-AIRDOX COMPANY PARTS.

LONG-AIRDOX IS COMMITTED TO PROVIDING THE BEST SERVICE AND SUPPORT TO ITS CUSTOMERS. THAT IS WHY IT HAS:

- DEVELOPED, SELECTED AND MADE AVAILABLE TECHNICALLY CORRECT AND APPROVED REPLACEMENT PARTS FOR ITS PRODUCT LINES.
- ESTABLISHED AN EFFECTIVE NETWORK OF SALES AND SERVICE FACILITIES IN THE U.S. AND ABROAD.
- INSTALLED AND MAINTAINS A COMPUTERIZED PARTS STOCKING SYSTEM TO ENSURE HIGH AVAILABILITY LEVELS FOR REPLACEMENT COMPONENTRY AND SUBASSEMBLIES.
- ADOPTED A UNIQUE CHANGEOUT SYSTEM COVERING MAJOR COMPONENTS TO MINIMIZE CUSTOMER COSTS AND DOWNTIME.

WE RECOMMEND THAT YOU PURCHASE LONG-AIRDOX COMPANY RENEWAL PARTS TO MAINTAIN YOUR EQUIPMENT IN ITS ORIGINALLY APPROVED CONDITION, A MANDATORY MSHA REQUIREMENT. SINCE MSHA REGULATIONS MAKE IT INCUMBENT UPON THE MINE OPERATOR TO MAINTAIN ALL PERMISSIBLE EQUIPMENT AND MACHINERY IN ITS APPROVED CONDITION, IT IS ESSENTIAL THAT PROPER PROCEDURES AND REPLACEMENT PARTS ARE USED DURING REPAIR OR REBUILDING OF APPROVED EQUIPMENT AND MACHINERY.

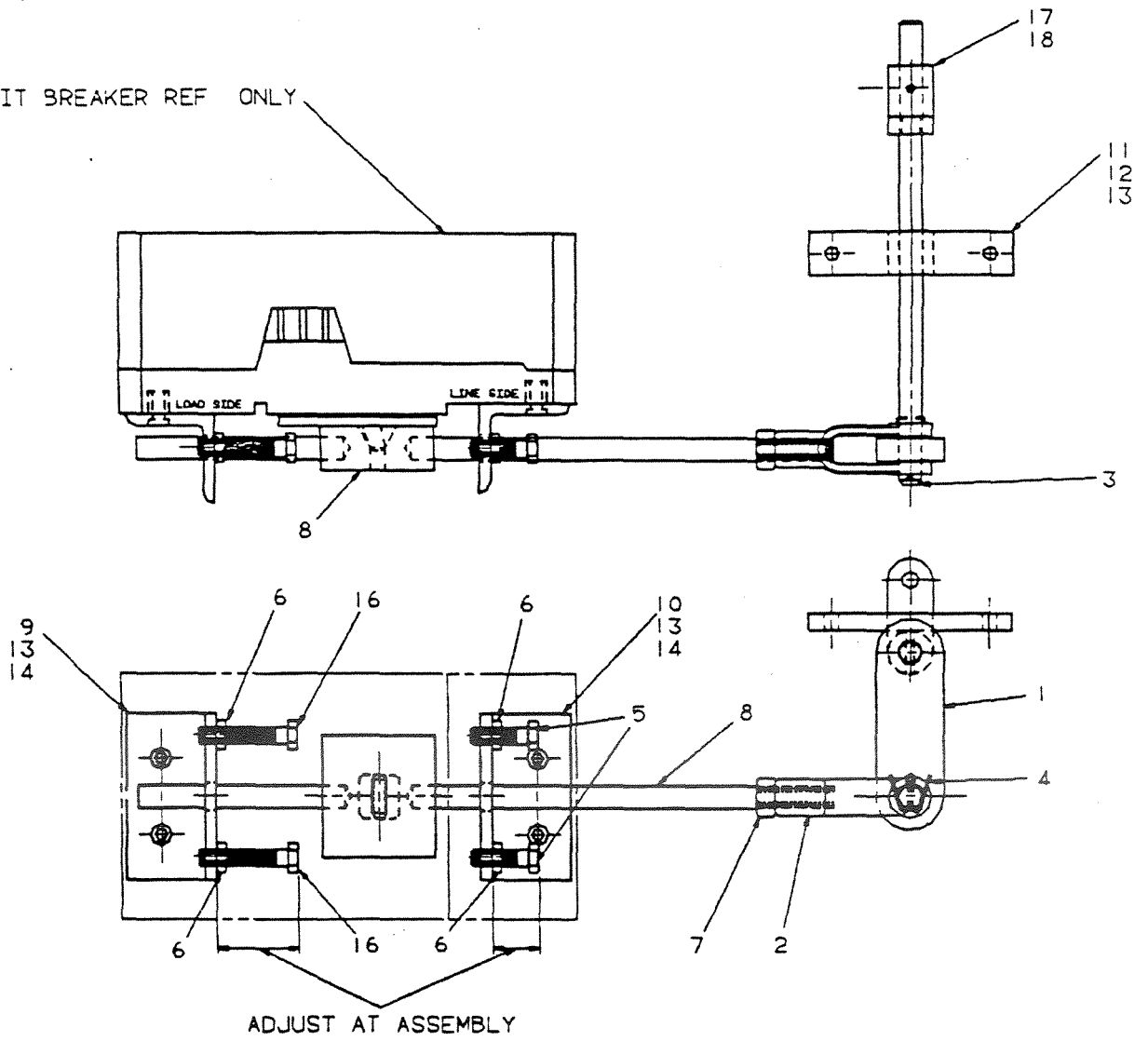


LONG-AIRDOX COMPANY

FOR A COMPLETE PLUG ASSEMBLY, YOU MUST ORDER BOTH HALVES (ITEM 1 AND ITEM 2 OR 3) FROM THE LIST BELOW.

<u>REF.</u>	<u>QTY.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1			PLUG BODY (COMPLETE)
	1-----	A14973-----	PLUG BODY W/ALUMINUM LOCK RING & THRUST WASHER
	1-----	A14974-----	PLUG BODY W/BRASS LOCK RING & THRUST WASHER
2			PACKING GLAND ADAPTOR ASSEMBLY (COMPLETE) WITH CONDUIT SLEEVE (HOSE TUBE)
	1-----	A14977X1-----	ALUMINUM PACKING GLAND ASSEMBLY
	1-----	A14978X1-----	BRASS PACKING GLAND ASSEMBLY FOR CABLE SIZE (O.D.) - 2/0 (.86) - #2 (.66) - #6 (.44)
	1-----	A14977X2-----	ALUMINUM PACKING GLAND ASSEMBLY
	1-----	A14978X2-----	BRASS PACKING GLAND ASSEMBLY FOR CABLE SIZE (O.D.) - #1/0 (1.56-1.575)
	1-----	A14977X3-----	ALUMINUM PACKING GLAND ASSEMBLY
	1-----	A14978X3-----	BRASS PACKING GLAND ASSEMBLY FOR CABLE SIZE (O.D.) - #2/0 ROCBESTOS (1.44) OR 3/0 ROCBESTOS (1.44)
3			PACKING GLAND ADAPTOR ASSEMBLY (COMPLETE) WITHOUT CONDUIT SLEEVE (HOSE TUBE) FOR JUMPER & CHARGER CABLES
	1-----	A14977X4-----	ALUMINUM PACKING GLAND ASSEMBLY
	1-----	A14978X4-----	BRASS PACKING GLAND ASSEMBLY FOR CABLE SIZE (O.D.) - #2 FLAT (1.24 X .73)
	1-----	A14977X5-----	ALUMINUM PACKING GLAND ASSEMBLY
	1-----	A14978X5-----	BRASS PACKING GLAND ASSEMBLY FOR CABLE SIZE (O.D.) - #1/0 (1.52)
<u>INDIVIDUAL COMPONENTS</u>			
4---	1-----	A14974-1-----	PLUG BODY W/ALUMINUM JAM RING
	1	A14974-4	PLUG BODY W/BRASS JAM RING
5	1	A14974-2	THRUST WASHER
6---	1-----	A14973-3-----	ALUMINUM LOCK RING
	1	A14974-3	BRASS LOCK RING
7---	1-----	A14977-1-----	ALUMINUM ADAPTOR HOUSING
	1	A14978-1	BRASS ADAPTOR HOUSING
8-----			RUBBER GROMMET (SEE FORM 2-275 FOR PROPER GROMMET)
9---	1-----	A14977-2-----	ALUMINUM COMPRESSION NUT
	1	A14978-2	BRASS COMPRESSION NUT
10---	1-----	A14977-3-----	ALUMINUM CONDUIT SLEEVE
	1	A14978-3	BRASS CONDUIT SLEEVE
11---	1-----	A14979-2-----	ALUMINUM COMPRESSION WASHER
	1	A14980-2	BRASS COMPRESSION WASHER

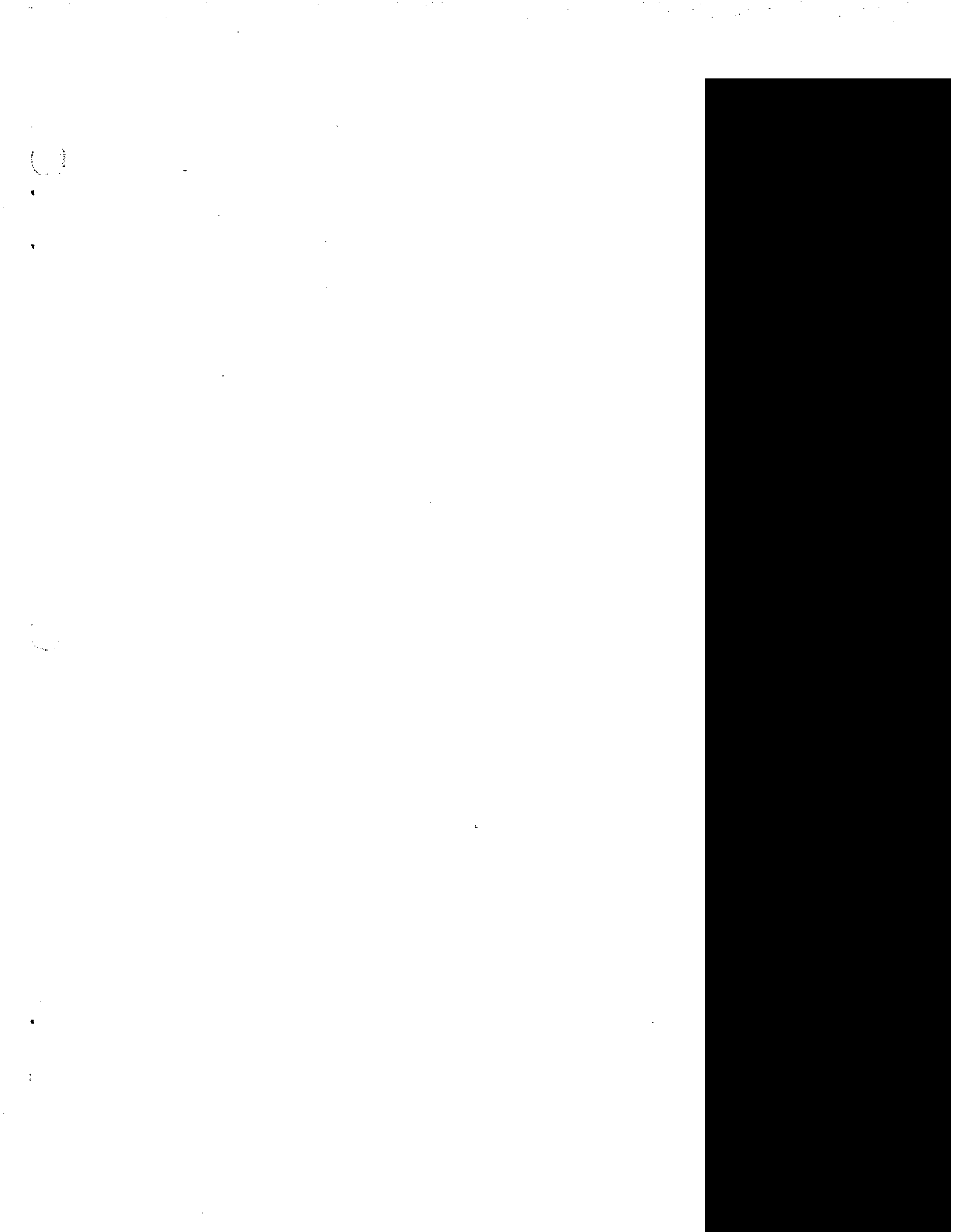
CIRCUIT BREAKER REF ONLY

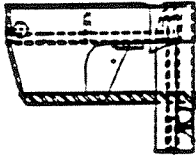


REV.1	SHEET 1 OF 2
011797 BREAKER RESET ASSY	

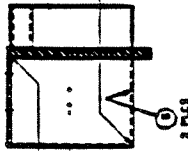
REFERENCE	QUANTITY	PART NUMBER	DESCRIPTION
1	1	9-656000-520	BASEPLATE
2	1	A12000-7	U-CHANNEL SUB ASSEMBLY
3	31	A8023-101	1/4' FLATWASHER
4	31	A8023-004	1/4 LOCKWASHER
5	3	A8023-300	1/4-20 X 1/2' SCREW
6	1	9-656000-514	RESISTOR BANK ASSEMBLY
7	1	A12000-1C	INSULATING SHEET
8	1	A12000-1D	SCR3 HEATSINK ASSEMBLY
9	2	9-656000-501	INSULATING BUSHING
10	2	A8023-304	1/4-20 X 1 1/2 SCREW
11	1	A12000-1E	SCR3
12	6	9-656000-515	MALE CONNECTOR
13	2	A8023-302	1/4-20 X 1 SCREW
14	4	A12000-13	INSULATING SHEET
15	4	A12000-5	HEATSINK ASSEMBLY (SCR1 LFLR RFRR)
16	28	9-656000-502	INSULATING BUSHING
17	28	A8023-307	1/4-20 X 2 1/4 SCREW
18	1	A8023-256	NUT 5/16 UNC
19	7	9-656000-504	MALE CONNECTOR
20	2	9-656000-505	BUSS BAR
21	2	A12000-112	BUSS BAR
22	24	A8023-102	5/16 FLATWASHER
23	9	A8023-005	5/16 LOCKWASHER
24	12	A8023-256	5/16 UNC NUT
25	2	9-656000-503	BUSS BAR
26	2	A12000-6V	THERMAL SWITCH
27	1	9-656000-506	SPACER
28	1	A12000-1Q	BUSS BAR
29	1	A12000-10	BRAID
30	1	9-656000-507	SPACER
31	1	A12000-1N	FUSE
32	1	9-656000-508	SUPPRESSION BOARD
33	1	9-656000-509	SHUNT MOUNTING PLATE
34	4	A8023-335	SCREW 5/16-18 X 2
35	4	A8027-005	SHAKEPROOF WASHER 5/16
36	2	9-656000-510	SHUNT
37	1	9-656000-511	LINK
38	1	9-656000-512	LINK
39	1	9-656000-513	HARNESS ASSEMBLY
40	1	A12000-1S	CABLE CLAMP
41	1	A8023-124	FLATWASHER #8
42	1	A8023-001	LOCKWASHER #8
43	1	A8019-067	SCREW #8-32 X 3/8
44	1	A12000-5	HEATSINK
45	1	A12000-5D	SCR (SCR1,(4R,F/R)
46	1	A12000-5G	DIODE
47	1	A12000-1E	SCR (SCR2,(4R,F/R)
48	9	A8006-889	M6 X 18 METRIC SCREW
49	16	A8006-890	M6 X 25 METRIC SCREW
50	25	A8006-557	M6 LOCKWASHER
51	25	A8006-558	M6 FLATWASHER

REV.1	SHEET 2 OF 2
<p>9-656000-000 S.C.R. PANEL ASSEMBLY</p>	

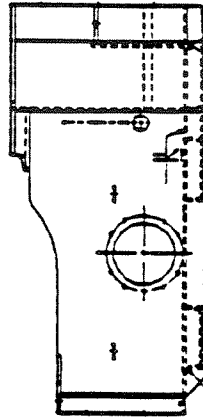




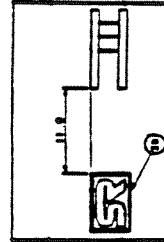
SECTION B-B



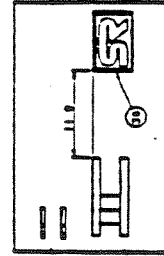
SECTION A-A



SECTION C-C

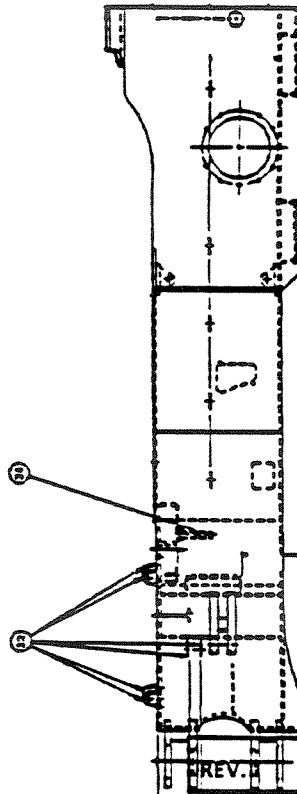
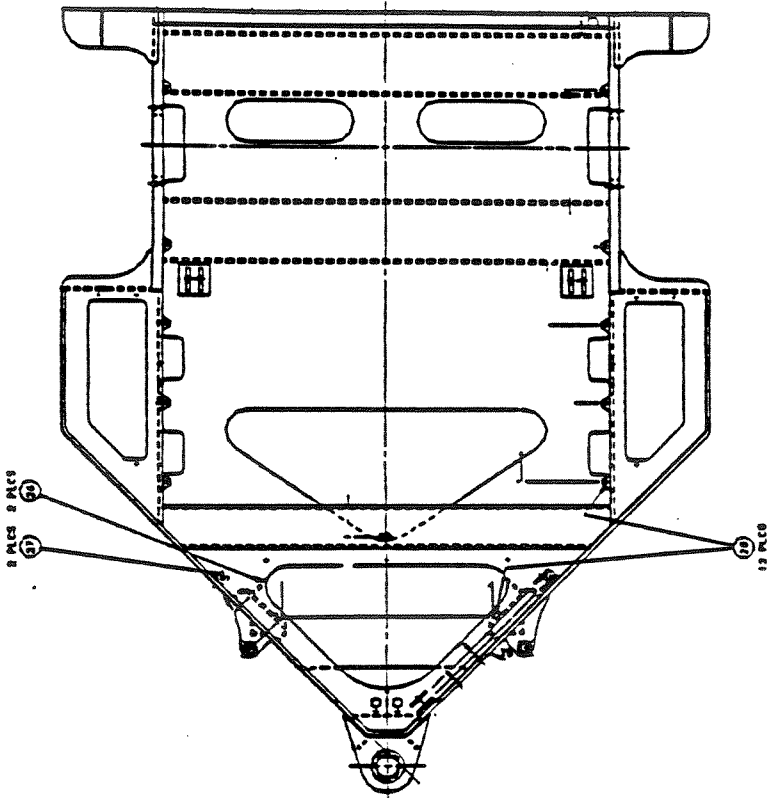


SECTION D-D



SECTION E-E

ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED



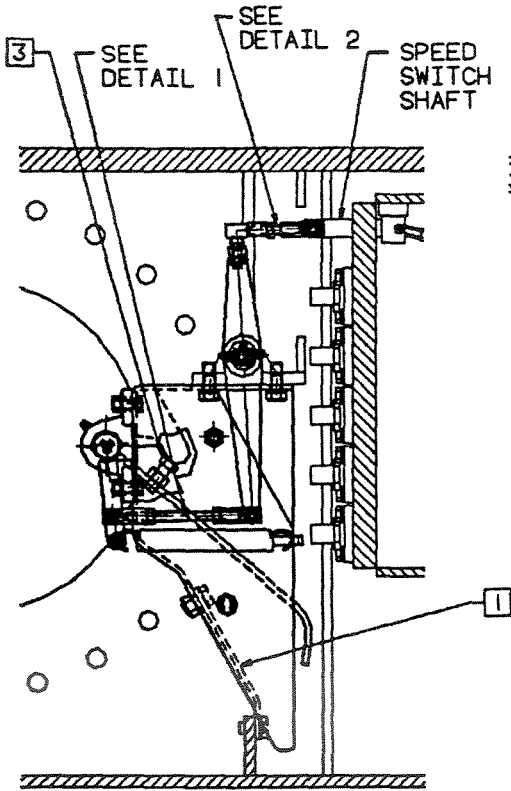
REV. H

SHEET 2 OF 3

015646
REAR FRAME WELDMENT

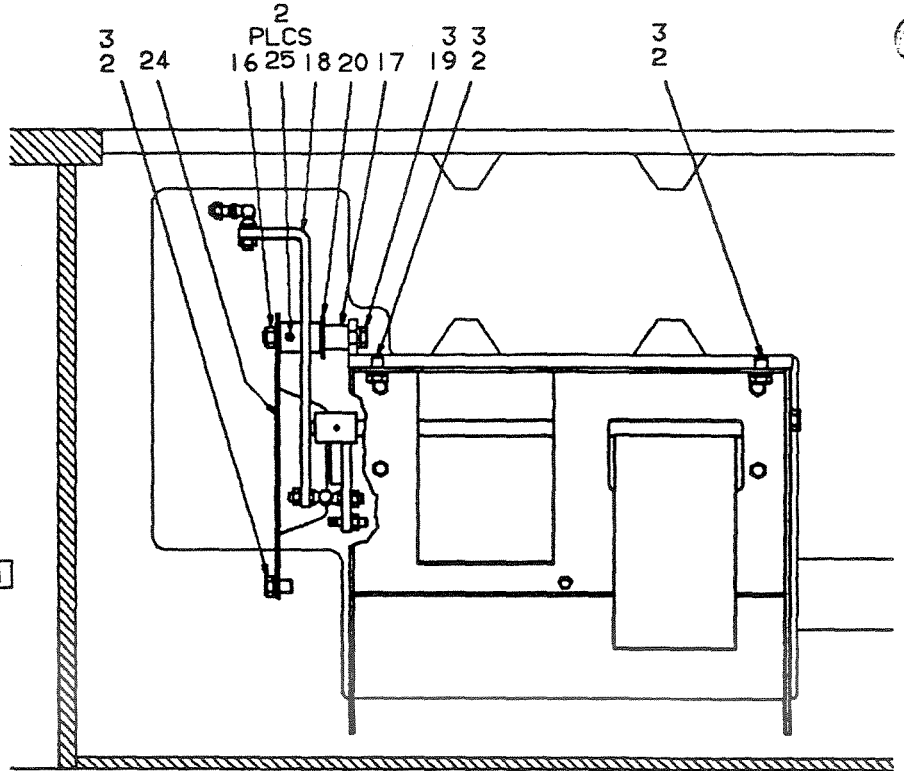
REFERENCE	QUANTITY	PART NUMBER	DESCRIPTION
1	1	015647	FALSE BOTTOM WELDMENT
2	1	015648	EJECTOR BLADE WELDMENT
3	2	010065	CYLINDER MOUNT BAR 820A
4	1	A11077	EJCT. BLADE WIPER
5	1	H929	EJECTOR BLADE CYL820
6	2	H744X4	STR ADAPTER 1/2
7	4	A8000-102	BOLT 1/2 X 4 NC GR5
8	1	A8000-213	BOLT 7/8 NCX2-3/4 LG
9	1	A8006-612	7/8 FLATWASHER
10	4	A8000-090	BOLT 1/2 -13 UNC X1
11	1	012303	END COVER WELD
12	2	015713	CLEVIS WELDMENT
13	12	A8000-092	BOLT 1/2 NC X1 1/2G5
14	16	A8006-607	1/2 ID LOCKWASHER
15	3	A8000-180	BOLT 3/4NCX13/4 GR5
16	3	A8006-611	3/4 LOCKWASHER
17	2	013331X2	FALSE BOTTOM GUIDE
18	4	9202010050	PLAIN WASHER

REV.1	SHEET 2 OF 2
<p>015712 FALSE BOTTOM ASSEMBLY</p>	

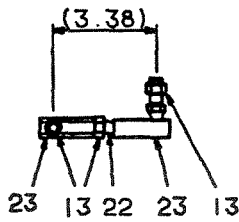


ACCELERATOR GUARD NOT SHOWN

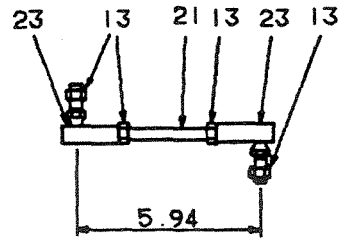
VIEW B-B



VIEW A-A



DETAIL 2



DETAIL 1

ADJUSTMENT PROCEDURE:

NOTE: THE CONTROL STATION SPEED SWITCH SHOULD PRODUCE AN AUDIBLE "CLICK" AT EACH END OF THE SPEED SWITCH SHAFT'S TRAVEL.

1. FOOTBOARD MUST BE INSTALLED (SEE 010623).
2. ADJUST UPPER LINKAGE (DETAIL 2) SO THAT LAST "CLICK" IS HEARD JUST PRIOR TO PEDAL STRIKING FOOTBOARD.
3. ADJUST STOP BOLT (REF#15) SO THAT FIRST "CLICK" IS HEARD IMMEDIATELY UPON DEPRESSING PEDAL.

REV. 1	SHEET 2 OF 3
<p>010605 ACCELERATOR PEDAL ASSEMBLY</p>	

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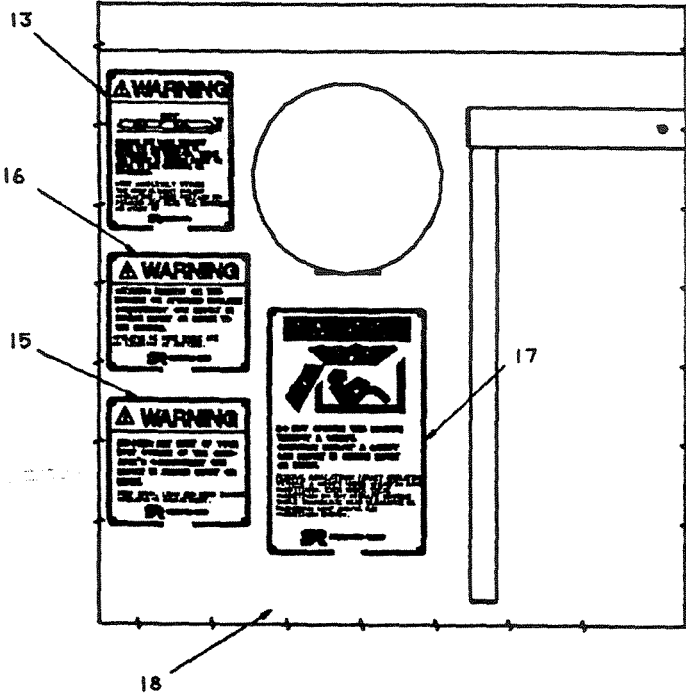


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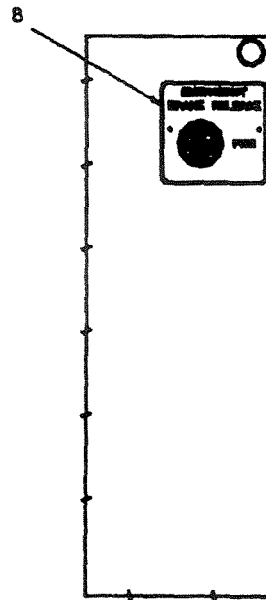
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REFERENCE	QUANTITY	PART NUMBER	DESCRIPTION
1	1	A3330X2	TANK
2	4	A8000-061	3/8 NC X 1 BOLT GR5
3	4	A8006-605	3/8 LOCKWASHER
4	1	A3331-1	VALVE
5	4	H540X2	HEX NIPPLE 1/4
6	2	H654X4	PIPE TEE 1/4"
7	1	H746X2	90 ADAPTER 1/4
8	2	27302	CHECK VALVE
9	2	H744X2	STR ADAPTER 1/4
10	1	H746X5	90 ADAPTER 3/4
11	2	A13290-3	ACTUATOR CARTIDGE
12	2	A13290-4	ACTUATOR
13	2	H746X2	90 ADAPTER 1/4
14	4	A3331-2	NOZZLE
15	8	A3331-9	NOZZLE LOCKWASHER
16	4	H1022X10	FEMALE ADAPTER 3/4-1/2
17	4	H1044X9	REDUCER
18	2	H1008X8	SWIVEL NUT TEE
19	1	H1042X8	BULKHEAD BRANCH TEE

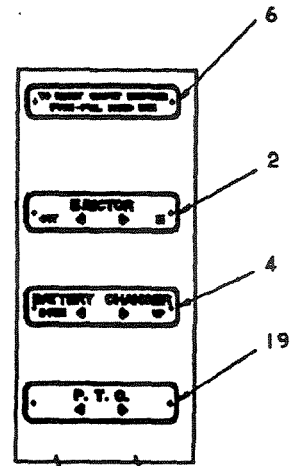
REV. 1	SHEET 2 OF 2
<p>010630 FRONT FIRE SUPPRESSION</p>	



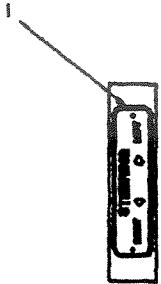
VIEW A



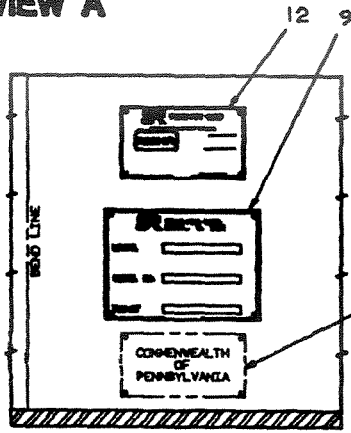
VIEW B



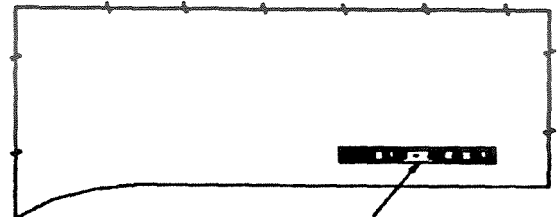
VIEW C



VIEW D

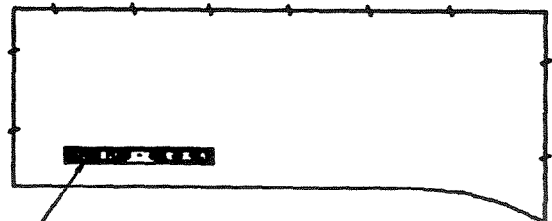


VIEW G

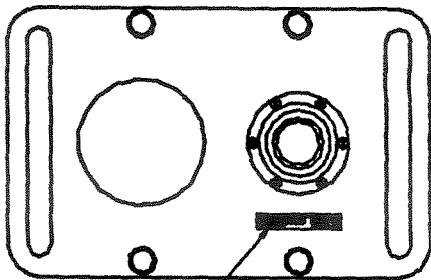


VIEW H

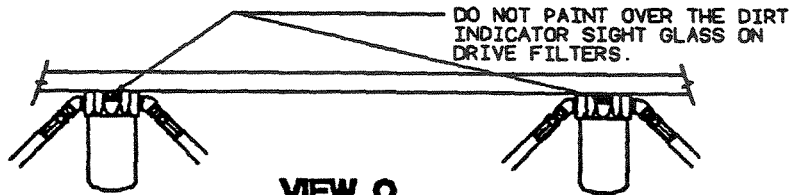
USE ONLY WHEN SHIPPED TO PENNSYLVANIA



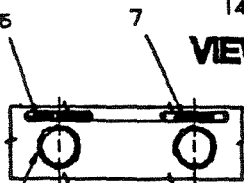
VIEW K



VIEW J



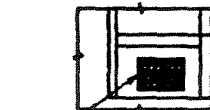
VIEW O



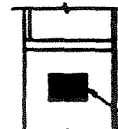
THIS GAUGE IS HOSED TO SYSTEM PRESSURE ON 010733HA

VIEW L

NOTE: CENTER TAG OVER GAUGE AS SHOWN



VIEW M BOTH SIDES

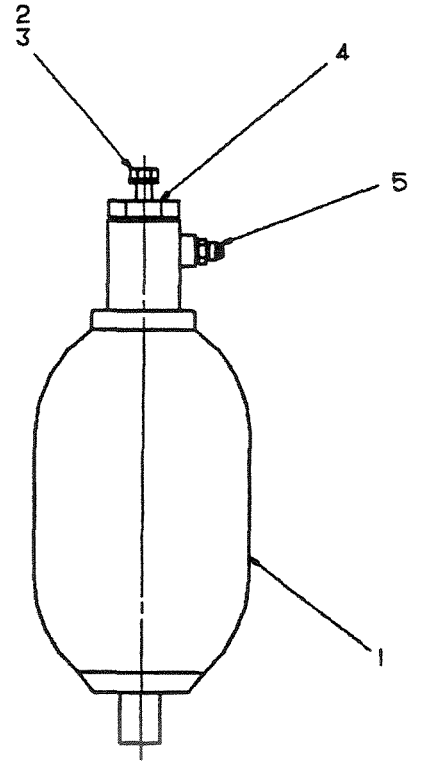
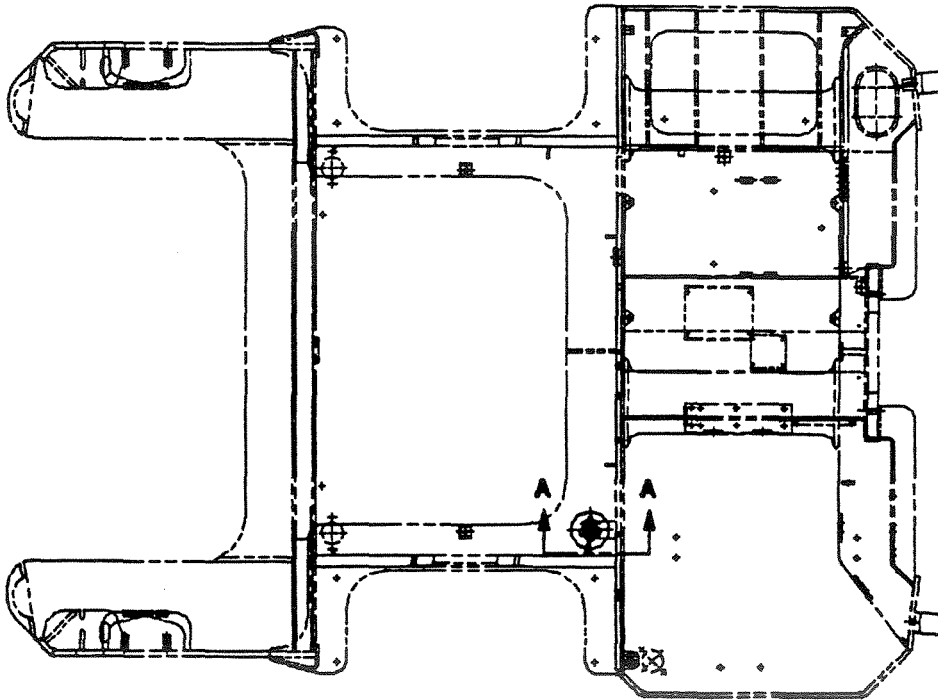


VIEW NN BOTH SIDES

REV. 1	SHEET 3 OF 3
012044 DECALS (PAINT, LUBE & FINAL FINISH)	

9430001010 TIRE/WHEEL ASSY-FOAM

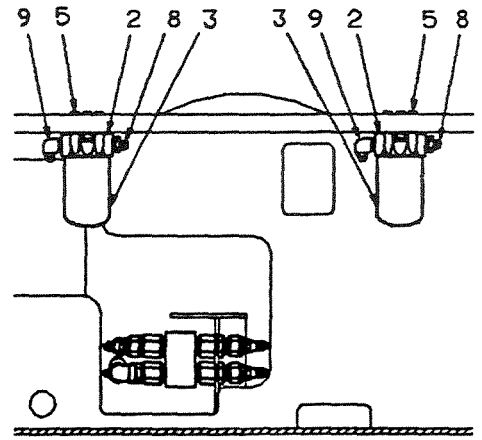
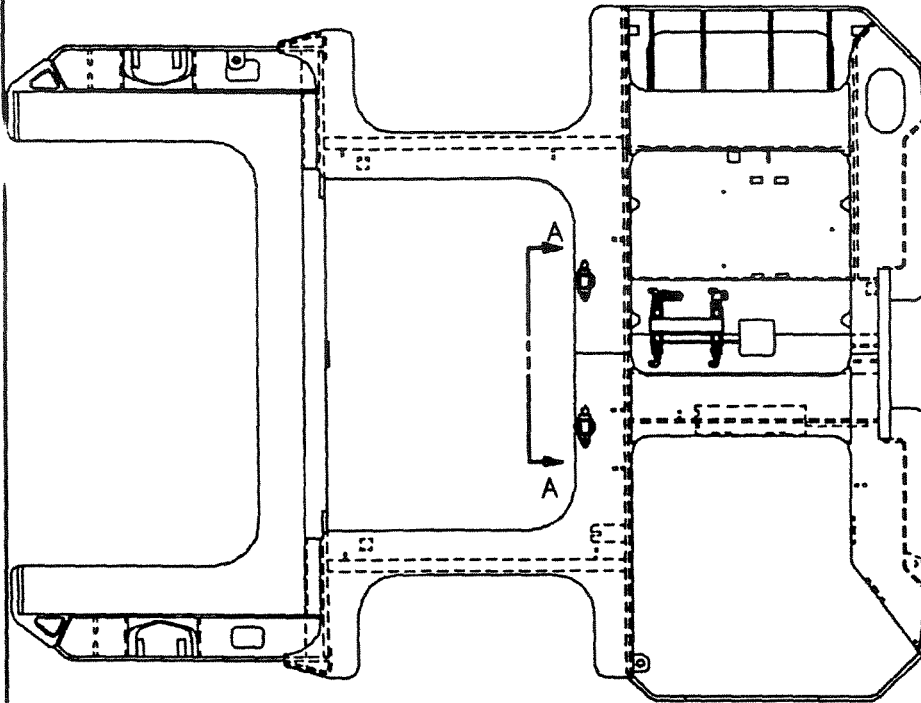
REFERENCE	QUANTITY	PART NUMBER	DESCRIPTION
1	1	9432009000	RIM WLDMT 15.00SP X20.00
2	1	A25X71	TIRE, 18L-20 GOODYEAR



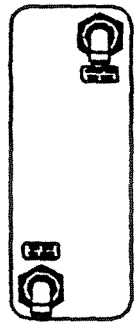
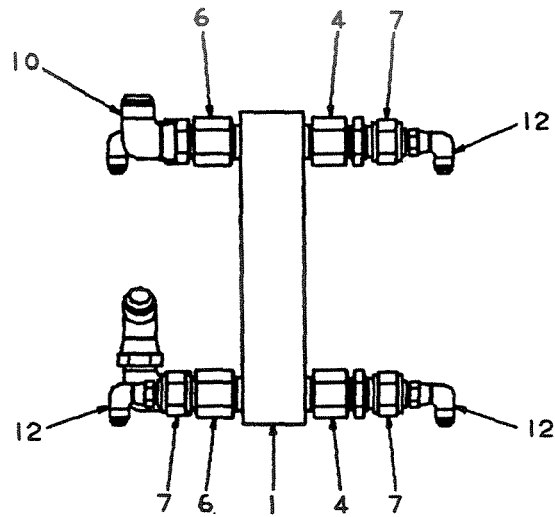
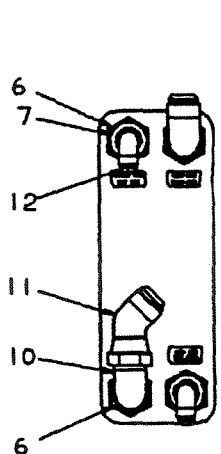
VIEW A-A

REFERENCE	QUANTITY	PART NUMBER	DESCRIPTION
1	1	H1132X1000	ACCUM, 100 PSI, 1 GAL.
2	1	A8000-091	HEX HEAD 1/2 X 1 1/4 G5NC
3	1	A8006-405	1/2 ID FLATWASHER
4	1	011457	MOUNTING PLUG
5	1	H744X25	MALE PIPE ADAPTER

REV. 1	SHEET 1 OF 1
<p>010727 ACCUMULATOR INSTALLATION</p>	



VIEW A-A

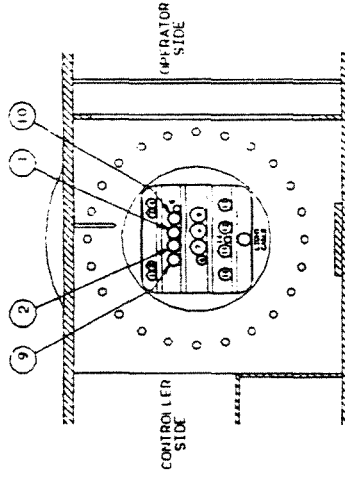


HEAT EXCHANGER ASSEMBLY

REFERENCE	QUANTITY	PART NUMBER	DESCRIPTION
1	1	010064X1	HEAT EXCHANGER
2	2	9-541000-001	FILTER HEAD
3	2	9-541000-500	FILTER ELEMENT
4	2	H1088X8	FML NPT-JIC BLKHD ADPTR
5	6	A8000-036	BOLT 5/16 X 2 NC G5
6	4	H1022X15	FITTING
7	4	H1044X20	FITTING
8	2	H744X13	3/4 X 1/2 ST FITT JIC
9	2	H746X13	90 MALE PIPE ELBOW (12-8)
10	2	H857X10	90 SWIVEL NUT ELBOW (16-16)
11	1	H1006X10	45 SWIVEL NUT ELBOW (16-16)
12	4	H857X6	90 SWIVEL NUT ELBOW (8-8)

REV. 1	SHEET 1 OF 1
010732 HEAT EXCHANGER/FILTER INSTALLATION	

REFURBISH INSTALLATIONS
 CONTROL VALVE
 PTO COUPLERS
 SLOQUENCE VALVE
 HOSE CARRIER
 FALSE BOTTOM CYLINDER
 FALSE BOTTOM ASSEMBLY

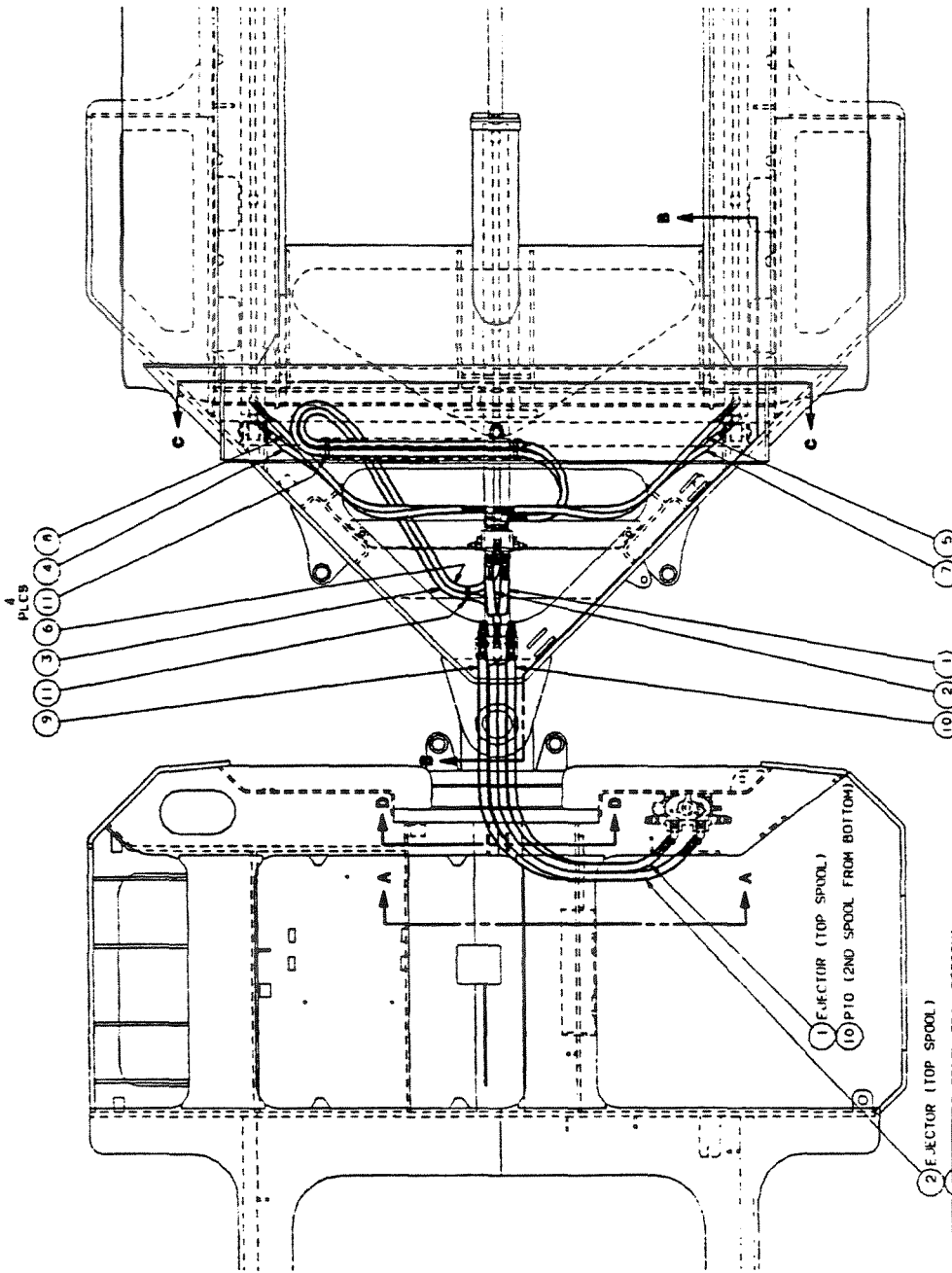


SECTION D-D

CENTER SECTION HOSE DIAGRAM

- STEERING HOSES (010626HA)
 1 CYL EXTEND (REF#5)
 2 CYL RETRACT (REF#6)
 3 CYL RETRACT (REF#4)
 4 CYL EXTEND (REF#3)
 HEAD TRACTIVE ASSIST HOSES (4811) (012309)
 5 MOTOR DRAIN (REF#24)
 6 MOTOR VALVE RETURN (REF#18)
 7 MAIN SUPPLY (REF#19)
 8 MOTOR CIRCUIT (REF#7)
 9 MOTOR CIRCUIT (REF#8)
 10 MOTOR CIRCUIT (REF#9)
 FIRE SUPPRESSION HOSE (010630HA)
 11 ACTUATOR (REF#3)

SEE SHEET 2 FOR AUXILIARY VIEWS



SEE SHEET 2 FOR AUXILIARY VIEWS

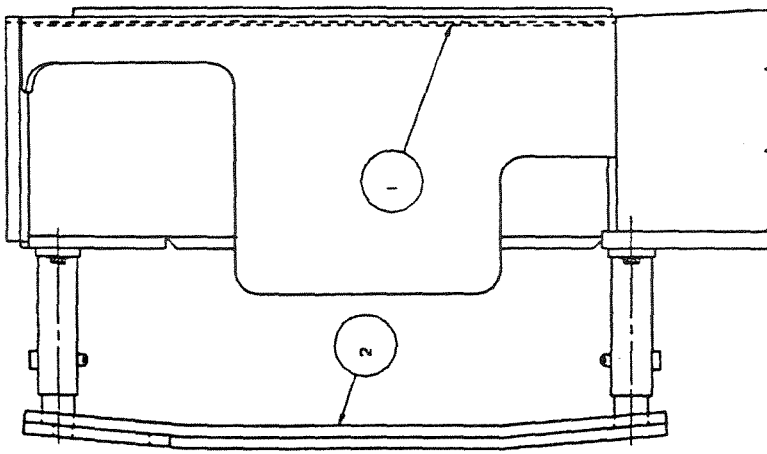
REV.1

SHEET 1 OF 3

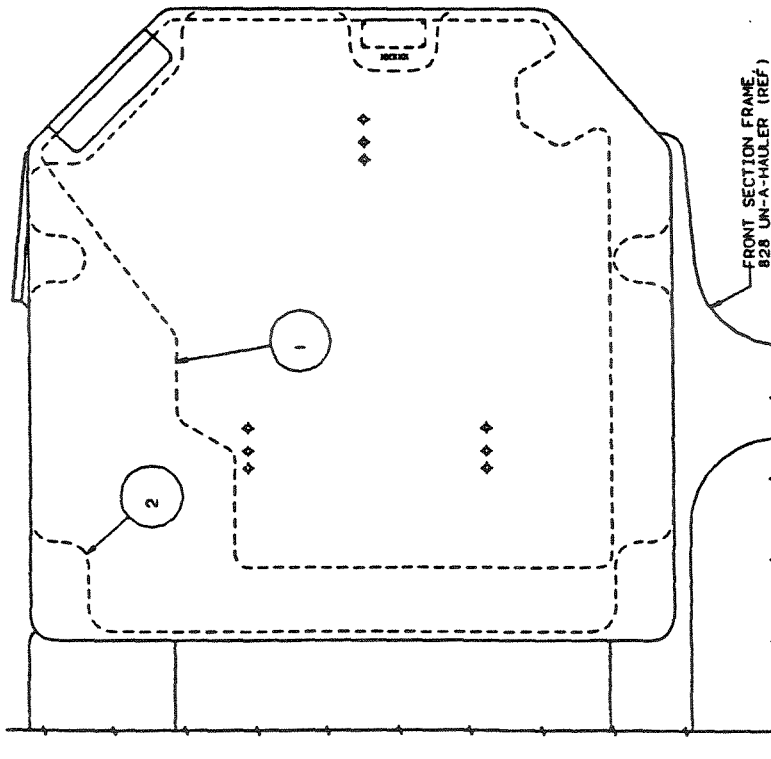
012146X1HA
 EJECTOR/PTO HOSE

011402X2 ASSIST KIT, 848

REFERENCE	QUANTITY	PART NUMBER	DESCRIPTION
1	1	011444X1	WHEEL MOTOR INSTALL
2	1	011443X1	CIRCUIT VALVE INSTA,MOTOR
3	1	011445X1	ASSIST PTO INSTALLATION
4	1	011441X1	ASSIST ACTUATOR VALVE INS
5	1	012050	ASSIST RELIEF VALVE INSTA
6	1	012309	ASSIST HOSE INSTALLATION



- NOTE
- 1. INSTALL FLOOR MAT UNDER THE SEAT
 - 2. BOLT THRU THE SEAT AND MAT FOR MOUNTING
 - 3. ALIGN CANOPY PAD WITH THE EDGE OF THE CANOPY
 - 4. MOUNT CANOPY PAD WITH THE PRESSURE SENSITIVE ADHESIVE BACKING

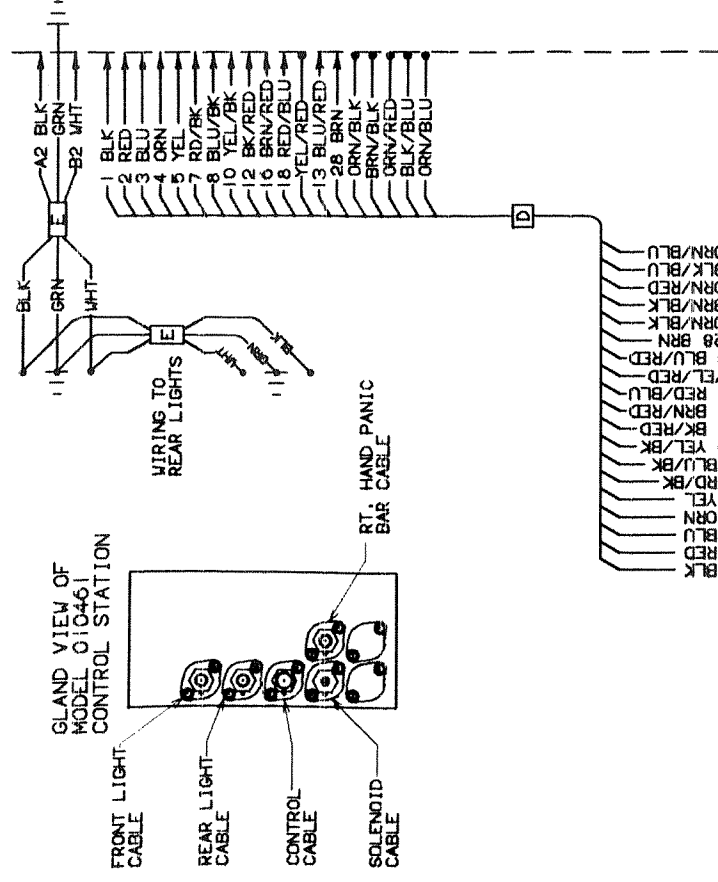
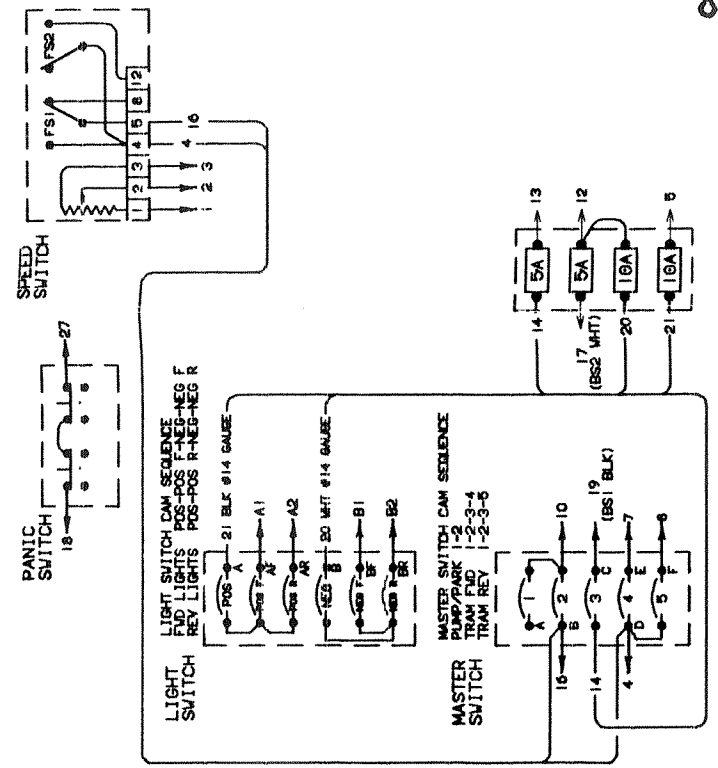
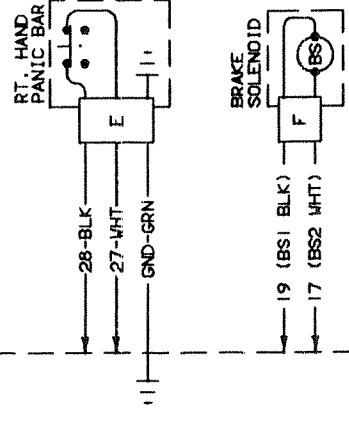
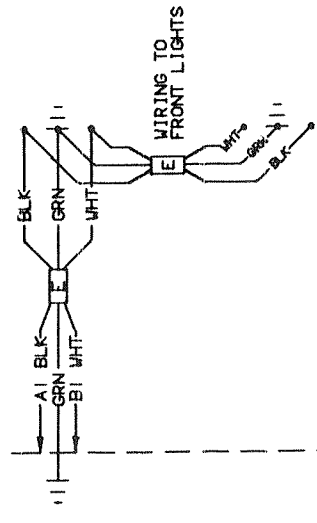
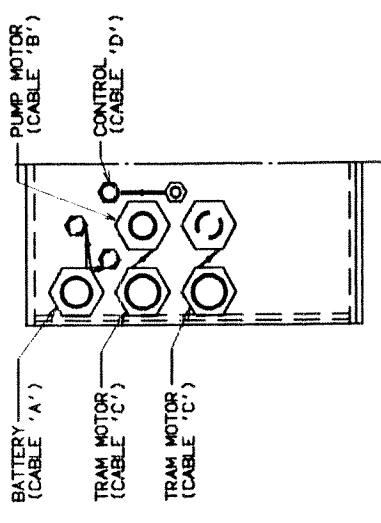


REV. 1	SHEET 2 OF 4
012309 REAR ASSIST HOSE INSTALLATION	

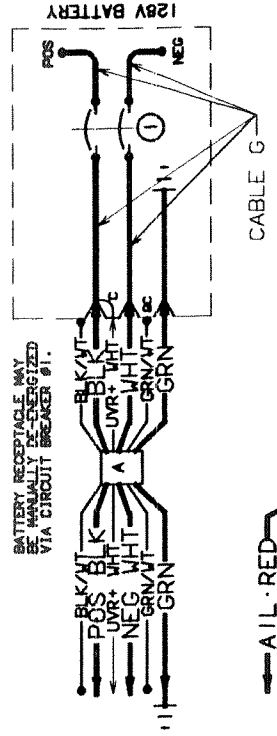
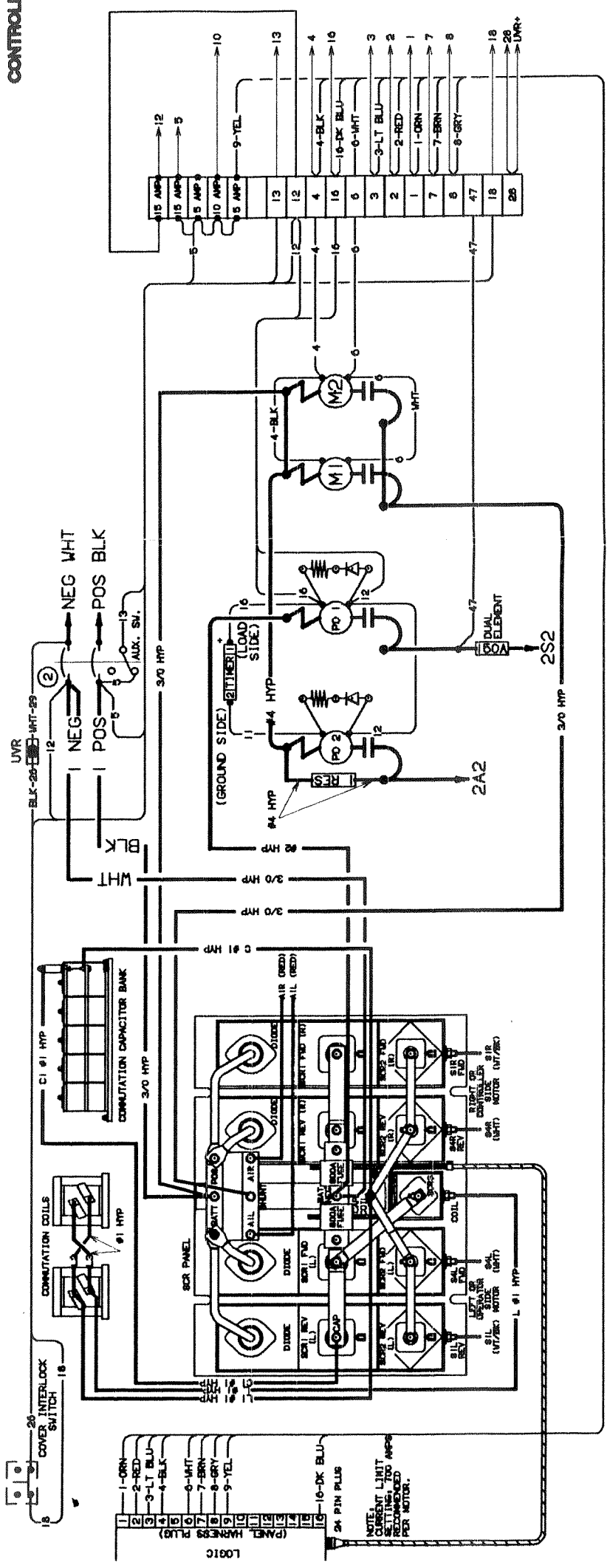
CABLE INFORMATION

REF	DESCRIPTION
A	2 COND 3/0, 1 COND 1/0 WITH CONTROL LEADS
B	2 COND NO. 4
C	3 COND 3/0 WITH 3 COND NO. 14 CONTROL LEADS
D	19 COND NO. 16
E	3 COND NO. 14
F	2 COND NO. 16
G	1 COND NO. 4/0
H	4 COND NO. 14

GLAND VIEW OF MODEL D14878 CONTROLLER

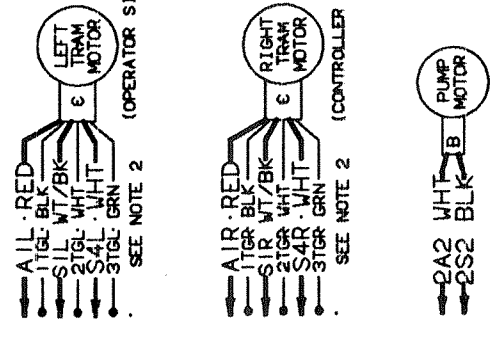


CONTROLLER



NOTES

- BATTERY PLUGS MUST BE DISCONNECTED FROM BATTERY BEFORE BATTERY CONNECTION BOX COVER IS REMOVED.
- AUX. LEADS 17L, 27L, 37L, 17R, 27R, AND 37R IN MOTOR CABLE ARE NOT USED.
- MAX. CAPACITOR DISCHARGE TIME 45 SECONDS.
- FOR WIRING OF SHUNT TRIP MACHINE SEE 012340, SHT. 2.
- FOR ALTERNATE OR OPTIONAL EQUIPMENT, SEE 012340, SHT. 4 & 5.
- FOR WIRING SCHEMATIC, SEE 012340X1 SHT. 1.



CKT BRKR	TRIP RANGE	AMP SETTING	RATING
1	1250-2500	1875	400
2	1250-2500	1780	400



848 (X90) DUAL MOTOR WIRING DIAGRAM

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