

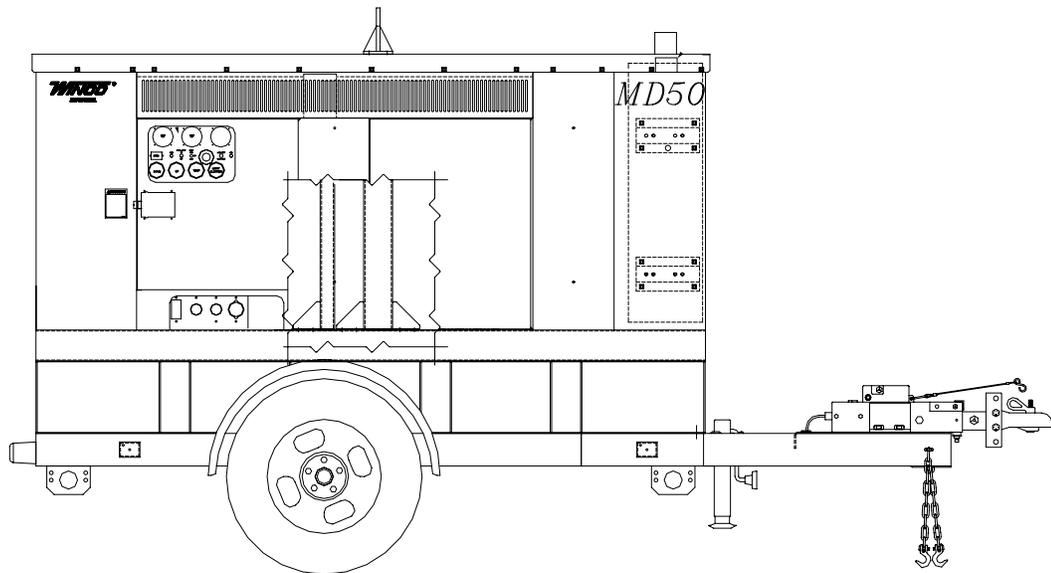
WINCO[®] INC

*A Division of **DTE** Dyna Technology Inc*

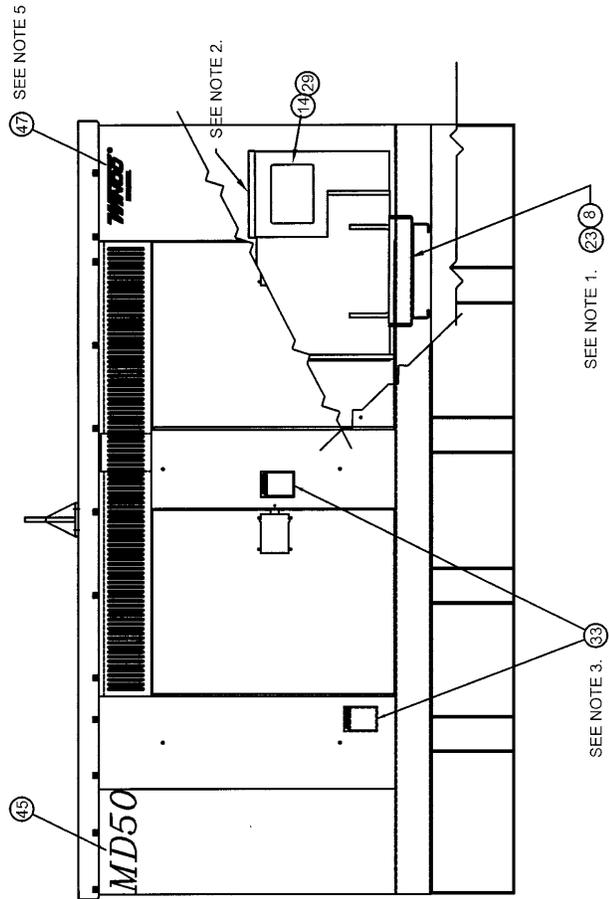
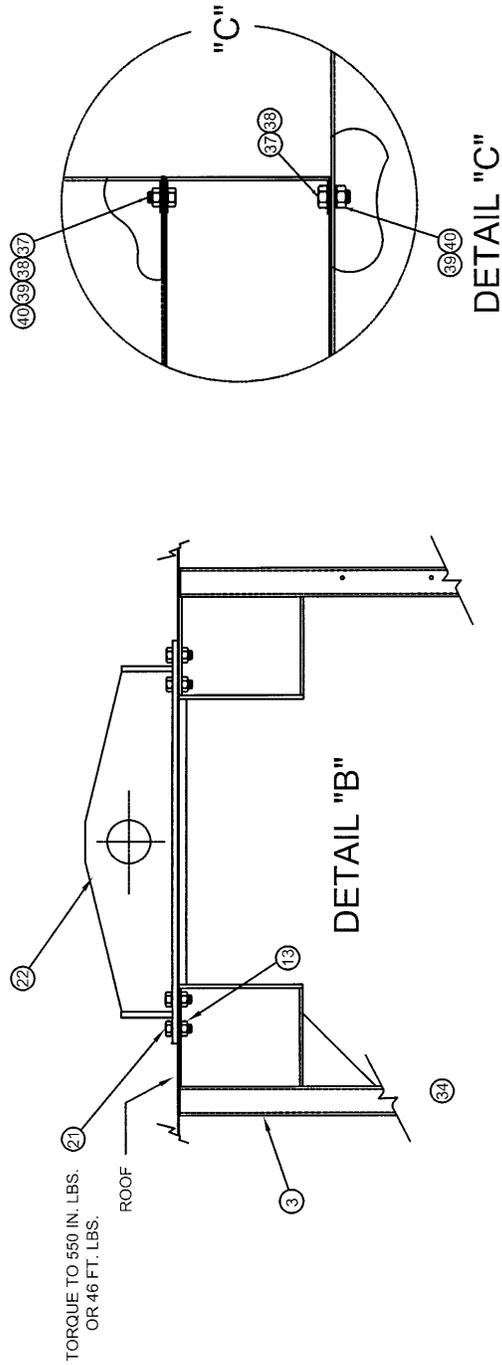
PARTS LIST

MDS50

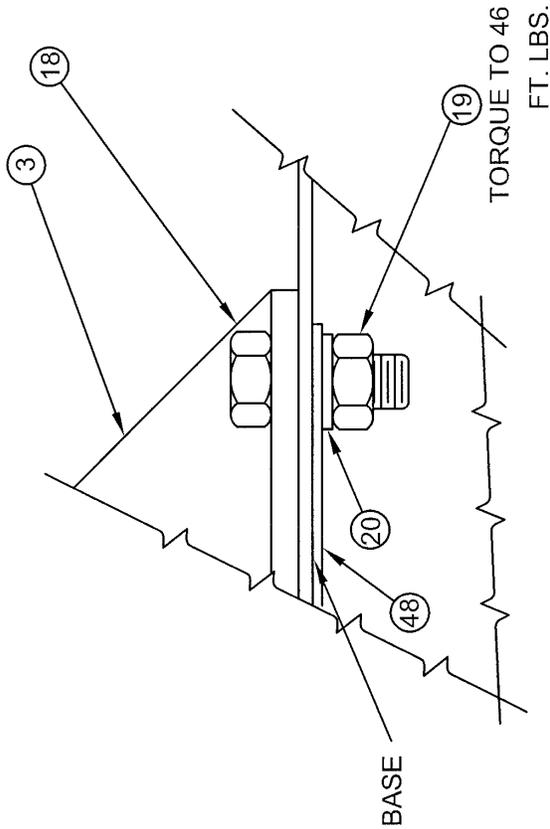
**MDS50E2/B, MDS50E3/B
MDS50R2/B, MDS50R3/B**



COMPLETE UNIT ASSEMBLY (CONTINUED)



COMPLETE UNIT ASSEMBLY (CONTINUED)



DETAIL "A"

NOTE 1: ITEMS (10)(11)(27)(28) ARE TO BE PACKED

LOOSE WITH TOW HITCH RING & SERVICE MANUALS

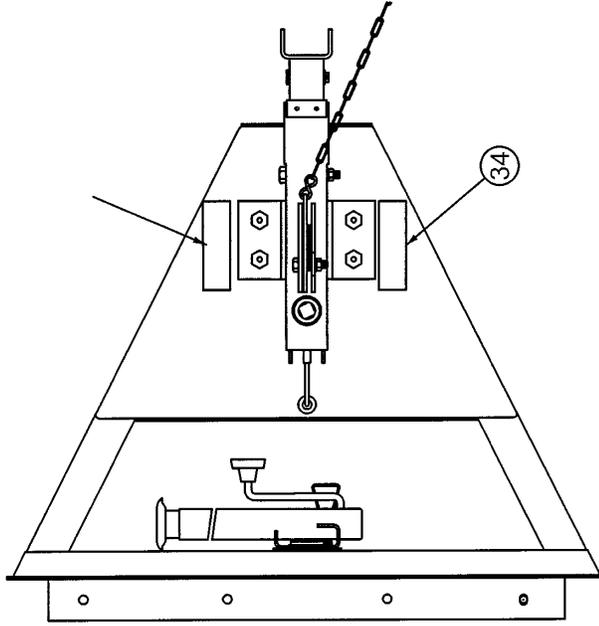
NOTE 2. CONNECT CONTROL BOX LEAD WIRES TO GENERATOR LEAD WIRES

USING (9)(24)(25)(26), AND (31).

NOTE 3. PLACE (4) DECALS ONE NEXT TO EACH DOOR STRIKER PLATE, (1) ON THE CIRCUIT BREAKER COVER, (2) ON EACH SIDE OF ENGINE RADIATOR MOUNTING PLATE.

NOTE 4. PLACE (1) DECAL NEXT TO THE RECEPTACLES AND (1) ON THE TERMINAL COVER.

NOTE 5. PLACE THE THIRD DECAL IN THE CENTER OF THE REAR BOTTOM SILL PANEL



TOP VIEW OF HITCH

COMPLETE UNIT ASSEMBLY (CONTINUED)

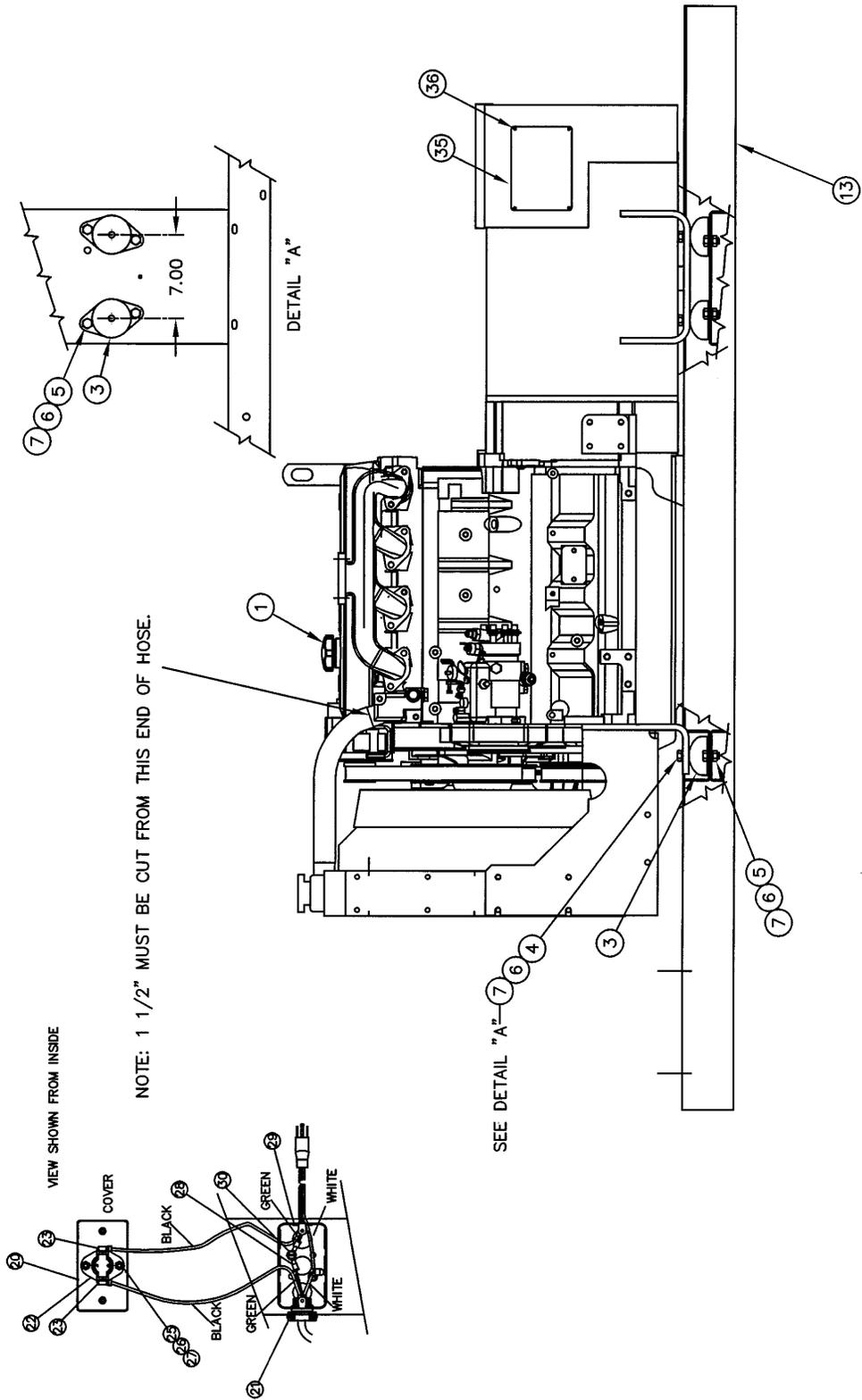
51			
50	98372-017	1	CERT. OF ORIGIN
49	60710-110	1	EPA FORM
48	A-99607-002	4	LIFTING YOKE SUPPORT PLATE
47	A-64214-046	3	DECAL-WINCO POWER SYSTEM
46	A-97382-000	1	DECAL WARNING "STARTING FLUID"
45	A-98413-010	3	DECAL MD50
44	B-15209-002	SEE TABLE	DECAL CO2 WARNING
43			
42	B-15209-000	2	DECAL KIT
41			
40	A-93709-000	SEE TABLE	HEX NUT 3/4-10
39	A-93710-000	SEE TABLE	3/4" LOCK WASHER SPLIT
38	1178-000	SEE TABLE	3/4" FLAT WASHER
37	A-93711-001	SEE TABLE	HHCS 3/4-13 X 1.5" GRADE 5
36	B-15209-003	2	DECAL ELECTRICAL SHOCK
35	A-97379-000	SEE TABLE	DECAL JACK WARNING
34	A-97830-000	SEE TABLE	DECAL WARNING "BLOCK WHEELS"
33	A-97813-000	7	DECAL AUTO START
32	A-97381-000	1	DECAL DIESEL FUEL
31	A-62487-006	3.59FT	LOOM, 2" I.D.
30	55440-000	12	1/4-20 X 1/2" SELF TAPPING SCREW
29	A-21698-001	4	#10 SELF TAPPING SCREW
28	512-000	2	FLAT WASHER, 1/4"
27	47517-000	2	1/4-20 SELF LOCKING NUT
26	479-000	13	LOCKWASHER 1/4 SPLIT
25	638-000	13	HEX NUT 1/4-20
24	463-000	13	HHCS 1/4-20 X 1/2"
23	62173-000	3	SELF TAPPING SCREW, 1/4" - 20 X 1/2"
22	B-92212-003	1	EYE WELDMENT
21	57580-000	8	HHCS 1/2-13 X 1.5"
20	636-000	18	LOCKWASHER, 1/2" SPLIT
19	1744-000	18	HEX NUT, 1/2"
18	48178-000	10	HHCS 1/2-13 X 1" GRADE 5
17	SEE TABLE	1	LITERATURE
16	B-98920-002	1	FUEL SYSTEM INSTALLATION
15	B-99620-001	1	80 GALLON FUEL TANK
14	B-91713-001	1	NAMEPLATE, STAMPED
13	A-92242-000	8	HEX NUT SELF LOCKING 1/2-13
12	B-99533-003	1	EXHAUST ASSEMBLY
11	A-64167-001	1	BATTERY HOLD DOWN
10	A-64240-000	2	BATTERY HOLD DOWN ROD
9	A-91335-000	6.5'	SLEEVING
8	A-99505-001	1	BATTERY TRAY WELDMENT
7	A-99636-000	1	SUPPORT BRACKET CONTROL BOX
6	A-99497-000	1	CONTROL ANGLE ASSEMBLY (NOT SHOWN)
5	SEE TABLE	1	COMPLETE CONTROL ASSEMBLY
4	C-99521-003	1	HOUSING ASSEMBLY
3	B-99163-003	1	LIFTING YOKE
2	SEE TABLE	1	ENGINE-GENERATOR INSTALLATION
1	SEE TABLE	1	COMPLETE TRAILER ASSEMBLY
ITEM	PART NO	QUAN.	DESCRIPTION

COMPLETE UNIT ASSEMBLY (CONTINUED)

	P/N	MODEL	ITEM(1)	ITEM(2)	ITEM(5)	ITEM(17)	QTY(34)	QTY(35)
BASIC	99615-001	MDS50E2/B	99602-003	99626-004	99256-008	60706-138	2	1
OPTION A	99615-002	MDS50E3/B	99602-003	99626-004	99256-009	60706-137	2	1
OPTION B	99615-003	MDS50R2/B	99602-003	99626-002	99256-010	60706-136	2	1
OPTION C	99615-004	MDS50R3/B	99602-003	99626-002	99256-011	60706-135	2	1
BASIC	99615-005	MDS50E2/B	NONE	99626-004	99256-008	60706-138	0	0
OPTION A	99615-006	MDS50E3/B	NONE	99626-004	99256-009	60706-137	0	0
OPTION B	99615-007	MDS50R2/B	NONE	99626-002	99256-010	60706-136	0	0
OPTION C	99615-008	MDS50R3/B	NONE	99626-002	99256-011	60706-135	0	0

15209 DECAL SET									
		15209-1			15209-2			15209-3	
	P/N	MODEL	QTY(37)	QTY(38)	QTY(39)	QTY(40)	QTY	QTY 34	QTY 36
BASIC	99615-001	MDS50E2/B	20	20	20	20	0	1	2
OPTION A	99615-002	MDS50E3/B	20	20	20	20	0	1	2
OPTION B	99615-003	MDS50R2/B	20	20	20	20	0	1	2
OPTION C	99615-004	MDS50R3/B	20	20	20	20	0	1	2
BASIC	99615-005	MDS50E2/B	12	12	12	12	0	1	2
OPTION A	99615-006	MDS50E3/B	12	12	12	12	0	1	2
OPTION B	99615-007	MDS50R2/B	12	12	12	12	0	1	2
OPTION C	99615-008	MDS50R3/B	12	12	12	12	0	1	2

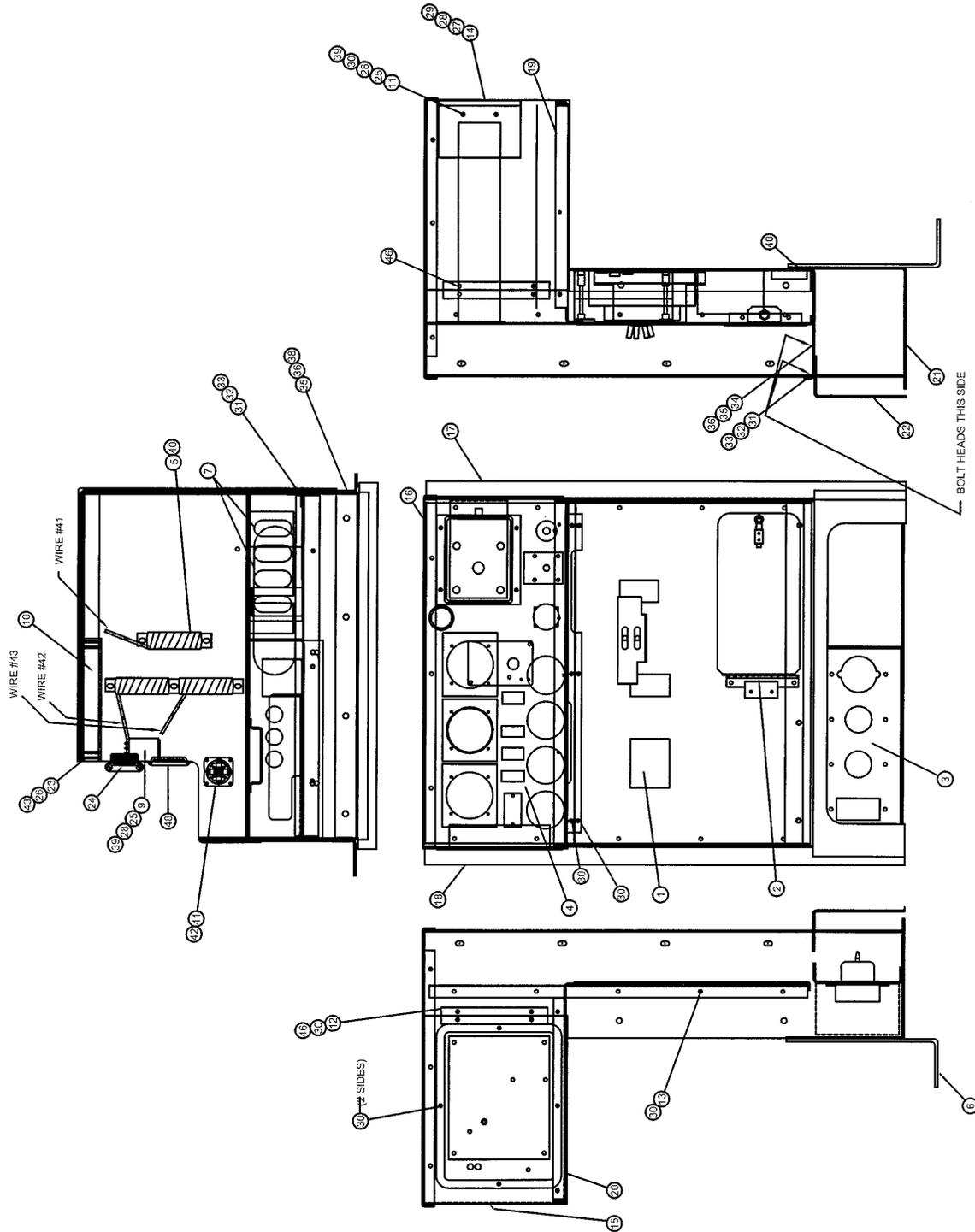
ENGINE/GENERATOR SET



ENGINE/GENERATOR SET (CONTINUED)

36	A-10809-000	4	SCREW #4 X 1/4
35	B-91713-000	1	NAME PLATE
34	92584	1	ELBOW
33	96195-004	1	CONNECTOR TUBE
32	93689-000	1	1 FT BREATHER HOSE
31	B-99669-000	1	ENGINE WIRING HARNESS
30	350255-3	1	KIT, OIL DRAIN
29	A-92789	1	UTILITY BOX
28	A-81963-1	1	LUG
27	6174	2	.H.H.C.S..
26	6376	2	LOCK WASHER #8
25	5113	2	HEX NUT #8-32 X 3/8
24	12624	.50 FT	LEAD WIRE 16 GA.
23	A-61898	2	LUG
22	A-15816-1	1	THERMOSTAT
21	A-93073	1	CONNECTOR
20	A-15812	1	COVER
19	A-99265-000	1	WATER TEMPERATURE SENDER
18	A-99267-001	1	OIL PRESSURE SENDER
17	A-80980	1	START SOLENOID
16	A-99635-000	1	BLOCK HEATER INSTALL W/ENGINE
15	B-53220-65	1	BATTERY CABLE
14	B-53220-55	1	BATTERY CABLE
13	B-99480-004	1	GENERAL FRAME
12	B-91629-001	2	DRIVE DISK
11	A-23597-000	8	3/8-16 X .88 HEX HEAD BOLT
10	A-96000-002	12	3/8-16 X 1.000 HEX HEAD BOLT
9	481-000	20	3/8 SPLIT LOCK WASHER
8	A-21867-000	2	1/2 FLAT WASHER
7	1744-000	18	1/2-13 HEX NUT
6	636-000	18	1/2 SPLIT LOCK WASHER
5	A-48178-000	12	1/2-13 X 1.00 HEX HEAD BOLT
4	A-57580-003	6	1/2-13 X 2.00 HEX HEAD BOLT
3	A-98956-001	6	SHOCK MOUNTS
2	D-92114-009	1	GENERATOR PARTS UNASSEMBLED
1	B-350001-3	1	JOHN DEERE DIESEL ENGINE
ITEM	PART NO	QUAN.	DESCRIPTION

CONTROL PANEL ASSEMBLY

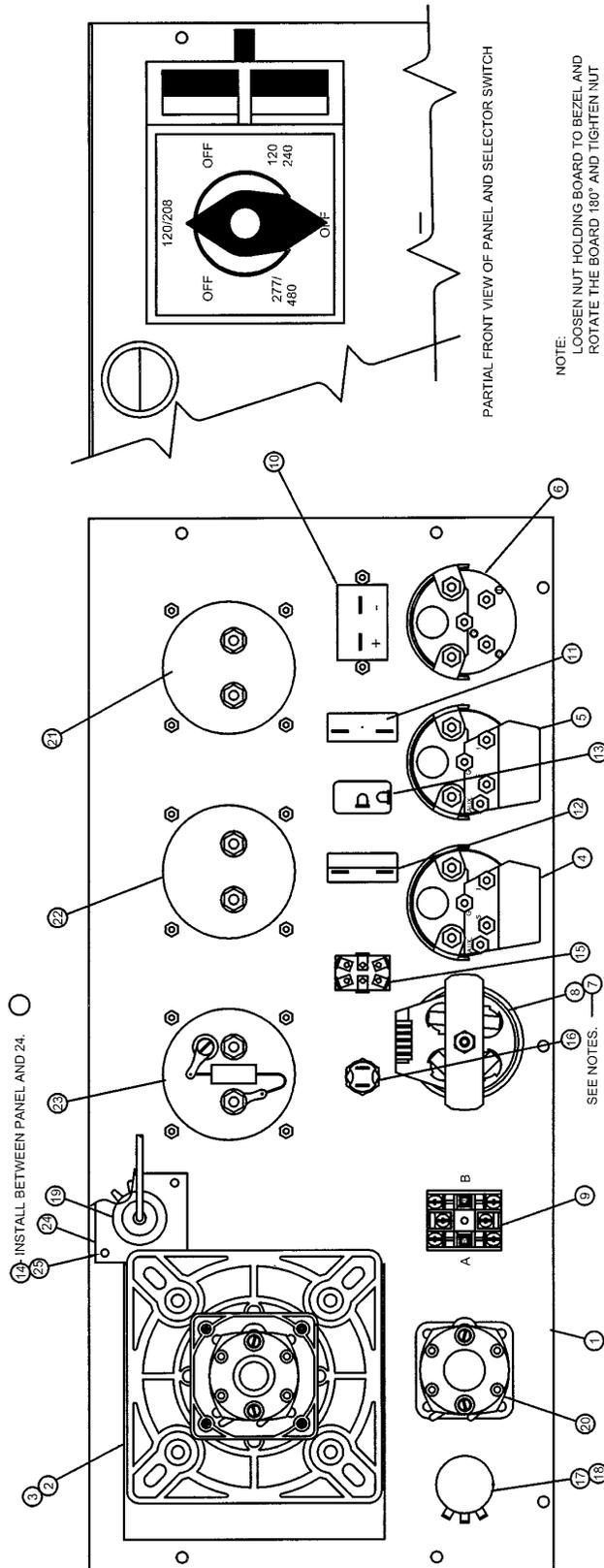


REVISION RECORD

CONTROL PANEL ASSEMBLY (CONTINUED)

48	A-15102-003	1	CAP PLUG
47	B-99439-001	1	CONTROL BOX LH
46	B-92267-001	8	CAP PLUG
45	B-99663-000	REF	A.C.SCHEMATIC
44	B-99275-004	1	WIRING DIAGRAM
43	24737-000	8	SCREW #10-32 X 1/2
42	7792-000	2	RHMS #6-32 X 5/8
41	51802-000	2	ELASTIC STOPNUT #6-32
40	A-55440-000	18	SELF TAP 1/4
39	21976-000	8	LOCKWASHER #8
38	476-000	9	HHCS 1/4-20 X 5/8
37	4516-000	1	EXT LOCKWASHER 1/4
36	479-000	12	LOCKWASHER 1/4
35	638-000	12	HEX NUT 1/4-20
34	463-000	4	HHCS 1/4-20 X 1/2
33	480-000	6	LOCKWASHER 5/16
32	458-000	6	HEX NUT 5/16-18
31	467-000	6	HHCS 5/16-18 X 3/4
30	A-21698-001	68	SELF TAP #10 (BLK)
29	511-000	4	#8-32 FLAT WASHER
28	5113-000	12	HEXNUT #8-32
27	42048-000	4	#8-32 X 1 1/2 FLAT HD MACH. SCREW
26	484-000	8	LOCKWASHER #10
25	6402-000	6	BHMS #8-32 X 3/8
24	A-93073-002	1	ROMEX CONNECTOR
23	B-91454-003	4	SPACERS
22	B-99241-002	1	BOTTOM, CIRCUIT BREAKER MOUNTING
21	A-99436-001	1	CONTROL, BOTTOM
20	B-99439-002	1	CONTROL BOX, RH
19	B-99190-001	1	CONTROL FLOOR, UPPER
18	B-99434-002	1	CONTROL CABINET SIDE, LEFT
17	B-99434-003	1	CONTROL CABINET SIDE, RIGHT
16	B-99184-001	1	TOP, CONTROL CABINET
15	B-99198-003	1	COVER
14	A-98884-003	1	VOLTAGE REGULATOR
13	A-99197-000	2	SUPPORT, PANEL
12	A-99242-000	2	SPLICE
11	A-99210-004	1	SUPPORT, SELECTOR SWITCH
10	A-72190-015	1	ENGINE CONTROL
9	B-59944-001	1	RELAY
8	B-99247-002	REF	D.C.SCHEMATIC
7	A-99280-000	1.50FT	CONTINUOUS GROMMET
6	99436-002	1	CONTROL BOX BACK
5	71234-005	3	CURRENT TRANSFORMER 200/5
4	B-99246-004	1	SUB-ASS'Y CONTROL PANEL
3	B-99258-003	1	SUB-ASS'Y, RECEPTACLE
2	B-99259-003	1	SUB-ASS'Y, CIRCUIT BREAKER COVER
1	B-99257-003	1	SUB-ASS'Y, CIRCUIT BREAKER
ITEM	PART NO	QUAN.	DESCRIPTION

CONTROL PANEL ASSEMBLY (CONTINUED)

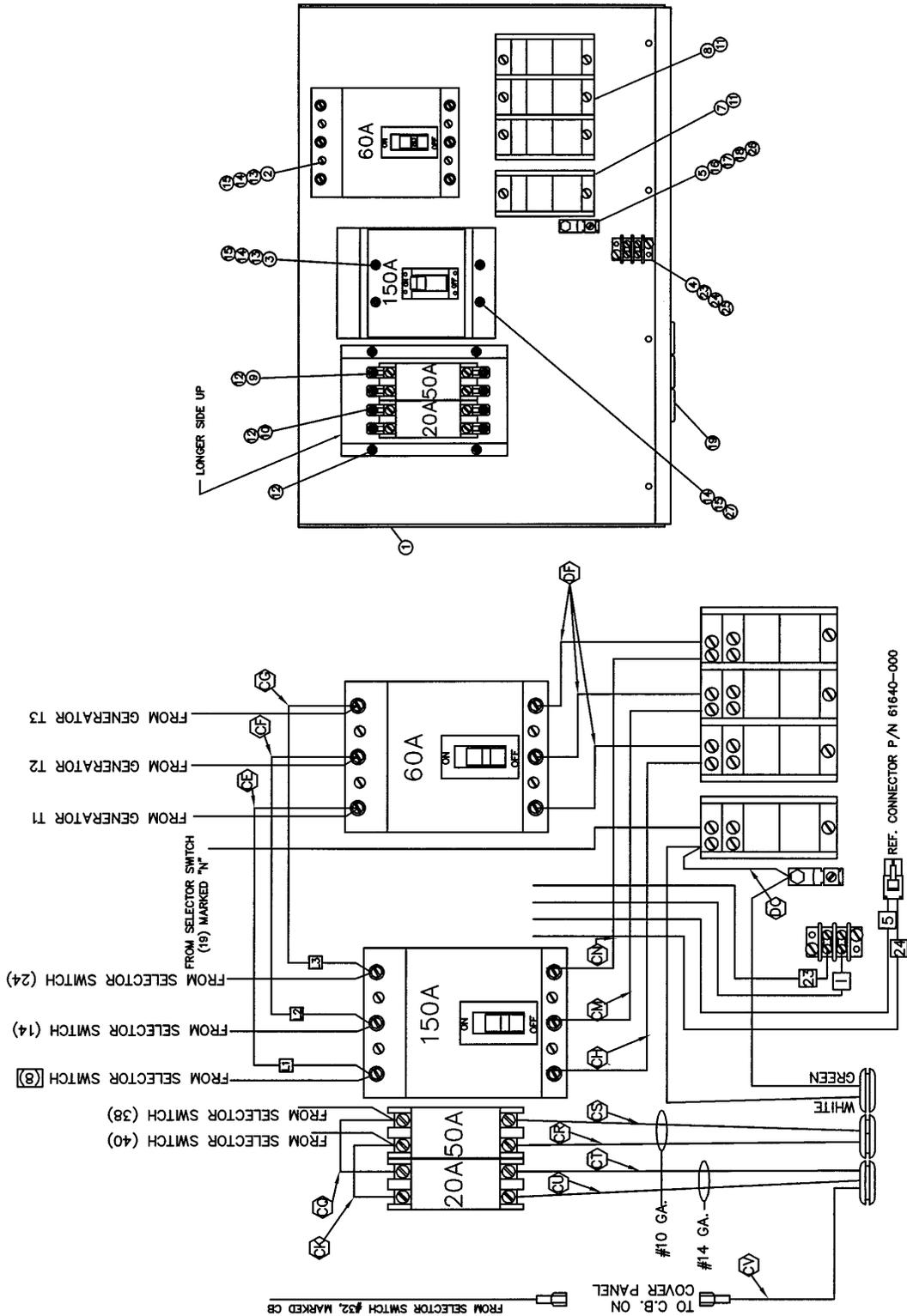


REAR VIEW OF PANEL AND COMPONENTS

CONTROL PANEL ASSEMBLY (CONTINUED)

25	A-21698-001	2	#10 X 3/8 SELF TAPPING SCREW
24	A-99297-000	1	PILOT LAMP BACKING PLATE
23	A-99272-001	1	FREQUENCY METER
22	A-99271-003	1	A.C. AMMETER 0-200
21	A-99270-001	1	A.C. VOLTMETER, 0-600 SCALE
20	A-99003-000	1	SELECTOR SWITCH
19	A-95807-000	1	LICENSE LIGHT
18	A-94394-000	1	KNOB
17	A-97517-003	1	POTENTIOMETER
16	A-71444-001	1	SWITCH (LAMP TEST)
15	A-71216-001	1	SWITCH(DPDT)
14	22423-000	2	#10 EXT. TOOTH LOCKWASHER
13	A-71215-001	1	PANEL LIGHT SWITCH
12	B-91286-007	1	5 AMP. CIRCUIT BREAKER
11	B-91286-000	1	15 AMP. CIRCUIT BREAKER
10	A-58166-006	1	RUNNING TIME METER
9	A-94400-002	1	EMERGENCY STOP SWITCH
8	A-98947-000	1	LIGHT CLUSTER CONNECTOR AND LEADS
7	B-98946-001	1	LIGHT CLUSTER
6	A-99268-000	1	D.C. VOLTMETER
5	A-99266-000	1	OIL PRESSURE GAUGE
4	A-99264-000	1	TEMPERATURE GAUGE
3	A-99210-002	1	SELECTOR SWITCH MOUNTING PLATE
2	B-95664-007	1	PREWIRING, SELECTOR SWITCH
1	B-99433-000	1	CONTROL PANEL
ITEM	PART NO	QTY.	DESCRIPTION

CIRCUIT BREAKER ASSEMBLY



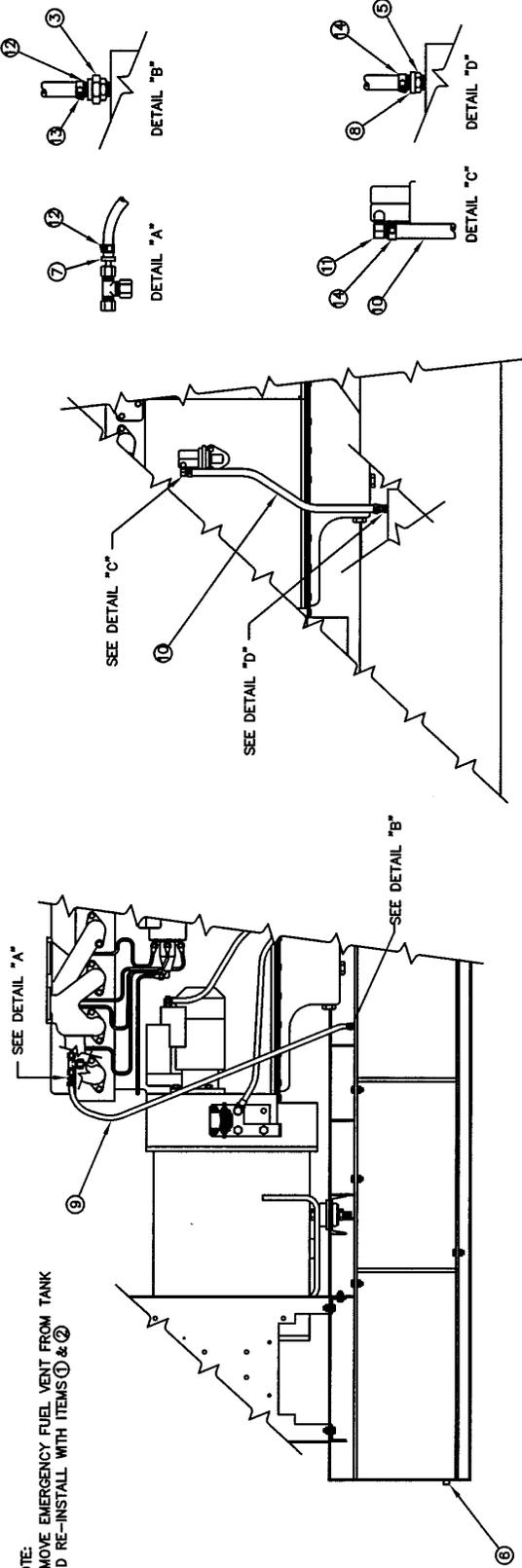
CIRCUIT BREAKER ASSEMBLY (CONTINUED)

36	A-43661-000	2.98FT	4 GA. LEAD WIRE (BLACK)
35	A-91535-000	.67FT	6 GA. LEAD WIRE (BLACK)
34	A-4155-000	1	LUG
33	B-48602-003	1	LUG
32	A-91320-003	3	LUG
31	A-91437-001	1	LUG
30	A-21486-000	1.5FT	12 GA. LEAD WIRE (WHITE)
29	A-64638-000	1.59FT	10 GA. LEAD WIRE (GREEN)
28	A-91815-000	5.25FT	14 GA. LEAD WIRE (BLACK)
27	21977-000	2	RHMS 8-32 X 2-1/4
26	4516-000	2	WASHER
25	394-000	2	NUT
24	22989-000	2	WASHER
23	7792-000	2	SCREW
22	A-91779-000	3.5FT	10 GA. LEAD WIRE (BLACK)
21	A-91778-000	1.00FT	12 GA. LEAD WIRE (BLACK)
20	A-91780-000	18.13FT	8 GA. LEAD WIRE (BLACK)
19	A-56927-000	3	GROMMET
18	439-000	1	HHCS 1/4-20 X 1
17	479-000	2	LOCKWASHER 1/4
16	638-000	2	HEX NUT 1/4 X 20
15	5113-000	8	HEX NUT #8-32
14	6376-000	8	LOCKWASHER #8
13	95832-000	6	RHMS #8-32 X 3 1/4
12	A-21698-001	12	BHSMS
11	46796-000	8	PHSMS
10	B-57030-001	1	CIRCUIT BREAKER 20 AMPS
9	B-57030-000	1	CIRCUIT BREAKER 50 AMPS
8	B-97753-007	1	TERMINAL BLOCK 3-POLE
7	B-97753-006	1	TERMINAL BLOCK 1-POLE
6	B-98103-002	1	STANDOFF
5	A-48042-000	1	GROUND LUG
4	A-27403-001	1	TERMINAL STRIP
3	B-81096-003	1	CIRCUIT BREAKER, 3 POLE-240 V. 150 AMP
2	B-81097-004	1	CIRCUIT BREAKER, 3 POLE-480 V.60 AMP.
1	B-99565-000	1	MOUNTING PLATE, CIRCUIT BREAKER
ITEM	PART NO	QUAN.	DESCRIPTION

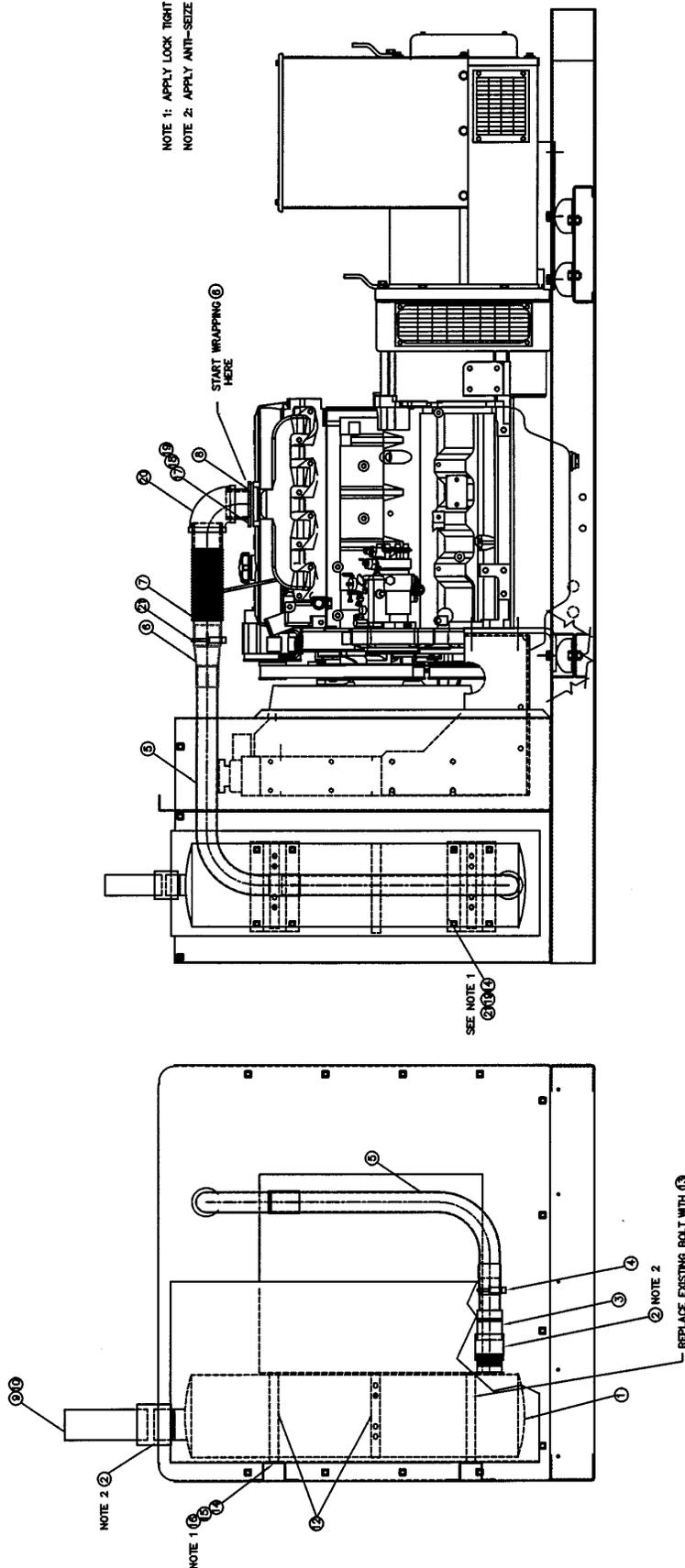
FUEL SYSTEM ASSEMBLY

ITEM	PART NO	QUAN.	DESCRIPTION	ITEM	PART NO	QUAN.	DESCRIPTION
13	91747-000	1	1/4-18 NPT TO 1/4 HOSE FITTING	14	81018-008	2	7/8 HOSE CLAMP
11	A-98918-000	1	FUEL FITTING INLET	12	81018-009	2	5/8 HOSE CLAMP
9	A-40078-014	1	1/4" I.D. HOSE	10	55505-007	1	3/8" I.D. HOSE
7	72300-003	1	FUEL FITTING RETURN	8	A-94319-007	1	3/8-18 MPT TO 3/8 HOSE FITTING
5	56372-000	1	REDUCER 3/8 X 1/2	6	93084-000	2	PIPE PLUG
3	93947-000	1	REDUCER 1/4 X 1/2	4			
1	A-81037-012	1	2" NPT X 8" NIPPLE	2	A-81739-002	1	2" COUPLER
ITEM	PART NO	QUAN.	DESCRIPTION	ITEM	PART NO	QUAN.	DESCRIPTION

NOTE:
REMOVE EMERGENCY FUEL VENT FROM TANK
AND RE-INSTALL WITH ITEMS ① & ②

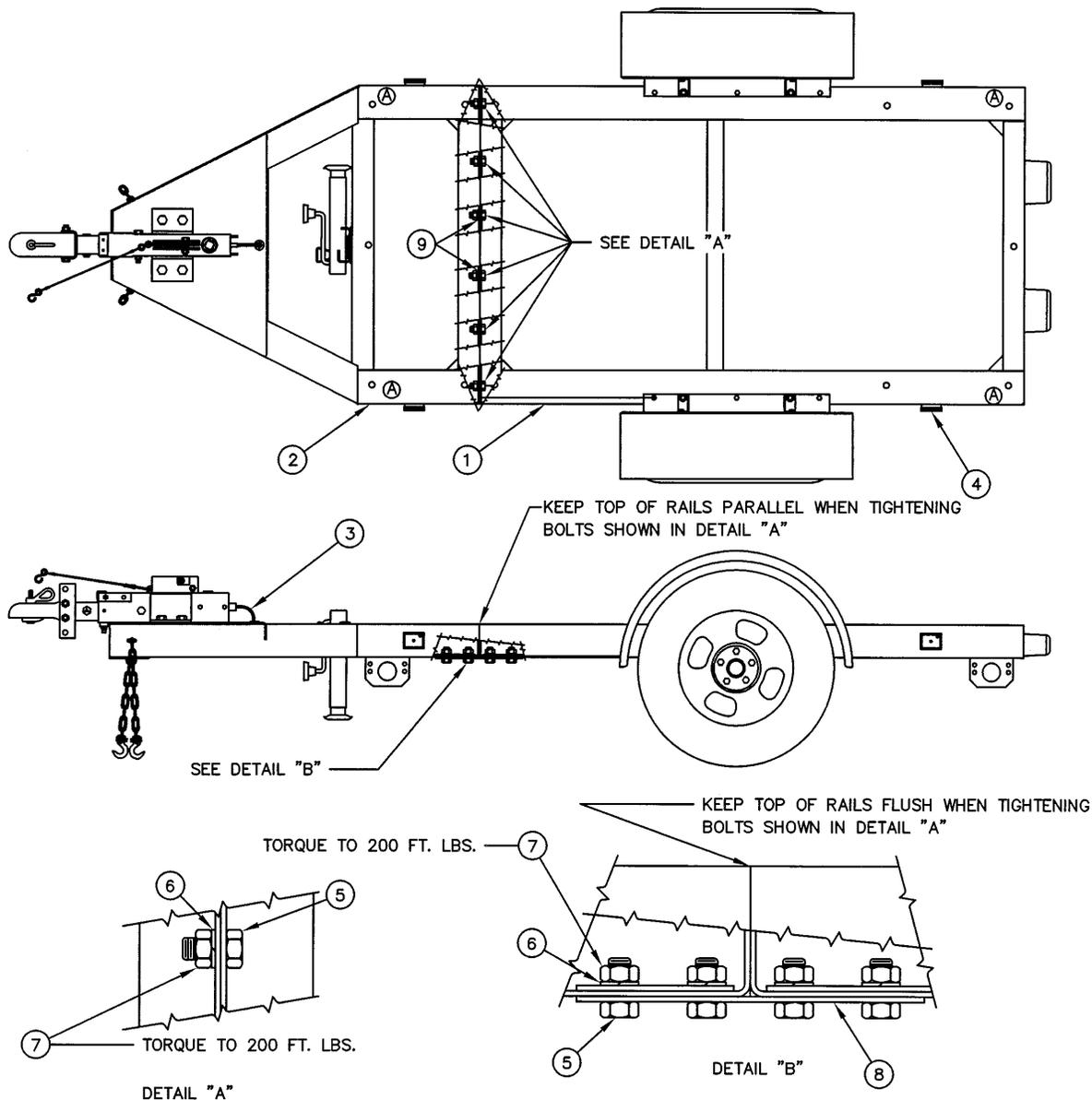


EXHAUST ASSEMBLY



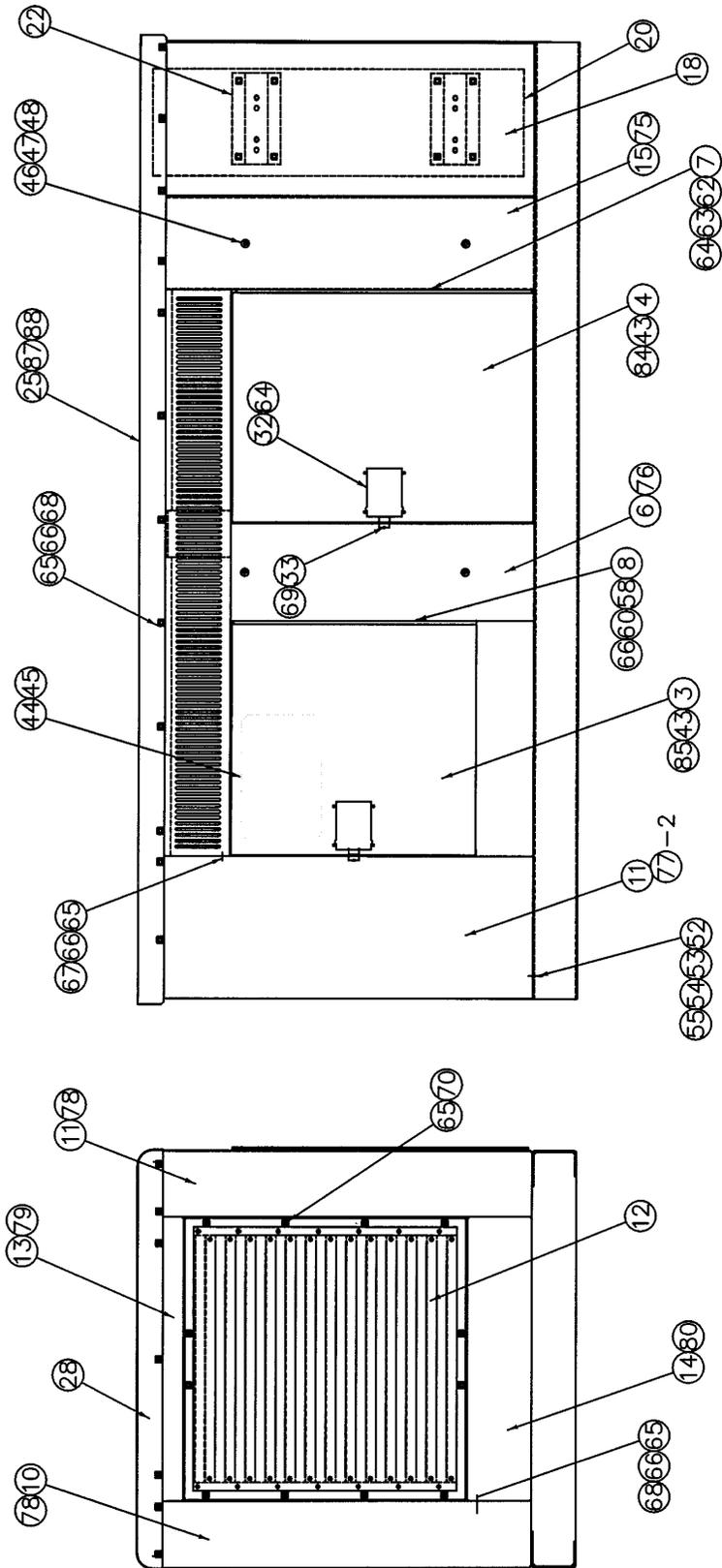
ITEM	PART NO	QUAN.	DESCRIPTION
11	A-97274-000	50'	HIGH TEMPERATURE TAPE
10	A-53111-004	1	RAIN CAP
9	A-81037-12	1	PIPE NIPPLE, 2" NPT X 8"
8	A-99600-001	1	EXHAUST PIPE & FLANGE
7	A-16016-003	1	FLEX TUBING, 2" x 12"
6	A-97759-005	1	REDUCER 2" I.D. X 2 1/2" O.D. X 6" LONG
5	A-99633-001	2	90° EXHAUST PIPE
4	A-93489-003	4	MUFFLER CLAMP, 2"
3	A-99499-002	1	THREADED ADAPTER
2	A-81739-002	2	PIPE COUPLING, 2" NPT
1	A-97409-707	1	MUFFLER
ITEM	PART NO	QUAN.	DESCRIPTION
21	A-93489-002	1	MUFFLER CLAMP 2 1/2"
20	92042-004	1	90° ELBOW FOR EXHAUST PIPE
19	92914-000	4	HEX NUT, 3/8 - 16
18	481-000	4	3/8 LOCK WASHER
17	91658-003	4	3/8 -16 X 1 1/2" HHCS
16	458-000	6	HEX NUT, 5/16-18
15	A-480-000	6	5/16 LOCK WASHER
14	467	6	5/16-18 X 3/4 HHCS
13	20667-000	3	HHCS 1/4-20 X 2"
12	B-93484-004	3	MOUNTING CLAMP
ITEM	PART NO	QUAN.	DESCRIPTION

TRAILER ASSEMBLY

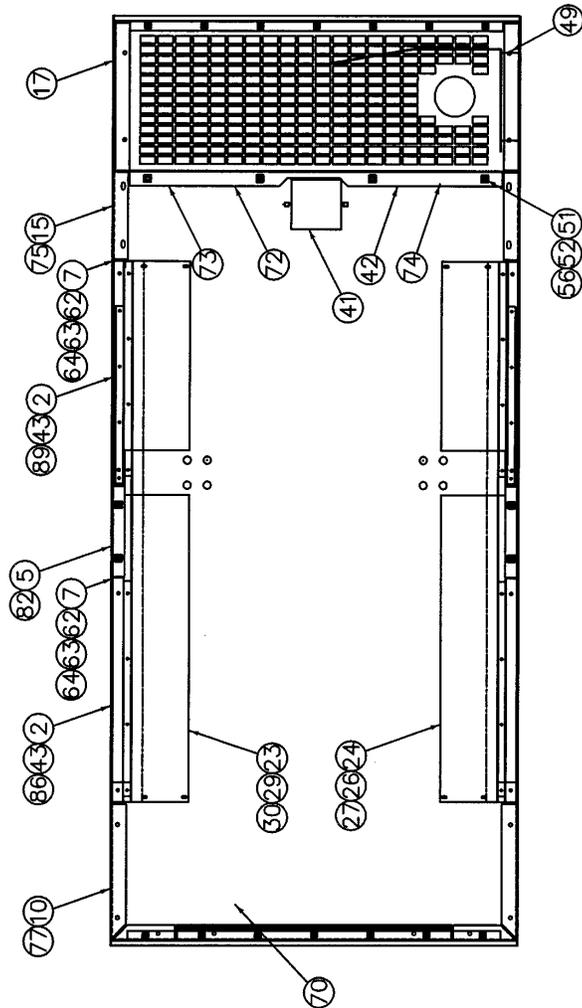
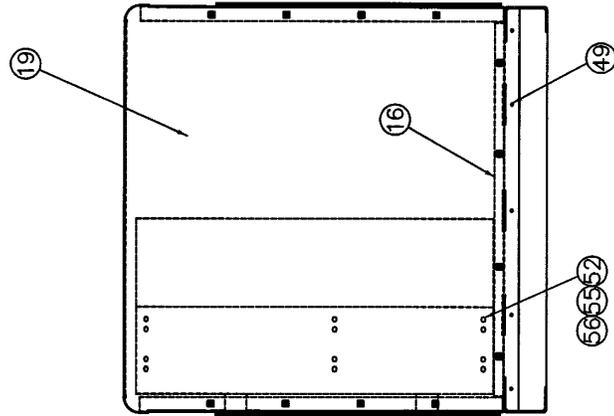


9	1178-000	2	FLAT WASHER, .760 I.D. X 1 3/8 O.D.
8	A-99607-001	2	TIE PLATE
7	A-93709-000	14	3/4-10 HEX NUT
6	A-93710-000	14	3/4 SPLIT LOCKWASHER
5	A-93711-001	14	3/4-10 X 1.50 HEX HEAD BOLT
4	B-97767-005	1	TRAILER LIGHTS INSTALLATION
3	B-99514-001	1	BRAKE LINE INSTALLATION
2	A-99602-002	1	TRAILER TONGUE ASSEMBLY
1	B-99602-001	1	TRAILER BASE ASSEMBLY
ITEM	PART NO	QUAN.	DESCRIPTION

HOUSING ASSEMBLY



HOUSING ASSEMBLY (CONTINUED)



HOUSING ASSEMBLY (CONTINUED)

50	A-21698-001	12	SCREW SELF TAP #10	
49	A-55440-000	25	SELP TAP 1/4-20	
48	47517-000	8	HEX LOCK NUT 1/4-20	
47	21253-000	8	RHMS 1/4-20 X 3/4	
46	61660-000	8	RUBBER FOOT	
45	A-95998-000	4 FT	DOUBLE FACE ACRYLIC TAPE	
44	A-96448-002	1	WINDOW PANEL	
43	A-62912-000	39 FT	STRIP (DOOR GASKET)	
42	A-92421-000	11.2FT	FOAM STRIP (2 PCS 25" & 3 PCS 28")	
41	A-62026-002	1	GENERATOR HOUSING COOLANT COVER	
40				
39				
38				
37				
36				
35				
34				
33	A-99243-000	4	STRIKER PLATE	
32	A-99269-000	4	LATCH	
31				
30	A-99408-006	1	END PANEL, SILL R.H.	
29	A-99408-005	1	END PANEL, SILL L.H.	
28	B-99408-004	1	HOUSING, ROOF END PANEL	
27	A-99408-003	1	END PANEL, SILL R.H.	
26	A-99408-002	1	END PANEL, SILL L.H.	
ITEM	PART NO	QUAN.	DESCRIPTION	
25	A-99206-002	1	ROOF	
24	A-99172-002	1	HOUSING, RIGHT VENTED DOOR SILL	
23	A-99172-001	1	HOUSING, LEFT VENTED DOOR SILL	
22	A-99622-000	2	MTG. BRKT., MUFFLER	
21				
20	A-99482-001	1	MUFFLER HEAD SHIELD	
19	A-99144-004	1	FRONT PANEL	
18	A-99143-003	1	PANEL R.H., AIR CHAMBER	
17	A-99143-002	1	PANEL L.H., AIR CHAMBER	
16	A-99143-001	1	AIR CHAMBER FLOOR CHANNEL	
15	B-99141-001	1	GENERATOR HOUSING RADIATOR BAFFLE	
14	A-99169-003	1	SILL, REAR BOTTOM	
13	A-99169-002	1	REAR SILL, TOP	
12	A-99632-000	1	ASSEMBLY, DOOR	
11	A-99167-003	1	HOUSING, RIGHT REAR CORNER POST	
10	A-99167-002	1	HOUSING, LEFT REAR CORNER POST	
9				
8	C-99240-001	1	HINGE	
7	A-99240-000	3	HINGE	
6	A-99171-003	1	HOUSING, RIGHT CENTER POST	
5	B-99171-002	1	HOUSING, LEFT CENTER POST	
4	A-99207-004	1	SIDE DOOR	
3	A-99207-003	1	SIDE DOOR	
2	B-99207-000	2	SIDE DOOR	
1				
ITEM	PART NO	QUAN.	DESCRIPTION	PART NO

HOUSING ASSEMBLY (CONTINUED)

89	B-99641-018	REF.	FOAM
88	B-99641-019	REF.	FOAM
87	B-99641-016	REF.	FOAM
86	B-99641-015	REF.	FOAM
85	B-99641-014	REF.	FOAM
84	B-99641-013	REF.	FOAM
83	B-99641-012	REF.	FOAM
82	B-99641-011	REF.	FOAM
81	B-99641-010	REF.	FOAM
80	B-99641-009	REF.	FOAM
79	B-99641-008	REF.	FOAM
78	B-99641-007	REF.	FOAM
77	B-99641-006	REF.	FOAM
76	B-99641-005	REF.	FOAM
ITEM	PART NO	QUAN.	DESCRIPTION

75	B-99641-010	REF.	FOAM
74	B-99641-020	REF.	FOAM
73	B-99641-012	REF.	FOAM
72	B-99641-021	REF.	FOAM
71	B-99641-030	1	FOAM KIT
70	B-99641-017	REF.	FOAM
69			
68	463-000	92	HHCS 1/4-20 x 1/2
67	476-000	8	HHCS 1/4-20 x 5/8
66	479-000	100	LOCK WASHER 1/4
65	A-92495-000	112	NUT RETAINER 1/4-20
64	5315-000	57	ELASTIC STOP NUT 10-24
63	598-000	41	LOCK WASHER #10
62	A-92926-001	41	SCREW #10-24 X 1/2
61			
60			
59			
58			
57			
56	467-000	10	HHCS 5/16-18 X 3/4
55	458-000	27	HEX NUT 5/16-18
54	526-000	17	FL. WASHER 5/16
53	465-000	21	HHCS 5/16-18 X 7/8
52	480-000	31	LOCKWASHER 5/16
51	A-92419-000	4	NUT RETAINER 5/16-18
ITEM	PART NO	QUAN.	DESCRIPTION

WIRING DIAGRAM (CONTINUED)

