

Parts Manual

Weld-Deck welding package CPW 125-4

S/N CA00600021 - UP

TO BE USED IN CONJUNCTION WITH
CUMMINS PARTS CATALOG 6BT5.9-G5/G6

**VANGUARD EQUIPMENT, INC.
15627 EAST PINE STREET
TULSA, OKLAHOMA
74116, USA**

 : **918.437.1796**

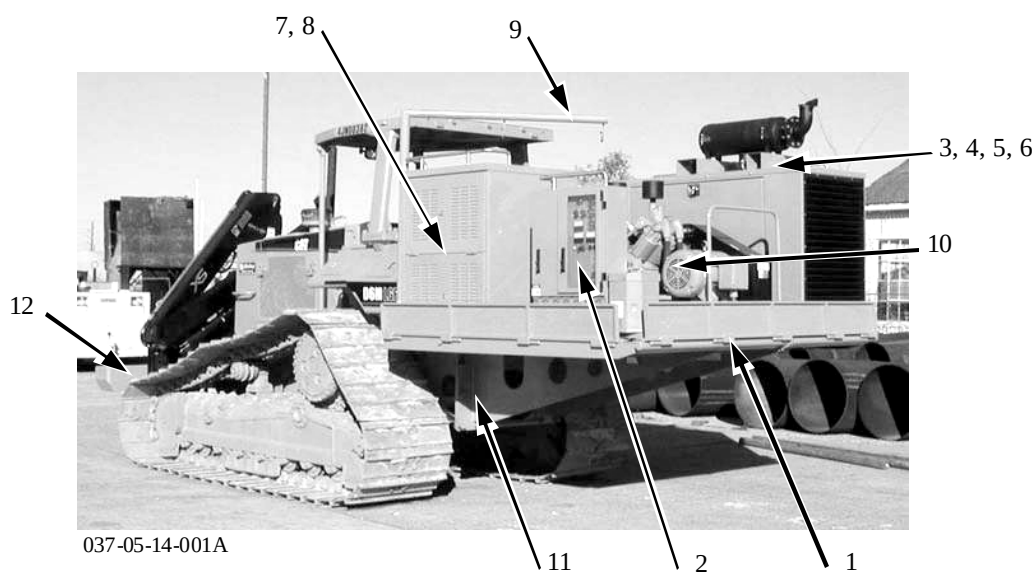
 : **918.437.1794**

Table of Contents

VEI CPW 125-4 WELD-DECK	1
OPT – TRACTOR CONNECTION MODULE.....	2
GP - CONNECTION KIT, 572.....	2
GP - FUEL LINE HOOKUP, 572	3
AS – WELD-DECK MOUNTING KIT, 572.....	4
GP - CONNECTION KIT, D6M/D6N.....	5
AS - LEFT HAND BRIDGING CATWALK	6
AS - RIGHT HAND BRIDGING CATWALK	6
GP - FUEL LINE HOOKUP, D6M/D6N	7
GP – WELD-DECK MOUNTING KIT, D6N/D6M	8
GP - CONNECTION KIT CAT, D6D & 571.....	9
GP - FUEL LINE HOOKUP, D6D & 571	9
GP – ZIPPER PLT, D6D & 571	10
GP – CONNECTION KIT CAT 572R.....	11
GP - FUEL LINE HOOKUP, 572R.....	12
GP – ZIPPER PLATE 572R	13
OPT – MISCELLANEOUS TRACTOR EQUIPMENT.....	14
GP - CRANEHYD PUMP	15
GP – WELD-DECK.....	16
AS – SHIP LEG	17
AS - REAR DECK ACCESS WAYS	18
GP - WELDER DOGHOUSE.....	19
AS - DOGHOUSE DECK MOUNT, STABILIZER ISOLATOR.....	20
AS-WELDER BOX.....	22
AS – BOX MTD. WHEEL BRACKET - RH.....	24
DOOR ASSEMBLY	25
AS – DOOR MTD WHEEL BRACKET - RH	26
AS – DOOR MTD WHEEL BRACKET - LH.....	27
GP - GENSET ENCLOSURE.....	28
AS – VANGUARD GENERATOR ENCLOSURE	29
AS – ENCLOSURE	30
AS – ACCESS DOOR-LEFT - SUBASSEMBLY	32
AS – ACCESS DOOR-RIGHT - SUBASSEMBLY	33
AS – RAD SEALING LIP PLATE ASSEMBLY	34
AS – SERVICE PANEL SUBASSEMBLY	35
OPT – FRONT PLATFORM MODULE.....	36
AS – FRONT PLATFORM D6M/N	36
AS – BOTTLE RACK 8X.....	37
GP – TOOLBOX, FRONT FRAME MOUNT	38
AS – CRANE INSTALLATION D6M/N	39
AS - WELDER HIAB CRANE HOSE CHART	40
AS – FITTINGS CRANE CONTROL INSTALLATION D6M/N.....	41
AS – CRANE CONTROL INSTALLATION D6M/N	42
AS – CRANE CONTROL TIE-DOWN FRONT CRANE INSTALLATION D6M/N.....	43
AS – WHOSER POLE.....	44
OPT - WELDER POWER UNIT.....	45
GP – WIRING WELDER, MILLER 456 WELDER (SINGLE)	45
GP – GENSET	46
GP – G-DR ENG W/ETHER START, W/ HYD PUMP DR.....	47

GP - FITTINGS, PUMP DRIVE ADAPTER, WELD DECK	48
AS - GENSET DETAILS, WELD DECK.....	50
GP – GENSET GP - G-DR ENG W/ETHER START	54
AS - HYD PUMP DRIVE ADAPTER – UPGRADE KIT	55
GP – DECALS, WELD DECK, GENSET	56
GP - WIRING, GENSET	60
GP - WIRING, 24VDC ENGINE CONTROLS, WELD DECK.....	62
GP - HOSES, GENSET	65
GP - FITTINGS, GENSET	66
GP - RADIATOR	68
GP - HOSES, RADIATOR	69
GP - FITTINGS, RADIATOR	70
GP - AIR CLEANER GENSET	72
GP - ETHER START GENSET	74
AS - SOLENOID – RUN/IDLE	75
GP – SILENCER, INDUSTRIAL.....	76
GP - GENSET ROLL CONTROL.....	77
OPT – COMPRESSED AIR MODULE	78
GP - AIR COMPRESSOR.....	79
GP - AIR COMPRESSOR, 30 HP 60 HZ 460Y 250PSI	79
GP - AIR COMPRESSOR, 20 HP 60 HZ 460Y 250PSI	79
GP - AIR COMPRESSOR, 25 HP 60 HZ 460Y 250PSI	79
GP - WIRING, COMPRESSOR.....	80
GP - HOSE, AIR COMPRESSOR	81
GP - FITTINGS, AIR COMPRESSOR, WELDER.....	82
AS - COMPRESSOR INSTALLATION	83
GP - AIR RECEIVER.....	84
GP – FITTINGS, AIR RECEIVER	85
OPT – AIR ON DEMAND SWITCH (PS1)	87
OPT – CONTROL/DISTRIBUTION CENTER, WELD-DECK	89
GP - CONTROL/DISTRIBUTION CENTER, 120V/240V/480V 60 Hz	90
AS – TRANSFORMER, 15KVA, 120V/240V/480V 60 Hz.....	91
AS – TRANSFORMER, 120V/240V/480V 60 Hz	92
AS – CONTROL/DISTRIBUTION CTR, WELD-DECK 120V/240V/408V 60 HZ	93
AS – POWER PLUG & CONTROL COMPONENTS - OPERATOR – MKIII-2	94
AS –POWER PLUG & CONTROL COMPONENTS - ELECTRICAL– MKIII-2	96
AS –POWER PLUG & CONTROL COMPONENTS-WELD-DECK SUPPLY-MKIII-2.....	98
AS – ENCLOSURE – 2ENC094 – MKIII-2	99
MASTER HOSE CHART	114
APPENDIX A.....	116
APPENDIX B	120
APPENDIX C	130
ASSEMBLY PART NUMBER INDEX	140

VEI CPW 125-4 WELD-DECK	037-05-001
-------------------------	------------



ITEM 13 NOT SHOWN

ITEM	QTY	PART NO	DESCRIPTION
1	1	037-10-001	GP – WELD-DECK
2	*1	037-63-001	OPT - CONTROL/DISTRIBUTION CENTER
3	1	037-11-003	GP - GENSET ENCLOSURE
4	*1	037-50-001	GP – GENSET
5	1	037-50-015	GP - INDUSTRIAL SILENCER
6	1	037-50-042	GP - GENSET ROLL CONTROL
7	*4	037-35-001	OPT - WELDER POWER UNIT
8	1	037-11-001	GP - WELDER DOGHOUSE
9	1	037-20-001	AS - WHOSER POLE
10	*1	037-55-001	OPT - COMPRESSED AIR MODULE
11	*1	037-05-002	OPT - TRACTOR CONNECTION MODULE
12	*1	037-15-001	OPT – FRONT PLATFORM MODULE
13	*1	037-05-004	OPT – MISCELLANEOUS TRACTOR

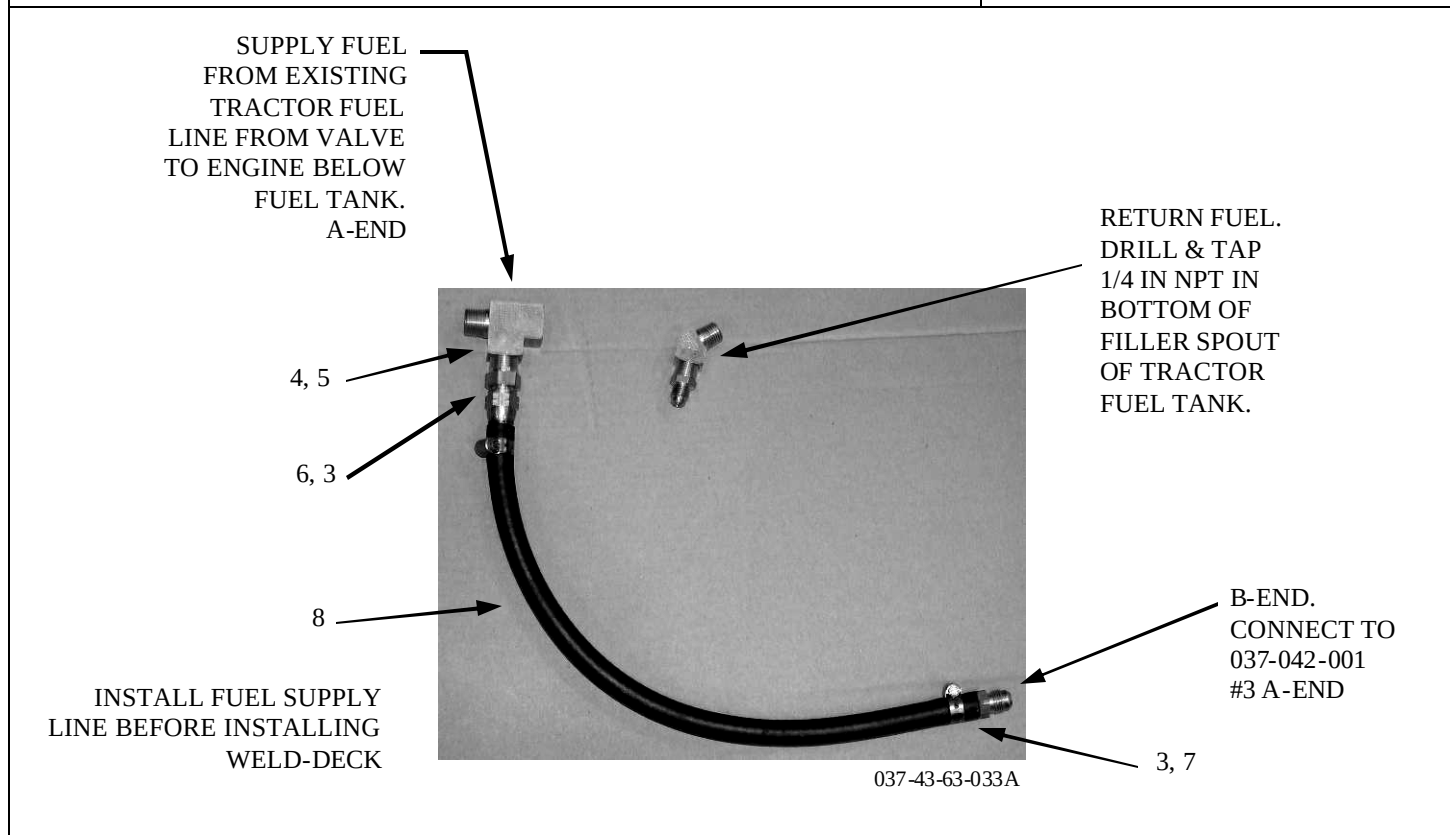
* SELECT FROM AVAILABLE OPTIONS

OPT – TRACTOR CONNECTION MODULE			037-05-002
ITEM	QTY	PART NO	DESCRIPTION
1	*1	037-05-017	GP - CONNECTION KIT, 572
2	*1	037-05-018	GP - CONNECTION KIT, D6M
3	*1	037-05-031	GP - CONNECTION KIT, D6D & 571
4	*1	037-05-032	GP - CONNECTION KIT, 572R

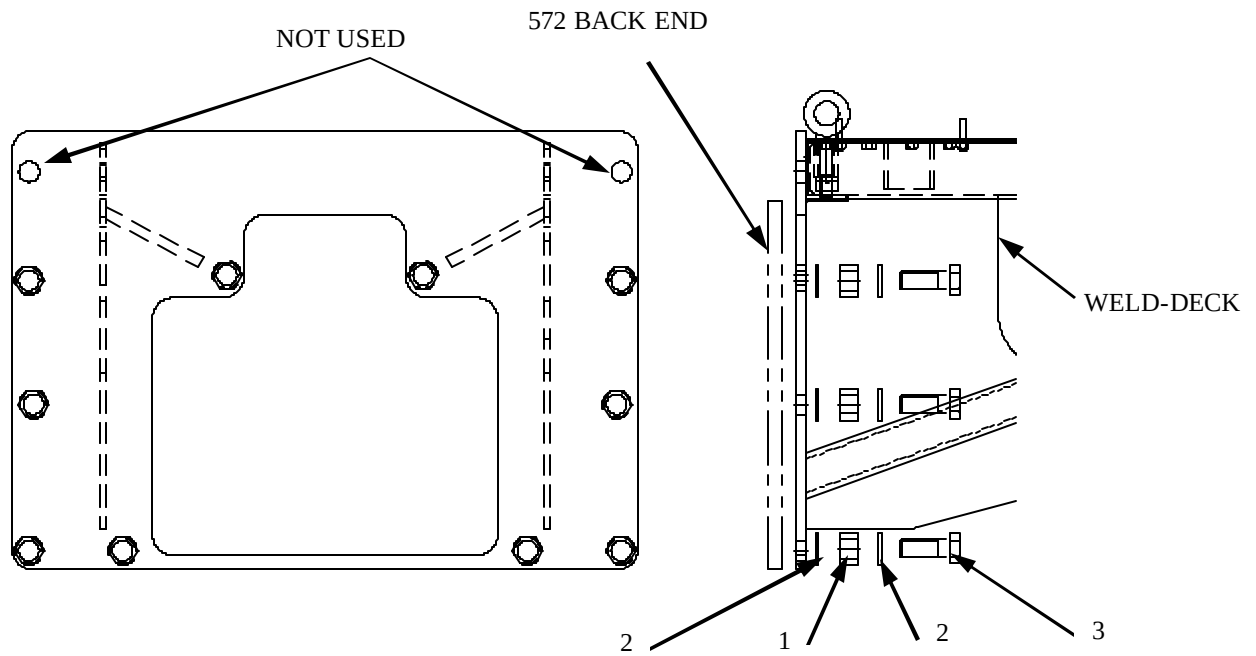
* OPTIONAL: IF REQUIRED, SELECT ONE ITEM ONLY FROM THE LIST SHOWN

GP - CONNECTION KIT, 572			037-05-017
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-71-013	AS - WELD-DECK MOUNTING KIT, 572
2	1	037-71-003	GP - FUEL LINE HOOKUP, 572

GP - FUEL LINE HOOKUP, 572	037-71-003
-----------------------------------	------------

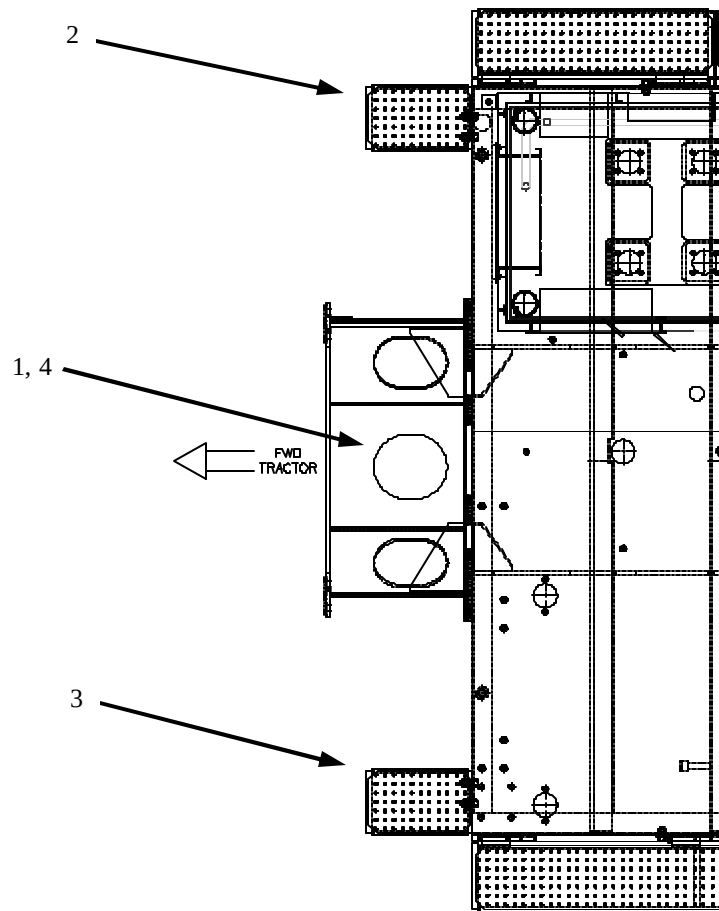


ITEM	QTY	PART NO	DESCRIPTION
1	1	PARK# 2214P-4-4	BRASS 45 DEG STREET ELBOW NPT 1/4
2	1	PARK# 48F-4-4	BRASS ADAPTER MSAE #4 -M NPT 1/4 IN
3	2	PARK# MH4	HOSE CLAMP
4	1	PARK# 2225P-8	BRASS RUN TEE NPT 1/2 IN
5	1	PARK# 6-8FTXB	BRASS ADAPTER M JIC #6- M NPT 1/2
6	1	PARK# BHB3145-6-6	BRASS JIC FMS #6 - 3/8" HOSE BARB
7	1	PARK# BHB3146-6-6	BRASS JIC -6 M - 3/8 HOSE BARB
8	16 IN	GTS# 27004	HOSE, FUEL 3/8 "



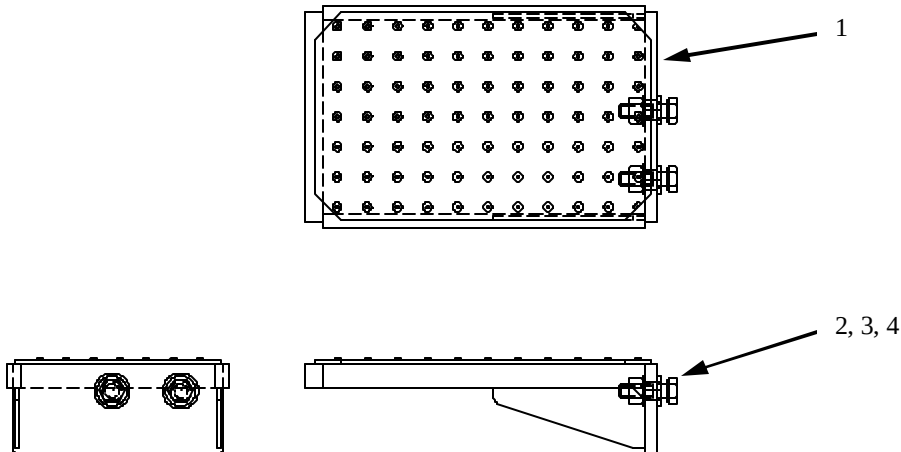
TORQUE ITM #3 TO 1325 ± 150 lb-ft (1800 ± 200 Nm)

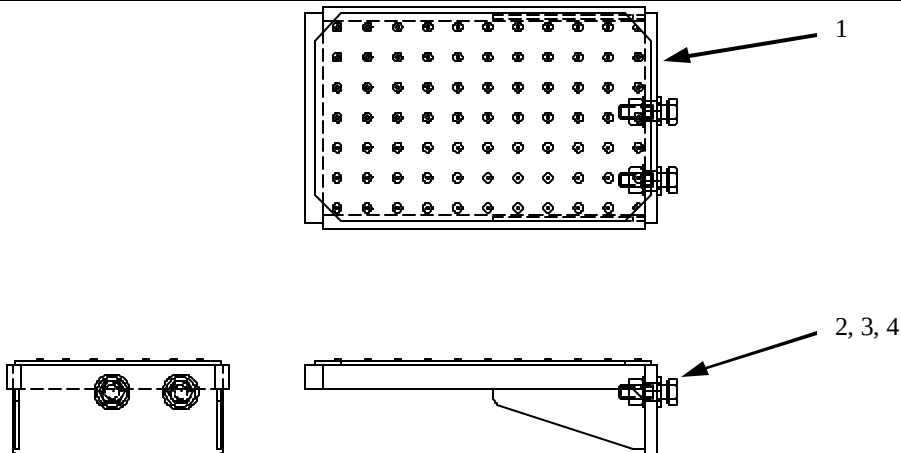
ITEM	QTY	PART NO	DESCRIPTION
1	10	037-71-028	TUBE - MOUNTING SPACER
2	20	CAT# 7X-0533	WASHER, FLAT HARD PLATED 1 ¼ IN
3	10	CAT# 7X-0427	HEX HD BOLT 1 1/4-7NC X 3 ½ LNG PLATED



ITEM 4 NOT SHOWN

ITEM	QTY	PART NO	DESCRIPTION
1	1	037-71-010	AS - ZIPPER PLT D6N/D6M
2	1	037-14-066	AS - RIGHT HAND BRIDGING CATWALK
3	1	037-14-057	AS - LEFT HAND BRIDGING CATWALK
4	1	037-71-002	GP - FUEL LINE HOOKUP, D6M/N

AS - LEFT HAND BRIDGING CATWALK			037-14-057
			
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-14-058	AS - BRIDGING CATWALK LEFT HAND
2	2	CAT# 7T-0346	5/8-11 UNC x 2 LNG HX HD PLATED BOLT
3	2	CAT# 3K-2889	5/8-11 HARD PLATED NUT SELF-LOCKING
4	4	CAT# 8T-4122	5/8 WASHER HARD PLATED

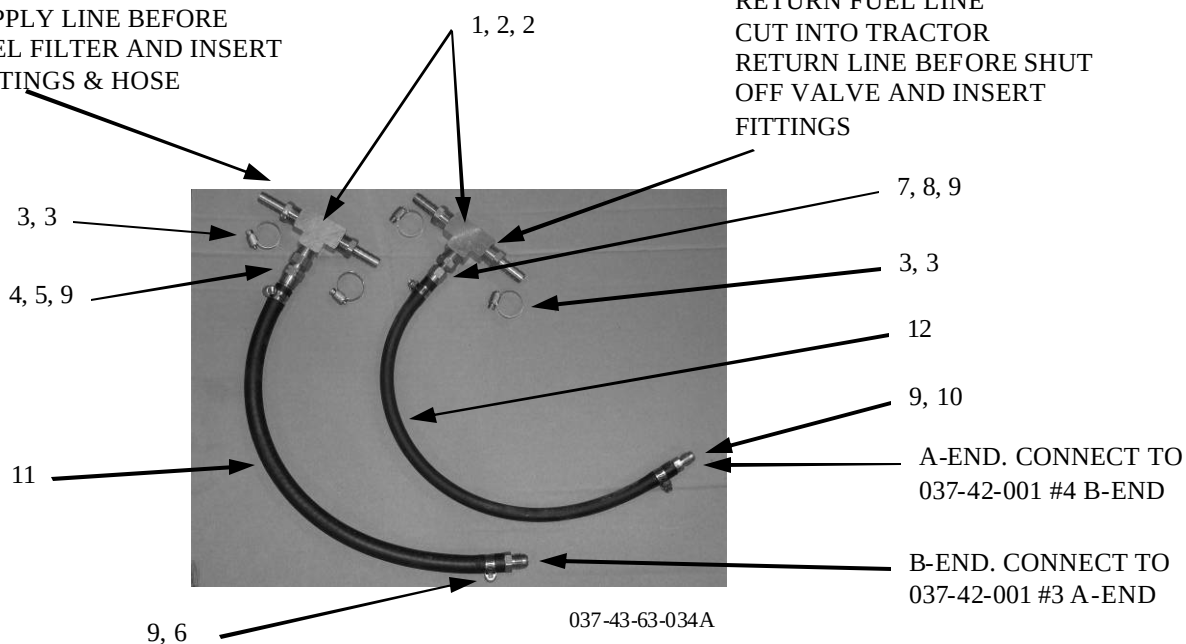
AS - RIGHT HAND BRIDGING CATWALK			037-14-066
			
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-14-065	AS - BRIDGING CATWALK RIGHT HAND
2	2	CAT# 7T-0346	5/8-11 UNC x 2 LNG HX HD PLATED BOLT
3	2	CAT# 3K-2889	5/8-11 HARD PLATED NUT SELF-LOCKING
4	4	CAT# 8T-4122	5/8 WASHER HARD PLATED

GP - FUEL LINE HOOKUP, D6M/D6N	037-71-002
---------------------------------------	------------

INSTALL JUMPER
LINES BEFORE
INSTALLING
ZIPPER PLATE
AND WELD DECK

SUPPLY FUEL LINE
CUT INTO TRACTOR
SUPPLY LINE BEFORE
FUEL FILTER AND INSERT
FITTINGS & HOSE

RETURN FUEL LINE
CUT INTO TRACTOR
RETURN LINE BEFORE SHUT
OFF VALVE AND INSERT
FITTINGS



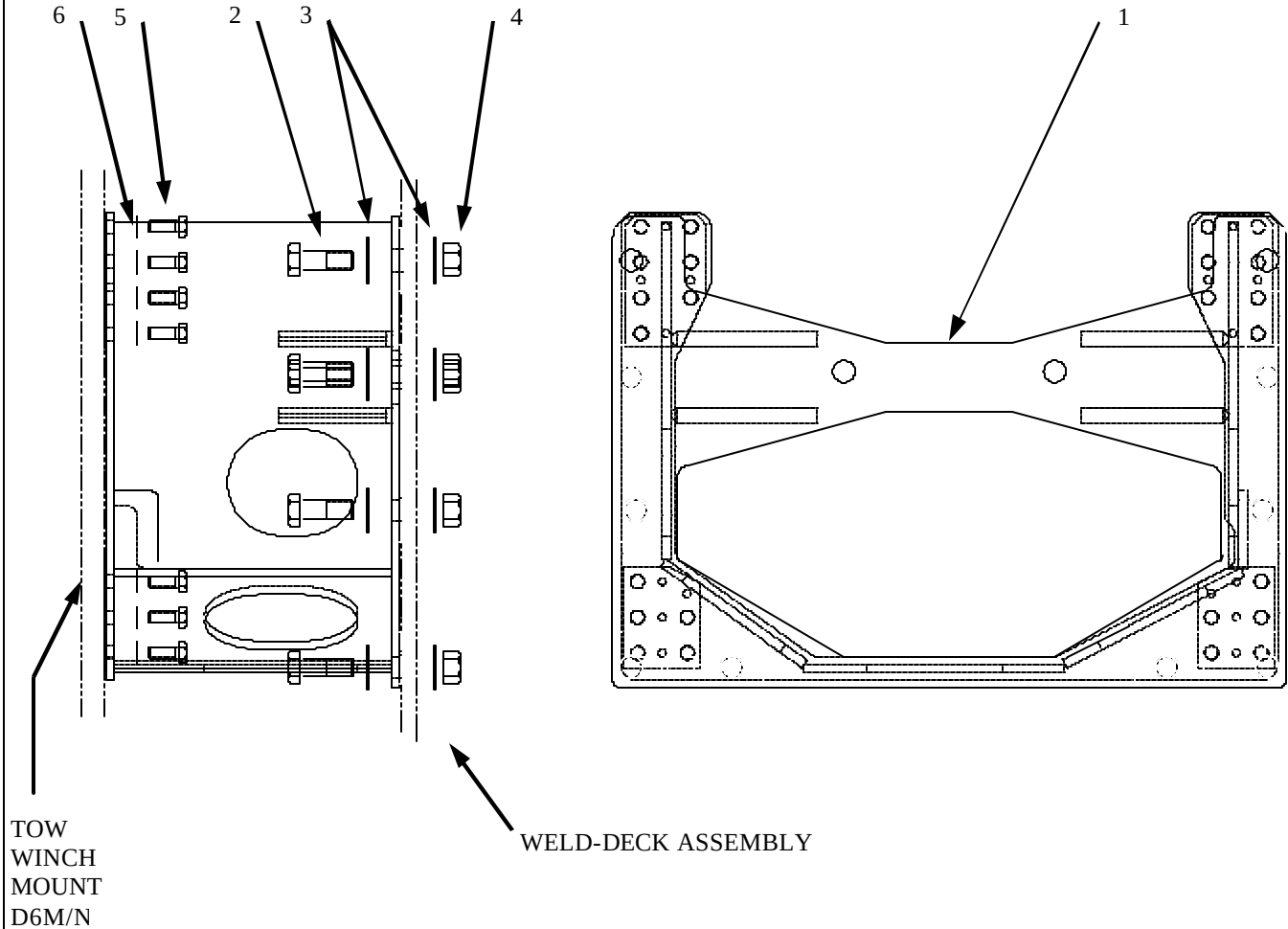
ITEM	QTY	PART NO	DESCRIPTION
1	2	PARK# 2203P-6	BRASS TEE FM 3/8"NPT
2	4	PARK# 125HBL-6-6	BRASS FITTING NPT 3/8" - 3/8 HOSE
3	4	PARK# MH6	CLAMP HOSE
4	1	PARK# 6-6-FTXB	BRASS ADAPTER M JIC #6 - M NPT 3/8"
5	1	PARK# BHB3145-6-6	BRASS JIC FMS -6 - 3/8" HOSE BARB
6	1	PARK# BHB3146-6-6	BRASS JIC M-6 - 3/8" HOSE BARB
7	1	PARK# 48F-4-6	BRASS ADAPTER M SAE -4 - M NPT 3/8"
8	1	PARK# 146-HBLFSV-4-4	BRASS FMS SAE -4 - 1/4" HOSE BARB
9	4	PARK# MH4	CLAMP HOSE
10	1	PARK# BHB3146-4-4	BRASS M SAE -4 - 1/4" HOSE BARB
11	16 IN	GTS# 27004	HOSE, FUEL 3/8"
12	16 IN	GTS# 27002	HOSE, FUEL 1/4"

GP – WELD-DECK MOUNTING KIT, D6N/D6M

037-71-010

TORQUE ITM #2 TO 1325 ± 150 lb-ft (1800 ± 200 Nm)

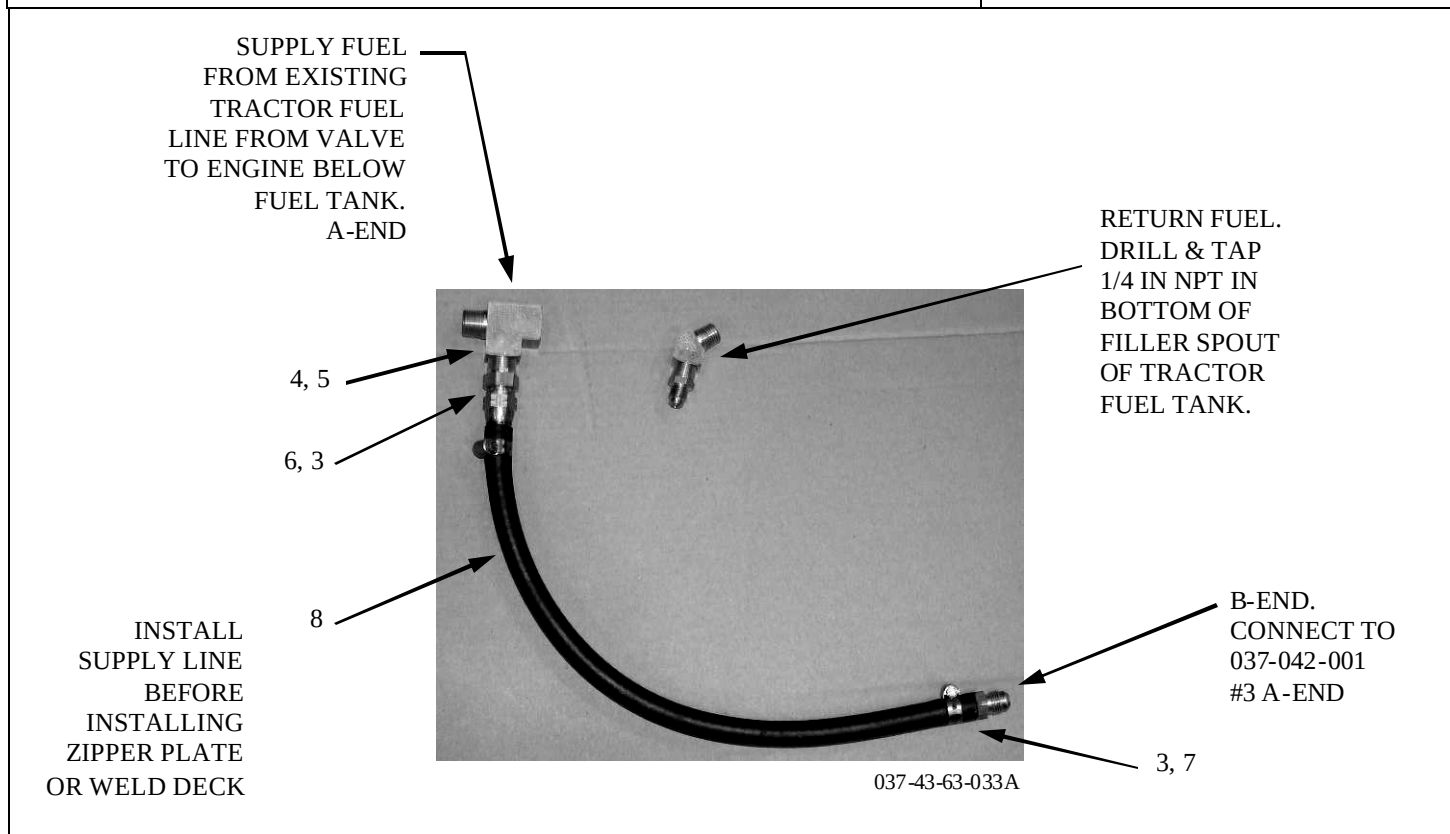
TORQUE ITM #5 TO 340 ± 44 lb-ft (460 ± 60 Nm)



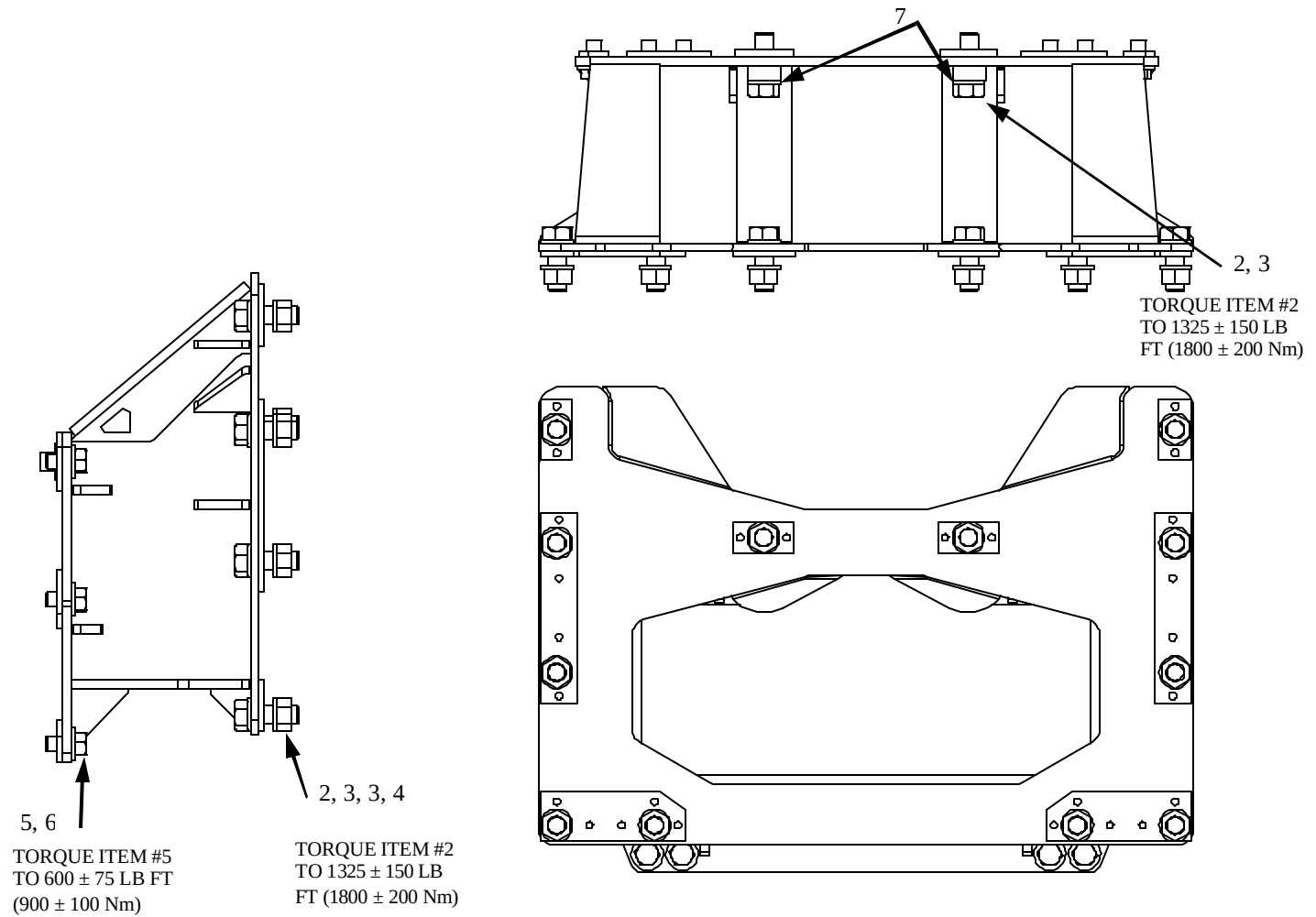
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-71-011	AS - ZIPPER PLT D6N/D6M
2	12	CAT# 7X-0427	HEX HD BOLT , PLATED 1 1/4-7NC X 3 1/2 LNG
3	24	CAT# 7X-0533	WASHER, FLAT HARD, PLATED 1 1/4 IN
4	12	CAT# 7X-0451	NUT 1 1/4-7NC HARD PLATED
5	24	CAT# 8T-6430	HEX HD BOLT , PLATED M20 X 2.50 X 50MM LNG
6	24	CAT# 8T-4123	WASHER, FLAT HARD, PLATED 20MM

GP - CONNECTION KIT CAT, D6D & 571			037-05-031
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-71-030	GP - ZIPPER PLT D6D & 571
2	1	037-71-004	GP - FUEL LINE HOOKUP D6D & 571

GP - FUEL LINE HOOKUP, D6D & 571	037-71-004
----------------------------------	------------



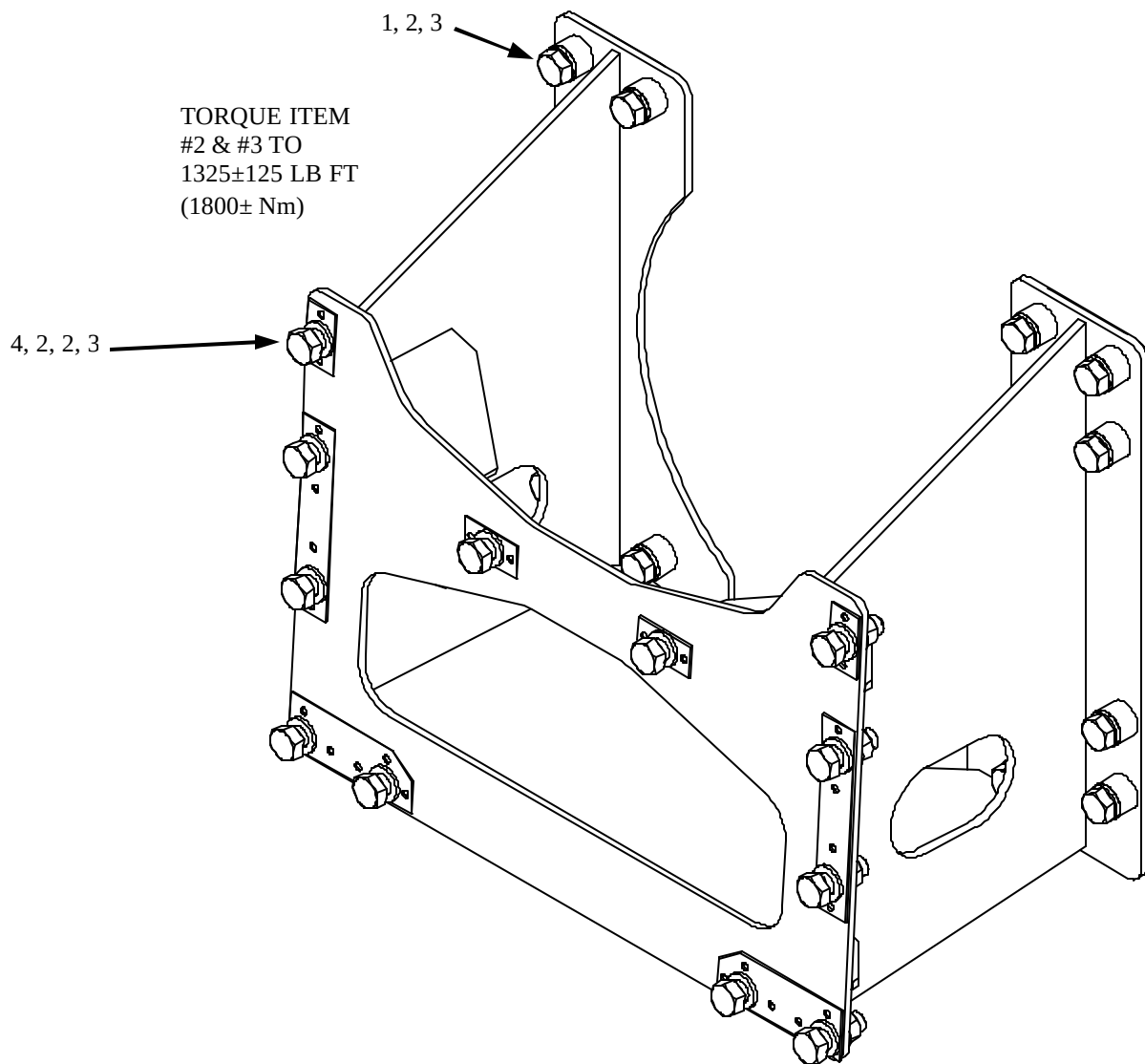
ITEM	QTY	PART NO	DESCRIPTION
1	1	PARK# 2214P-4-4	BRASS 45 DEG STREET ELBOW NPT 1/4
2	1	PARK# 48F-4-4	BRASS ADAPTER M SAE #4 -M NPT 1/4 IN
3	2	PARK# MH4	HOSE CLAMP
4	1	PARK# 2225P-6	BRASS RUN TEE NPT 3/8"
5	1	PARK#6-6-FTXB	BRASS ADAPTER M JIC #6- M NPT 3/8
6	1	PARK# BHB3145-6-6	BRASS JIC FMS #6 - 3/8" HOSE BARB
7	1	PARK# BHB3146-6-6	BRASS JIC -6 M - 3/8 HOSE BARB
8	16 IN	GTS# 27004	HOSE, FUEL 3/8 "



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-71-031	AS - ZIPPER PLT D6D & 571 MACHINING
2	14	CAT# 7X-0427	HEX HEAD BOLT, PLATED 1-1/4-7NC X 3 1/2
3	26	CAT# 7X-0533	WASHER, FLAT HARD, PLATED 1-1/4-IN
4	12	CAT# 7X-0451	NUT 1-1/4-7NC HARD, PLATED
5	8	CAT# 7X-0402	HEX HEAD BOLT 1-8NC x 2
6	8	CAT# 8T-5361	WASHER, FLAT HARD, PLATED 1-1/4-IN
7	2	037-07-027	TUBE, SPACER

GP – CONNECTION KIT CAT 572R			037-05-032
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-71-045	GP - ZIPPER PLT 572R
2	1	037-71-005	GP - FUEL LINE HOOKUP 572R

GP - FUEL LINE HOOKUP, 572R			037-71-005
ITEM	QTY	PART NO	DESCRIPTION
1	22"	GTS# 27006	HOSE FUEL 1/2" SUPPLY
2	9"	GTS# 27006	HOSE FUEL 1/2" SUPPLY
3	4	PARK# MH6	CLAMP HOSE
4	2	PARK# 125HBL-8-8	BRASS 1/2" NPT M - 1/2" HOSE BARB
5	1	PARK# 2203P-8	BRASS TEE 1/2" NPT FEMALE
6	1	PARK# 6-8FTXB	BRASS ADAPTER 1/2 NPT M - #6-FMS
7	2	PARK# 125HBL-4-4	1/4" NPT M - 1/4" HOSE BARB
8	8	PARK# MH4	CLAMP HOSE
9	1	PARK# 2203P4	BRASS TEE 1/4 NPT FEMALE
10	1	PARK# 48F-4-4	BRASS ADAPTER 1/4" NPT - #4 SAE M
11	6"	GTS# 27002	HOSE FUEL 1/4" RETURN
12	3"	GTS# 27002	HOSE FUEL 1/4" RETURN
13	2	PARK# BHB3146-6-6	BRASS JIC M#6 -3/8 HOSE BARB
14	8	PARK# BHB3145-6-6	BRASS JIC FMS #6 - 3/8 HOSE BARB
15	1	PARK# 146HBLFSV-4-4	BRASS SAE FMS #4 - 1/4" HOSE BARB
16	1	PARK# BHB3146-4-4	BRASS JIC M #4 - 1/4" HOSE BARB
17	16"	GTS# 27004	HOSE FUEL 3/8"
18	16"	GTS# 27002	HOSE FUEL 1/4"



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-71-046	AS-ZIPPER PLT D7R MACHINING
2	36	CAT# 7X-0533	1-1/4 WASHER / FLAT Z.D. PLATED / HDND
3	24	CAT #7X-0427	1-1/4 BOLT 3-1/2 LG / HEX HEAD / UNC / Z.D.PLATED
4	12	CAT # 7X-0451	1- 1/4 NUT / UNC / Z.D. PLA TED / HDND



037-05-15-014A

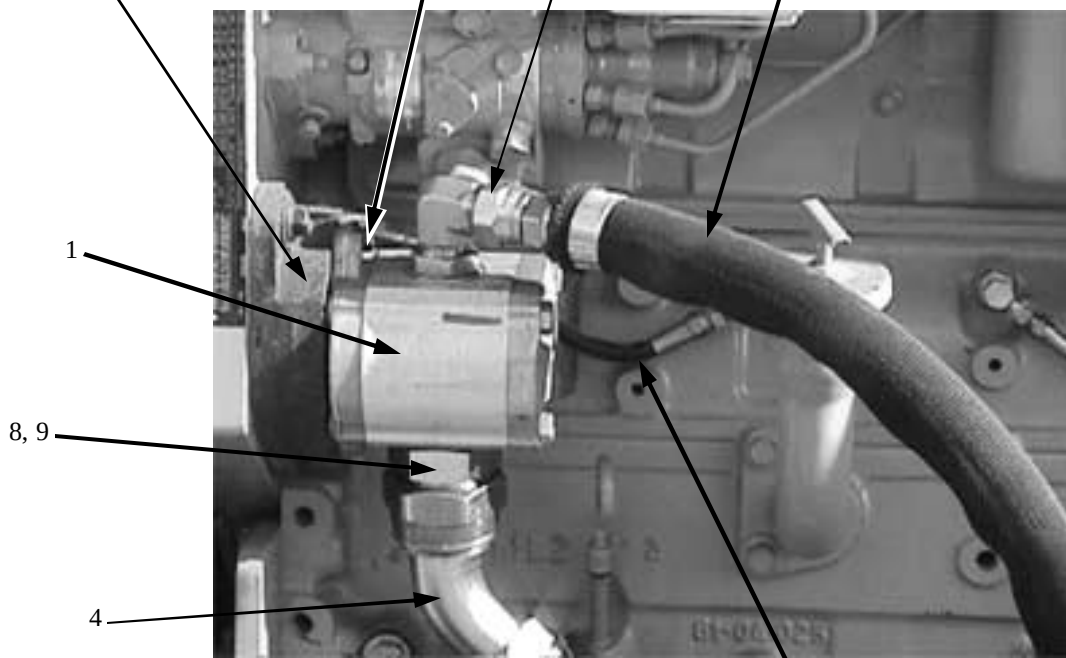
ITEM	QTY	PART NO	DESCRIPTION
1*	1	037-63-050	GP – CANOPY MIRRORS
2*	1	037-60-001	AS – HYD CRANE PUMP

*SELECT FROM AVAILABLE OPTIONS

GP - CRANE HYD PUMP

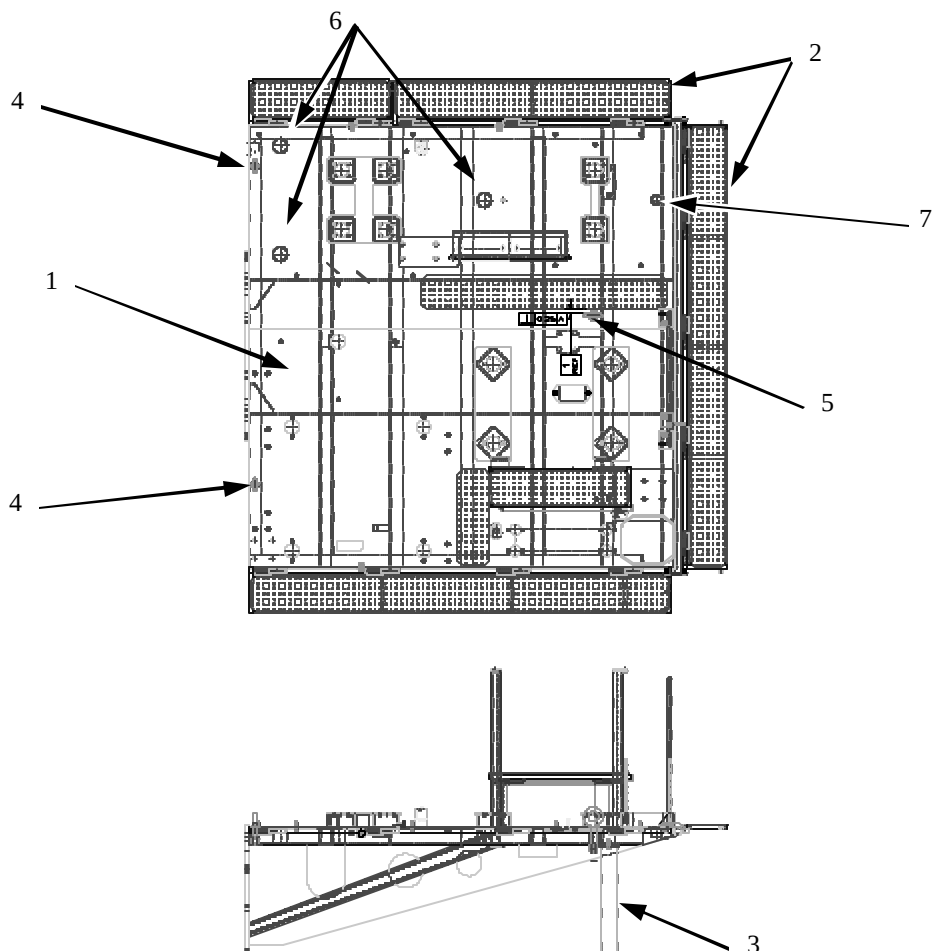
037-60-001

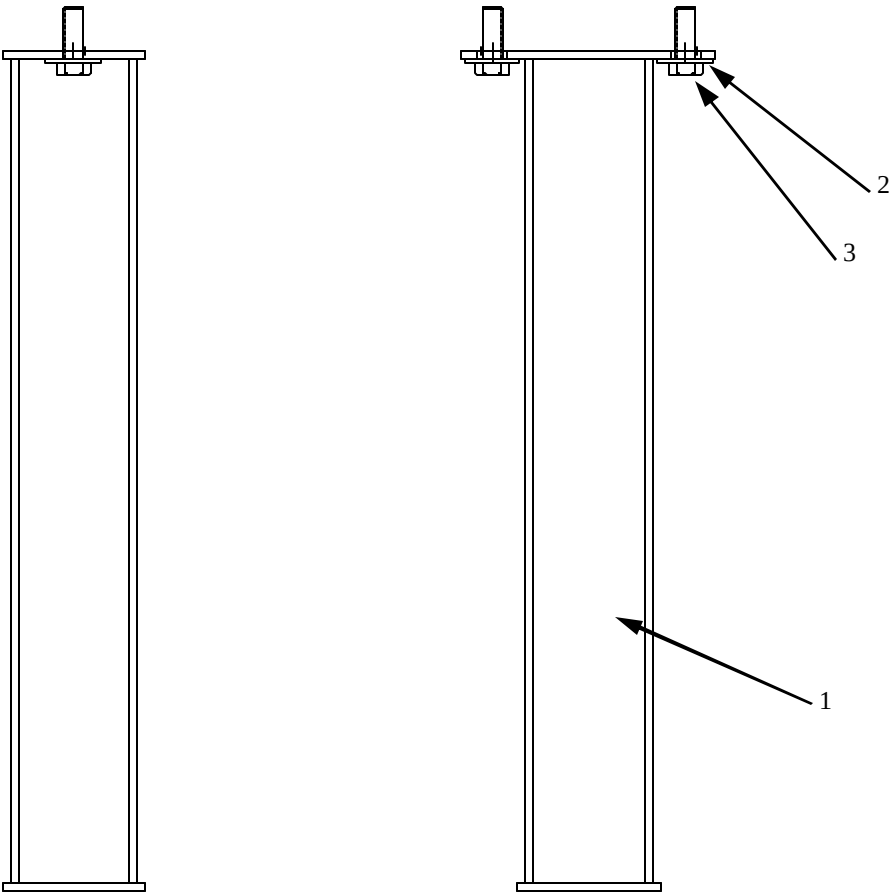
 CUMMINS DF9008 PUMP
DRIVE (037-50-070) REF

 2, 3
6, 7
5 037-42-015
(A END)
(B-END TO "P2" VALVE)

 1
8, 9
4
037-42-014
(A END)
(B-END FROM HYD TANK)

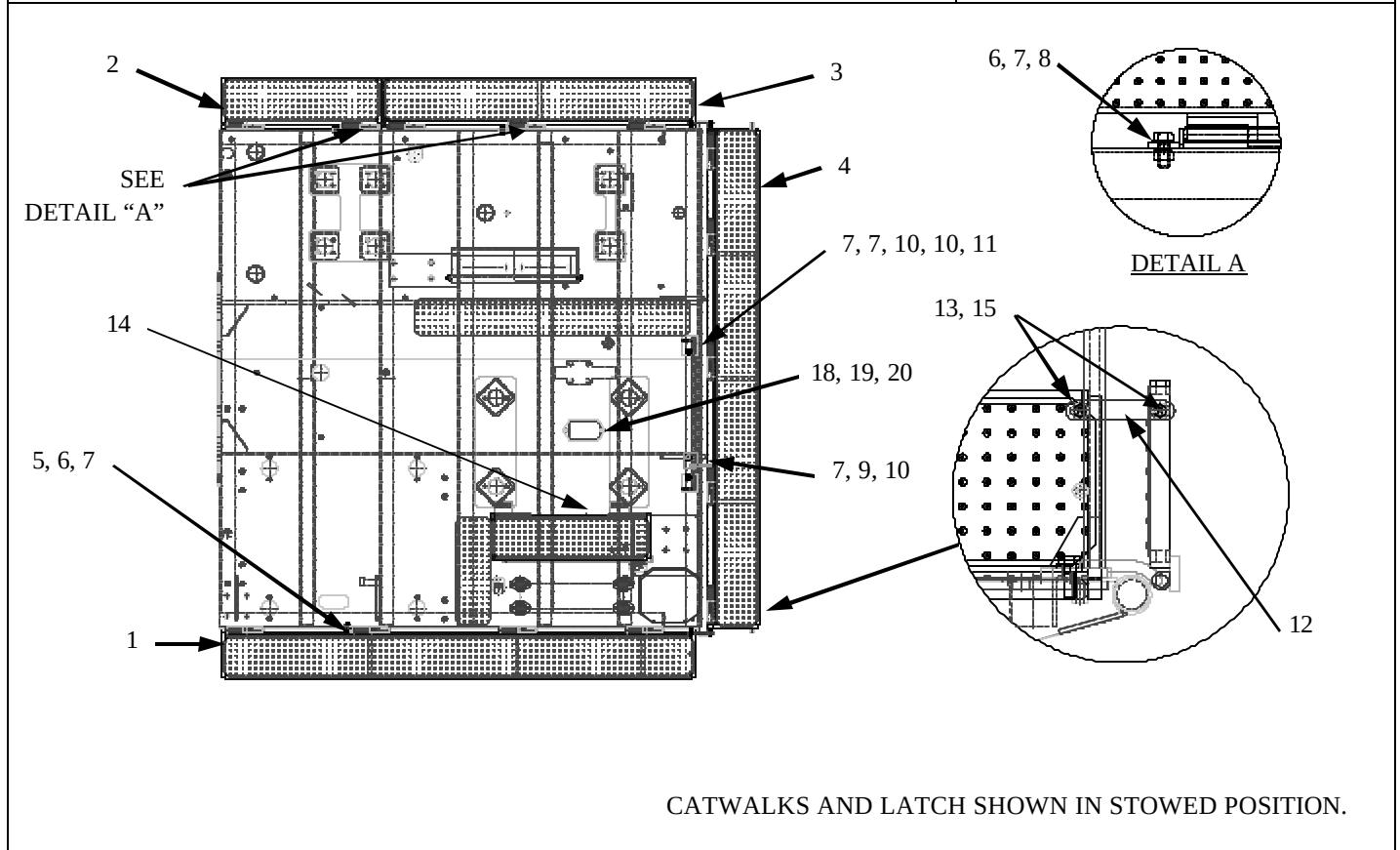
 037-42-60-008A
037-42-013 (REF)

ITEM	QTY	PART NO	DESCRIPTION
1	1	037-60-005	HYD PUMP 19CC
2	2	CAT# 8T-4195	HEX HD BOLT M10 X 1.5 X 30 MM
3	2	CAT# 8T-5360	WASHER, FLAT HARD $\varnothing 7/16$
4	1	037-42-014	AS - HYD HOSE CRANE PUMP SUCTION
5	1	037-42-015	AS - HYD HOSE CRANE PUMP PRESSURE
6	1	PARK# 12C5OXSBP	FITTING, 90° EL, STOR -12 / JIC M -12
7		CAT# 3D-2824	(QTY 1) O-RING, STOR -12 (INCLUDED IN ITM 1)
8	1	AIR# 6400-24-16	FITTING, STOR -16 / JIC M -24
9		CAT# 7M -8485	(QTY 1) O-RING, STOR -16 (INCLUDED IN ITM 3)

GP – WELD-DECK			037-10-001
			
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-10-005	AS – WELD-DECK
2	1	037-14-005	AS - REAR DECK ACCESS WAYS
3	2	037-10-095	AS - SHIP LEG
4	2	037-10-072	AS - 7/8 LIFTING EYE
5	1	037-10-073	AS - 1-1/4 LIFTING EYE
6	3	MCC# 2495K13	DECK DRAIN, 3"
7	1	MCC# 2495K12	DECK DRAIN, 2"

AS – SHIP LEG			037-10-095
			
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-10-035	SHIP LEG
2	2	CAT# 8T-4122	WASHER, FLAT HARD PLATED 5/8-IN
3	2	CAT# 7X-0345	BOLT, HEX HD, PLATED 5/8-11UNC x 1.75 LNG

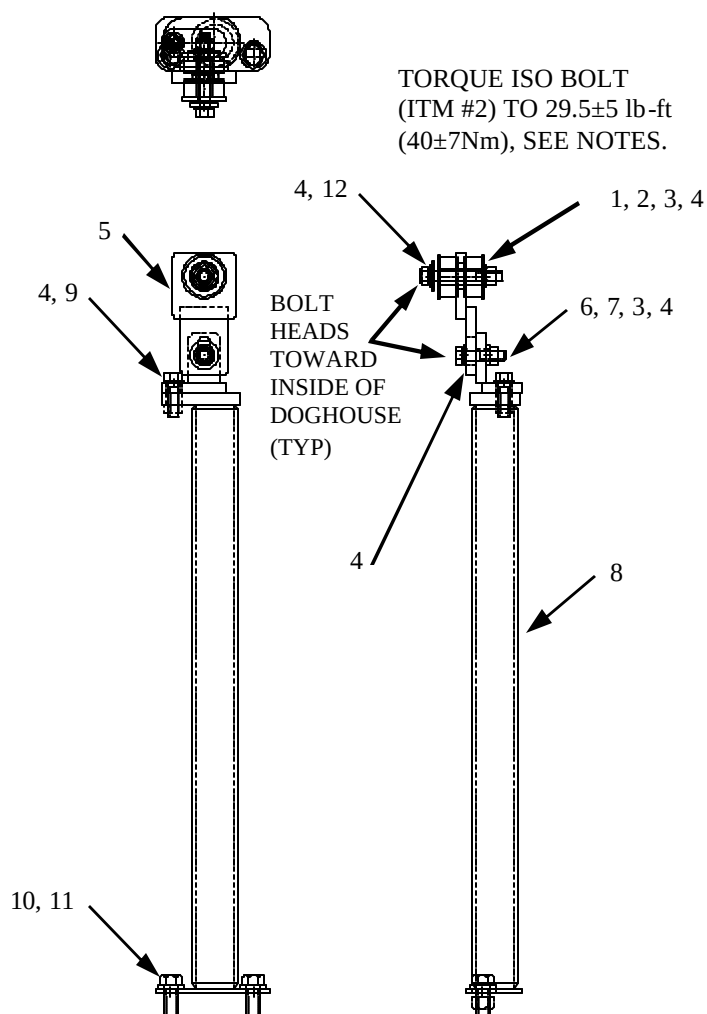
AS - REAR DECK ACCESS WAYS	037-14-005
----------------------------	------------



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-14-006	AS - DOGHOUSE CATWALK
2	1	037-14-016	AS - GENSET FWD CATWALK
3	1	037-14-013	AS - GENSET REAR CATWALK
4	1	037-14-037	AS - DECK REAR CATWALK
5	1	037-14-020	AS - CATWALK RETAINER LH
6	3	CAT# 8T-9393	BOLT - 5/8-11UNCx1.5LNG HX HD PLATED
7	6	CAT# 8T-4122	5/8 WASHER HARD PLATED
8	2	037-14-025	AS - CATWALK RETAINER RH
9	1	037-14-049	AS - REAR ACCESS WAY KEEPER
10	3	CAT# 7X-0345	BOLT - 5/8-11UNCx1-3/4LNG HX HD PLATED
11	1	037-14-052	AS - HANDRAIL REAR
12	2	037-14-069	PLT - CATWALK LATCH
13	4	CAT# 9B-7237	BOLT - 3/8-16UNCx1-1/4LNG HX HD PLATED
14	1	037-14-026	AS - ELEC BOX INNER CATWALK
15	4	CAT# 8T-4896	WASHER, 3/8 HARD PLATED
18	1	037-10-100	PLT - COVER
19	2	CAT# 8T-8917	HEX HD BOLT, 1/2-13 NC X 1 1/4 IN
20	2	CAT# 8T-4223	WASHER, FLAT HARD Ø1/2

GP - WELDER DOGHOUSE			037-11-001
			USED ON S/N CA00600033 - UP
			REPLACES 037-11-002
DOORS OPEN NOTE: ALIGN STABILIZER ISOLATORS WITH WELDERS INSTALLED, AS PER INSTRUCTIONS ON 37-11-010 NOTE: TORQUE CTR ISOLATOR-FIXING BOLTS ITM #4 TO 99.6 lb-ft (135Nm) WITH LOCKTITE. TORQUE ALL OTHER BOLTS AS PER CAT SPECS. AS A SPACER			
ITEM	QTY	PART NO	DESCRIPTION
1	4	037-05-023	AS - VIBRATION ISOLATOR AIR COMPR / DOGHOUSE
2	8	CAT# 8T-8917	CAPSCREW -HEX HD-PLATED 1/2-13UNC x 1-1/4 LNG
3	16	CAT# 8T-4223	WASHER-FLAT-HARD-PLATED 1/2-IN
4	4	CAT# 7X-0356	CAPSCREW -HEX HD-PLATED 5/8-11 x 5 LNG
5	8	CAT# 8T-4122	WASHER-FLAT-HARD-PLATED 5/8-IN
6	4	CAT# 3K-2889	HEX NUT-HARD-PLATED 5/8-11UNC SELF-LOCK
7	1	037-11-160	AS - WELDER DOGHOUSE
8	4	037-11-010	AS - DOGHOUSE DECK MOUNT STABILIZER ISOLATOR
9	4	037-35-045	TIE STRAP, 1" X 12' NYLON
10	1	CAT# 2462641	PADLOCK - 5/8 BOLT

USED ON S/N CA00600033 – UP



NOTE: STABILIZER ISOLATOR MUST NOT SUPPORT ANY LOAD IN RESTING POSITION. FOLLOW PROCEDURE LISTED BELOW.

FAILURE TO DO SO COULD RESULT IN EXTENSIVE DAMAGE TO THE DOGHOUSE ENCLOSURE.

1) WITH DOGHOUSE EMPTY (NO WELDERS), INSTALL ASSEMBLED ITMS 1 & 5 ONTO MATING DOGHOUSE HOLE AND TORQUE ISO BOLT (SEE SIDE NOTE).

2) INSTALL ITM 8 ONTO DECK AND TORQUE BOLTS.

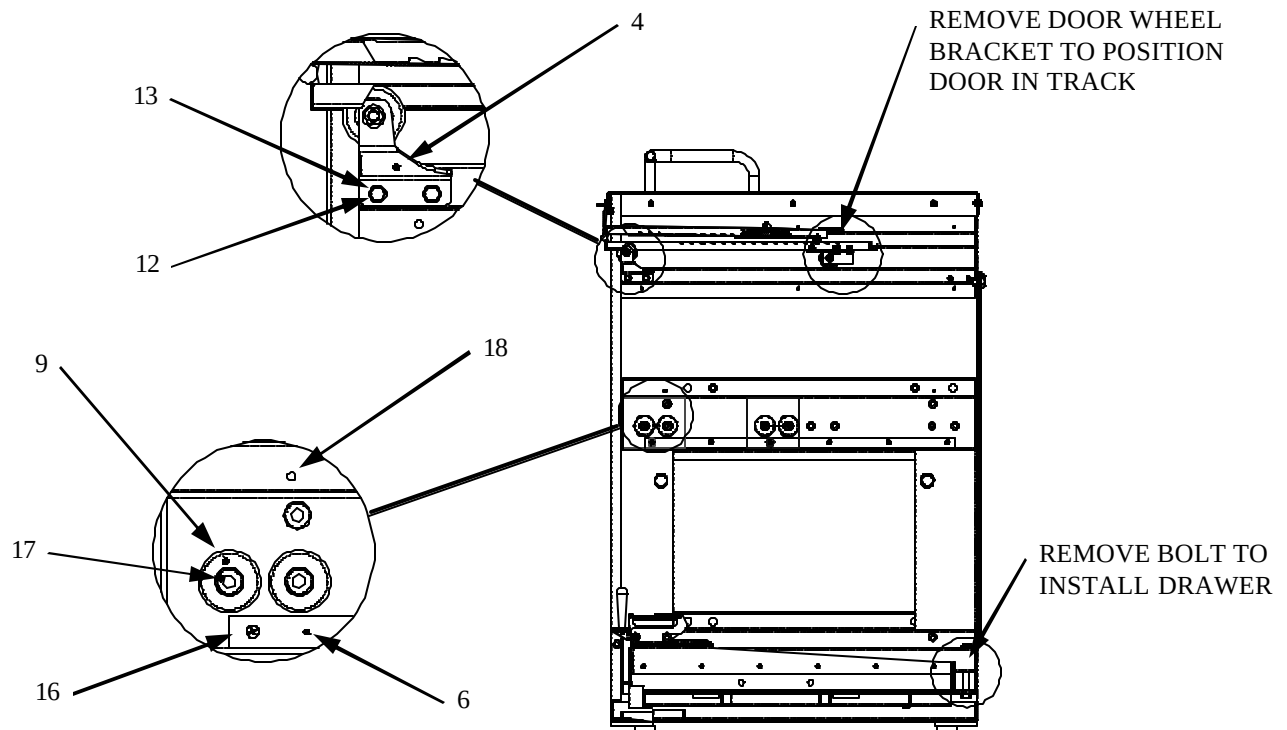
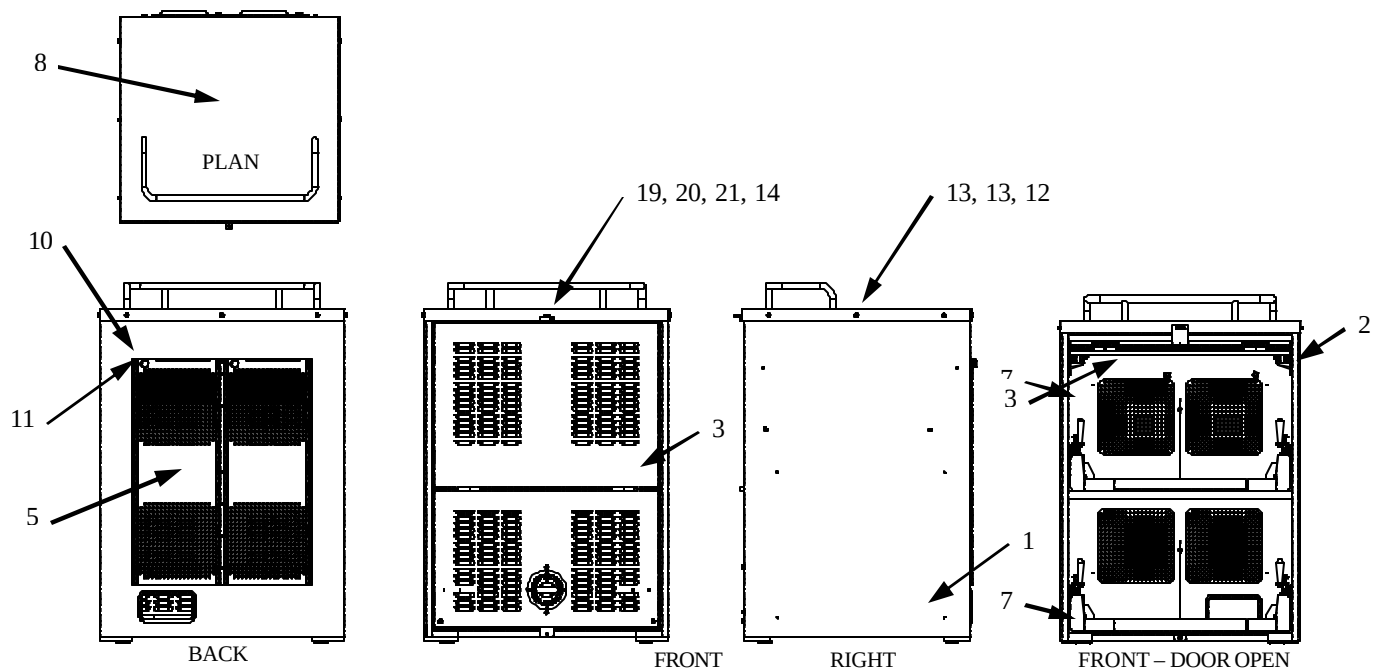
3) INSTALL WELDERS INTO DOGHOUSE AND SLIDE WELDERS INTO DOGHOUSE (WORKING POSITION).

4) COMPLETELY ALIGN ITM 6 WITH ISOLATOR AND DECK BRKT AND TORQUE BOLTS.

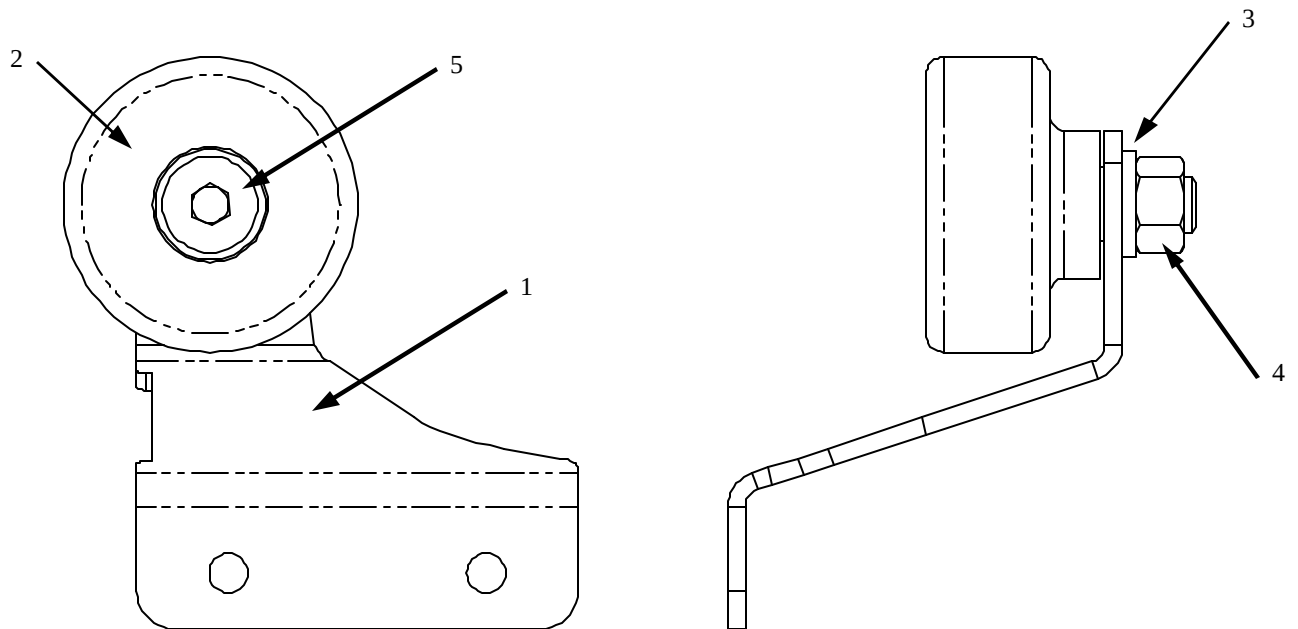
5) TORQUE ALL BOLTS AS PER CAT TORQUES, UNLESS OTHERWISE SPECIFIED.

ITEM	QTY	PART NO	DESCRIPTION
1	1	037-05-022	AS - VIBRATION ISOLATOR STABILIZER
2	1	CAT# 7X-0328	1/2-13UNC x 3-1/2 LNG HEX HD PLATED BOLT
3	2	CAT# 1K-6872	1/2-13UNC HEX HD, SELF-LOCKING NUT
4	5	CAT# 8T-4223	1/2 WASHER, HARD PLATED
5	1	037-11-011	AS - BOX ISO STAY MTG
6	1	037-11-014	AS - BOX ISO STAY DECK MTG BRKT
7	1	CAT# 8T-4835	1/2-13UNC x 2LNG HEX HD PLATED BOLT
8	1	037-11-017	AS - DOGHOUSE BOX ISO STAY DECK MOUNT BRKT
9	1	CAT# 8T-8919	1/2-13UNC x 1-3/4 LNG HEX HD PLATED BOLT
10	2	CAT# 8T-9393	5/8-11UNC x 1-1/2 LNG HEX HD PLATED BOLT
11	2	CAT# 8T-4122	WASHER-FLAT-HARD-PLATED 5/8-IN
12	1	CAT# 4B-5273	WASHER-USS FLAT-NON-HARD 1/2-IN

NOTES:



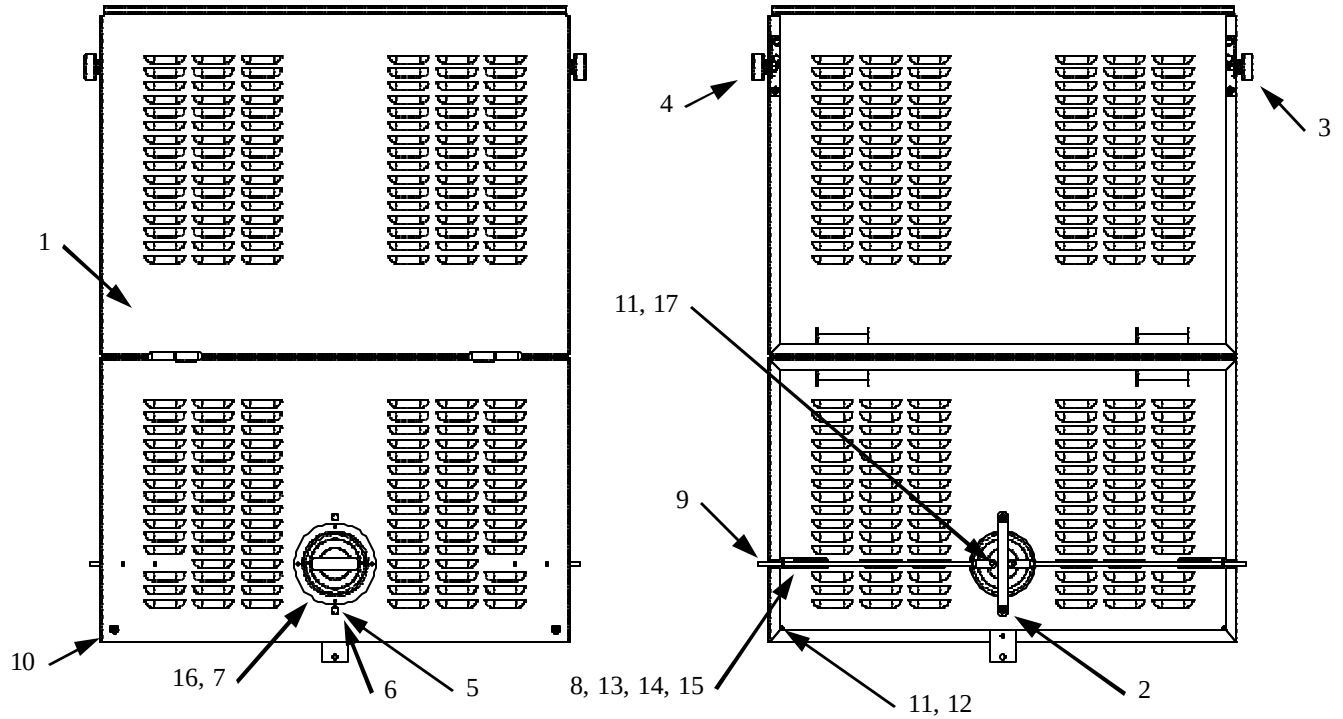
AS-WELDER BOX			037-11-160
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-163	BOX SUBASSEMBLY
2	1	037-11-199	BOX MTD. WHEEL BKT. ASSEMBLY - RH
3	1	037-11-208	DOOR ASSEMBLY
4	1	037-11-200	BOX MTD. WHEEL BKT. ASSEMBLY - LH
5	2	037-11-211	REAR DOOR PANEL
6	4	037-11-212	NYLON GUIDE - BOX MOUNTED
7	2	037-11-225	DRAWER SUBASSEMBLY
8	1	037-11-162	ROOF SUBASSEMBLY
9	16	037-11-191	DRAWER WHEEL
10	2	CAT# 5C-6266	5/8-11x1"UNC HEX HEAD BOLT
11	2	CAT# 8T-4122	5/8" HARDENED FLAT WASHER
12	13	CAT# 5S-7349	1/4-20x1/2"UNC HEX HEAD BOLT
13	13	CAT# 8T-4205	1/4" HARDENED FLAT WASHER
14	1	MCC# 1183A12	ZINC PLATED ANGLE PADLOCK EYE (QTY 2)
15	6FT	MCC# 8451A21-BL	PUSH ON VINYL EDGING (PARKER SD150)
16	24	3/16 x 1/4	RIVETS
17	16	UNB# 12705-10-16	SHOULDER BOLT 1/2-13UNC w 5/8"x1" SHOULDER
18	4	UNB# 12705-10-20	SHOULDER BOLT 1/2-13UNC w 5/8"x1-1/4" SHOULDER
19	2	MCC# 92314A831	BOLT - #10-32x3/4LNG HEX HEAD STAINLESS STEEL (50/PKG)
20	2	MCC# 91981A411	NUT - #10-32 HEX HEAD NYLON LOCK STAINLESS STEEL (100/PKG)
21	4	MCC# 98370A027	WASHER - #10 STAINLESS STEEL (5/PKG)



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-195	BOX MOUNTED DOOR WHEEL BKT, RH
2	1	037-11-197	DOOR WHEEL
3	1	CAT# 8T-4896	3/8" HARDENED FLAT WASHER
4	1	CAT# 2K-4973	3/8-16UNC SELF LOCKING NUT
5	1	MCC# 91259A711	SHOULDER BOLT 3/8-16UNC w 1/2"x7/8" SHOULDER

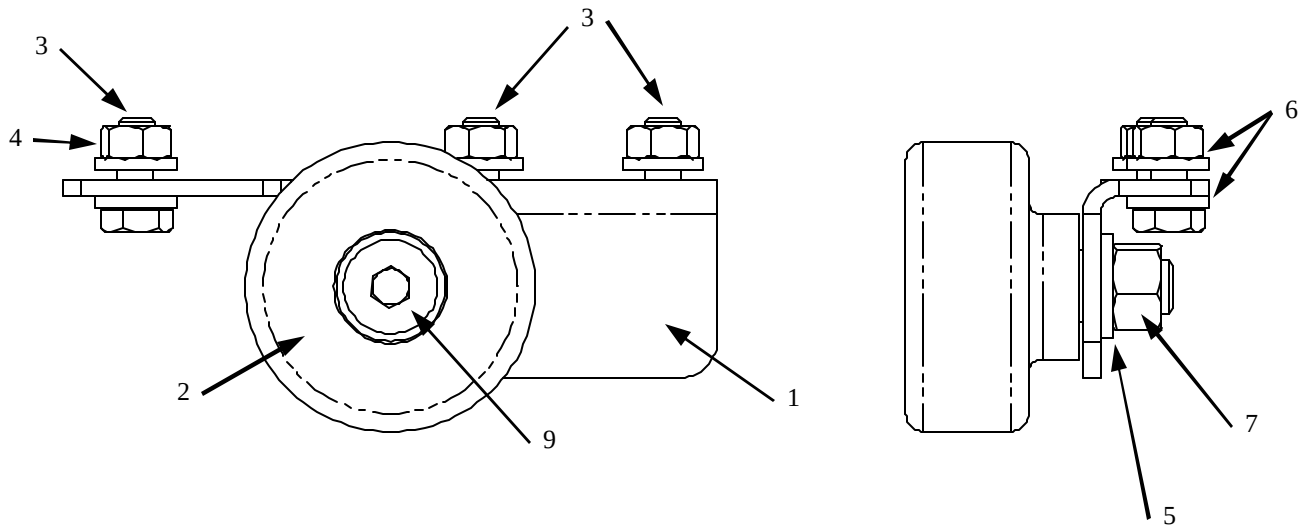
DOOR ASSEMBLY

037-11-208



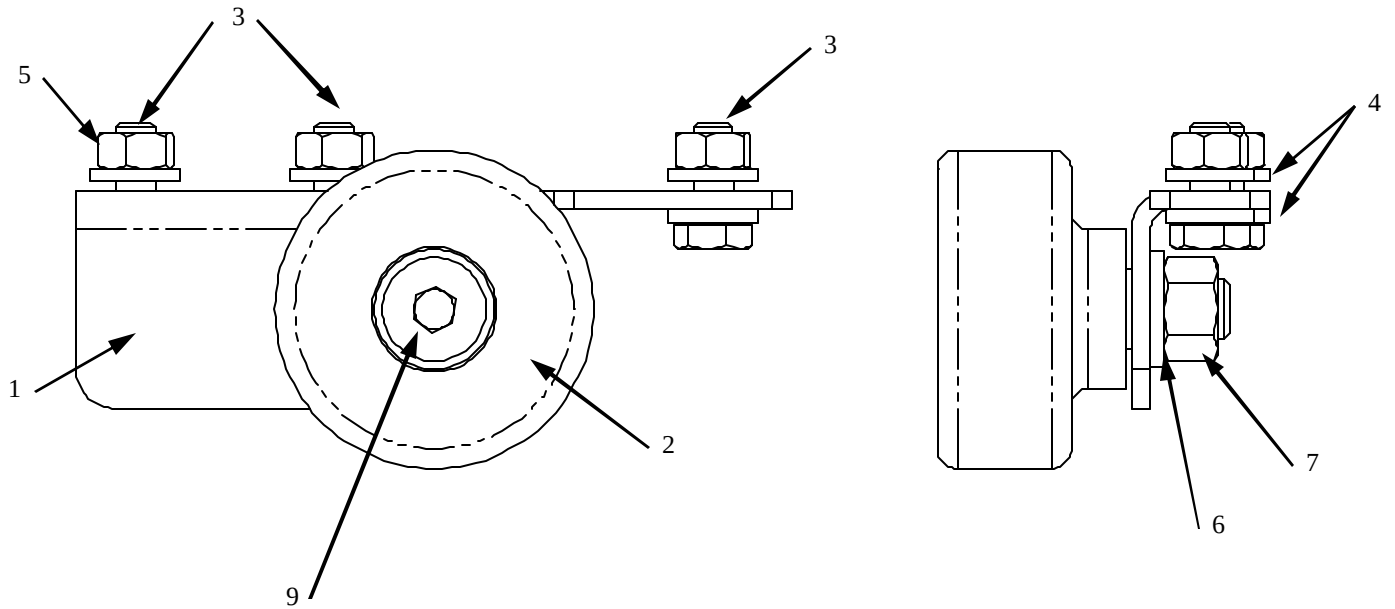
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-203	DOOR WELDED SUBASSEMBLY
2	1	037-11-226	DOOR HARDWARE GUARD ASSEMBLY
3	1	037-11-204	DOOR MTD. WHEEL BKT. ASSEMBLY - LH
4	1	037-11-198	DOOR MTD. WHEEL BKT. ASSEMBLY - RH
5	2	CAT# 8T-4205	1/4" HARDENED FLAT WASHER
6	2	CAT# 5S-7349	1/4-20x1/2"UNC HEX HEAD BOLT
7	1	AUS# ALH102L-SS	D-RING D.B. KIT INC. HARDWARE (HANDLE - AUS# ALH102L-50 SS)
8	2	AUS# ALH-105-54 ZN	GUIDE (PART OF ITM 7)
9	2	AH 105-6X-36 ZN 1/4	ROD (PART OF ITM 7)
10	2	MCC# 93115K35	RUBBER BUMPER WITH METAL PLATE 1/4-20UNC x 1/2 LNG MALE
11	4	CAT #8T-4205	WASHER – 1/4 HARD PLATED
12	2	MCC# 90675A009	NUT - 1/4-20UNC SELF-LOCKING STEEL
13	4	MCC# 92314A830	BOLT - 10-32x5/8LNG STAINLESS STEEL HEX HD MACHINE SCREW
14	8	MCC# 98370A027	WASHER - #10 SCREW SIZE, STAINLESS STEEL (PACKS OF 5)
15	4	MCC# 91831A411	NUT - 10-32 NYLON-LOCK STAINLESS STEEL (PACKS OF 100)
16	4	KLIK #AB6-4A	RIVET 3/16x1/4
17	2	CAT# 3B-4611	COTTER PIN - 3/32 x 1"LNG

AS – DOOR MTD WHEEL BRACKET - RH	037-11-198
----------------------------------	------------



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-196	DOOR MOUNTED BEARING BRACKET - RH
2	1	037-11-197	DOOR WHEEL
3	3	CAT# 8T-9364	1/4-20x5/8"UNC HEX HEAD BOLT
4	3	CAT# 7H-8909	1/4-20UNC SELF LOCKING NUT
5	1	CAT# 8T-4896	3/8" HARDENED FLAT WASHER
6	6	CAT# 8T-4205	1/4" HARDENED FLAT WASHER
7	1	CAT# 2K-4973	3/8-16UNC SELF LOCKING NUT
8			NOT USED
9	1	MCC# 91259A711	SHOULDER BOLT 3/8-16UNC w 1/2"x7/8" SHOULDER

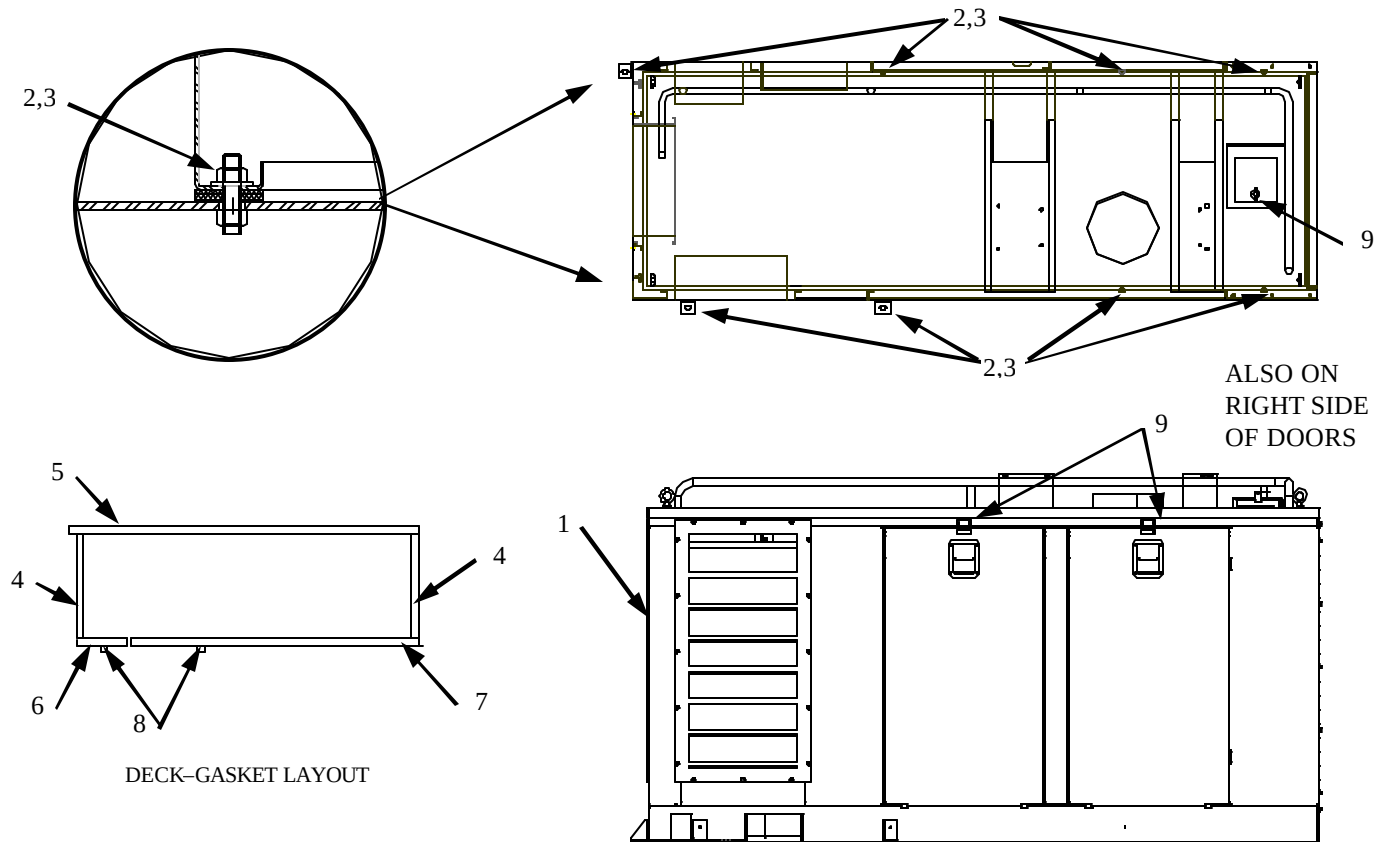
AS – DOOR MTD WHEEL BRACKET - LH	037-11-204
----------------------------------	------------



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-206	DOOR MOUNTED BEARING BRACKET - LH
2	1	037-11-197	DOOR WHEEL
3	3	CAT# 8T-9364	1/4-20x5/8"UNC HEX HEAD BOLT
4	1	CAT# 8T-4205	1/4" HARDENED FLAT WASHER
5	6	CAT# 7H-8909	1/4-20UNC SELF LOCKING NUT
6	3	CAT# 8T-4896	3/8" HARDENED FLAT WASHER
7	1	CAT# 2K-4973	3/8-16UNC SELF LOCKING NUT
8			NOT USED
9	1	MCC# 91259A711	SHOULDER BOLT 3/8-16UNC w 1/2"x7/8" SHOULDER

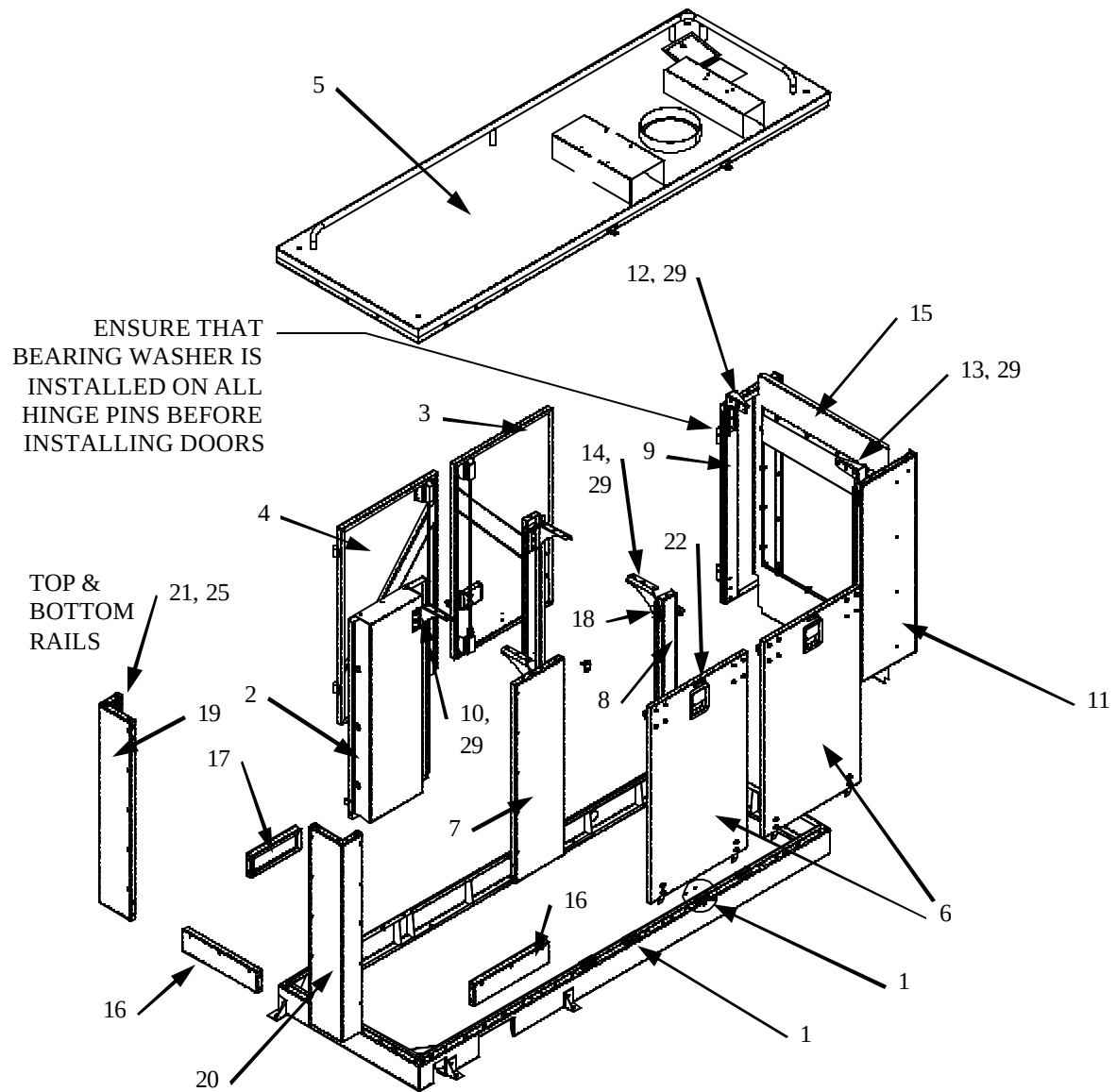
GP - GENSET ENCLOSURE

037-11-003



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-030	AS – GENSET ENCLOSURE
2	8	CAT 1K-6872	HEX NUT, LOCK 1/2-13NC
3	8	CAT 8T-4223	WASHER, FLAT HARD $\phi 1/2$
4	2	037-11-022	GASKET, NEOPRENE
5	1	037-11-023	GASKET, NEOPRENE
6	1	037-11-024	GASKET, NEOPRENE
7	1	037-11-025	GASKET, NEOPRENE
8	2	037-11-026	GASKET, NEOPRENE
9	5	CAT# 2462641	PADLOCK

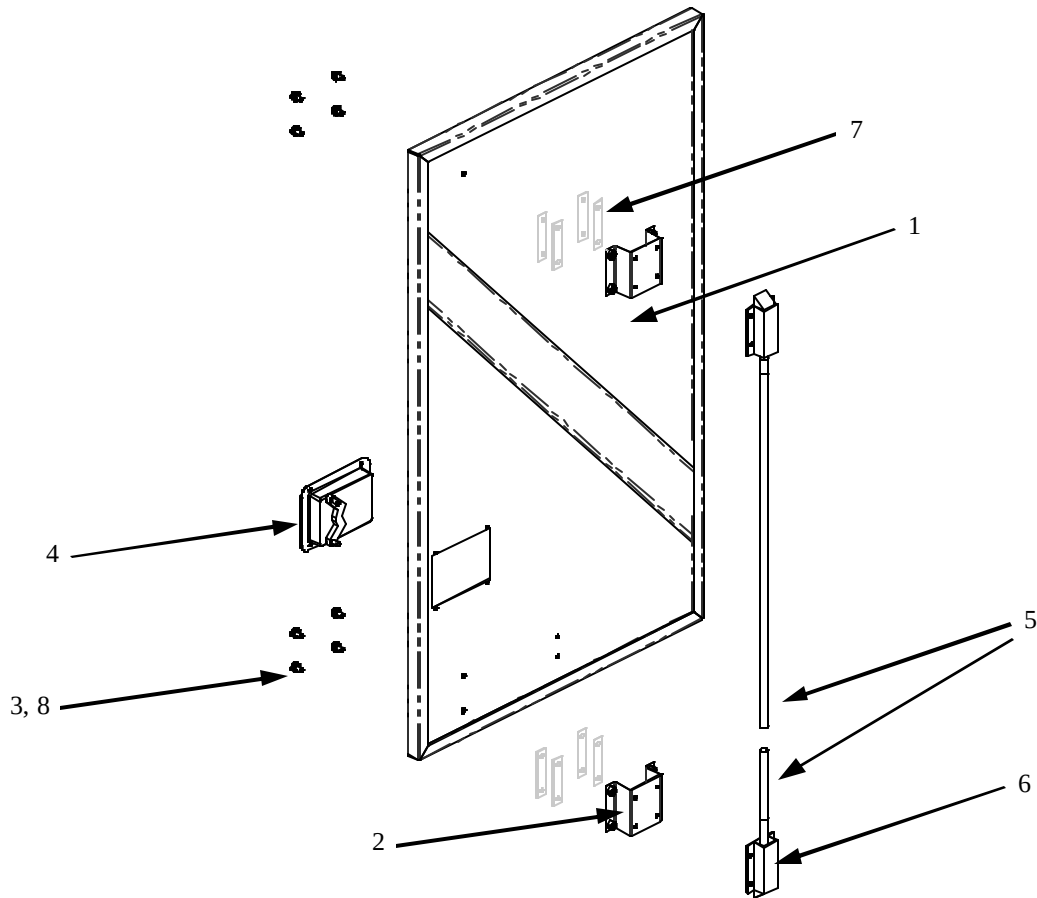
AS – VANGUARD GENERATOR ENCLOSURE			037-11-030
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-031	ENCLOSURE ASSEMBLY
2	1	037-11-007	ACCESS SIDE GRILL
3	2	037-11-006	INTAKE AND SERVICE SIDE GRILL
4	1	037-11-008	REAR DISCHARGE GRILL
5	1	EMKA 1000-U429-01	RADIATOR DOOR CAM LOCK
6	1	MCC# 9600K63	MMC 2" SRB RUBBER GROMMET 1 REQ (QTY. 25)
7	4	CHI# 26062-6	1/2-13x1.25" LIFTING EYEBOLT (MMC 3014T865) (QTY 2)
8	4	CAT# 8T-4223	1/2" HARDENED FLAT WASHER
9	63	CAT# 4M-5281	1/4-20x1/2"UNC HEX HEAD BOLT
10	48 FT	FAU# 623-4478	DOOR GASKET FOR MAJOR DOORS
11	2 FT	MCC# 8694K12	MMC 8694K12 DOOR GASKET FOR RADIATOR ACCESS DOOR
13	1	037-11-150	DOOR HINGE JIG ASSEMBLY
14	1	037-11-027	AS - ARCTIC FRONT
15	63	CAT# 8T-4205	1/4" HARDENED FLAT WASHER
16	2	037-11-104	DOOR STOP
17	4	CAT# 4M-6425	HEX BOLT, 5/16NC X 1 PLTD
18	4	CAT# 031-4155	HEX NUT, SELF-LOCK 5/16NC
19	8	CAT# 8T-4224	WASHER, HARD 5/16 PLTD
20	4	CAT# 4B-5273	WASHER-USS FLAT-NON-HARD 1/2-IN



AS – ENCLOSURE			037-11-031
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-032	BOTTOM RAIL STRUCTURAL ASSEMBLY
2	1	037-11-034	LADDER SUBASSEMBLY
3	1	037-11-054	ACCESS DOOR -LEFT- SUBASSEMBLY
4	1	037-11-058	ACCESS DOOR -RIGHT- SUBASSEMBLY
5	1	037-11-141	ACCESS DOOR SUBASSEMBLY
6	2	037-11-117	ACCESS DOOR SUBASSEMBLY
7	1	037-11-080	DISCHARGE END SIDE PANEL SUBASSEMBLY
8	2	037-11-112	DOOR MULLION ASSEMBLY
9	1	037-11-090	DISCHARGE END ACCESS SIDE PANEL ASSEMBLY
10	1	037-11-091	LADDER ROOF BRACE SUBASSEMBLY
11	1	037-11-085	SERVICE SIDE PANEL -DISCHARGE END- ASSEMBLY
12	1	037-11-094	ROOF GUSSET - DISCHARGE END (LH)
13	1	037-11-095	ROOF GUSSET - DISCHARGE END (RH)
14	3	037-11-096	TOP BRACE - DISCHARGE END
15	1	037-11-097	RAD SEALING LIP PLATE ASSEMBLY
16	2	037-11-132	BOTTOM SPACER - SERV. SIDE ASSEMBLY
17	1	037-11-133	INTAKE LOUVER SPACER - SMALL
18	8	037-11-122	LATCH STRIKER PLATE ASSEMBLY
19	1	037-11-129	INTAKE END CORNER MULLION -ACCESS SIDE- ASSEMBLY
20	1	037-11-130	INTAKE END CORNER MULLION -SERVICE SIDE- ASSEMBLY
21	78	CAT# 5M-3062	BOLT, HEX HD 3/8-16UNC x 3/4 IN PLTD
22	8	MCC# 1183A12	ZINC PLATED ANGLE PADLOCK EYE (QTY 2)
23	2	FAU# 771-0659	PLUNGER TYPE DOOR HOLDER
24	2	FAU# 771-1109	KEEPER FOR PLUNGER TYPE DOOR HOLDER
25	115	CAT# 8T-4896	3/8" HARDENED FLAT WASHER
26	4	037-11-123	LATCH GUIDE AND DOOR STOPPER
27	24	MCC# 90101A225	LOCKNUT, JAM #10-32 SS NYLOCK (QTY. 50)
28	24	MCC# 91772A831	LATCH GUIDE AND DOOR STOPPER
29	36	CAT# 4L-6454	BOLT, HEX HD 3/8-16 NC X 1 IN PLTD
30	2	MCC# 91772A559	PAN HEAD PHILLIPS MACHINE SCREW 1/4-28 X 3/4
31	2	CAT# 3E-9865	LOCKNUT – 1/4-20UNC PLTD, HARD, NYLON
32	2	CAT# 8T-4205	WASHER, FLAT HARD 1/4 IN PLTD
33	4	MCC# 91802A830	OVAL HEAD PHILLIPS MCHINE SCREW 10 – 32 X 5/8 SS
34	4	MCC# 90101A225	LOCKNUT, JAM #10 – 32 SS NYLOCK (QTY 50)

AS – ACCESS DOOR-LEFT - SUBASSEMBLY

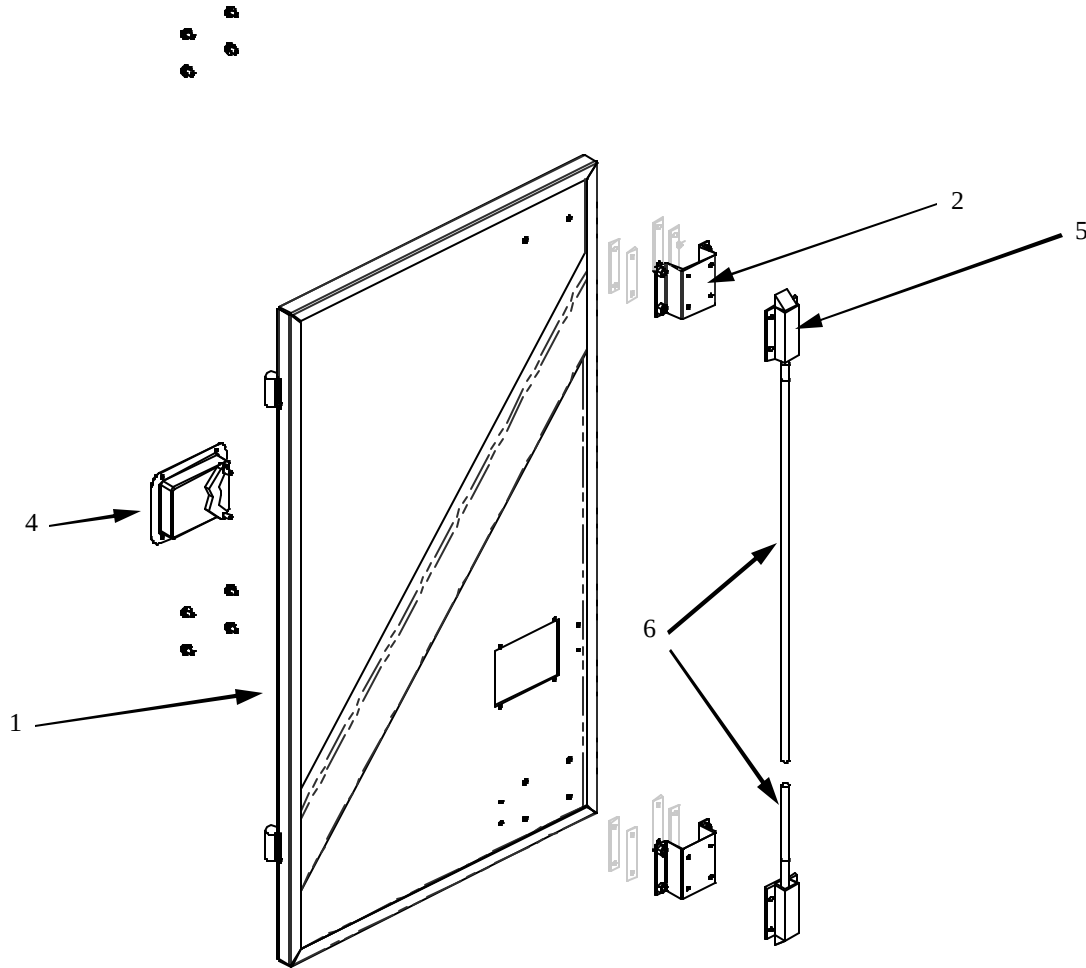
037-11-054



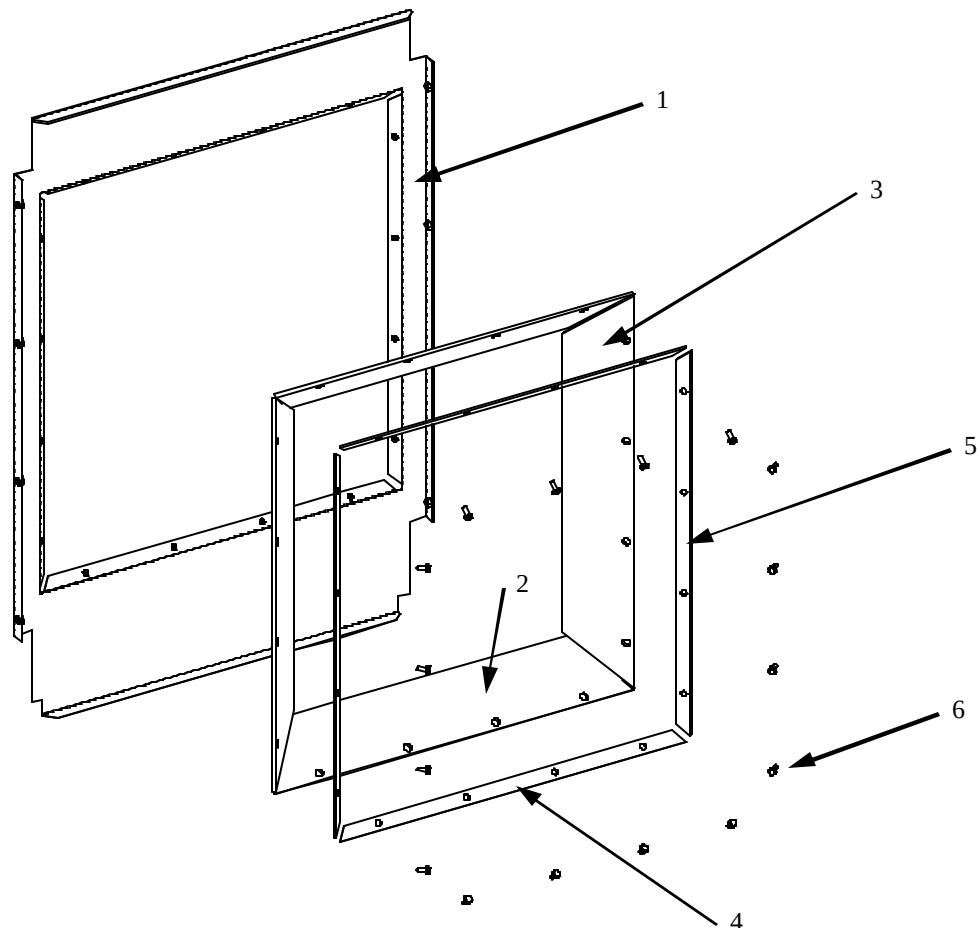
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-102	AS – ACCESS DOOR – LEFT
2	2	037-11-056	CHISEL BOLT MOUNTING BLOCK – SUBASSEMBLY
3	8	CAT# 4M-5281	1/4-20 X 3/4 UNC HEX HEAD BOLT
4	1	037-11-238	AS-LOCK ACCESS DOOR PANEL 2-POINT PADDLE HANDLE NON LOCKING - MODIFICATION
5	2	AUS# ALH21D SS KIT-ROD (REF)	PART OF #4 REF: (3/8" ROD – 2 ROD – 2 PARTS PER KIT) (FAUCHER 700-2021) – D.N.O.
6	2	AUS# ALH21D SS KIT-BOLT (REF)	PART OF #4 REF: (SLAM BOLT – 2 PARTS PER KIT) (FAUCHER 699-1095) – D.N.O.
7	8	037-11-145	SHIM FOR CHISEL BOLT MTG PLATE
8	8	CAT# 8T-4205	1/4" HARDENED FLAT WASHER

AS – ACCESS DOOR-RIGHT - SUBASSEMBLY

037-11-058



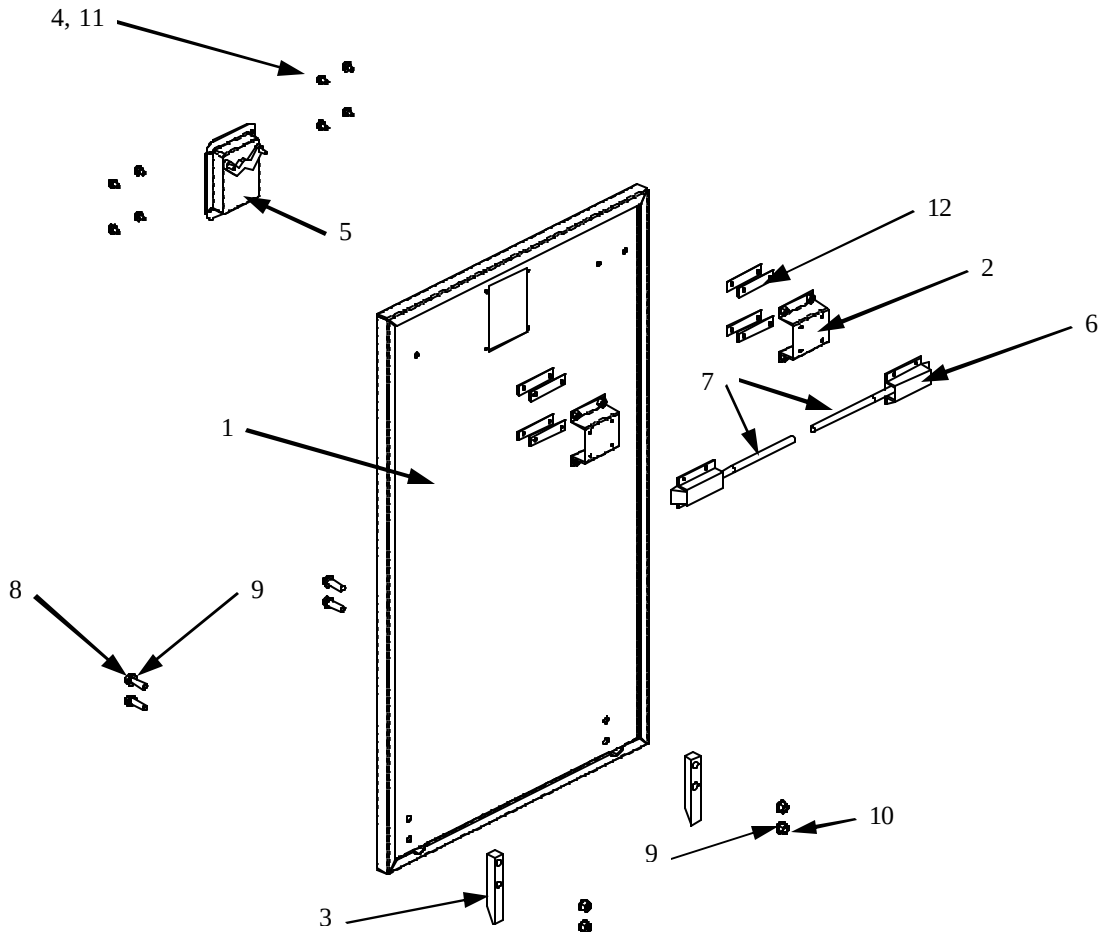
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-103	AS – ACCESS DOOR – RIGHT
2	2	037-11-056	CHISEL BOLT MOUNTING BLOCK – SUBASSEMBLY
3	8	CAT# 4M -5281	1/4-20 X 3/4 UNC HEX HEAD BOLT
4	1	037-11-238	AS-LOCK ACCESS DOOR PANEL 2-POINT PADDLE HANDLE NON LOCKING - MODIFICATION
5	2	AUS# ALH21D SS KIT-BOLT (REF)	PART OF #4 REF: (3/8" ROD – 2 ROD – 2 PARTS PER KIT) (FAUCHER 700-2021) – D.N.O.
6	2	AUS# ALH21D SS KIT-ROD (REF)	PART OF #4 REF: (SLAM BOLT – 2 PARTS PER KIT) (FAUCHER 699-1095) – D.N.O.
7	8	037-11-145	SHIM FOR CHISEL BOLT MTG PLATE
8	8	CAT# 8T-4205	1/4" HARDENED FLAT WASHER



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-071	RADIATOR SEALING LIP PLATE SUBASSEMBLY
2	2	037-11-125	RADIATOR SEALING GASKET -TOP AND BOTTOM
3	2	037-11-126	RADIATOR SEALING GASKET - SIDES
4	2	037-11-128	RADIATOR GASKET RETAINER - TOP/BOTTOM
5	2	037-11-127	RADIATOR GASKET RETAINER - SIDES
6	16	037-11-138	BOLT WASHER ASSEMBLY (0.25" X 0.75")

AS – SERVICE PANEL SUBASSEMBLY

037-11-117

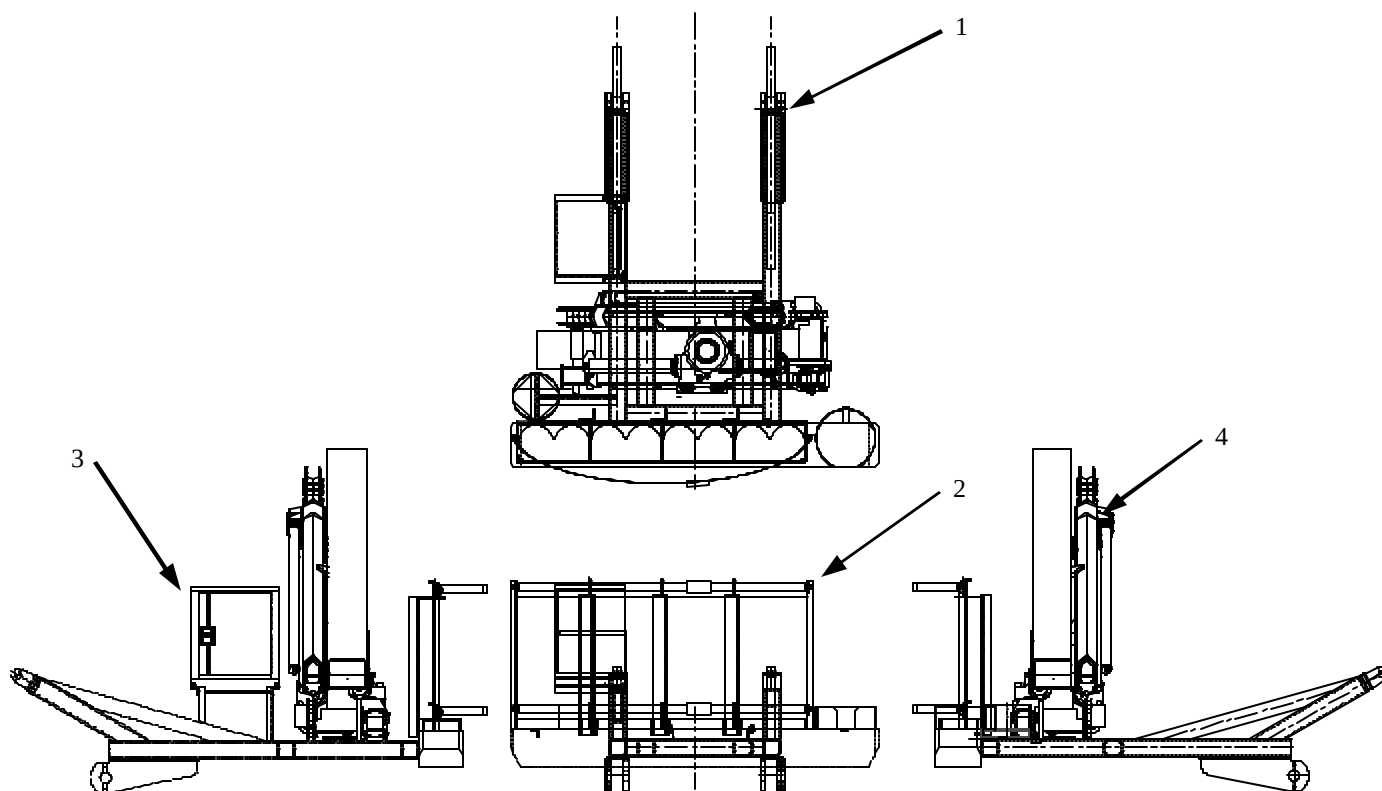


ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-101	SERVICE PANEL
2	2	037-11-056	CHISEL BOLT MOUNTING BLOCK- SUBASSEMBLY
3	2	037-11-121	ACCESS DOOR BOTTOM DOG
4	8	CAT# 4M-5281	1/4-20x1/2"UNC HEX HEAD BOLT
5	1	037-11-237	AS - LOCK SERVICE PANEL 2-POINT PADDLE HANDLE NON LOCKING - MODIFICATION
6	2	AUS# ALH21D SS KIT-BOLT (REF)	PART OF #5 - REF: (SLAM BOLT - 2 PARTS PER KIT) (FAUCHER 699-1095) .
7	2	AUS# ALH21D SS KIT-ROD (REF)	PART OF #5 - REF: (3/8" ROD - 2 PARTS PER KIT) (FAUCHER 700-2021)
8	4	CAT# 4L-9337	3/8-16x1-1/2UNC HEX HEAD BOLT
9	8	CAT# 8T-4896	3/8" HARDENED FLAT WASHER
10	4	CAT# 2K-4973	3/8-16UNC SELF LOCKING NUT
11	8	CAT# 8T-4205	1/4" HARDENED FLAT WASHER
12	8	037-11-145	SHIM FOR CHISEL BOLT MTG PLATE

OPT – FRONT PLATFORM MODULE			037-15-001
ITEM	QTY	PART NO	DESCRIPTION
1	*	037-15-020	AS - FRONT PLATFORM, D6M/N
2	*	037-15-021	AS - FRONT FRAME, D6M/N COMBO
3	*	037-15-022	AS - FRONT FRAME, 572

* SELECT ONE ITEM AS REQUIRED.

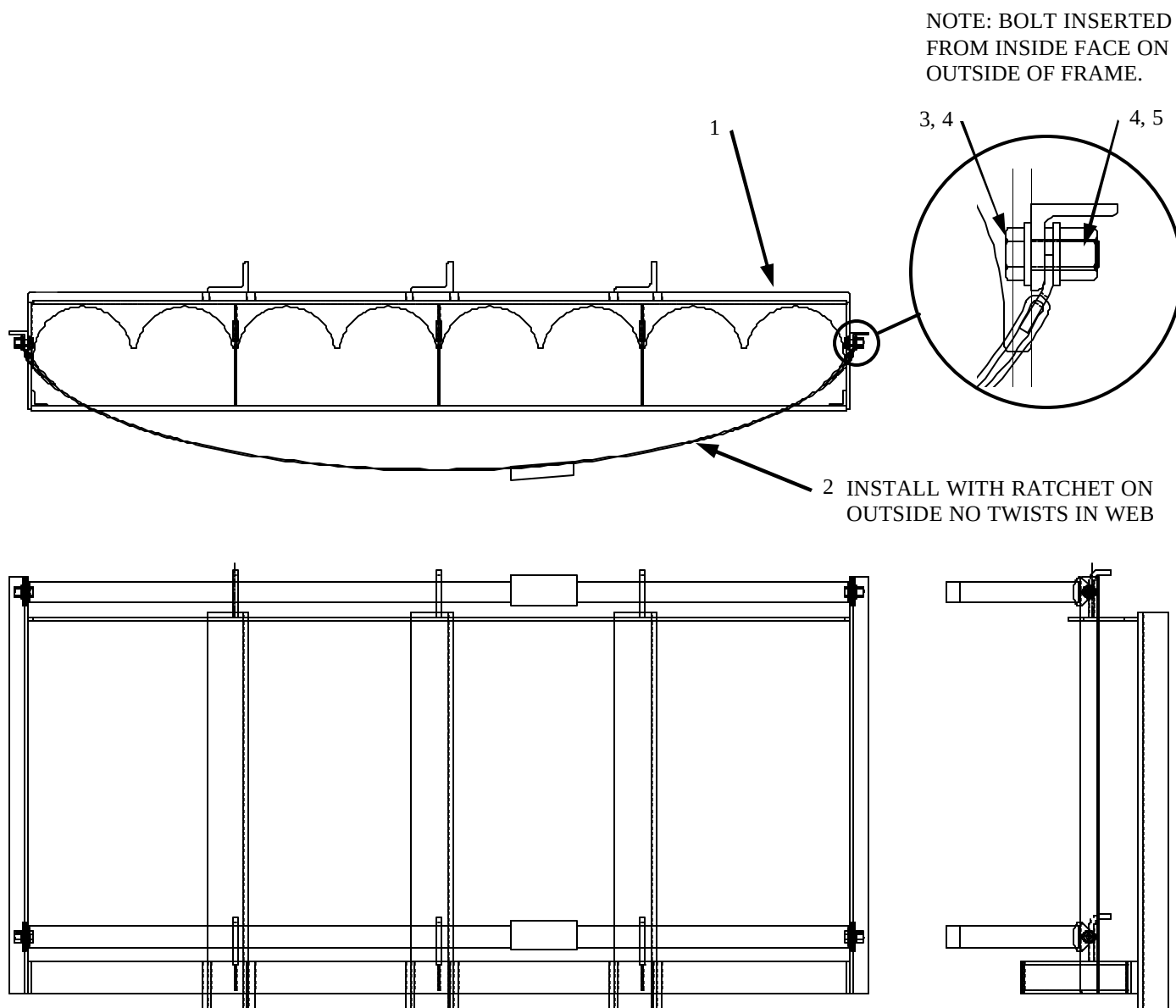
AS – FRONT PLATFORM D6MN	037-15-020
--------------------------	------------



NOTE: OPTIONAL EQUIPMENT SHOWN

ITEM	QTY	PART NO	DESCRIPTION
1	*1	037-15-024	AS - FRONT FR CRANE MOUNT, D6M/N HIAB
2	*1	037-35-011	AS - BOTTLE RACK, CAP'Y 8
3	*1	037-35-047	AS - TOOLBOX
4	*1	037-60-004	AS - CRANE INSTALLATION

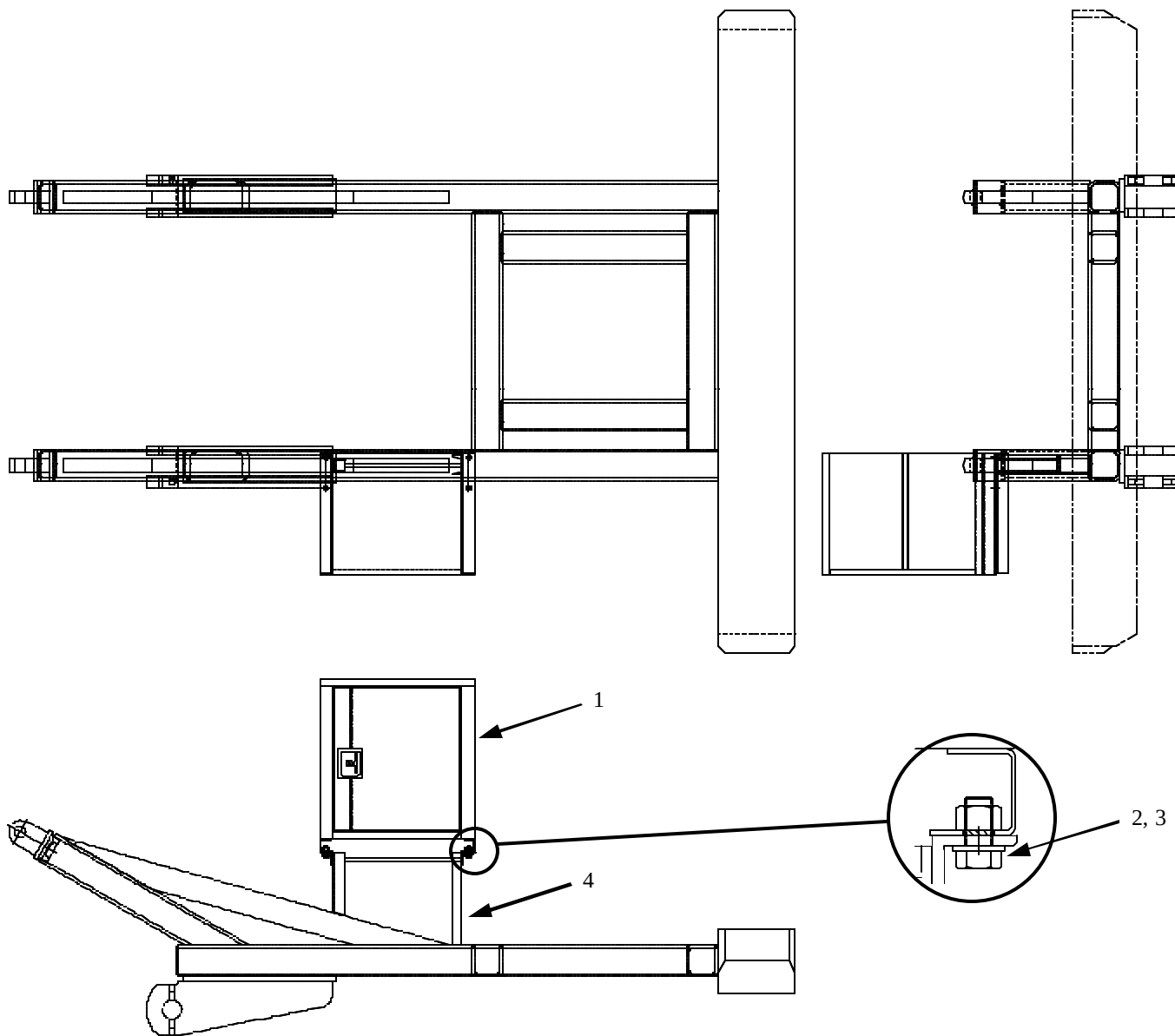
* SELECT DESIRED OPTIONS AS REQUIRED



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-35-048	AS - BOTTLE RACK 8X
2	2	MCC# 8834T36	16-FT WEB AS 2-IN NYLON RATCHET BUCKLE BOLT PLT
3	4	CAT# 8T-9393	HEX HD BOLT, 5/8-11NC X 1 1/2 LNG
4	8	CAT# 8T-4122	WASHER, FLAT HARD 5/8 IN
5	4	CAT# 3K-2889	HEX NUT SELF LOCK 5/8-11NC

GP – TOOLBOX, FRONT FRAME MOUNT

037-35-047



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-11-021	AS - TOOLBOX
2	4	CAT# 7X-0343	BOLT HEX HD 5/8-11NC X 1 1/4 IN
3	4	CAT# 8T-4122	WASHER FLAT HARD 5/8 IN
4	1	037-35-036	AS - TOOLBOX RAILS

2, 4, 5, 6

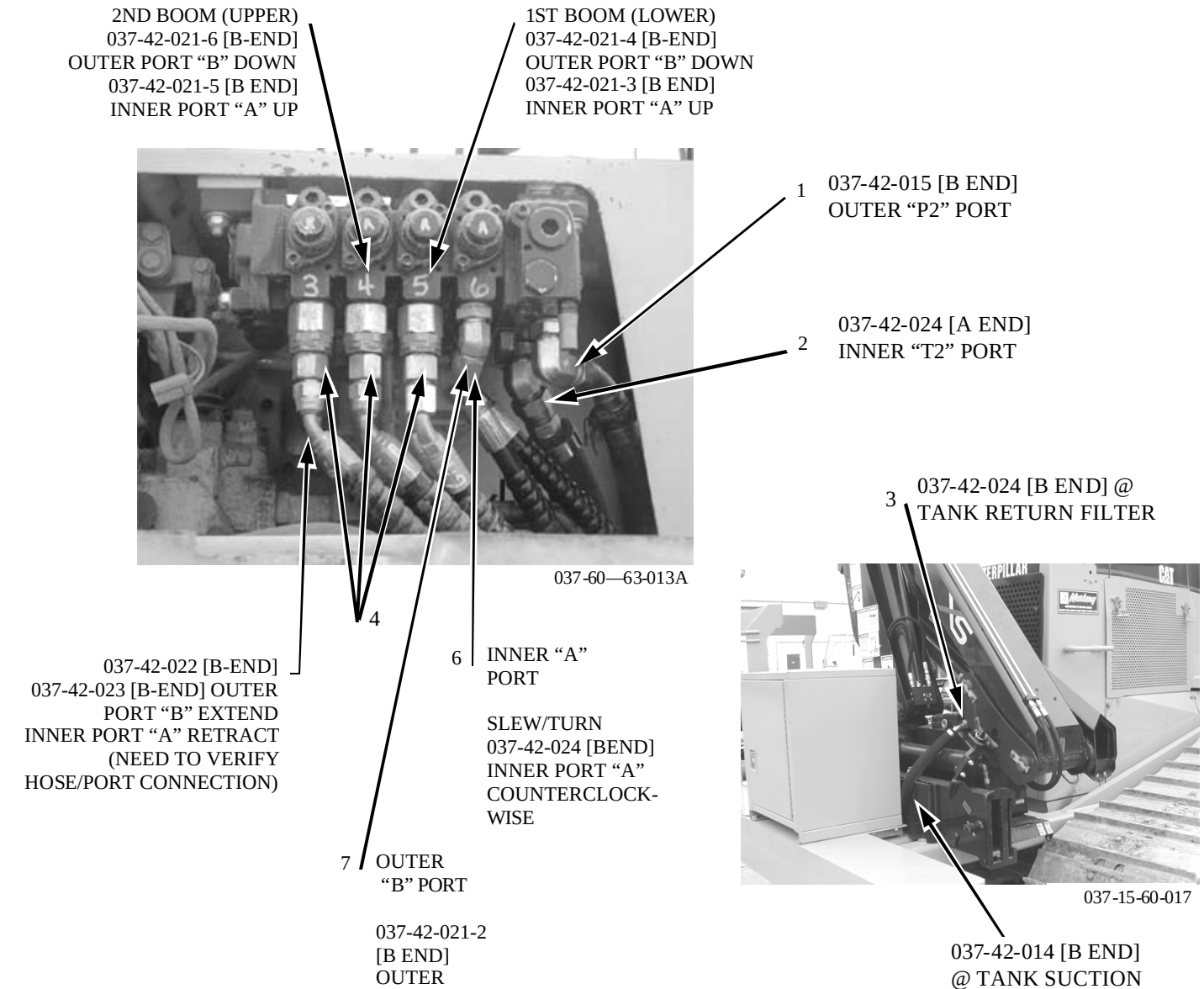
1, 3, 7



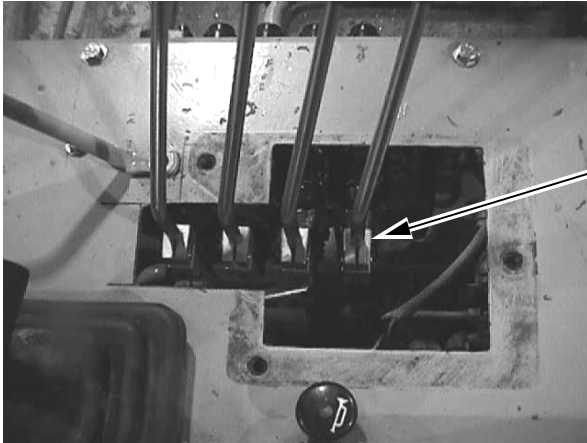
037-05-71-020

ITEM	QTY	PART NO	DESCRIPTION
1	15 IN	HIAB 077-12XCB	CRANE
2	1	037-71-029	AS - HIAB CRANE MODS D6M/N FRONT HOSE CUTOUT
3	1	037-60-012	AS - CRANE TIE-DOWN
4	1	037-60-011	AS - CRANE CONT INSTALLATION
5	1	037-43-008	AS - FITTINGS CRANE CONT INSTALLATION
6	1	037-42-020	AS - WELDER HIAB CRANE HOSE KIT (CHART)
7	1	037-15-025	AS - CRANE LOCATOR STOPS

AS - WELDER HIAB CRANE HOSE CHART										037-42-020				
			A HOSE END			B HOSE END			HOSE					
ITEM	HOSE NO.	SIZE	PARKER NO.	CAT NO.	SIZE	PARKER NO.	CAT NO.	SIZE	CAT NO.	PARKER NO.	O.A.L. (IN)	SLEEVE	NOTES	
1	037-42-021-1	-8	10643-8-6	1241969	-8	13743-8-6	1241986	-6	1650016	381-6	144	1602245	JUMPER EXISTING HOSES	
2	037-42-021-2	-8	10643-8-6	1241969	-8	13743-8-6	1241986	-6	1650016	381-6	144	1602245	JUMPER EXISTING HOSES	
3	037-42-021-3	-8	10643-8-6	1241969	-8	13743-8-6	1241986	-6	1650016	381-6	144	1602245	JUMPER EXISTING HOSES	
4	037-42-021-4	-8	10643-8-6	1241969	-8	13743-8-6	1241986	-6	1650016	381-6	144	1602245	JUMPER EXISTING HOSES	
5	037-42-021-5	-8	10643-8-6	1241969	-8	13743-8-6	1241986	-6	1650016	381-6	144	1602245	JUMPER EXISTING HOSES	
6	037-42-021-6	-8	10643-8-6	1241969	-8	13743-8-6	1241986	-6	1650016	381-6	144	1602245	JUMPER EXISTING HOSES	
7	037-42-022	-8	10643-8-6	1241969	-8	13743-8-6	1241986	-6	1650016	381-6	210	1602245	JUMPER EXISTING HOSES	
8	037-42-023	-8	10643-8-6	1241969	-8	13743-8-6	1241986	-6	1650016	381-6	220	1602245	JUMPER EXISTING HOSES	
9	037-42-024	-12	10643-12-12	2P-0987	-12	13743-12-12	2P-1458	-12	1226872	881-12	210	717439	N/A	



ITEM	QTY	PART NO	DESCRIPTION
1	1	PARK# 12-8C4OMXS	90° ELBOW BSPP M-8 / JIC M-12
2	1	PARK# 12V4OMX	45° ELBOW BSPP M-12 / JIC M-12
3	1	PARK# 12C4OMX	90° ELBOW BSPP M-12 / JIC M-12
4	6	PARK# 8HTXS	UNION JIC M-8
5	1	PARK# 88DB-24	TANK SUCTION HOSE CLAMP
6	1	PARK# 8-8F4OMXS	ST BSP MALE / JIC 1/2" / -8
7	1	PARK# 8-8V4OMXS	45 DEG EL BSP MALE / JIC 1/2" / -8

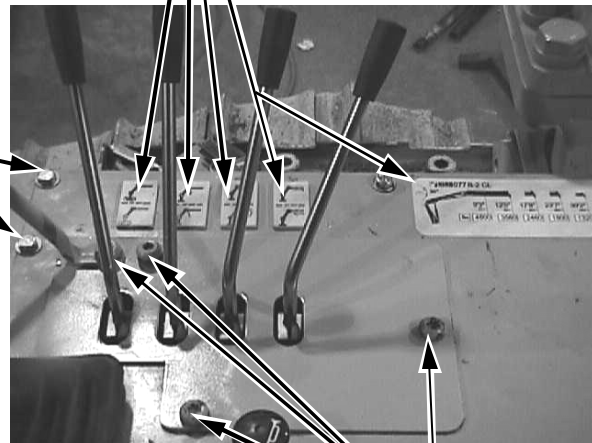


VALVE ASSEMBLY, HIAB V80
(PART HIAB 077-12XCB) REF

037-05-71-016

RELOCATE DECALS FROM
CRANE CONTROL LOCATION

3, 4, 5, 6



037-05-71-012

EXISTING HARDWARE

ITEM	QTY	PART NO	DESCRIPTION
1	1	037-60-008	COVER PLATE
2	1	037-60-010	MTG BLOCK SQ CRANE CONTROL VALVE
3	1	037-60-007	MTG BLOCK LG CRANE CONTROL VALVE
4	6	CAT# 8T-4896	WASHER - 3/8 FLAT HARD
5	3	CAT# 8T-9101	BOLT, HEX HD 3/8-16 NC X 2 3/4 IN
6	3	CAT# 2K-4973	NUT - SELF-LOCKING 3/8-16UNC, HARD

**AS – CRANE CONTROL TIE-DOWN FRONT CRANE INSTALLATION
D6M/N**

037-60-012

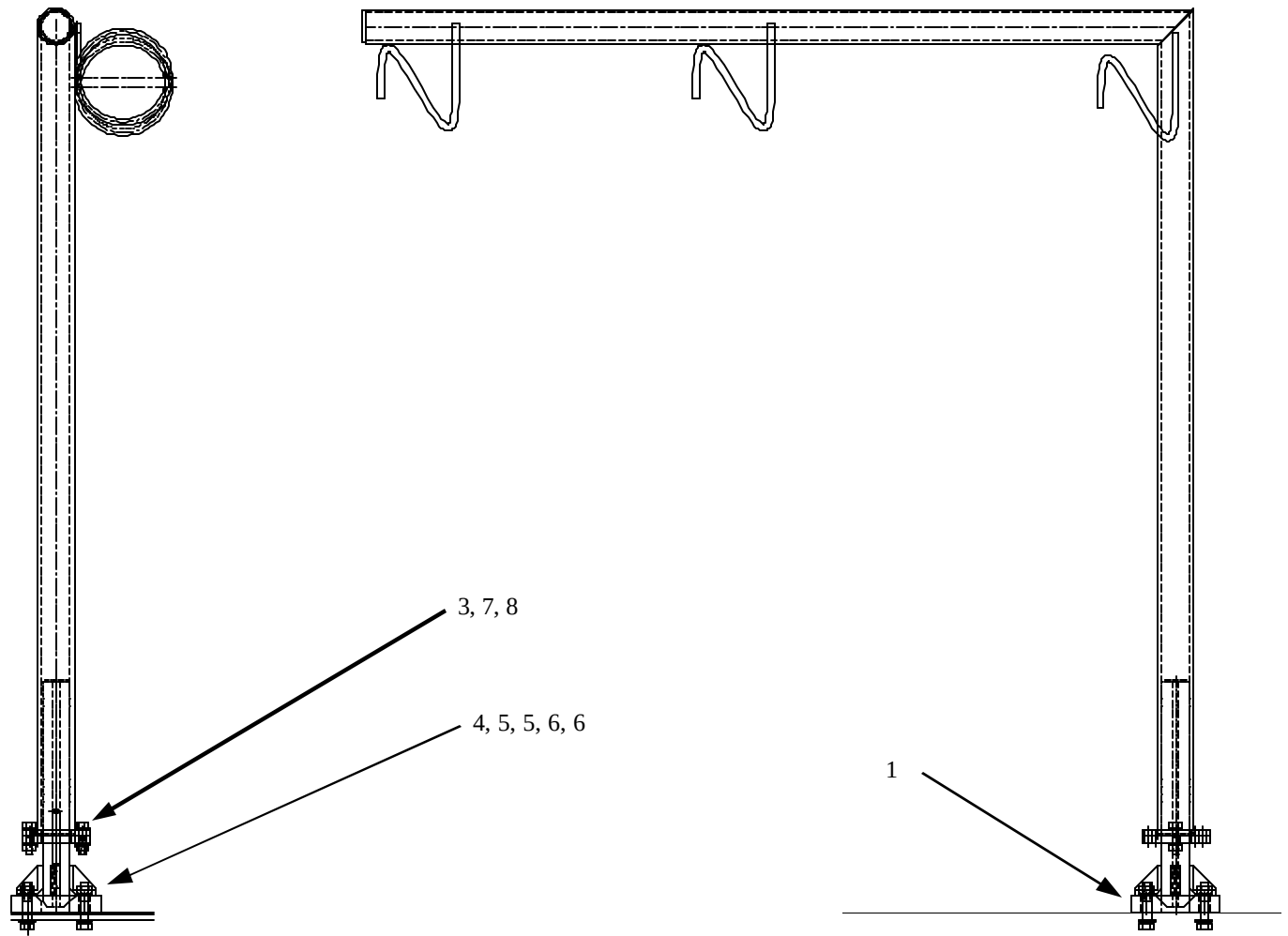
NOTE: TORQUE HARDWARE AS
PER CRANE MANUFACTURE'S
INSTALLATION PROCEDURES.



037-15-35-003A

ITEM	QTY	PART NO	DESCRIPTION
1	4	HIA# 360-0539	TIE DOWN BOLT, FLOATING SIDE, 7/8NC X 490 MM
2	4	HIA# 319-0749	TIE DOWN BOLT, RIGID SIDE, 7/8NC X 435 MM
3	16	HIA# 991-4978	NUT, HEX HD, 7/8NC
4	4	037-60-006	PLT - CLAMP FRONT CRANE INSTALLATION
5	4	037-60-009	SHIM PLATE
6	8*		WASHER, GRIPPER (*SUPPLIED WITH CRANE)
7	8*		WASHER, SQUARE (*SUPPLIED WITH CRANE)
8	8*		WASHER, RD (*SUPPLIED WITH CRANE)

* SUPPLIED WITH CRANE

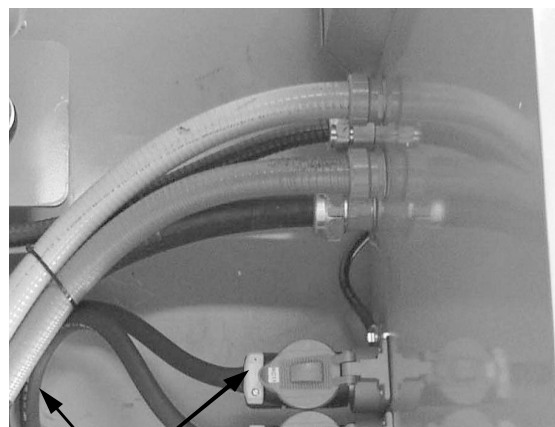


ITEM	QTY	PART NO	DESCRIPTION
1	1	037-20-002	AS - BASE WHOSER
2	1	037-20-008	AS - WHOSER POLE BOOM
3	2	CAT# 7X-0325	1/2-13UNC x 3 1/2 LNG HEX HD PLATED BOLT
4	4	CAT# 7X-0349	5/8-11UNCx3LNG HEX HD PLATED BOLT
5	4	CAT# 3K-2889	5/8-11 HARD, PLATED LOCK NUT
6	8	CAT# 8T-4122	WASHER-FLAT-HARD-PLATED 5/8-IN
7	2	CAT# 1K-6872	1/2-13 HARD, PLATED LOCK NUT
8	4	CAT# 8T-4223	WASHER-FLAT-HARD-PLATED 1/2-IN

OPT - WELDER POWER UNIT	037-35-001
--------------------------------	-------------------



037-05-05-005B

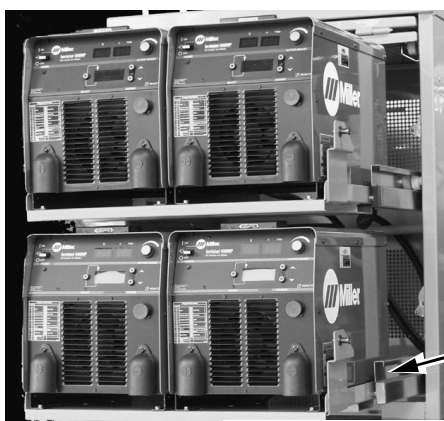


037-05-05-081C

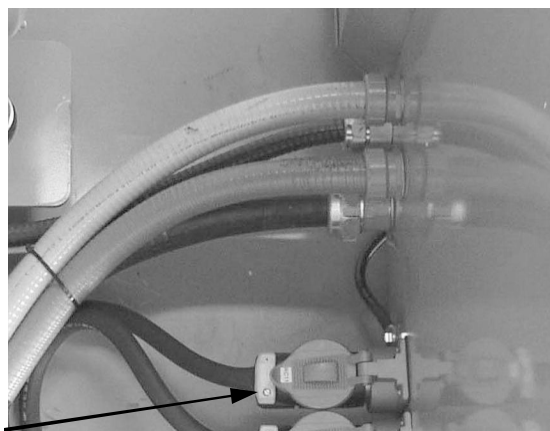
ITEM	QTY	PART NO	DESCRIPTION
1	*	037-40-004	GP - CONNECTION KIT, MILLER 456 WELDER
2	*	037-35-038	AS - WELDER, MILLER 456, 480V/60Hz
3	*	037-35-039	AS - WELDER, MILLER 304 XMT
4	*	037-35-040	AS - WELDER, LINCOLN V350 PRO

*SELECT ITEM AND QUANTITY (4 MAX) FROM LIST SHOWN. (WELDER ASSY'S INCLUDE CONNECTION KIT)

GP - WIRING WELDER, MILLER 456 WELDER (SINGLE)	037-40-004
---	-------------------



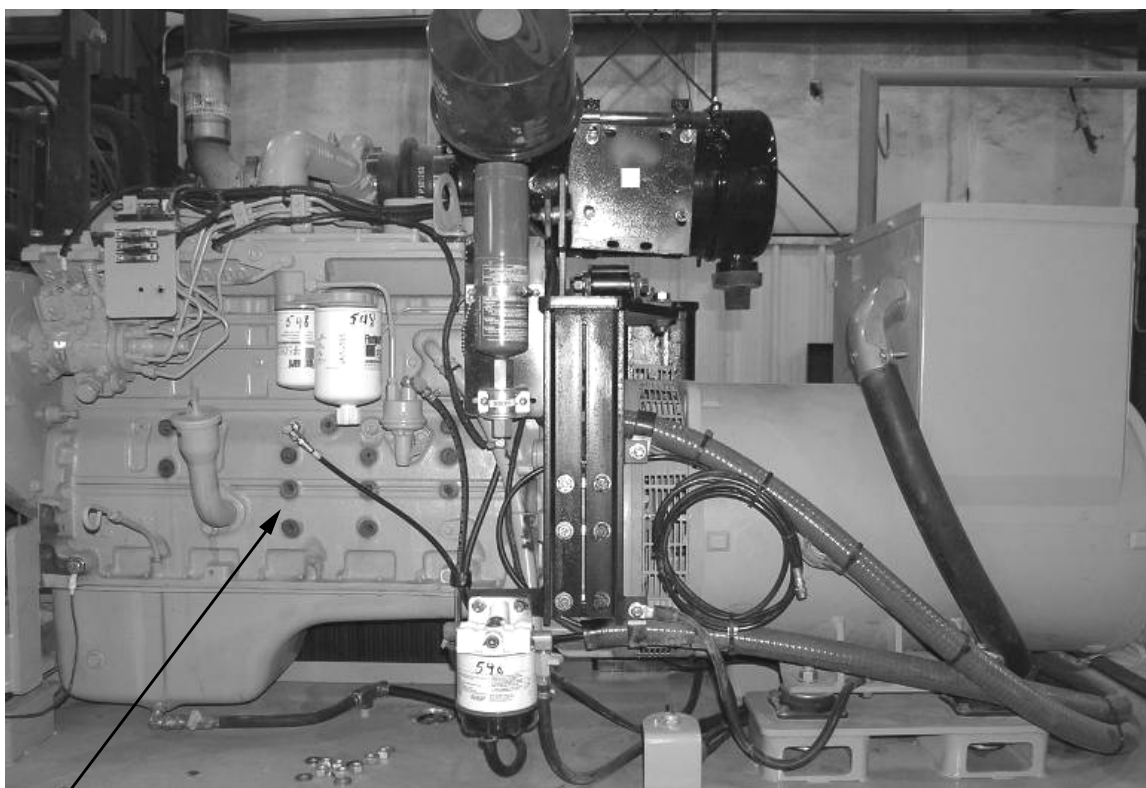
037-05-05-005B



037-05-05-081C

ITEM	QTY	PART NO	DESCRIPTION
1	1	THB# THB2547	.875 - .985 1" LT STRAIN RELIEF
2	1	IBV# LN1	1" LOCK NUT
3	2	IBV# RW114 X 1	1 ¼" - 1" REDUCING WASHER
4	1	HUB# CS8165C	CONNECTOR TWISTLOCK
5	10'	GEN# 16064.35.01	CAROL 8/4 SOW / SOOW CABTIRE X LL

ONE KIT REQ'D PER WELDER POWER UNIT

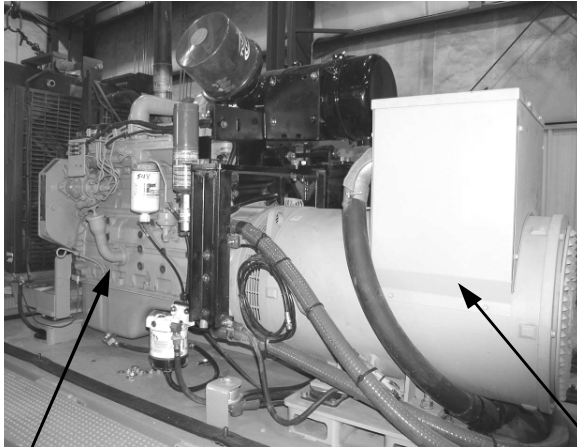


037-05-50-148C

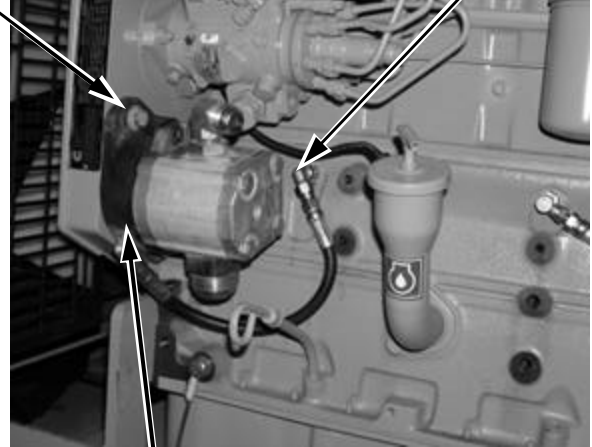
1, 2

ITEM	QTY	PART NO	DESCRIPTION
1	1*	037-50-076	GP - G-DR ENG W/ETHER / HYD PUMP DR
2	1*	037-50-077	GP - G-DR ENG W/ETHER

* SELECT 1 ITEM FROM LIST



037-05-50-147C



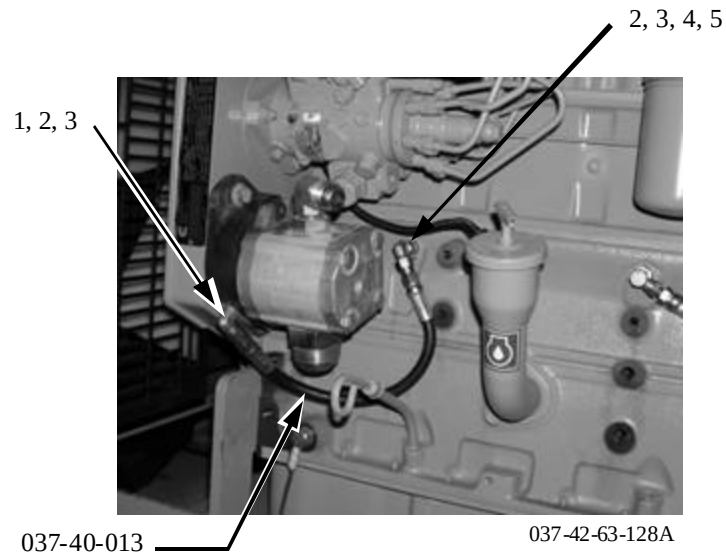
037-42-63-128A

ITEM	QTY	PART NO	DESCRIPTION
1	1	037-50-072	AS - GENSET DETAILS
2	1	037-50-070	AS-G-DR ENG W/ETHER/HYD PUMP DR
3	*	CMN# 3900637	(QTY 2) SCREW, HEX FLG HD CAP, M12 X 1.75 X 35
4	*	CMN# 3938655	(QTY 1) GASKET, ACC DRIVE COVER
5	*	CMN# 204048	(QTY 1) COVER PLATE
6	*	CMN# 3903990	(QTY 2) SCREW, HEX FLG HD CAP, M10 X 1.5 X 20
7	*	CMN# 154916	(QTY 1) GASKET, HYD PUMP
8	1	037-42-013 [†]	AS - HYD HOSE CRANE PUMP DRIVE LUBE
9	1	037-43-004	GP - FITTINGS, PUMP DRIVE ADAPTER

* PART OF ITEM 2

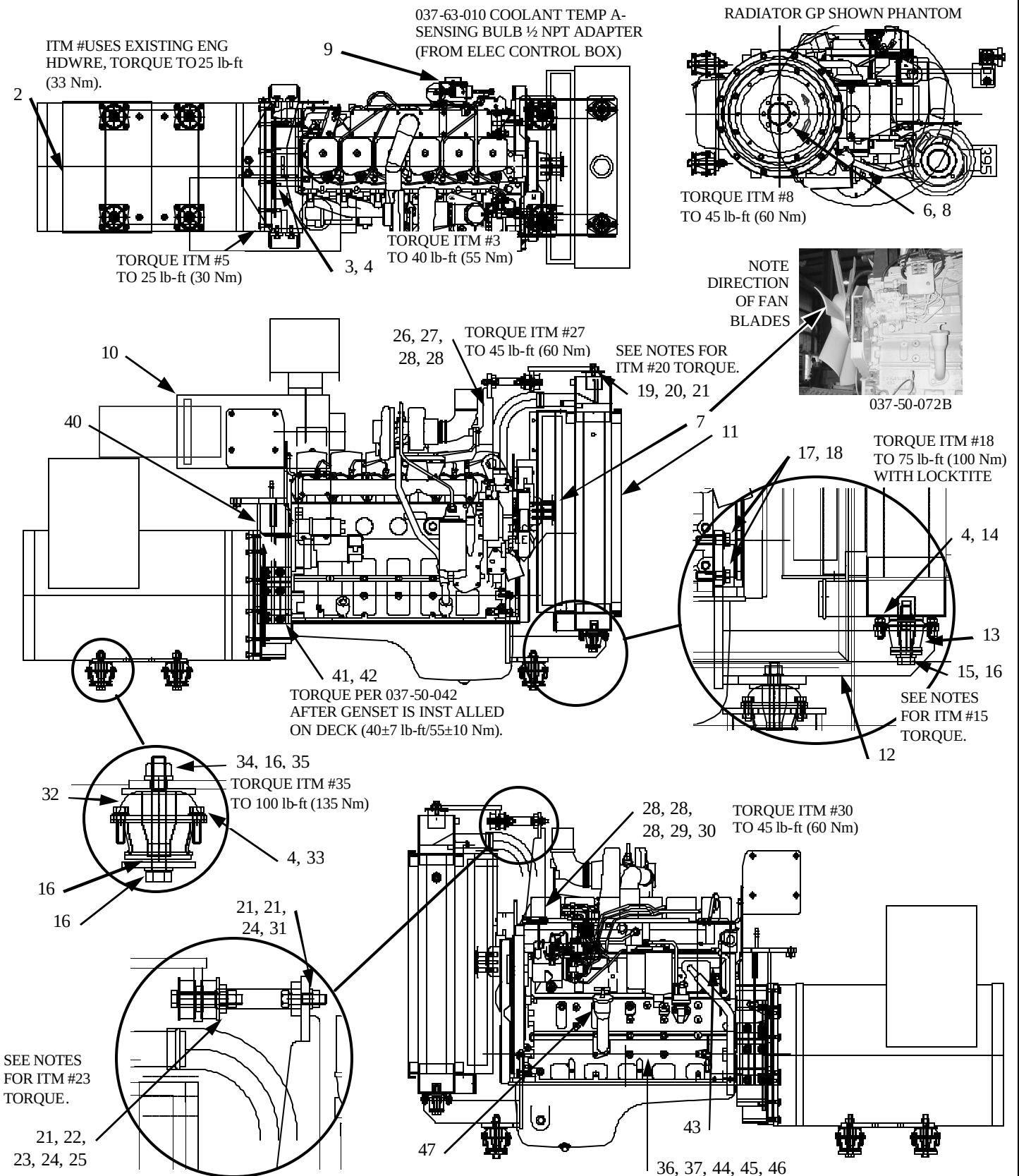
[†]NOTE: SEE 037-42-000 FOR HOSE ASSEMBLY INFO.

GP - FITTINGS, PUMP DRIVE ADAPTER, WELD DECK	037-43-004
--	------------



ITEM	QTY	PART NO	DESCRIPTION
1	1	PARK# 4M10C80MXS	90 DEG M -10MM - M-JIC - 4
2	2	PARK# 6-074	O RING
3	2	PARK# M10RR	RETAINING RING
4	1	PARK# 4M10F680MX5	ADAPTER M10 X 4 FM JIC
5	1	PARK# TLOX4-ETXS	90 DEG ELBOW 4 - JIC MALE / MALE

NOTES:



TORQUE SPECIFICATIONS USE THREADLOCK ON ALL BOLTS TORQUE ALL OTHER BOLTS TO CAT SPECIFICATIONS		
ITEM#	IMPERIAL (lb-ft)	METRIC (NM)
3	55	55
5	25	30
8	45	60
9	RE-USE EXISTING ENGINE HARDWARE	
	25	33
15	SEE RADIATOR INSTALLATION PROCEDURE	
18	75	100
20	SEE RADIATOR INSTALLATION PROCEDURE (Ø1/2 BOLT)	
23	SEE RADIATOR INSTALLATION PROCEDURE	
27	45	60
30	45	60
35	100	135
41	SEE 037-50-042	

RADIATOR INSTALLATION PROCEDURE

NOTE: ENGINE AND ISOLATOR BOLT-TORQUES AS PER ITM BALLOON NOTES. USE THREAD LOCK ON ALL BOLTS.

STABILIZER ISOLATORS--ITM 22--MUST NOT SUPPORT ANY LOAD IN RESTING POSITION. FOLLOW PROCEDURES LISTED BELOW. FAILURE TO FOLLOW THESE PROCEDURES COULD RESULT IN PREMATURE FAILURE OF THE RADIATOR CORE.

- 1) INSTALL RADIATOR ONTO SUPPORT ISOLATORS (ITM 13), TORQUE ITM #15 TO 36.9 lb-ft (50 Nm).
- 2) CENTER AND ALIGN FAN-SHROUD AND GUARD ON FAN, ENSURE ADEQUATE CLEARANCE TO FAN.
- 3) INSTALL ITM 26 & 29 (ENGINE BRACKETS) ONTO ENGINE; TORQUE BOLTS ITM 27 & ITM 30 AS PER CHART.
- 4) TEMPORARILY INSTALL ITM 19 (RAD STAY) LOOSELY ONTO RADIATOR.
- 5) INSTALL ITM 22 (ISOLATOR) ONTO #19 & #25 (ENGINE STAY), TORQUE ITM 23 TO 29.5 lb-ft (40 Nm). DO NOT TIGHTEN STAY ONTO RAD OR ENGINE BRKTS.
- 6) CONNECT ALL RAD-HOSES AND FILL RADIATOR TO CAPACITY (7.5 USGAL / 28.4 l).
- 7) COMPLETELY ALIGN ITM 19 (RAD STAY) WITH RADIATOR AND ITM 25 WITH # 26 & 29 (ENGINE BRACKETS) SO THAT ITM 22 (ISOLATOR) IS NOT DEFORMED IN ANY WAY; THREAD LOCK AND TORQUE 1/2-IN BOLTS TO 75 lb-ft (105 Nm), AS PER CAT TORQUE SPEC, ENSURING THAT ITM 15 DOES NOT DEFORM.
- 9) RECHECK FAN CLEARANCE BETWEEN SHROUD AND GUARD.

GP - GENSET DETAILS, WELD DECK			037-50-072
ITEM	QTY	PART NO	DESCRIPTION
2	1	037-50-069	GENSET
3	8	CAT# 5S-7379	BOLT-HEX HD-PLATED 3/8-16UNC x 7/8 LNG
4	36	CAT# 8T-4896	WASHER-FLAT-HARD-PLATED 3/8-IN
5	12	CAT# 8T-4186	BOLT-HEX HD-PLATED M10x1.5 x40mm LNG
6	16	CAT# 8T-4121	WASHER-FLAT-HARD-PLATED M10
7	1	037-50-013	FAN - ENG COOLING
8	4	CAT# 8T-6466	BOLT-HEX HD-PLATED M10x1.5 x60mm LNG
9	1	037-63-019	AS SOLENOID - RUN-IDLE
10	1	037-50-038	GP - AIR CLEANER
11	1	037-50-004	GP - RADIATOR
12	1	037-50-005	AS - ENGINE/RADIATOR BRKT
13	2	037-05-021	AS - VIBRATION ISOLATOR RAD MTG/ CONTROL CTR
14	4	CAT# 4L-6454	BOLT-HEX HD-PLATED 3/8-16UNC x 1 LNG
15	2	CAT# 8T-9396	BOLT-HEX HD-PLATED 5/8-11UNCx3-1/4 LNG
16	20	CAT# 8T-4122	WASHER-FLAT-HARD-PLATED 5/8-IN
17	4	CAT# 8T-4223	WASHER-FLAT-HARD-PLATED M12
18	4	CAT# 8T-4184	BOLT-HEX HD-PLATED M12x1.76 x 45mm LNG
19	2	037-50-031	AS - RAD ISO STAY
20	2	CAT# 8T-8917	BOLT-HEX HD-PLATED 1/2-13UNC x 1-1/4 LNG
21	8	CAT# 8T-4223	WASHER-FLAT-HARD-PLATED 1/2-IN
22	2	037-05-022	AS - VIBRATION ISOLATOR STABILIZER
23	2	CAT# 7X-0328	BOLT-HEX HD-PLATED 1/2-13UNC x 3-1/2 LNG
24	4	CAT# 1K-6872	HEX NUT, HARD, SELF-LOCKING 1/2-13UNC
25	2	037-50-029	AS - RAD ISO STAY ENG BRKT
26	1	037-50-022	AS - RAD ISO STABILIZER EXHAUST BRKT
27	2	CAT# 8T-4186	BOLT-HEX HD-PLATED M10x1.5 x 40mm LNG
28	5	CAT# 8T-4121	WASHER-FLAT-HARD-PLATED M10
29	1	037-50-026	AS - RAD ISO STABILIZER FUEL PUMP BRKT
30	3	CAT# 8T-4195	BOLT-HEX HD-PLATED M10x1.5 x 30mm LNG
31	2	CAT# 8T-4835	BOLT-HEX HD-PLATED 1/2-13UNC x 2 LNG
32	6	037-05-020	AS-VIBRATION ISOLTR GENSET
33	24	CAT# 9B-7237	BOLT-HEX HD-PLATED 3/8-16X1-1/4 LNG
34	6	CAT# 7X-0356	BOLT, HEX HD-PLATED 5/8-11UNC x 5 LNG
35	6	CAT# 3K-2889	HEX NUT-HARD-SELF-LOCKING 5/8-11UNC
36	1	037-43-001	FITTING GP - GENSET
37	1	037-42-001	HOSE GP - GENSET

GP - GENSET DETAILS			037-50-072
ITEM	QTY	PART NO	DESCRIPTION
39			NOT USED
40	1	037-50-043	AS - BELLHOUSE ROLL CONTROL BRKT
41	12	CAT# 8T-4956	BOLT - M12x1.75 x 35mm LNG HX HD PLATED
42	12	CAT# 8T-4223	WASHER - M12 HARD PLATED
43	1	037-50-074	GP - ETHER START 24V
44	1	037-40-001	GP - WIRING, GENSET
45	1	037-40-002	GP - WIRING, 24VDC ENGINE CONTROLS
46	1	037-09-001	GP - LABELS
47	1	037-63-030	SWITCH, OIL PRESSURE

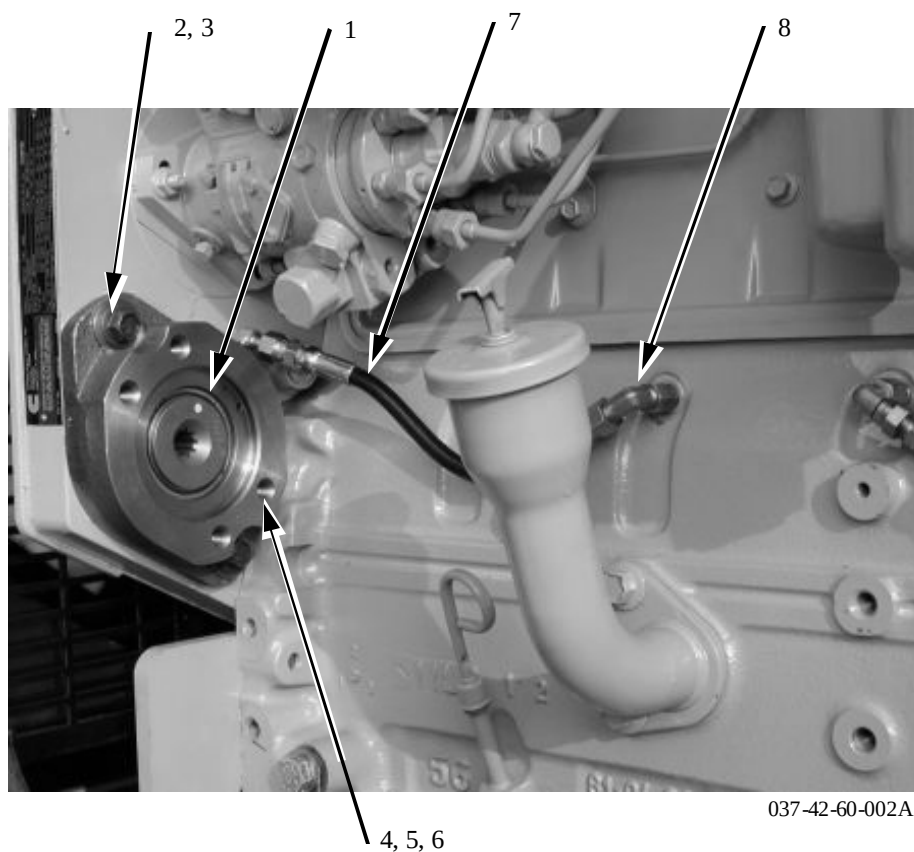


037-05-50-147C

ITEM	QTY	PART NO	DESCRIPTION
1	1	037-50-072	AS - GENSET DETAILS
2	1	037-50-071	AS-G-DR ENG W/ETHER

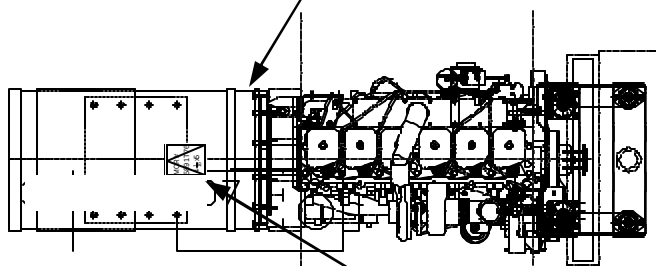
NOTE: SEE 037-50-073 FOR OPTIONAL PUMP UPGRADE KIT

SEE PAGE 50 FOR 037-50-072 DETAILS



ITEM	QTY	PART NO	DESCRIPTION
1	1	CMN# 3939963	DRIVE, HYD PUMP (DF9008-03)
2	*	CMN# 3900637	(QTY 2) SCREW, HEX FLG HD CAP, M12 X 1.75 X 35
3	*	CMN# 3938655	(QTY 1) GASKET, ACC DRIVE COVER
4	*	CMN# 204048	(QTY 1) COVER PLATE
5	*	CMN# 3903990	(QTY 2) SCREW, HEX FLG HD CAP, M10 X 1.5 X 20
6	*	CMN# 154916	(QTY 1) GASKET, HYD PUMP
7	1	037-42-013	HOSE - ENGINE BLOCK TO ADAPTER DRIVE - 9 3/4"
8	1	037-43-004	GP - FITTINGS, PUMP DRIVE ADAPTER

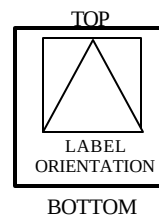
#211-0686
MOUNT TO BATTERY
DISCONNECT (NOT SHOWN)



18



037-05-50-142 A



MCR# 5026T82 (NO
SMOKING LARGE)
MOUNT TO AIR FILTER
CANISTER ON CL

9

MCR #5891T76
8 (GDS IN PLACE 4 1/6 x 5)
CENTRED ON ALT

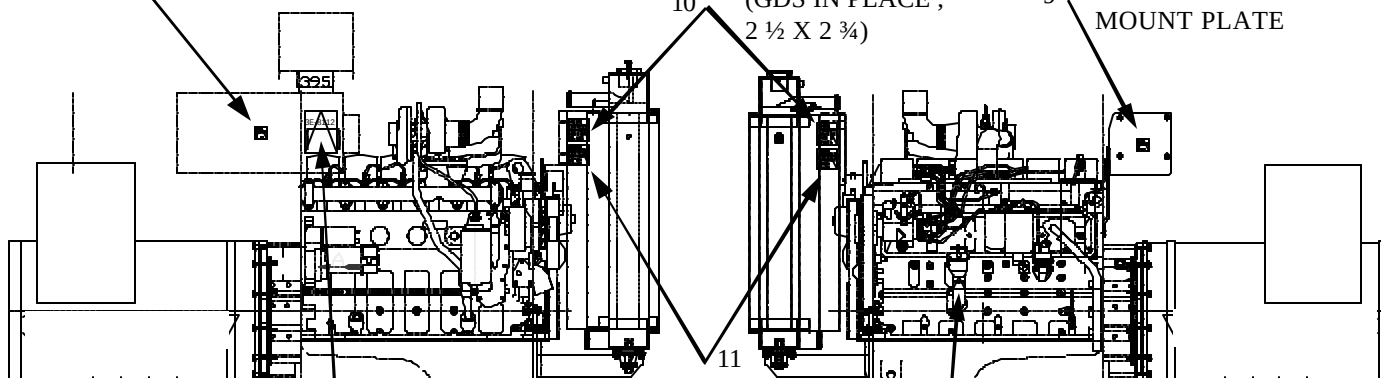
8

MCR #5891T76
(GDS IN PLACE ,
2 1/2 X 2 3/4)

10

MCR# 5026T82 (NO
SMOKING LARGE)
MOUNT TO AIR FILTER
MOUNT PLATE

9



MCR #5891T61
(OPEN MACH,
2 1/2 X 2 3/4)

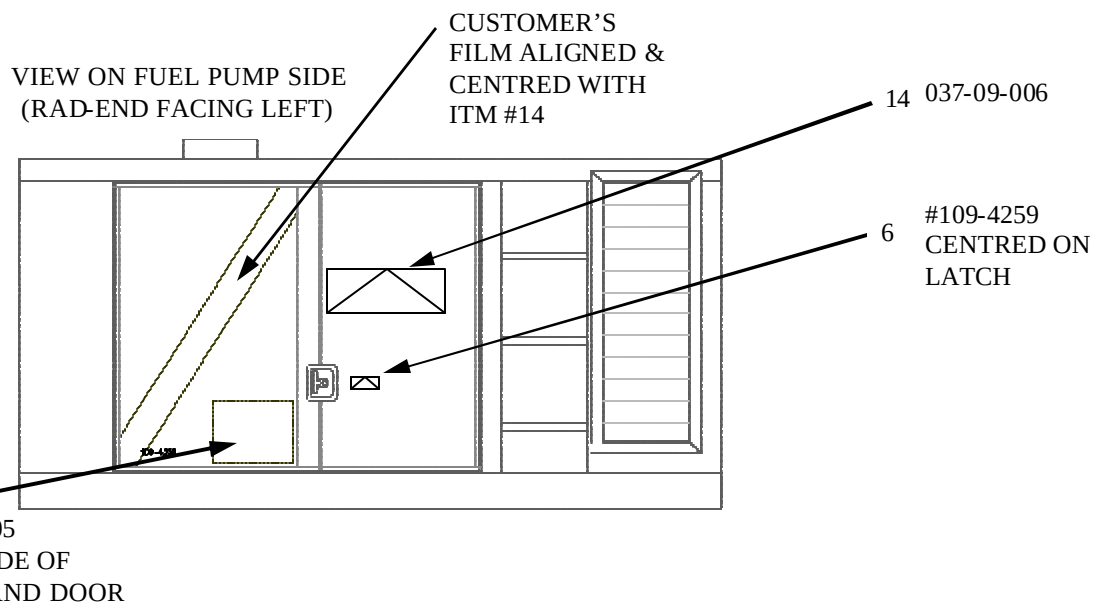
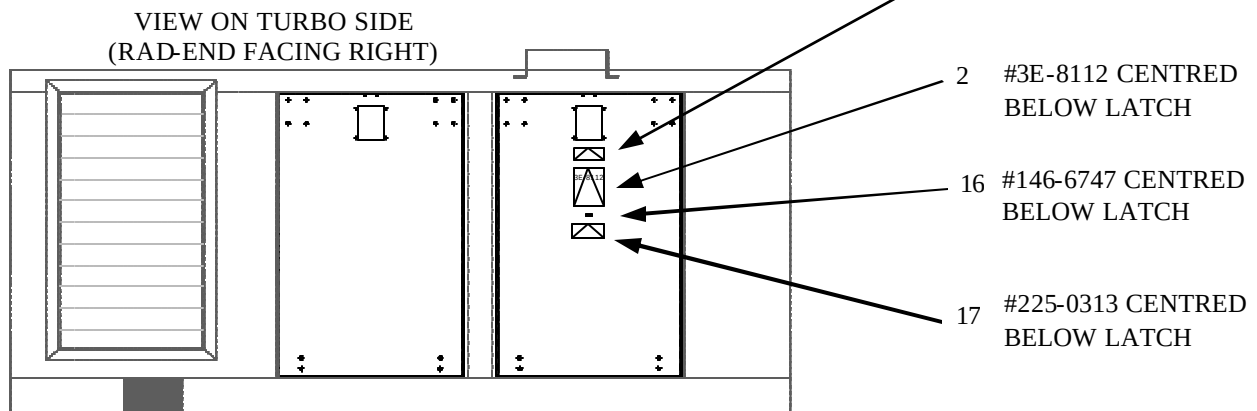
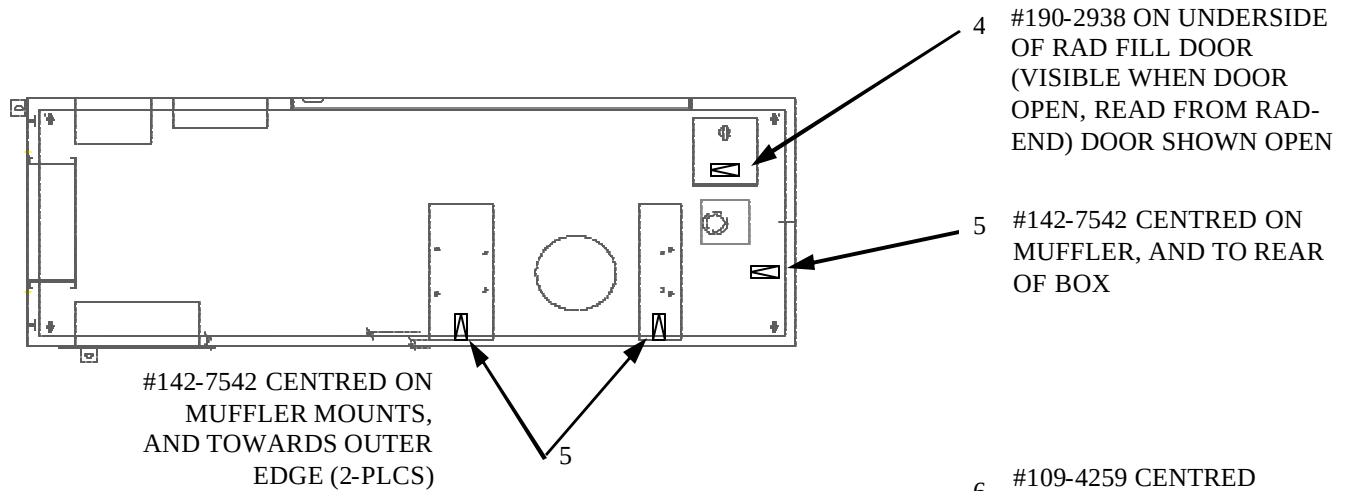
11

#9X-6340
CENTRED ON
OIL FILL TUBE

3

#3E-8112
CENTRED ON
AIR FLTR
CANISTER

2



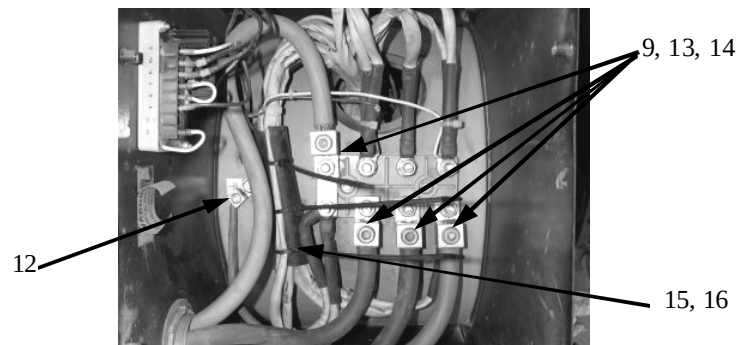
GP - DECALS, WELD DECK, ELEC BOX			037-09-001
ELEC CONTROL / DISTRIBUTION BOX			
ITEM	QTY	PART NO	DESCRIPTION
1	1	CAT# 211-0686	FILM - (IGNITION SW, ON BATTERY DISCONNECT)
2	2	CAT# 3E-8112	FILM - WARNING (JUMPER CABLE CONNECTIONS)
3	1	CAT# 9X-6340	FILM - INSTRUCTION (ENGINE OIL)
4	1	CAT# 190-2938	FILM - WARNING (PRESSURIZED COOLANT)
5	3	CAT# 142-7542	FILM - WARNING (HOT SURFACE)
6	2	CAT# 109-4259	FILM - WARNING (ELECTRO-DO NOT SERV-READ MAN)
7	2	CAT# 142-7546	FILM - WARNING (HIGH VOLTAGE)
8	1	MCR# 5891T76	LABEL-DANGER (DO NOT OP WITHOUT GD) 4-1/16 x 5
9	2	MCR# 5026T82	LABEL-PICTOGRAM (NO SMOKING) LARGE
10	2	MCR# 5891T76	LABEL-DANGER (DO NOT OP WITHOUT GD) 2.5 x 2.75
11	2	MCR# 5891T61	LABEL-DANGER (OPEN MACHINERY) 2.5 x 2.75
12	1	MCR# 5891T59	LABEL-DANGER (HIGH VOLTAGE) 2.5 x 2.75
13	1	037-09-005	LABEL, OIL CHANGE INTERVALS
14	1	037-09-006	IDENT LABEL, 16 IN
15	1	037-09-007	IDENT LABEL, 8 IN
16	1	CAT# 146-6747	FILM - (24-VOLT)
17	1	CAT# 225-0313	FILM - WARNING (JUMP START)
18	1	MAR#846837-01	LABEL - DANGER (HIGH VOLTAGE) C/W ALTERNATOR
19	1	032-09-016	DECAL-VEI MARK, C/W PAT PENDING (PATENT PENDING)
20	1	ACM# A1702075	LABEL - WIRING DIAGRAM XTR1 (PART OF TRANSFORMER)
21	1	037-08IN-002	INSTALLATION - FILM WELDDACK (NOT SHOWN)

NOTES:

INSIDE GENERATOR CAN



037-40-50-100A



037-40-50-130A

REAR OF CONTROL/DISTRIBUTION

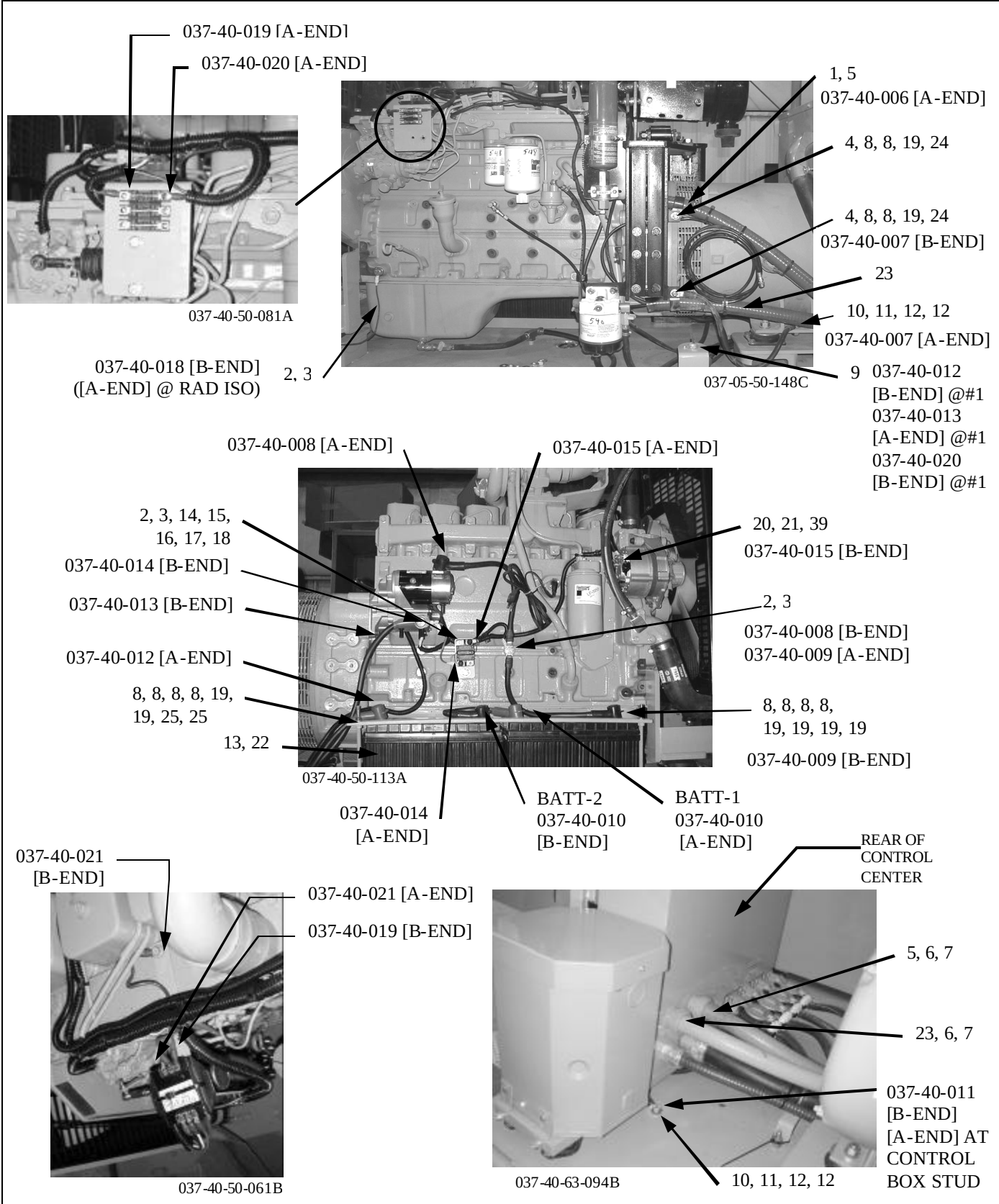


037-40-63-094D

GP - WIRING, GENSET			037-40-001
ITEM	QTY	PART NO	DESCRIPTION
1	1	THB# STE 200	ALUM STARTECH CONN. JACKET 1.825-2.375 ARMOR
2	1	THB# LN2 [F1T1008]	2 IN STEEL LOCK NUT
3	1	CAT# 4L-6454	3/8 IN-16 x 1 NC HEX BOLT
4	2	IBV# PB2 [FIT2608]	2 IN PLASTIC BUSHING
5	15 FT	GEN# 82414 - TYPE G	SUPER VUTRON G - 4/0 - 4 COND. CABLE
6	1	037-10-075	MAIN POWER CABLE SUPPLY BRACKET
7	1	IBV#102 [F1T2308]	2 IN EMT – 1 HOLE STRAP
8	2	CAT# 5P-2228	½ IN -13 x 1 NC HEX BOLT
9	1	CAT# 2K-4973	3/8 IN - 16 NC LOCK NUT
10	2	CAT# 8T-4223	FLAT HARD WASHER ½ IN
11	1	TPZ# 106-2 IN	90 DEG 2 IN COUPLER (SPECIFY TOPAZ MFG ONLY)
12	1	THB# ADR2	BOLT CONNECTOR - DRILL OUT HOLE TO 3/8 IN
13	4	THB# ADR25	BOLT CONNECTOR - DRILL OUT HOLE TO 3/8 IN
14	10	CAT# 8T-4896	3/8 IN HARD WASHER
15	6 IN	GTS# 24212	HOSE, 3/4" RAD, SPLIT
16	3	CAT# 7K-1181	ZIP STRAP, 6"

GP - WIRING, 24VDC ENGINE CONTROLS, WELD DECK

037-40-002

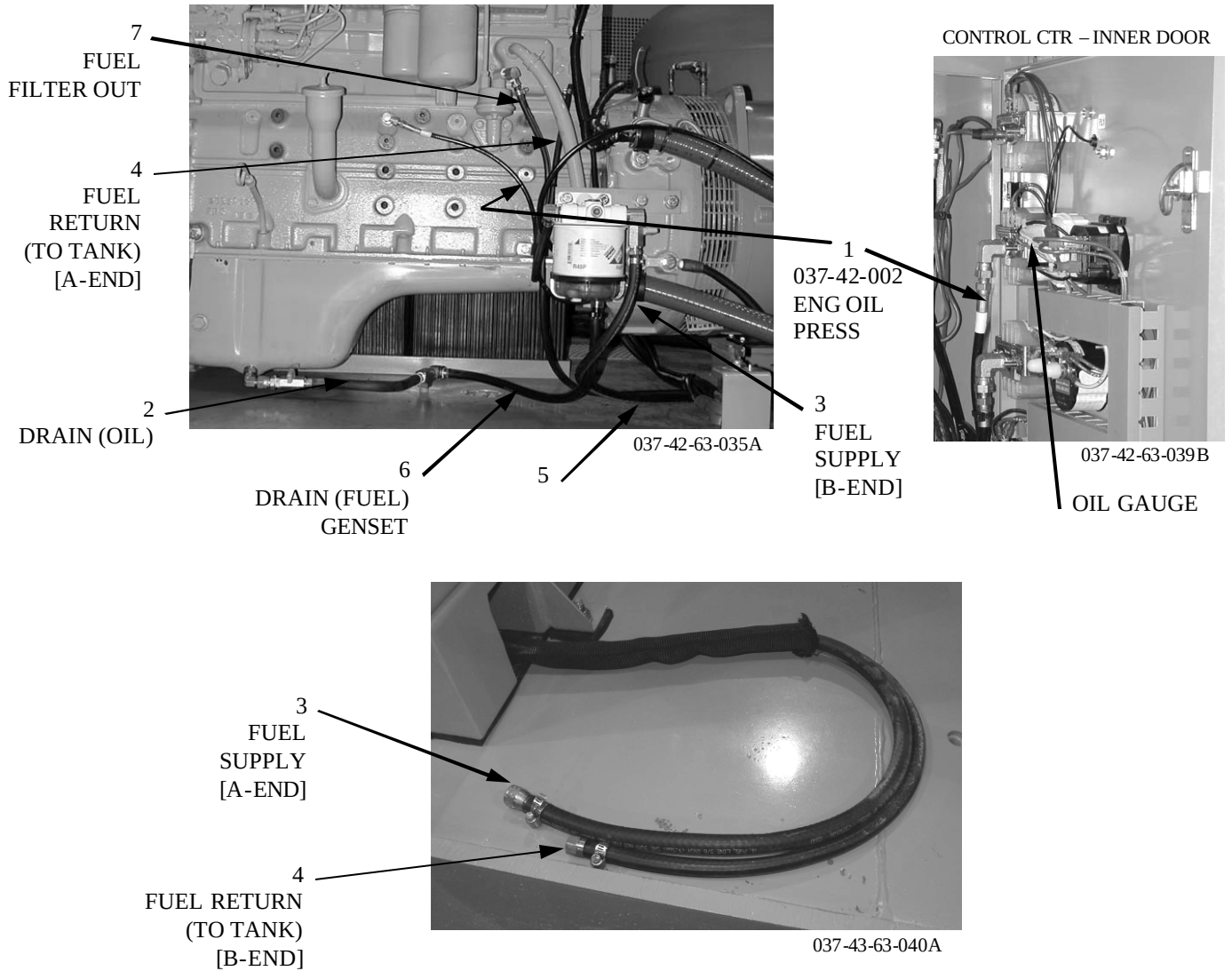


GP – WIRING, 24VDC ENGINE CONTROLS			037-40-002
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-40-000	WELDER WIRE INSTALLATION CHART
2	2	CAT# 8T4192	HEX HDBOLT M12 X 1.75 X 25 MM
3	2	CAT# 8T-4223	FLAT HARD WASHER M12
4	2	PARK# CL-26	CLAMP 1 9/16 ID
5	152.5"	IBV# NMUA1250	HOSE NON-METAL GRAY LIQUIDTITE 1 ¼"
6	2	BGP# 433-LT2.1 1/4"	LIQUIDTITE 1 ¼" STRAIGHT CONNECTOR
7	2	T&B# PB-114	PLASTIC BUSHING
8	12	CAT# 8T-4896	FLAT HARD WASHER 3/8"
9	1	CAT# 7N-0718	SWITCH SHUT OFF
10	2	CAT# 8T-8917	HEX HD BOLT ½ - 13NC X 1 1/4"
11	2	CAT# 1K-6872	NUT ½ - 13NC LOCK
12	4	CAT# 8T-4223	FLAT HARD WASHER ½"
13	2	CAT# 9X-3404	BATTERY GP31-12V-900 CCA-100AMP HR CAP @ 20 HRS
14	1	037-50-035	PLT - DC ALT EXCITATION
15	2	CAT# 8T-8908	HEX HD BOLT ¼ -20NC X 1"
16	2	CAT# 2D-6235	LOCK NUT ¼ - 20NC
17	4	CAT# 8T-4205	FLAT HARD WASHERS ¼"
18	1	BSM# 7100	BREAKER 50 AMP
19	8	CAT# 2K-4973	LOCK NUTS 3/8" - 16 NC
20	1	CAT# 5C-7261	NUT 8 MM AT ALTERNATOR
21	1	CAT# 8T-4224	WASHER 8 MM AT ALTERNATOR
22	2	037-50-075	BATTERY FRAME LINER
23	152.5"	IBV# NMUA1250	HOSE NON-METAL GRAY LIQUIDTITE 1 ¼"
24	2	CAT# 9B-7237	HEX HD BOLT 3/8-16NC X 1 1/4
25	2	CAT# 6V-8801	HEX NUT 3/8-16NC

NOTES:

GP - HOSES, GENSET

037-42-001



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-42-002	AS - HOSE ENG OIL PRESS GAUGE
2	9.5"	GTS# 27004	HOSE DRAIN FOR ENGINE OIL - 3/8"
3	96"	GTS# 27004	HOSE FUEL SUPPLY LINE 3/8"
4	108"	GTS# 27002	HOSE FUEL RETURN LINE 1/4"
5	70"	PARK# AS-B-15	PARTEX SLEEVE GUARDING FUEL LINES
6	19"	GTS# 27004	HOSE DRAIN FOR RACOR FUEL 3/8"
7	24"	GTS# 27002	HOSE FUEL SUPPLY LINE 1/4"

GP - FITTINGS, GENSET

037-43-001

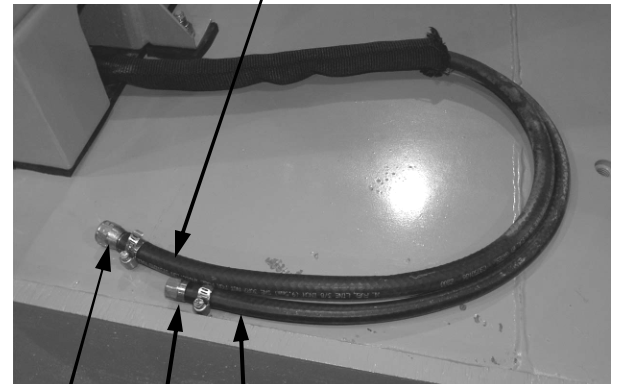
CONTROL/DISTRIBUTION CTR
(MAIN PANEL & INNER DOOR)



037-42-63-039A

23
037-42-002

3/8" FUEL SUPPLY LINE
A-END 037-42-001 [#3]



037-43-63-040A

16, 31

32, 16

1/4" FUEL RETURN LINE
B-END 037-42-001 [#4]

14, 15, 16
037-42-001 [#7]

16

1, 2, 3, 20
037-42-002

30

16, 22

4, 5, 6

11, 11, 18, 24

7, 8, 9,
10, 11, 12

037-42-001 [#2]

13
BELOW
DECK

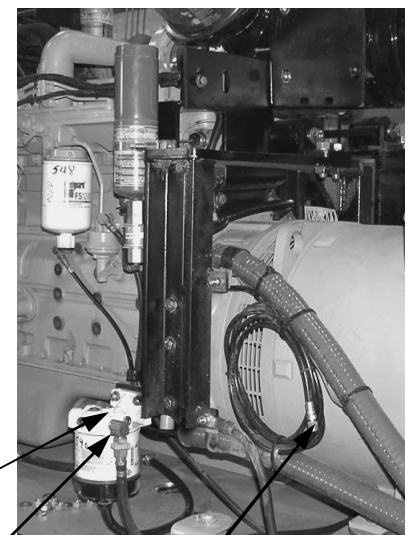
037-42-001 [#6]

037-42-63-0035A

037-42-001 [#3]
B-END

19, 19, 25, 25, 26, 26,
26, 26, 27, 28

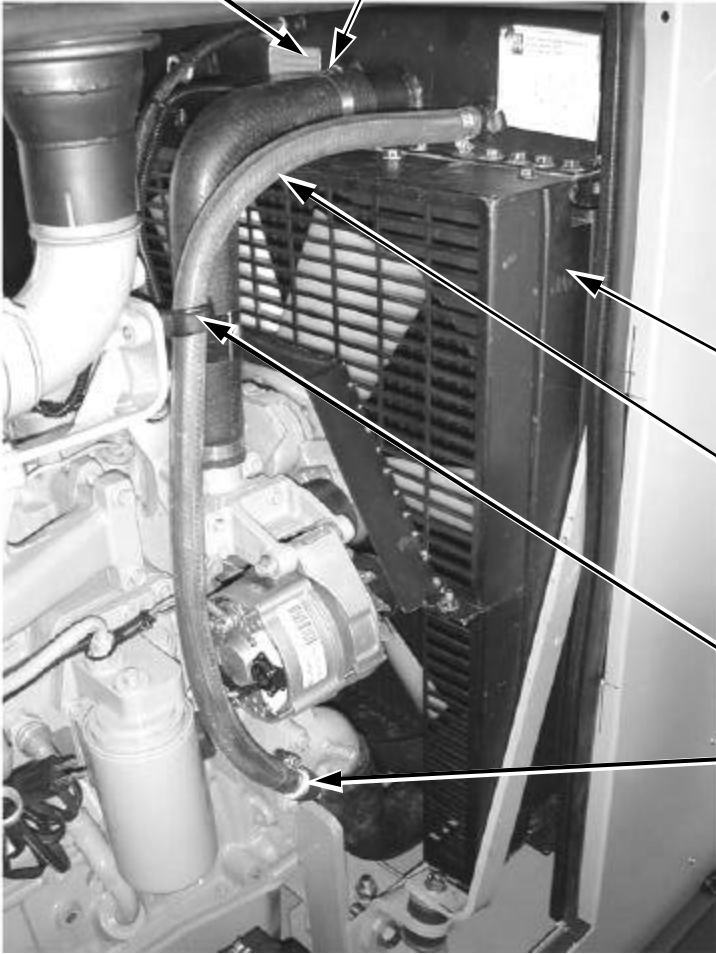
11, 16, 17, 18

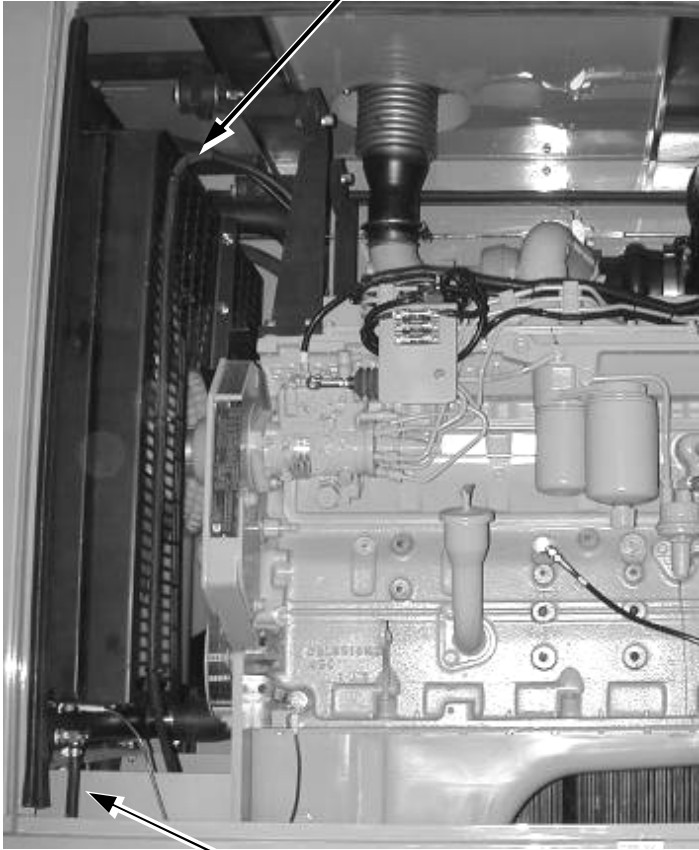


21

037-05-50-147C

GP - FITTINGS, GENSET			037-43-001
ITEM	QTY	PART NO	DESCRIPTION
1	1	PARK# 6901-U-2	90 DEG ELBOW 4 STOR - 2 FM NPT
2	1	PARK# M10RRS	RETAINING RING
3	1	PARK# 6-074-NO552	O RING
4	1	PARK# CL17	CLAMP 1 IN ID
5	1	CAT# 8T-4200	HEX HD BOLT 8MM X 16MM
6	1	CAT# 8T-4224	FLAT HARD WASHER 8MM
7	1	PARK# 8M18C80MX	90 DEG MALE ELBOW METRIC PARALLEL THREAD M18 - 12
8	1	PARK# -2-114-N0552	SEAL METRIC M18
9	1	PARK# M18RRS	RETAINING RING
10	1	PARK# MV609-6	BALL VALVE NPT FM 3/8 IN
11	4	PARK# 125HBL-6-6	BRASS HOSE FTG 3/8 IN NPT M - 3/8 IN PUSH ON HOSE END
12	1	PARK# 8F6X	SWIVEL CONNECTOR FMS JIC - M NPT 12-6
13	1	PARK# 213P-6	BRASS HEX CAP FM NTP 3/8 IN
14	1	PARK# 2202P-4-4	BRASS 90 DEG STREET ELBOW NPT ¼ IN
15	1	PARK# 125HBL-4-4	BRASS HOSE FTG ¼" NPT MALE - ¼" BARB HOSE END
16	6	PARK# MH-4	CLAMP HOSE ¼ IN HOSE
17	1	PARK# MV608-6	BALL VALVE M - FM 3/8 NPT
18	2	PARK# 2202P-6-6	BRASS 90 DEG STREET ELBOW 3/8 NPT
19	2	CAT# 4L-9337	HEX HD BOLT 3/8" x 1 1/2"
20	1	PARK# M10-4F80HG5S	ADAPTER 10MM - 4 STOR
21	1	PARK# 213P-2	CAP HEX NPT FM 1/8"
22	1	PARK# 129HB-4-6	90 DEG ELBOW 3/8 NPT M - ¼ BARB HOSE END
23	1	PARK# 2207-2-2	90 DEG ELBOW NPT 1/8 FM - FMS
24	1	PARK# 2203P6	BRASS TEE FM 3/8" NPT
25	2	CAT# 2K-4973	LOCK NUTS 3/8 - 16 NC
26	4	CAT# 8T-4896	HARD WASHER 3/8
27	1	RAC# 645R30	RACOR FILTER ASSY - 30 MICRON
28	*	RAC# R45P	REPLACEABLE FILTER - 30 MICRON (PART OF RAC# 645R30)
29	1	037-63-018	SENDER - SPEED
30	1	PARK# M10-1/8F8OHC	ADAPTER, M10 M TO 1/8 NPTF (OIL PRESSURE SWITCH)
31	1	PARK# BHB3145-6-6	BRASS JIC FMS-6- 3/8" HOSE BARB
32	1	PARK# 146HBLFSV-4-4	BRASS SAE FMS-4-1/4" HOSE BARB

GP - RADIATOR			037-50-004
ONE ON INTAKE SIDE, ONE ON DISCHARGE SIDE [S/N CA00600021 – 0111 REQUIRE QTY (1) ONLY ITM 4] 037-40-016 [A-END] (DISCHARGE SIDE) 037-40-016 [B-END] (DISCHARGE SIDE) 4  037-42-63-024D			
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-50-037	AS - RADIATOR
2	1	037-42-003	GP - RADIATOR HOSE
3	1	037-43-002	GP - RADIATOR FITTINGS
4	2	037-63-016	PROBE - COOLANT LEVEL



037-05-50-0118A

NOTE: REMOVE 1.5" AT LONG END OF 90° ELBOW (ALTERNATE GATES VELCO FLEX 26502 1 X 16.5)



037-42-63-024D

1
RAD
DRAIN

2
VENT

3
HOT, ENG
OUT/RAD IN

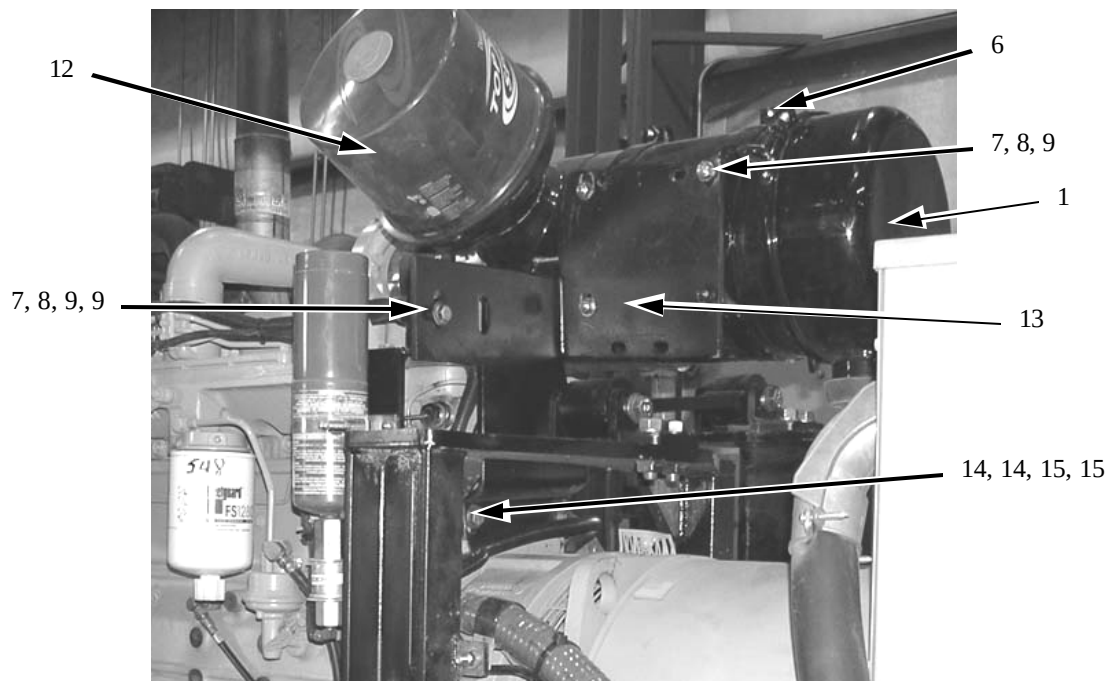
4
MAKE-UP

5
COLD, ENG
IN/RAD OUT

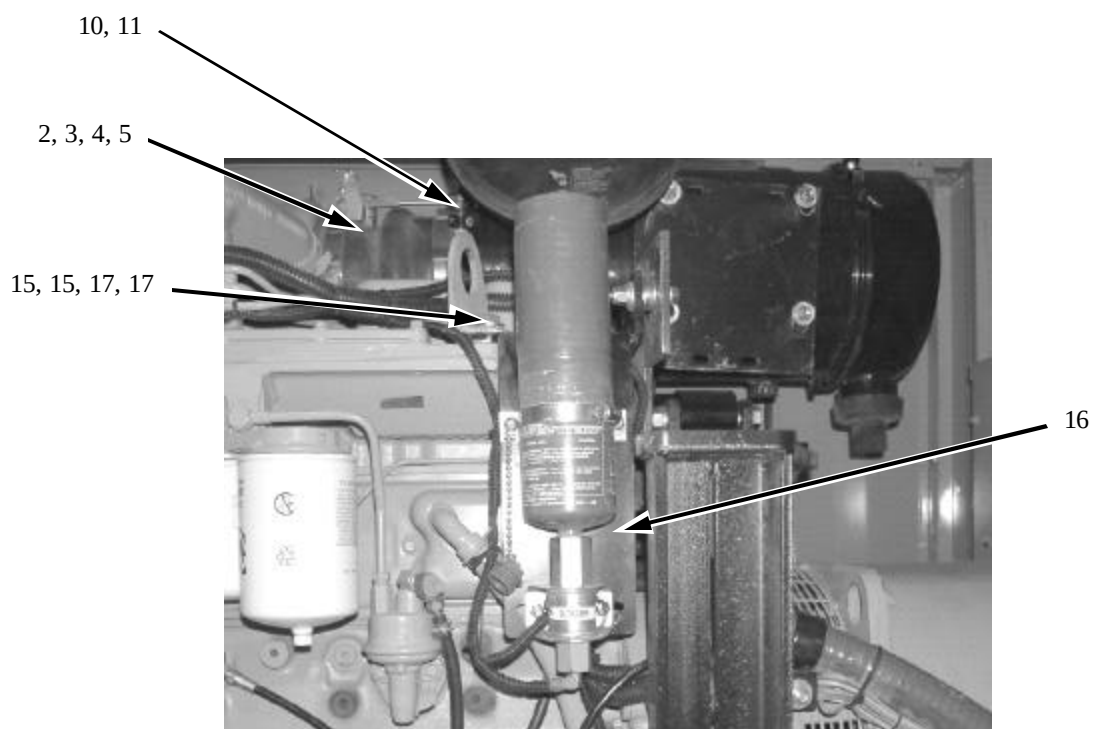
ITEM	QTY	PART NO	DESCRIPTION
1	36"	GTS# 27004	HOSE RADIATOR DRAIN 3/8"
2	19"	GTS# 28407	HOSE COOLANT BLEED ¼"
3	1	GTS# 7694	HOSE UPPER RADIATOR
4	32"	GTS# 24212	HOSE, FILLER - 3/4" ID HEATER HOSE
5	1	GTS# 7905	HOSE LOWER RADIATOR

GP - FITTINGS, RADIATOR			037-43-002
ITEM	QTY	PART NO	DESCRIPTION
1	2	PARK# 125HBL-4-4	BRASS ¼" NPT MALE - ¼" HOSE BARB
2	3	PARK# MH-4	CLAMP HOSE ¼" HOSE
3	1	PARK# DC607-4	BRASS DRAIN VALVE ¼ M NPT - 3/8 HOSE
4	1	PARK# 209P-8-4	BRASS BUSHING NPT 1/2 - ¼" M - FM
5	2	PARK# 88HC -32	CLAMP HOSE UPPER RAD HOSE
6	1	PARK# 209P-6-4	BRASS BUSHING NPT 3/8 - ¼ M - FM
7	2	PARK# HC-12	HOSE CLAMP
8	1	PARK# 2202P-8-8	BRASS 90 DEG STREET ELBOW NPT ½"
9	1	PARK# 125HBL-12-8	BRASS NPT 1/2" - 3/4" HOSE BARB
10	2	PARK# 88HC-36	CLAMP HOSE LOWER RAD HOSE
11	1	037-43-005	PLATE - CLAMP SPACER
12	1	PARK# CL17	CLAMP
13	1	CAT# 4L-6454	HEX HD BOLT 3/8-16NC X 1 LNG
14	2	CAT# 8T-4896	WASHER, FLAT HARD 3/8 IN
15	1	CAT# 2K-4973	NUT, HEX HD, LOCK 3/8-16NC

NOTES:



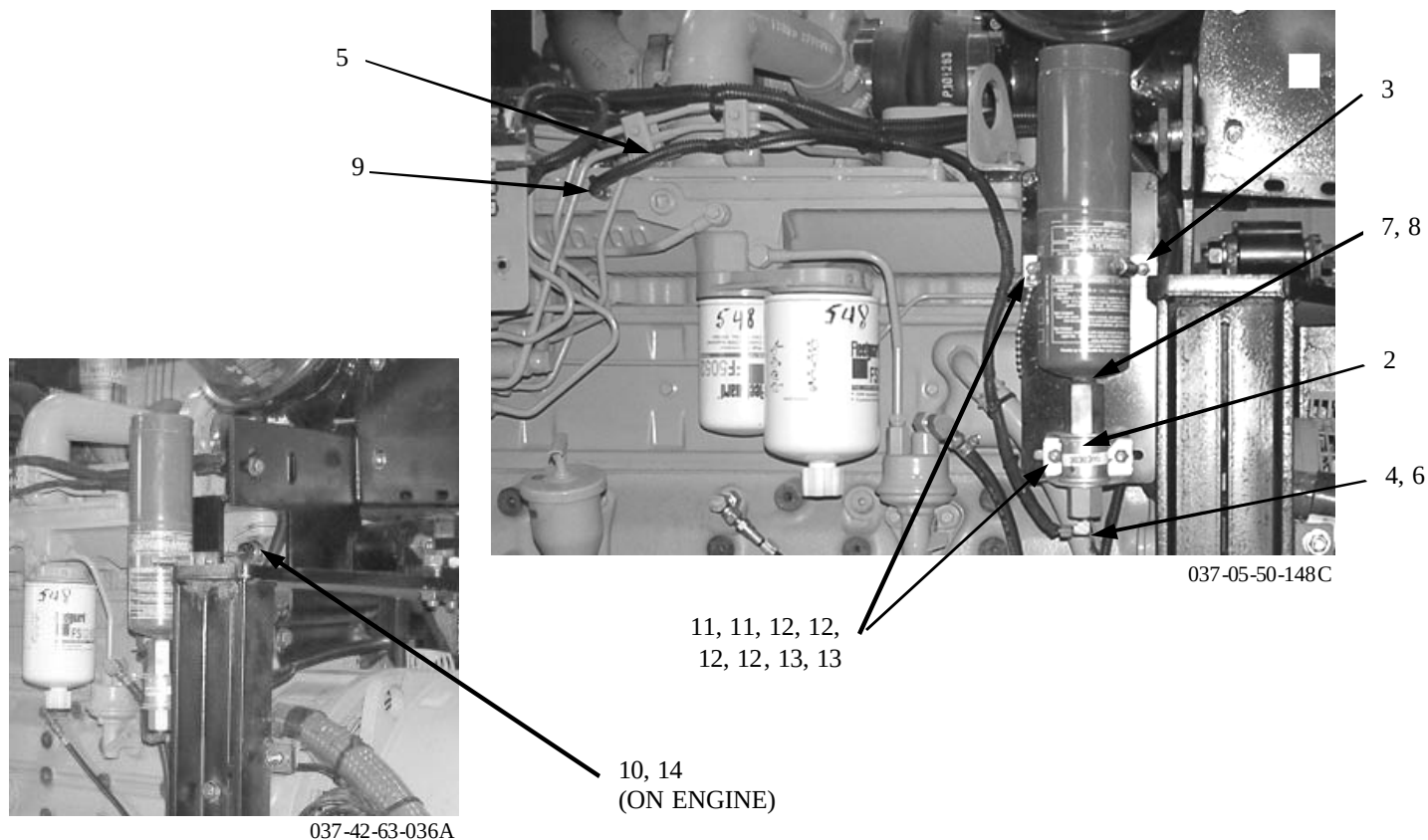
037-05-50-147A



037-05-50-146A

GP - AIR CLEANER, GENSET			037-50-038
ITEM	QTY	PART NO	DESCRIPTION
1	1	DON# G100395	AS - FRG RADIAL SEAL AIR CLEANER
*	*	DON# P601790	(QTY 1) FLTR - PRIMARY ELEMENT (PART OF ITEM 1)
*	*	DON# P777639	(QTY 1) FLTR - SAFETY ELEMENT (PART OF ITEM 1)
*	*	DON# P101401	(QTY 1) O - RING REPLACEMENT (PART OF ITEM 1)
*	*	DON# P103198	(QTY 1) VALVE - VACUATOR (PART OF ITEM 1)
2	1	DON# P101293	HOSE - HUMP 5-IN - 4-IN RUBBER REDUCER
3	1	CDL# EXA7-423	INSERT - RUBBER REDUCER 4-IN - 3-IN
4	1	DON# P148345	CLAMP - T-BOLT 5.31-5.59-IN
5	1	DON# P148343	CLAMP - T-BOLT 4.31-4.59-IN
6	2	DON# P004076	MOUNTING BAND - 10.19-IN
7	5	CAT# 9B-7237	HEX HARD BOLT 3/8-16NC x 1-1/4 IN
8	5	CAT# 2K-4973	LOCK NUT 3/8-16 NC
9	10	CAT# 8T-4996	HARD WASHER 3/8 IN
10	1	DON# X002352	MINI INDICATOR - AIR FLTR SERVICE 25-IN H20/6.2kPa
11	1	PARK# 2214P-2-2	BRASS 45 DEG STREET ELBOW NPT 1/8IN
12	1	DON# H002427	PRECLEANER - TOPSPIN 4.56-IN OUTLET
13	1	037-50-039	AIR CLEANER MOUNTING BRACKET
14	2	CAT# 8T-4139	HEX BOLT M12-1.75 x 30 MM LNG
15	4	CAT# 8T-4223	HARD WASHER M12
16	1	037-50-040	AIR CLEANER SUPPORT BRACKET
17	2	CAT# 8T-4956	HEX BOLT M12 X 1.75 X 35 MM LNG

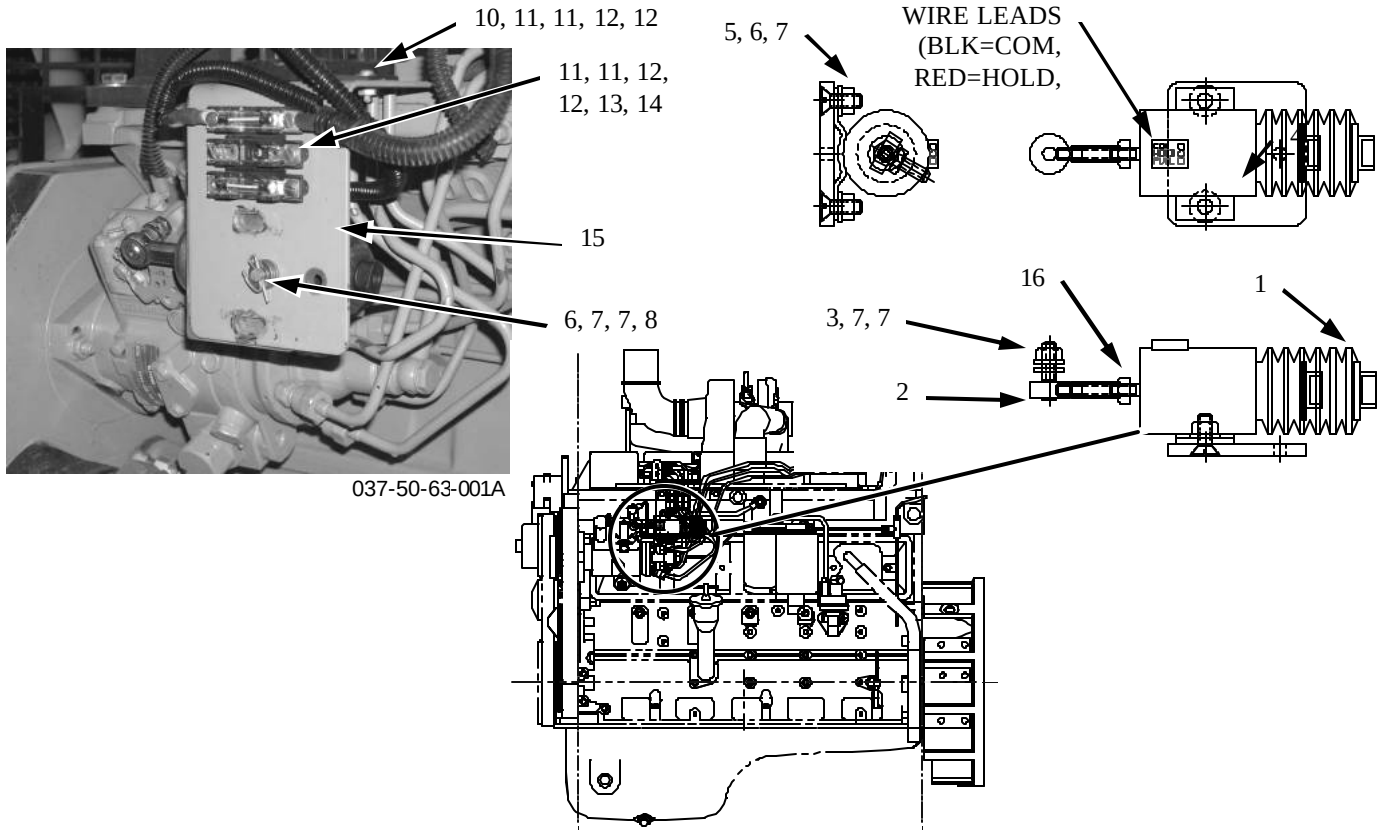
GP - ETHER START GENSET	037-50-074
-------------------------	------------



ITEM	QTY	PART NO	DESCRIPTION
2	1	FLT# 3830398	VALVE 3CC 24V
3	1	FLT# 3302698	CLAMP
4	1	FLT# 3302700	FITTING 90°
5	1	FLT# 259369	TUBING, NYLON, 48 IN LG (PART OF ITEM 1) CUT TO SUIT
6	1	FLT# 3302699	COMPRESSION FTG
7	1	FLT# 3303899S	GASKET SEAL
8	1	FLT# 3302657	ETHER BOTTLE (US) (#259345 IN CANADA)
9	1	FLT# 3316410	ATOMIZER NOZZLE
10	1	FLT# 0259377	TEMP SENSOR 100° 1/2"NPT
11	6	CAT# 2D-6235	LOCK NUT, PLATED 1/4-20NC
12	10	CAT# 8T-4205	HARD WASHER, PLATED ¼ IN
13	4	CAT# 8T-8908	HEX HARD BOLT PLATED 1/4-20NC x 1 LNG
14	1	PARK# 209P-12-8	BUSHING BRASS NPT 3/4IN / ½ IN FOR ETHER THERMOSTAT

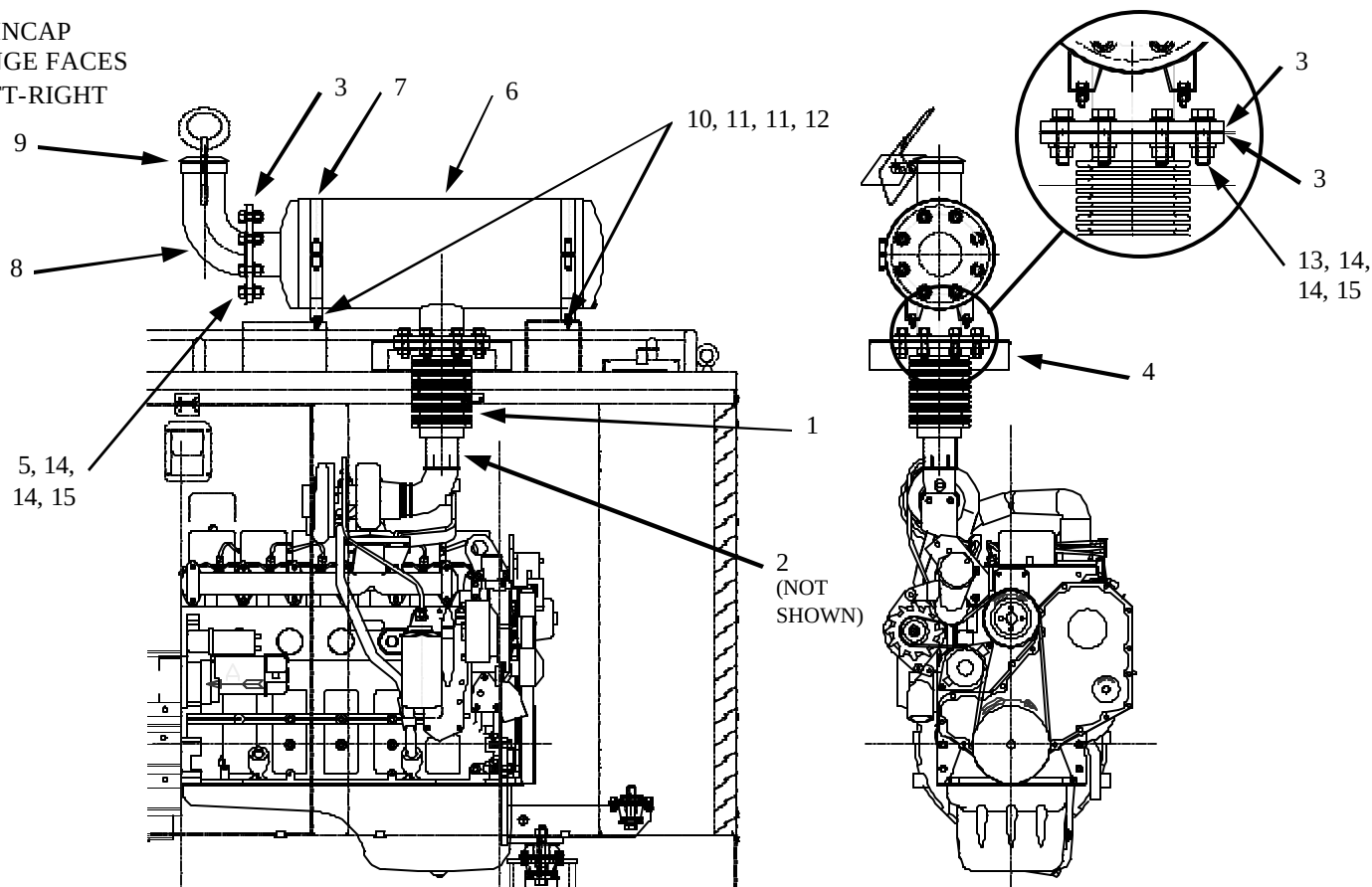
AS - SOLENOID – RUN/IDLE

037-63-019

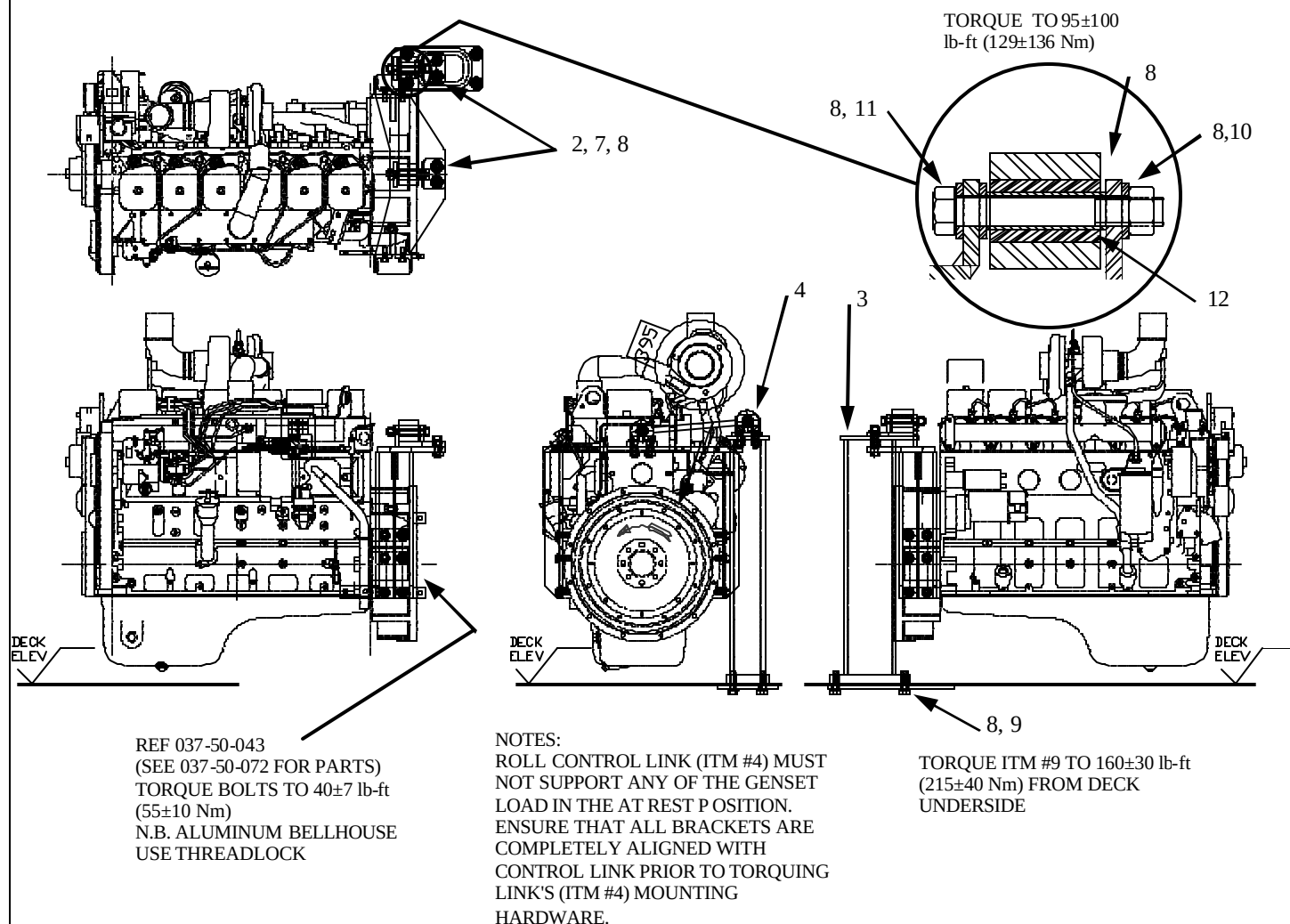


ITEM	QTY	PART NO	DESCRIPTION
1	1	037-63-020	SOLENOID - RUN-IDLE
2	1	MCC# 6072K72	LINKAGE-HD BALL 1/4-28UNF FEM THD STYLE 2
3	1	CAT# 2L-9038	HEX SELF-LOCKING NUT 1/4-28UNF
4	1	037-63-022	PLT - PIVOT MOUNT SOLENOID - RUN-IDLE
5	2	MCC# 90275A540	1/4-20x3/4LNG FLAT HD SLOTTED SCREW ZINC-PLATED
6	3	CAT# 2D-6235	HEX LOCK NUT-HARD-PLATED 1/4-20UNC
7	5	CAT# 8T-4205	WASHER-FLAT-HARD-PLATED 1/4-IN
8	1	CAT# 8T-8908	HEX HD BOLT, 1/4-20NC X 1 IN LNG
9			NOT USED
10	1	037-63-021	CONTROL MODULE RUN-IDLE SOLENOID
11	4	CAT# 7S-4338	MACH SCREW -PAN HD SLOT PLATED #8-32 x 3/4 LNG
12	4	MCC# 90675A009	HEX NUT-MACH W/TOOTH WASHER-PLATED #8-32
13	1	BUS S8301-03	FUSEHOLDER - BUSSMAN S8 1/4 x 1-1/4 3-POLE
14	3	MDL-5	FUSE-TIME DELAY GLASS TUBE 1/4x1-1/4 (2-SPARES)
15	1	037-50-014	PLT - RUN IDLE SOL BRKT
16	1	CAT# 9S-8748	HEX NUT, 1/4-28NF

RAINCAP
HINGE FACES
LEFT-RIGHT

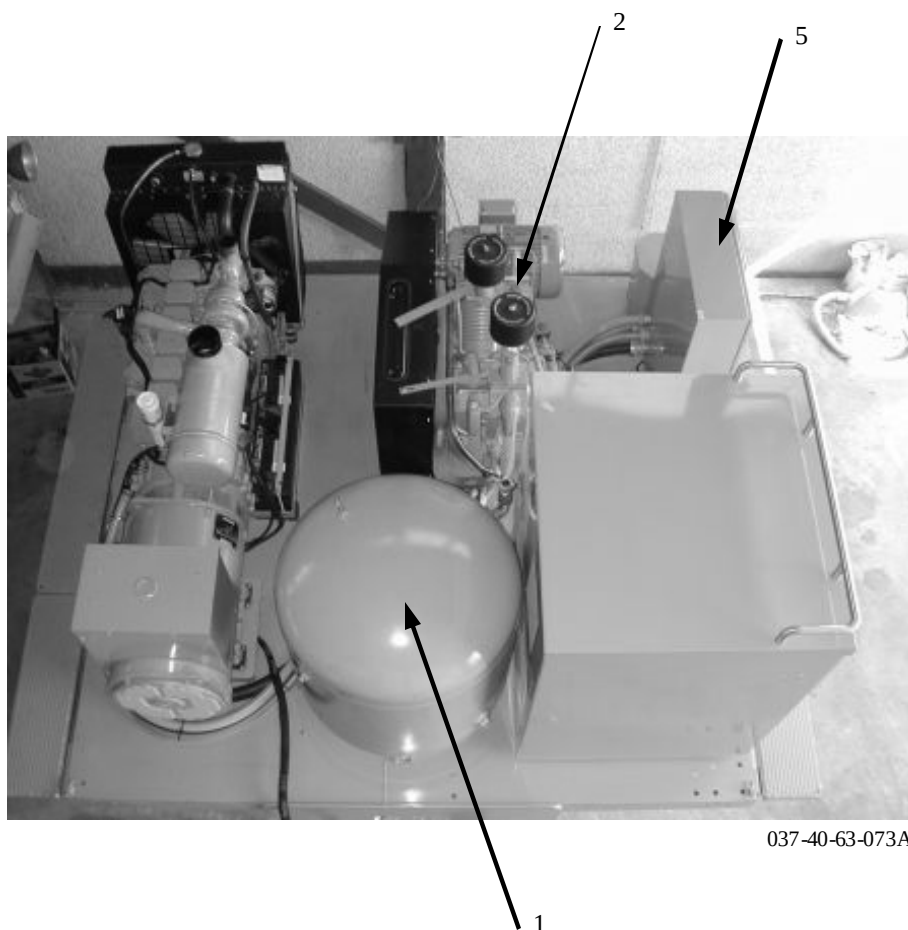


ITEM	QTY	PART NO	DESCRIPTION
1	1	037-50-017	AS - EXHAUST BELLOWS
2	1	GTX# 32-300	CLAMP - 3" MUFFLER
3	3	GTX# 48-C-400	GASKET - 4-IN ANSI FULL FACED CERAMIC
4	1	037-50-016	AS - EXHAUST RAIN GUARD
5	8	CAT# 7X-0345	CAPSCREW -HEX HD-PLATED 5/8-11UNC x 1-3/4
6	1	037-50-018	AS - SILENCER
7	2	037-50-021	AS - EXHAUST 10-IN BRKT
8	1	037-50-019	AS - EXHAUST ELBOW EXTENSION
9	1	037-50-020	AS - EXHAUST RAIN CAP
10	4	CAT# 4M-6425	CAPSCREW -HEX HD-PLATED 5/16-18UNC x 1LNG
11	8	CAT# 8T-4224	WASHER-FLAT-HARD-PLATED 5/16-IN
12	4	CAT# 031-4155	HEX LOCK NUT-HARD-PLATED 5/16-18UNC
13	8	CAT# 7X-0347	CAPSCREW -HEX HD-PLATED 5/8-11UNC x 2-1/4 LNG
14	32	CAT# 8T-4122	WASHER-FLAT-HARD-PLATED 5/8-IN
15	16	CAT# 3K-2889	HEX NUT-SELF-LOCKING-HARD-PLATED 5/8-11UNC



ITEM	QTY	PART NO	DESCRIPTION
2	2	037-50-051	AS - BOLT YOKE ROLL CONTROL BRKT
3	1	037-50-054	AS - ROLL CONTROL DECK BRKT
4	1	037-50-058	AS - ROLL CONTROL LINK
7	4	CAT# 7T-0346	BOLT - 5/8-11UNC x 2LNG HX HD PLATED
8	14	CAT# 8T-4122	WASHER - 5/8 HARD PLATED
9	4	CAT# 7X-0347	BOLT - 5/8-11UNC x 2-1/4LNG HX HD PLATED
10	2	CAT# 7X-0354	BOLT - 5/8-11UNC x 4-1/2LNG HX HD PLATED
11	2	CAT# 3K-2889	NUT - SELF-LOCK 5/8-11UNC HX HD HARD PLATED
12	2	037-05-024	AS - BUSHING MOTION CONTROL (PART OF ITEM 1)

OPT – COMPRESSED AIR MODULE	037-55-001
------------------------------------	------------

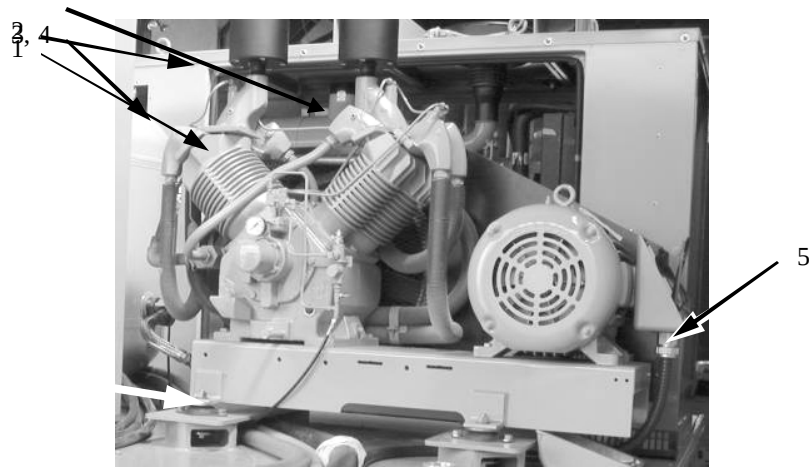


037-40-63-073A

ITEM	QTY	PART NO	DESCRIPTION
1	*1	037-55-006	GP - AIR RECEIVER (REQUIRED WITH COMPRESSOR)
2	*	037-55-002	GP - AIR COMPRESSOR 30HP 60 HZ
3	*	037-55-003	GP - AIR COMPRESSOR 20HP 60 HZ
4	*	037-55-004	GP - AIR COMPRESSOR 25HP 60 HZ
5	*1	037-55-019	OPT - AIR COMPRESSOR AIR ON DEMAND SWITCH (PS1)

*SELECT A COMPONENT FROM LIST IF REQUIRED.
NOTE: ONE AIR COMPRESSOR TYPE ONLY.

GP - AIR COMPRESSOR



037-40-63-001A

GP - AIR COMPRESSOR, 30 HP 60 HZ 460Y 250PSI

037-55-002

ITEM	QTY	PART NO	DESCRIPTION
1	1	037-55-007	COMPRESSOR, 30 HP 460Y 250PSI
2	1	037-55-005	COMPRESSOR INSTALLATION
3	1	037-42-007	GP - HOSE, COMPRESSOR
4	1	037-43-006	GP - FITTINGS, COMPRESSOR
5	1	037-40-003	GP - WIRING, COMPRESSOR

GP - AIR COMPRESSOR, 20 HP 60 HZ 460Y 250PSI

037-55-003

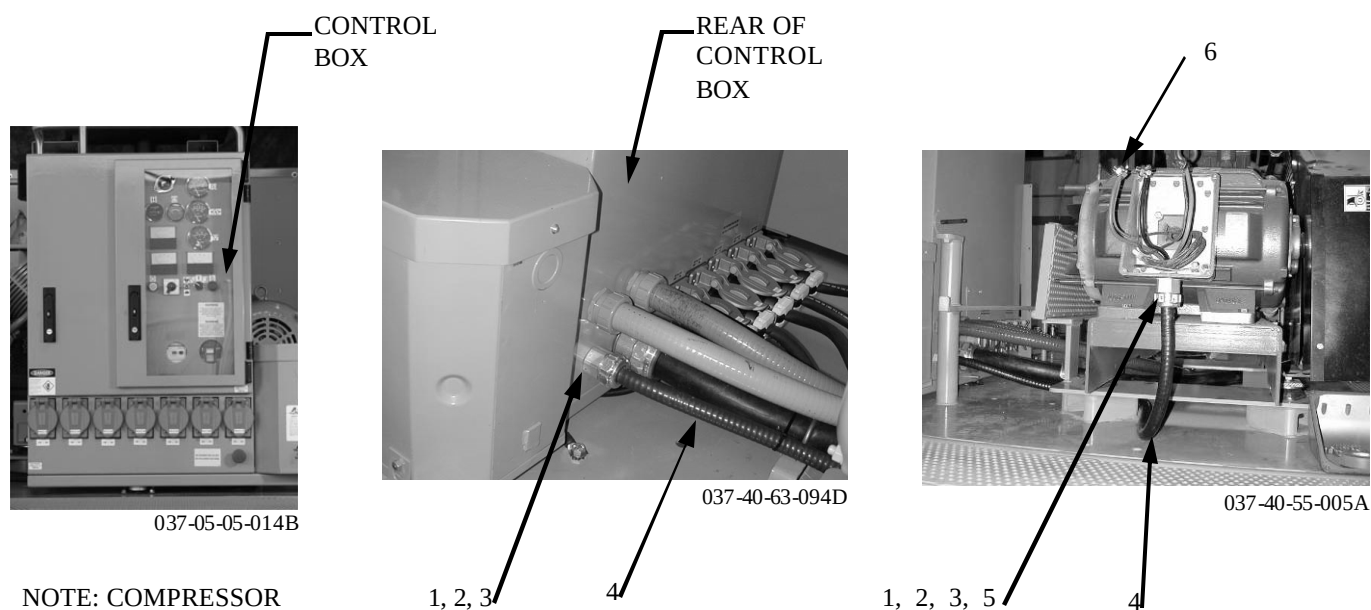
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-55-008	COMPRESSOR, 20 HP 460Y 250PSI
2	1	037-55-005	COMPRESSOR INSTALLATION
3	1	037-42-007	GP - HOSE, COMPRESSOR
4	1	037-43-006	GP - FITTINGS, COMPRESSOR
5	1	037-40-003	GP - WIRING, COMPRESSOR

GP - AIR COMPRESSOR, 25 HP 60 HZ 460Y 250PSI

037-55-004

ITEM	QTY	PART NO	DESCRIPTION
1	1	037-55-009	COMPRESSOR, 25 HP 460Y 250PSI
2	1	037-55-005	COMPRESSOR INSTALLATION
3	1	037-42-007	GP - HOSE, COMPRESSOR
4	1	037-43-006	GP - FITTINGS, COMPRESSOR
5	1	037-40-003	GP - WIRING, COMPRESSOR

GP - WIRING, COMPRESSOR	037-40-003
-------------------------	------------



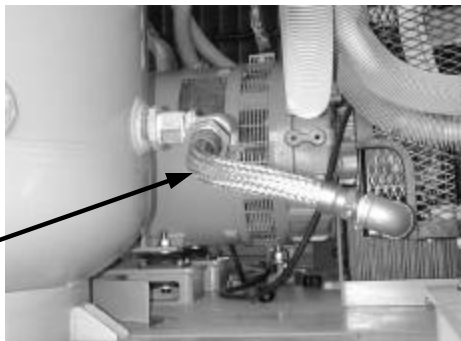
NOTE: COMPRESSOR ELECTRICAL TO BE INSTALLED BY A LICENSED ELECTRICIAN.

ITEM	QTY	PART NO	DESCRIPTION
1	2	THB# ST075-468	HUB STAR TECK CONNECTOR ¾ IN
2	2	IBV# LN [FIT1004]	LOCK NUT ¾ IN
3	2	IBV# PB34 [FIT2604]	PLASTIC BUSHING ¾ IN
4	8'	GEN# TECK 6/3	TECK CABLE 6/3
5	2	IBV# RW 2 x 3/4	REDUCING WASHER 2 IN – ¾ IN
6	3	BURNDY B1T4	14-4 ONE SIDED UNITAP CONNECTOR

GP - HOSE, AIR COMPRESSOR	037-42-007
----------------------------------	------------

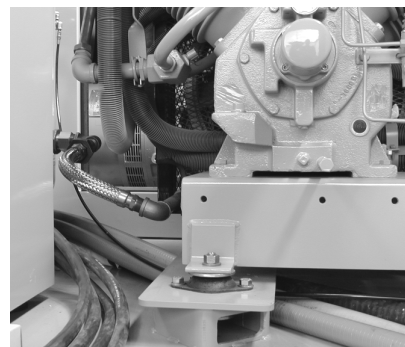
AIR TANK
A-END

1



037-42-55-005A

COMPRESSOR
B-END

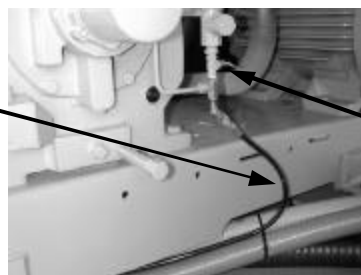


037-43-55-004



037-43-55-044A

TO AIR TANK
B-END

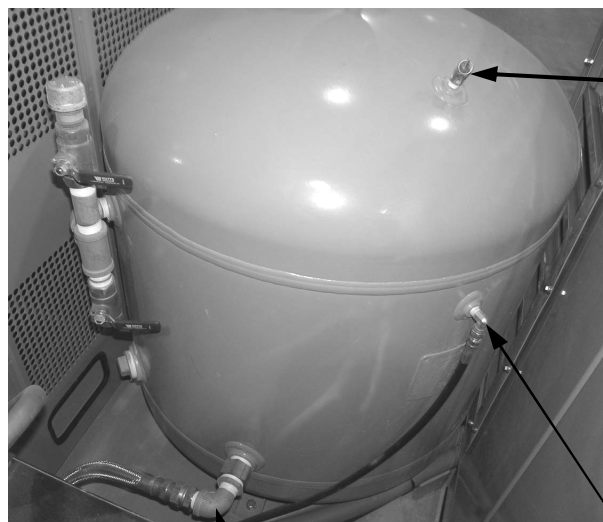


037-42-55-007A

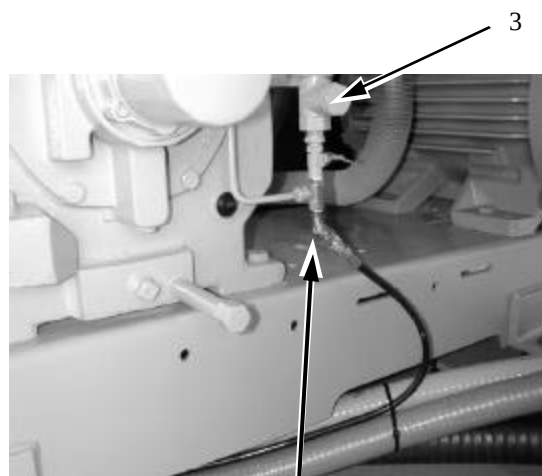
PILOT VALVE
ON COMP
A-END

ITEM	QTY	PART NO	DESCRIPTION
1	1	037-42-008	AS - HOSE – MAIN AIR SUPPLY
2	1	037-42-009	AS - HOSE – SENSING LINE FROM PILOT VALVE TO AIR TANK

GP - FITTINGS, AIR COMPRESSOR, WELDER	037-43-006
--	------------



037-43-55-044A



037-42-55-007A

6, 7, 8, 9
SUPPLY
037-42-008 (A-END)

5
UNLOADER BRANCH
(TO AIR COMP)
037-42-009 (B-END)

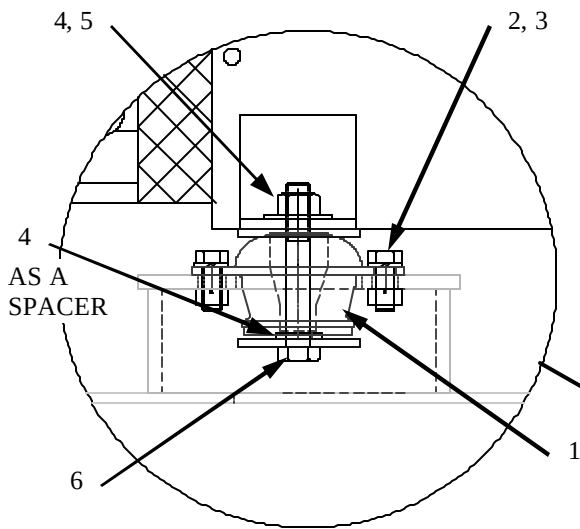
1, 2
UNLOADER BRANCH
037-42-009 (A-END)

ITEM	QTY	PART NO	DESCRIPTION
1	1	WTH# 76 X 4	ADAPTER TEE - FM TO M 1/8" NPT RUN - 1/4" TUBE BRANCH
2	1	PARK# 3107-2-2	45 DEG MALE NPT - FMS NPT 1/8"
3	*	CHP#VP1026432	(QTY 1) PILOT UNLOADER VALVE SET AT 225 - 250 PSI
	*		(SUPPLIED WITH NEW AIR COMPRESSOR)
4	*	CHP# M2845	(QTY 1) RELIEF VALVE NPT 1/4" - SET AT 275 PSI
	*		(SUPPLIED WITH NEW AIR COMPRESSOR)
5	1	PARK# 2107-4-4	90 DEG M - FMS NPT 1/4"
6	1	WAR# 50G10	GALVANIZE 90 DEG STEET. ELBOW M NPT - F NPT 1"
7	*	CHP# P03590A	(QTY 1) CHECK VALVE M - F NPT 1 1/4"
	*		(SUPPLIED WITH NEW AIR COMPRESSOR)
8	1	WAR# H9G1210	GALVANIZE REDUCING BUSHING NPT 1 1/4 - 1"
9	1	PARK# ADPT0107-16-16	STRAIGHT NPTM-NPTFMS-1"

* PART OF ITEM 1

AS - COMPRESSOR INSTALLATION

037-55-005

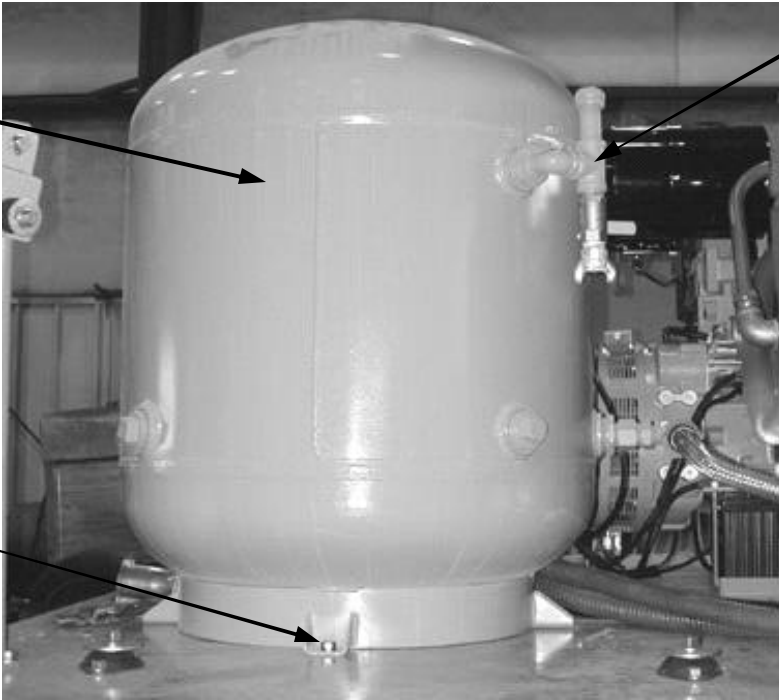
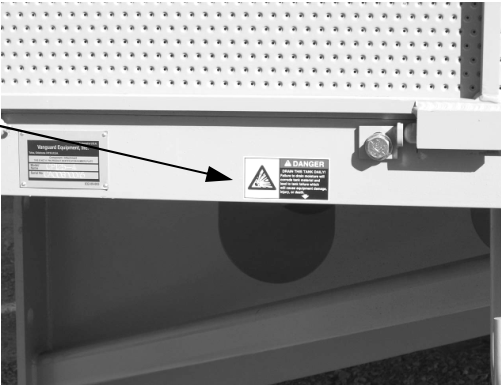


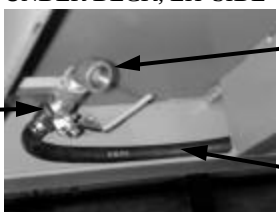
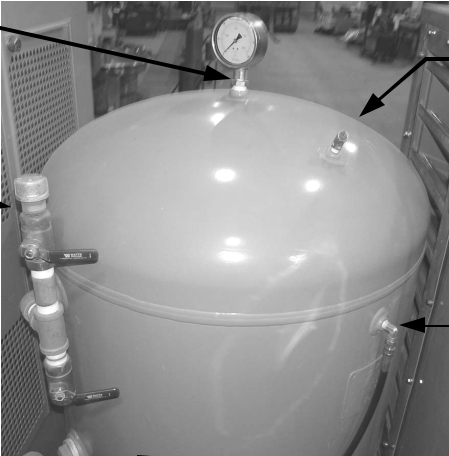
037-40-63-001A

NOTE: TORQUE CTR ISOLATOR-FIXING BOLTS ITEM #6 TO 99.6 lb-ft (135 Nm) WITH LOCKTITE

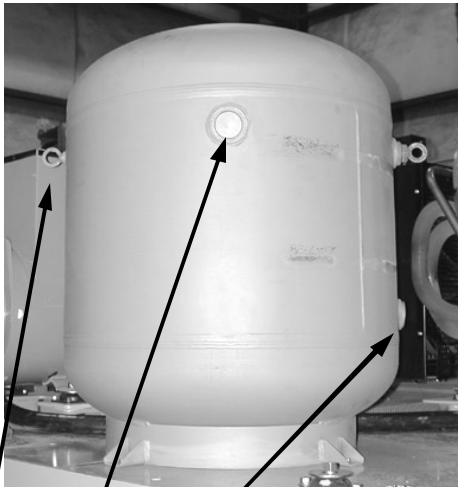
TORQUE ALL OTHER BOLTS AS PER CAT SPECS.

ITEM	QTY	PART NO	DESCRIPTION
1	4	037-05-023	AS - VIBRATION ISOLATOR AIR COMPR / DOGHOUSE
2	8	CAT# 8T-8917	CAPSCREW -HEX HD-PLATED 1/2-13UNC x 1-1/4 LNG
3	8	CAT# 8T-4223	WASHER-FLAT-HARD-PLATED 1/2-IN
4	8	CAT# 8T-4122	WASHER-FLAT-HARD-PLATED 5/8-IN
5	4	CAT# 3K-2889	HEX NUT-HARD-PLATED 5/8-11UNC SELF-LOCK
6	4	CAT# 7X-0353	CAPSCREW -HEX HD-PLATED 5/8-11UNC x 4-1/4 LNG

GP - AIR RECEIVER			037-55-006
 1 points to the main body of the tank. 2 points to the top fittings. 3, 4 points to the base mounting area. 037-43-55-038A			UNDER DECK, LH SIDE  037-43-55-023A 5 UNDER DECK BELOW TANK  037-42-55-013A 6  037-05-09-019A
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-55-014	AS - AIR RECEIVER
2	1	037-43-009	GP - FITTINGS, AIR RECEIVER
3	4	CAT# 8T-8917	CAPSCREW -HEX HD-PLATED 1/2-13UN
4	4	CAT# 8T-4223	WASHER-FLAT-HARD-PLATED 1/2-IN
5	84 IN	PARK# 801-8	HOSE – DRAIN LINE ½ IN 250 PSI
6	1	CHP# P10157A	FILM – DANGER, DRAIN TANK DAILY! (#5 ON PRODUCT LIABILITY DECAL SHT-DECAL#4 C/W AIR COMP)

GP – FITTINGS, AIR RECEIVER			037-43-009
 037-05-55-015A UNDER DECK, LH-SIDE  037-43-55-023A			REPLACES 037-43-003 USED ON S/N CA00600045-UP  037-42-008 037-43-55-043A 275 PSI RELIEF VALVE C/W COMPRESSOR UNLOADER BRANCH PART OF COMP FITTINGS KIT 037-42-009 SUPPLY LINE PART OF COMP FITTINGS KIT (CONNECTION NOT SHOWN) UNDER DECK, BELOW TANK  037-42-55-013A DRAIN HOSE REF 037-55-006)
ITEM	QTY	PART NO	DESCRIPTION
1	1	WAR# P3G02	GALVANIZE MALE PIPE PLUG SQUARE HEAD 1/4"
2	1	BEC# 5P880	GALVANIZE BUSHING 3/4-1/4" N.P.T.
3	1	WAR# 50G05	90 DEG STREET ELBOW NPT 1/2"
4	2	WAR# 52G10	GALVANIZE TEE FM NPT 1"
5	2	WAR# P1G20	GALVANIZE MALE PIPE PLUG SQUARE HEAD 2"
6	1	WAR# 50G10	GALVANIZE 90 DEG STEET. ELBOW M NPT - F NPT 1"
7	2	BEC# A802-06-020-05	GALVANIZE NIPPLE NPT 1 X 2"
8	2	PARK# XV500P-16	BRASS BALL VALVE NPT 1"
9	1	037-63-059	GAUGE AIR - OIC FILLED 0-300 PSI
10	1	BEC# A802-06-040-05	GALVANIZE MALE PIPE NIPPLE NPT 1 x 4"
11	1	WAR# 49G10	GALVANIZE FILL CAP NPT 1"
12	1	BEC# A802-04-020-05	GALVANIZE PIPE NIPPLE 1/2 x 2"
13	1	WAR# 47G05#	GALVANIZE 90 DEG ELBOW FM NPT 1/2"
14	2	PARK# 125HBL-8-8	HOSE FITTING NPT 1/2" - HOSE 1/2"
15	2	PARK# HC-8	CLAMP, HOSE
16	1	PARK# XV500P-8	VALVE BALL NPT FM 1/2"
17	1	BEC# A802-04-011-05	GALVANIZE PIPE NIPPLE 1/2 x 1"

GP – FITTINGS, AIR RECEIVER	037-43-003
------------------------------------	------------



037-05-55-015A

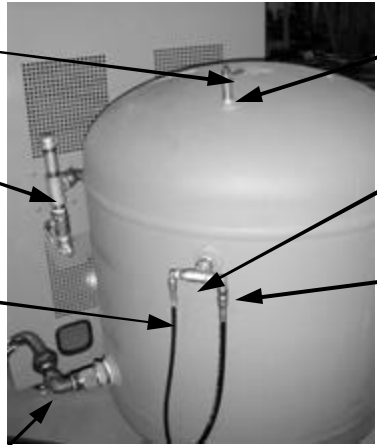
UNDER DECK, LH SIDE



037-43-55-023A

USED ON S/N CA00600021-0044
P/N CHANGE: 037-43-009

GAUGE PORT
(NOT SHOWN)



037-43-55-026A

CONTROL/
DIST GAUGE
LINE 037-42-010

SUPPLY
PART OF
COMP
FITTINGS KIT
037-42-008

UNDER DECK, BELOW TANK



037-42-55-013A

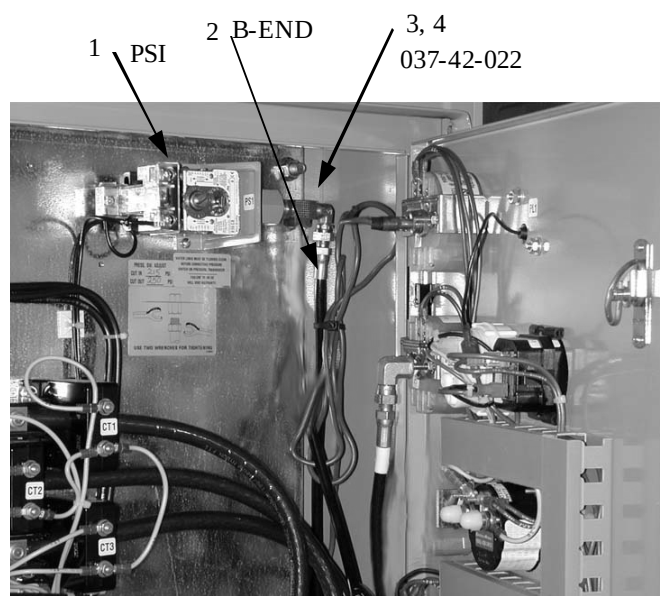
DRAIN HOSE
REF 037-55-006)

ITEM	QTY	PART NO	DESCRIPTION
1	1	WAR# P3G02	GALVANIZE MALE PIPE PLUG SQUARE HEAD 1/4"
2	1	WAR# P1G07	GALVANIZE MALE PIPE PLUG SQUARE HEAD 3/4"
3	1	WAR# 50G05	90 DEG STREET ELBOW NPT 1/2"
4	2	WAR# 52G10	GALVANIZE TEE FM NPT 1"
5	2	WAR# P1G20	GALVANIZE MALE PIPE PLUG SQUARE HEAD 2"
6	1	WAR# 50G10	GALVANIZE 90 DEG STEET. ELBOW M NPT - F NPT 1"
7	2	BEC# A802-06-020-05	GALVANIZE NIPPLE NPT 1 X 2"
8	2	PARK# XV500P-16	BRASS BALL VALVE NPT 1"
9	1	PARK# 212T-4-4	BRANCH TEE NPT 1/4 IN
10	1	BEC# A802-06-040-05	GALVANIZE MALE PIPE NIPPLE NPT 1 x 4"
11	1	WAR# 49G10	GALVANIZE FILL CAP NPT 1"
12	1	BEC# A802-04-020-05	GALVANIZE PIPE NIPPLE 1/2 x 2"
13	1	WAR# 47G05#	GALVANIZE 90 DEG ELBOW FM NPT 1/2"
14	2	PARK# 125HBL-8-8	HOSE FITTING NPT 1/2" - HOSE 1/2"
15	2	PARK# HC-8	CLAMP, HOSE
16	1	PARK# XV500P-8	VALVE BALL NPT FM 1/2"
17	1	BEC# A802-04-011-05	GALVANIZE PIPE NIPPLE 1/2 x 1"
18	1	PARK# 2107-2-2	90 DEG M - FMS NPT 1/8
19	1	PARK# 0102-4-2	REDUCER BUSHING NPT 1/4 - 1/8 IN

OPT – AIR ON DEMAND SWITCH (PS1)	037-55-019
---	------------

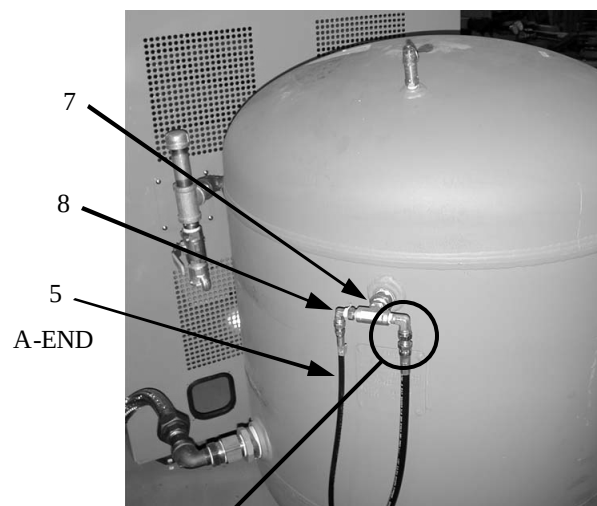
REPLACES 037-55-018

USED ON S/N CA00600045-UP



CONNECT A-END OF ITM #2 TO 90 END OF ITM #6.

037-42-63-039B



PART OF FITTINGS OF AIR COMPRESSOR.

037-43-55-026A

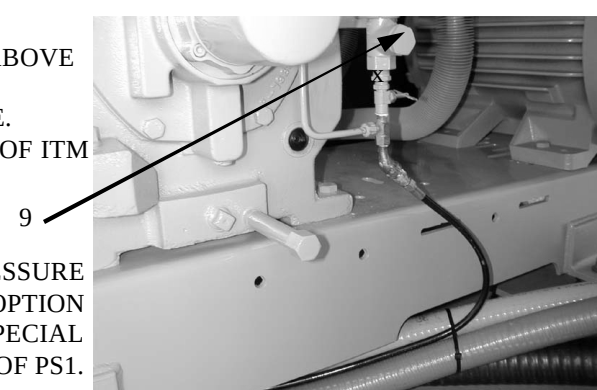


APPROXIMATE LOCATION (NOT SHOWN)

037-40-63-094C

INSTALL ITM #6 ABOVE COMPRESSOR ELECTRICAL LINE. CONNECT B-END OF ITM #5 TO ITM #6

NOTE: THIS PRESSURE SWITCH OPTION REQUIRES SPECIAL INSTALLATION OF PS1.



037-42-55-007A

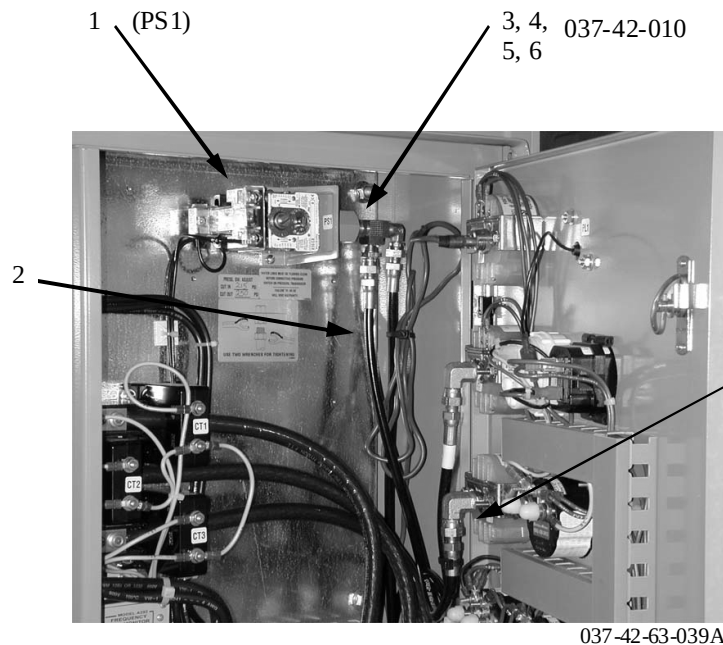
ITEM	QTY	PART NO	DESCRIPTION
1	1	TTI# 1ABD002	PRESS. SW - AB# 836-C8 (250PSI CUTOUT 20PSI DIF)
2	1	037-42-026	AS - AIR HOSE SENSOR-BULKHEAD TO SW1(PS1) 38"
3	1	PARK# 0102-4-2	REDUCER BUSHING NPT 1/4 - 1/8"
4	1	PARK# 2107-2-2	90 DEG M NPT - FMS NPT 1/8"
5	1	037-42-025	AS - AIR HOSE SENSOR - TANK TO BULKHEAD 100"
6	1	PARK# 4WELO	BULKHEAD 90 DEG M ORFS - FMS ORFS 1/4"
7	1	PARK# 212T-4-4	BRANCH TEE NPT 1/4 IN
8	1	PARK# 2107-4-4	90 DEG M - FMS NPT 1/4
9*	1	CHP# VP1029509	PILOT UNLOADER VALVE 225-245 PSI NON ADJUSTABLE

* SPECIAL ORDER ITM #9 WITH COMPRESSOR

OPT – AIR ON DEMAND SWITCH (PS1)	037-55-018
---	-------------------

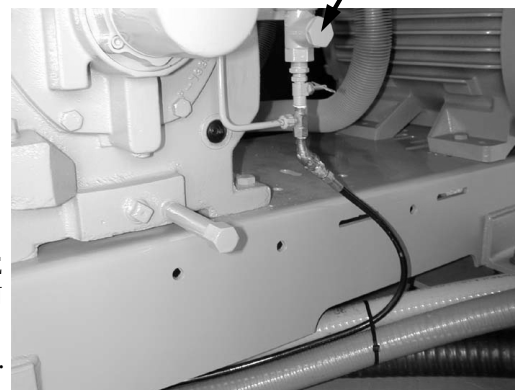
P/N CHANGE: 037-55-019

USED ON S/N CA00600021-0044



OTHER END ITM 2
(037-42-011)

ORDER ITEM 8 WITH
COMPRESSOR



NOTE: THIS PRESSURE
SWITCH OPTION
REQUIRES SPECIAL
INSTALLATION OF PS1.

037-42-55-007A

ITEM	QTY	PART NO	DESCRIPTION
1	1	TTI# 1ABD002	PRESS. SW - AB# 836-C8 (250PSI CUTOUT 20PSI DIF)
2	1	037-42-011	AS - AIR HOSE PRESS SW (PS1) TO CONT CTR GA
3	1	PARK# 0102-4-2	REDUCER BUSHING NPT ¼ - 1/8"
4	1	PARK# 012T-2-2	RUN TEE - M NPT - F NPT 1/8"
5	1	PARK# 2107-2-2	90 DEG M NPT - FMS NPT 1/8"
6	1	PARK# 0107-2-2	CONNECTOR M NPT - FMS NPT 1/8
7	1	037-42-010	AS - AIR HOSE SENSOR TANK TO PRESS SW 1 (PS1)
8*	1	CHP# VP1029509	PILOT UNLOADER VALVE 225-245 PSI NON ADJUSTABLE

* ORDER ITEM 8 WITH COMPRESSOR

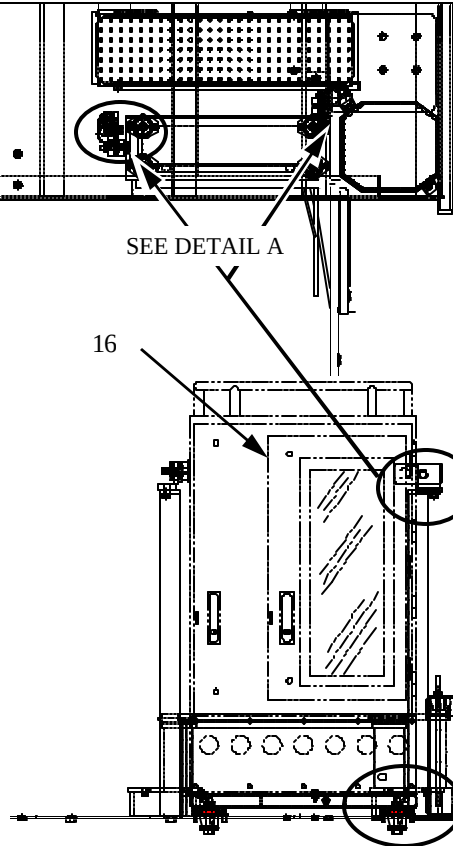
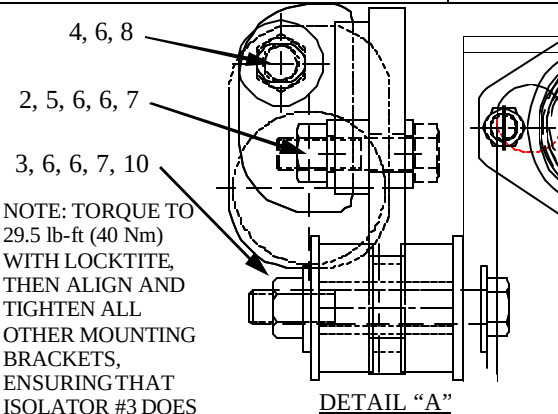
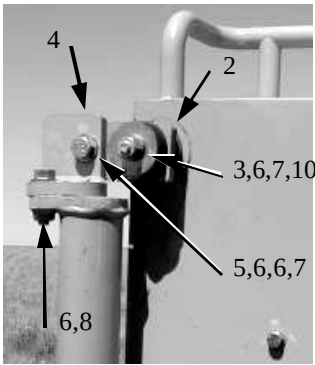
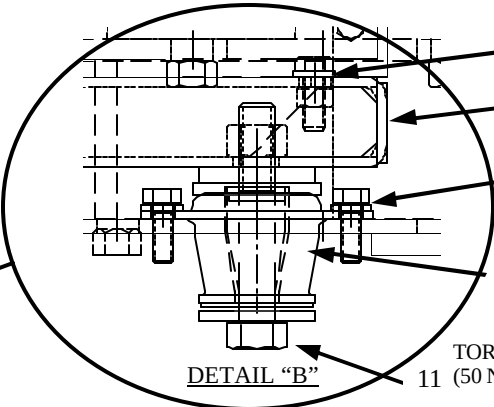
OPT – CONTROL/DISTRIBUTION CENTER, WELD-DECK	037-63-001
---	------------



037-05-05-088A

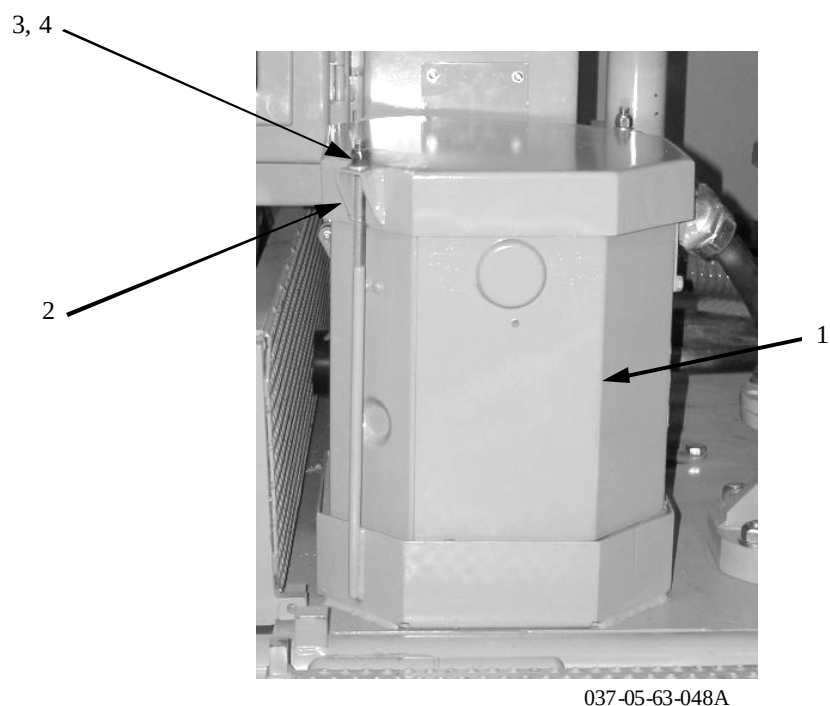
ITEM	QTY	PART NO	DESCRIPTION
1	*	037-63-027	GP - CONTROL/DISTR CTR 120V/240V/480V/60Hz 156KVA
2	*	037-63-028	GP - CONTROL/DISTR CTR 240V/415V/50Hz 125KVA
3	*	037-63-029	GP - CONTROL/DISTR CTR DUAL V 50/60Hz 125/156KVA

* SELECT 1 ITEM ONLY FROM LIST OF CHOICES

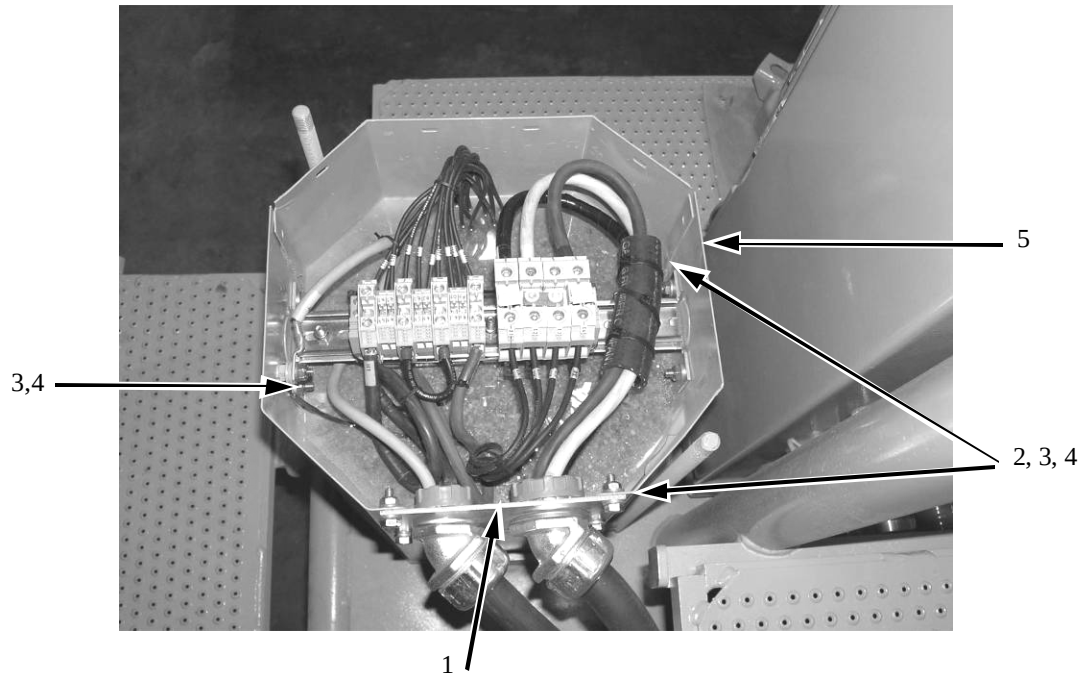
GP - CONTROL/DISTRIBUTION CENTER, 120V/240V/480V 60 Hz			037-63-027
  NOTE: TORQUE TO 29.5 lb-ft (40 Nm) WITH LOCKTITE, THEN ALIGN AND TIGHTEN ALL OTHER MOUNTING BRACKETS, ENSURING THAT ISOLATOR #3 DOES NOT BEAR ANY WEIGHT.  037-07-63-012A (DETAIL "A" PHOTO)  OVERLOAD WASHERS @ LOADED HEIGHT TORQUE ITM #11 TO 36.9 lb-ft (50 Nm) WITH LOCKTITE			
ITEM	QTY	PART NO	DESCRIPTION
1	1	037-63-066	AS - CONTROL/DISTRIBUTION CTR
2	2	037-14-046	PLT - ELEC BOX ISO STAY
3	2	037-05-022	AS - VIBRATION ISOLATOR, STABILIZER
4	2	037-14-043	AS - ELEC BOX ISO STAY MTG
5	2	CAT# 8T-4835	HEX HD BOLT, 1/2-13NC X 2
6	8	CAT# 8T-4223	WASHER, FLAT HARD ½ IN
7	4	CAT# 6V-8188	HEX NUT, PLTD 1/2-13NC
8	2	CAT# 8T-8919	HEX HD BOLT, 1/2-13NC X 1 ¾ LNG
9*	14	CAT# 8T-4896	WASHER-FLAT-HARD-PLATED 3/8-IN
10	2	CAT# 7X-0328	HEX HD BOLT, 1/2-13NC X 3 ½ LNG
11	4	CAT# 7X-0351	BOLT-HEX HD-PLATED 5/8-11UNC x 3 ¾ LNG
12	4	037-05-021	AS - VIBRATION ISOLATOR RAD MTG/ CONTROL CTR
13 *	14	CAT# 4L-6454	BOLT-HEX HD-PLATED 3/8-16UNC x 1 LNG
14	1	037-63-031	TRANSFORMER, 15 KVA
15 *	1	037-63-044	AS - MOUNTING FR CONTROL/DIST CTR

NOTE: S/N CA00600021 – 0031 : ITM 15 = 037-07-010, AND ITM 9 & ITM 13 ARE QTY 14

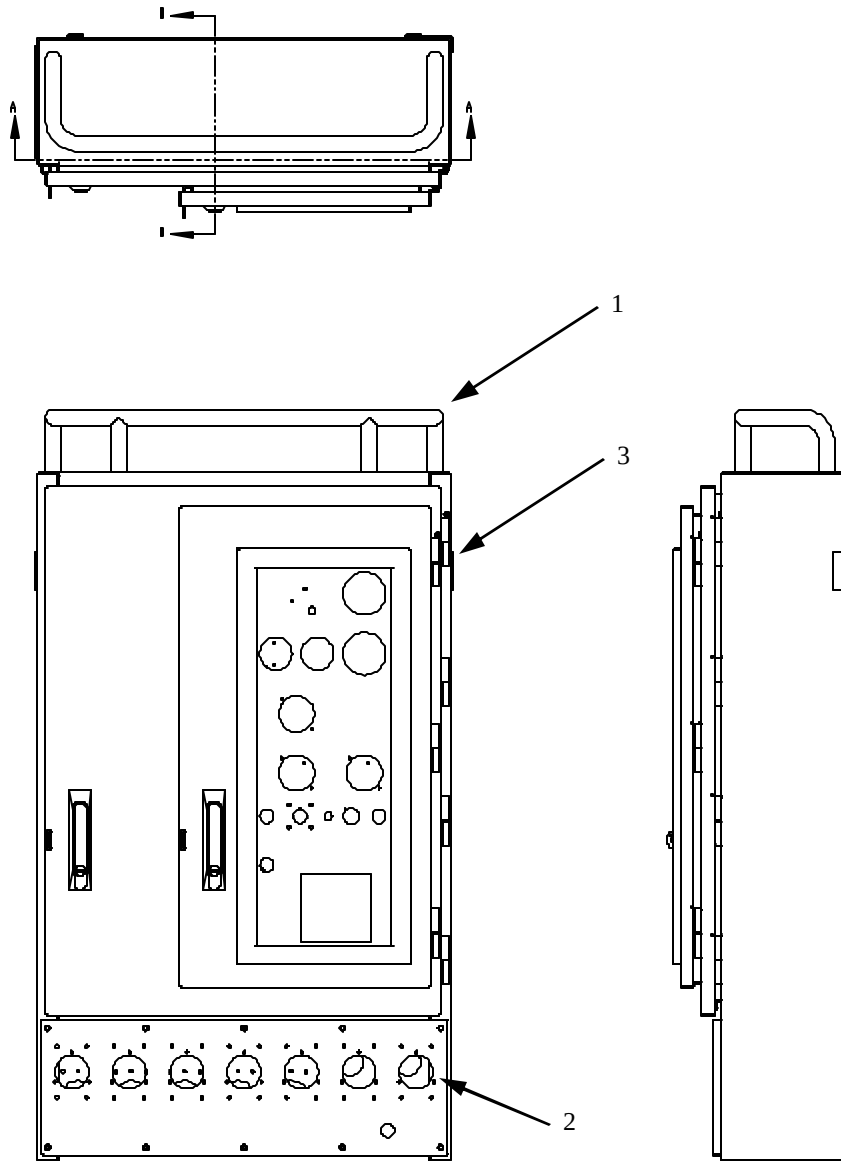
AS – TRANSFORMER, 15KVA, 120V/240V/480V 60 Hz	037-63-031
---	------------



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-63-038	AS - TRANSFORMER 15KVA 120V/240V/480V/60Hz
2	1	037-63-033	AS - TRANSFORMER BOX TOP
3	2	CAT# 8T-4223	WASHER, FLAT HARD ϕ 1/2
4	2	CAT# 1K-6872	HEX NUT, 1/2-13NC SELF-LOCK



ITEM	QTY	PART NO	DESCRIPTION
1	1	037-63-039	PLT - TRANSFORMER BULKHEAD
2	8	CAT# 4M-5281	HEX HD BOLT, 1/4-20NC X 3/4 IN
3	17	CAT# 8T-4206	WASHER, FLAT HARD ¼ IN
4	9	CAT# 2D-6235	HEX NUT, HARD 1/4-20NC SELF-LOCK
5	1	037-63-043	TRANSFORMER

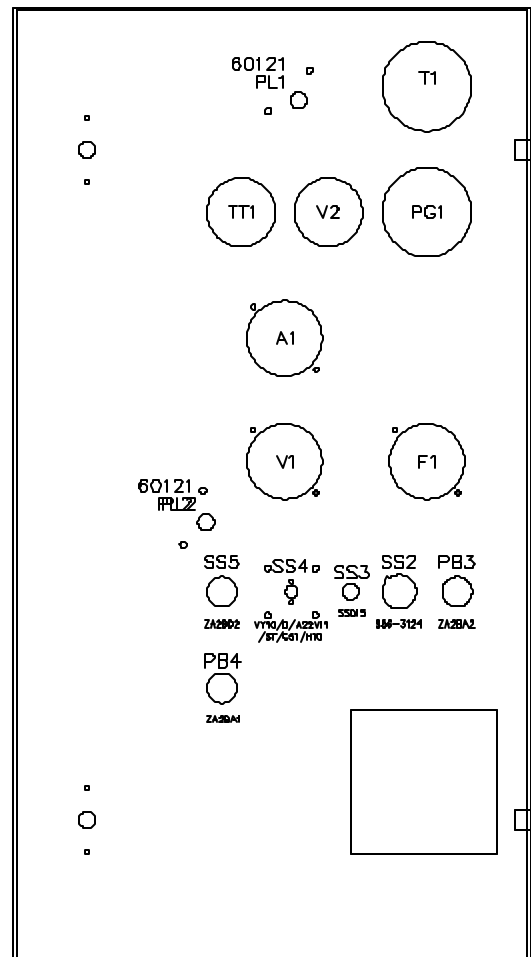


ITEM	QTY	PART NO	DESCRIPTION
1	1	MKIII-2 REV4	MKIII-2 WELDER ELECTRICAL CONTROL/DISTRIBUTION
2 *	1	037-63-070	AS - POWER PLUG & CONTROL COMPONENTS
3 *	1	037-63-076	AS - ENCLOSURE - 2ENCO94

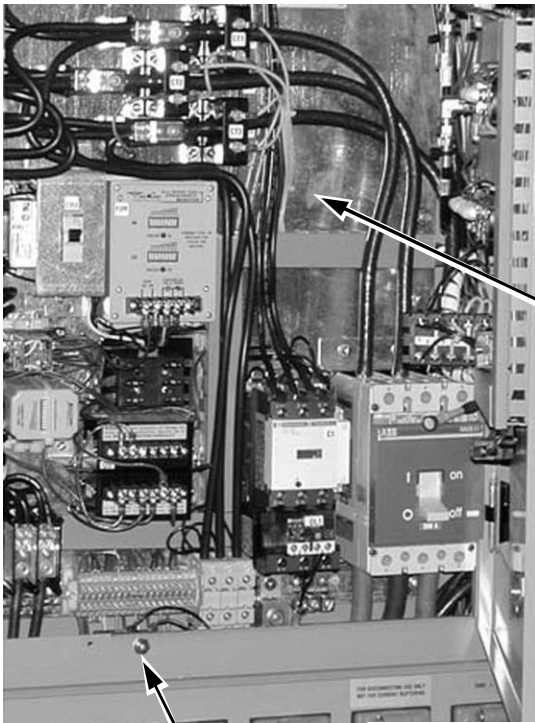
ITEM 1 CONSISTS OF ITEMS 2 & 3



RC1 RC2 RC3 RC4 RC5 RC6 RC7 PB1 037-05-63-049B XTR2 DECK-MOUNTEI

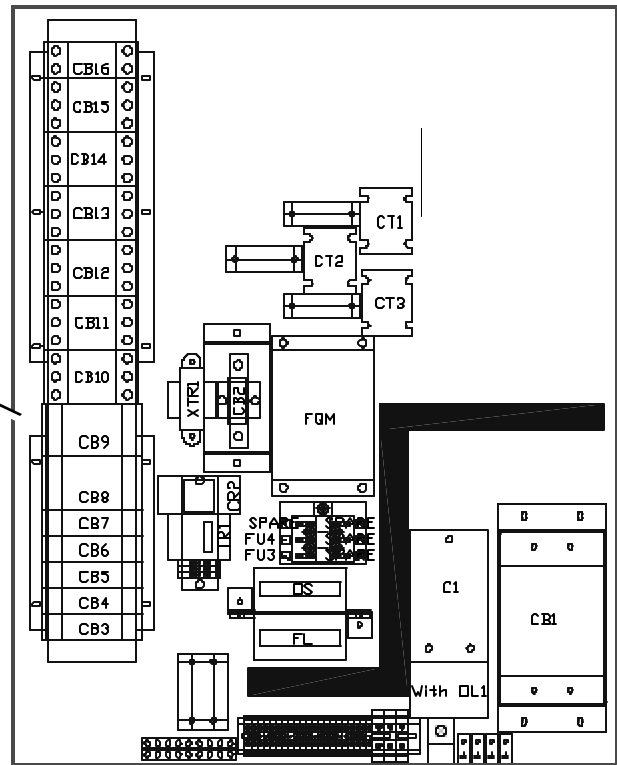


AS – POWER PLUG & CONTROL COMPONENTS - OPERATOR – MKIII-2			037-63-070
ITEM	QTY	PART NO	DESCRIPTION
A1	1	5ELM011	AC AMPMETER 200A
F1	1	5ELM012	AC FREQUENCY METER
PG1	1	037-63-011	GAUGE - OIL PRESSURE
PB1	1	5TEL130	MUSHROOM PUSH BUTTON - RED
	1	5TEL680	GUARD - PUSH BUTTON
	1	1TEL045	BODY - PUSH BUTTON
	1	1TEL036	AUX CONTROLACT - PUSH BUTTON
PB3	1	1TEL106	PUSH BUTTON - N.O.
	1	1TEL094	PUSH BUTTON - BLACK BODY
PB4	1	1TEL106	PUSH BUTTON - N.O.
	1	5TEL671	PUSH BUTTON - WHITE BODY
PL1	1	5LAM004	LAMP - 24VDC LED
PL2	1	5LAM004	LAMP - 24VDC LED
RC6	1	5HUB005	FLANGE RECEPTACLES 250V/30A
	1	5HUB006	WEATHERPROOF LIFT COVER PLATE
RC7	1	5HUB005	FLANGE RECEPTACLES 250V/30A
	1	5HUB006	WEATHERPROOF LIFT COVER PLATE
RC1	1	5HUB004	FLANGE RECEPTACLES 120V 20A
	1	5HUB006	WEATHERPROOF LIFT COVER PLATE
RC2	1	5HUB004	FLANGE RECEPTACLES 120V 20A
	1	5HUB006	WEATHERPROOF LIFT COVER PLATE
RC3	1	5HUB004	FLANGE RECEPTACLES 120V 20A
	1	5HUB006	WEATHERPROOF LIFT COVER PLATE
RC4	1	5HUB004	FLANGE RECEPTACLES 120V 20A
	1	5HUB006	WEATHERPROOF LIFT COVER PLATE
RC5	1	5HUB004	FLANGE RECEPTACLES 120V 20A
	1	5HUB006	WEATHERPROOF LIFT COVER PLATE
SS2	1	5CHC002	SELECTOR SWITCH - SPRING RETURN 3 POS
SS3	1	5CHC001	SELECTOR SWITCH 2 POS
SS4	1	5ENT013	SELECTOR SWITCH FOR AMP VOLT
SS5	1	5CHC001	SELECTOR SWITCH 2POS
T1	1	037-63-010	GAUGE - COOLANT TEMP
TT1	1	037-63-013	ELAPSED TIME METER
V1	1	5ELM013	AC VOLTMETER 500V
V2	1	037-63-014	DC VOLTMETER
XTR2	1	5ACM001	TRANSFORMER 480/120 15KVA



037-40-63-102B

LS1

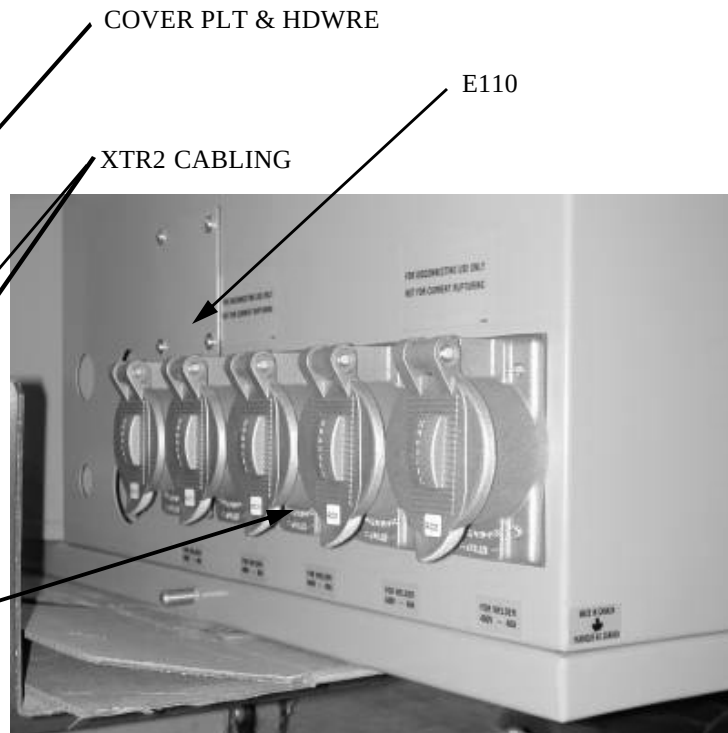
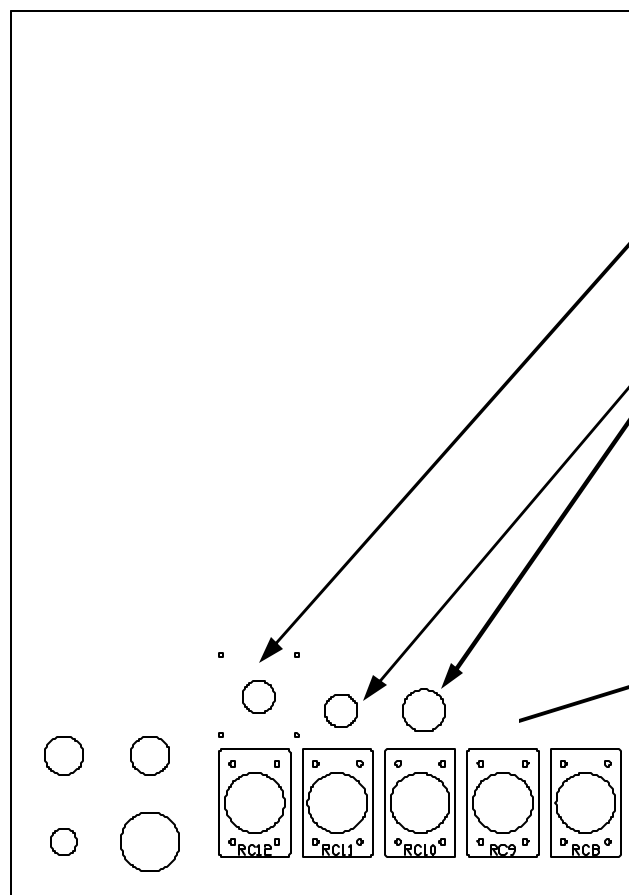


ITEM	QTY	PART NO	DESCRIPTION
C1	1	5TEL603	CONTACTOR 440V 50-60HZ
CB1	1	5ABB052	BREAKER 200A 3 POLES
CB2	1	5ABB053	BREAKER 1A 1 POLE
CB3	1	5WES058	BREAKER 20A 1 POLE CGFI 5 MA
CB4	1	5WES058	BREAKER 20A 1 POLE CGFI 5 MA
CB5	1	5WES058	BREAKER 20A 1 POLE CGFI 5 MA

AS –POWER PLUG & CONTROL COMPONENTS - ELECTRICAL – MKIII-2			037-63-070
ITEM	QTY	PART NO	DESCRIPTION
CB6	1	5WES058	BREAKER 20A 1 POLE CGFI 5 MA
CB7	1	5WES058	BREAKER 20A 1 POLE CGFI 5 MA
CB8	1	5WES059	BREAKER 30A 2 POLE CGFI 5 MA
CB9	1	5WES059	BREAKER 30A 2 POLE CGFI 5 MA
CB10	1	5ABB061	BREAKER 40A 3 POLES
CB11	1	5ABB061	BREAKER 40A 3 POLES
CB12	1	5ABB061	BREAKER 40A 3 POLES
CB13	1	5ABB061	BREAKER 40A 3 POLES
CB14	1	5ABB061	BREAKER 40A 3 POLES
CB15	1	5ABB061	BREAKER 40A 3 POLES
CB16	1	5ABB062	BREAKER 50A 2 POLES
CR2	1	1OMR007	CONTROL RELAY
	1	1OMR009	BASE - CONTROL RELAY
CT1	1	5ELM014	CURRENT TRANSFORMER 200/5
CT2	1	5ELM014	CURRENT TRANSFORMER 200/5
CT3	1	5ELM014	CURRENT TRANSFORMER 200/5
FL	1	037-63-015	COOLANT LEVEL DETECTOR
FQM	1	037-63-023	FREQUENCE MONITORING RELAY
FU3	1	5ATO002	AUTOMOTIVE FUSE 10A
	1	5ATO002	FU3 - SPARE AUTOMOTIVE FUSE 10A
FU4	1	5ATO004	AUTOMOTIVE FUSE 7.5A
	1	5ATO004	FU4 - SPARE AUTOMOTIVE FUSE 7.5A
FU5	1	5ATO005	AUTOMOTIVE FUSE 1A
	1	5ATO005	FU5 - SPARE AUTOMOTIVE FUSE 1A
	1	5ATO006	INLINE FUSE BLOCK
	1	5ATO003	AUTOMOTIVE FUSE HOLDER 6POS
LS1	1	5OMR121	LIMIT SWITCH INNER DOOR
OL1	1	5TEL647	OVERLOAD 40AMP
OS	1	037-63-017	OVERSPEED DETECTOR
TR1	1	037-63-024	TIMER
	1	1OMR019	BASE - TIMER
XTR1	1	1FRO016	TRANSFORMER 440/24 25VA
	3	5GOU062	TERMINAL BLOC 3POLES
	1	5GOU024	TERMINAL BLOC 2POLES

AS -POWER PLUG & CONTROL COMPONENTS-WELD-DECK SUPPLY-MKIII-2	037-63-070
--	------------

USED ON S/N CA00600021-UP



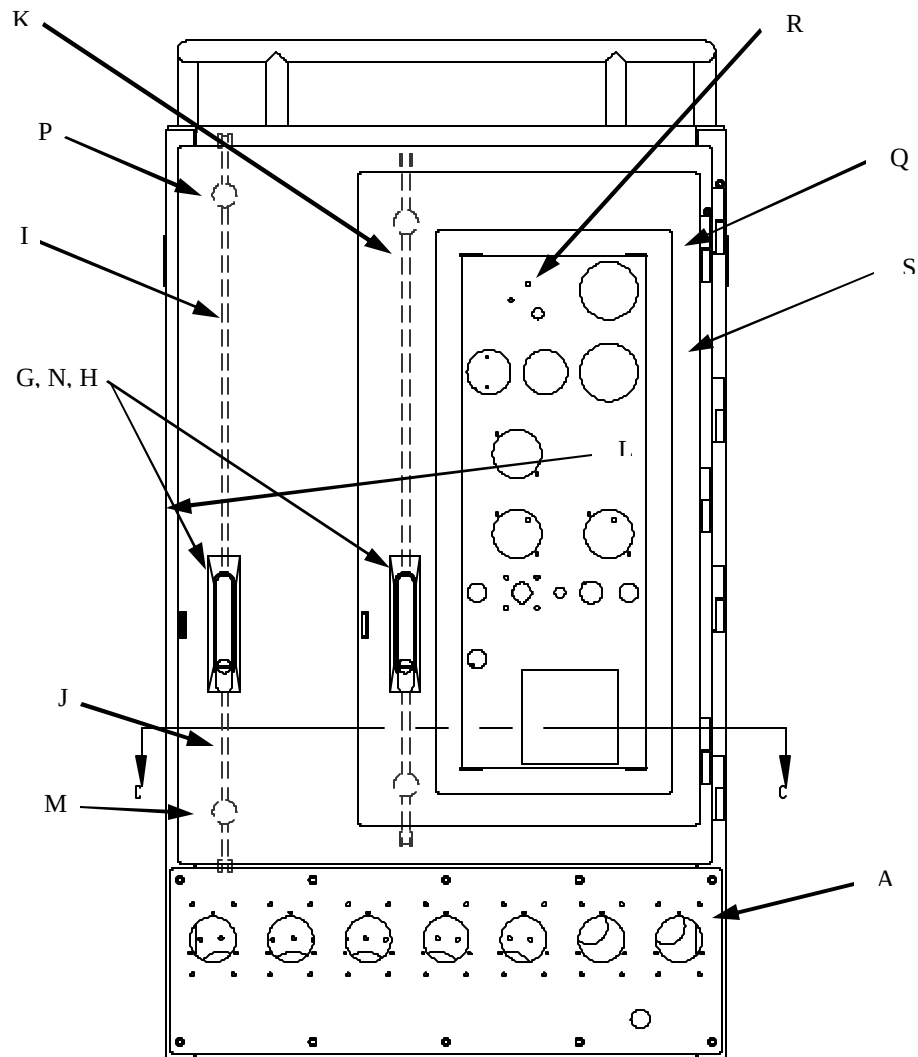
037-40-63-114A

REAR OF BOX

ITEM	QTY	PART NO	DESCRIPTION
RC8	1	5HUB007	RECEPTACLES 480V 50A
	1	5HUB008	WEATHERPROOF PLATE
RC9	1	5HUB007	RECEPTACLES 480V 50A
	1	5HUB008	WEATHERPROOF PLATE
RC10	1	5HUB007	RECEPTACLES 480V 50A
	1	5HUB008	WEATHERPROOF PLATE
RC11	1	5HUB007	RECEPTACLES 480V 50A
	1	5HUB008	WEATHERPROOF PLATE
RC12	1	5HUB007	RECEPTACLES 480V 50A
	1	5HUB008	WEATHERPROOF PLATE
E110	1	2PRS010	HOLE COVER PLATE & HARDWARE

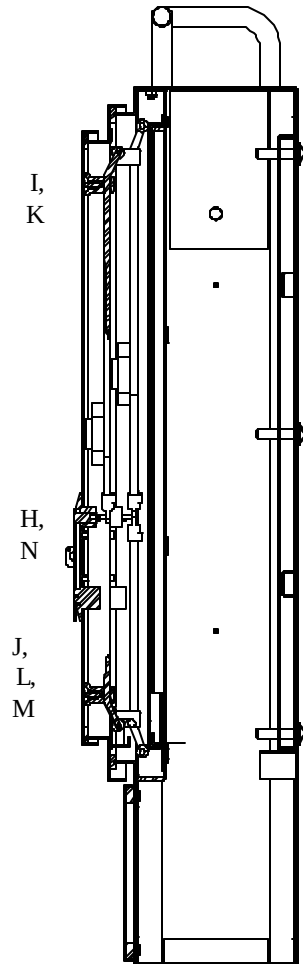
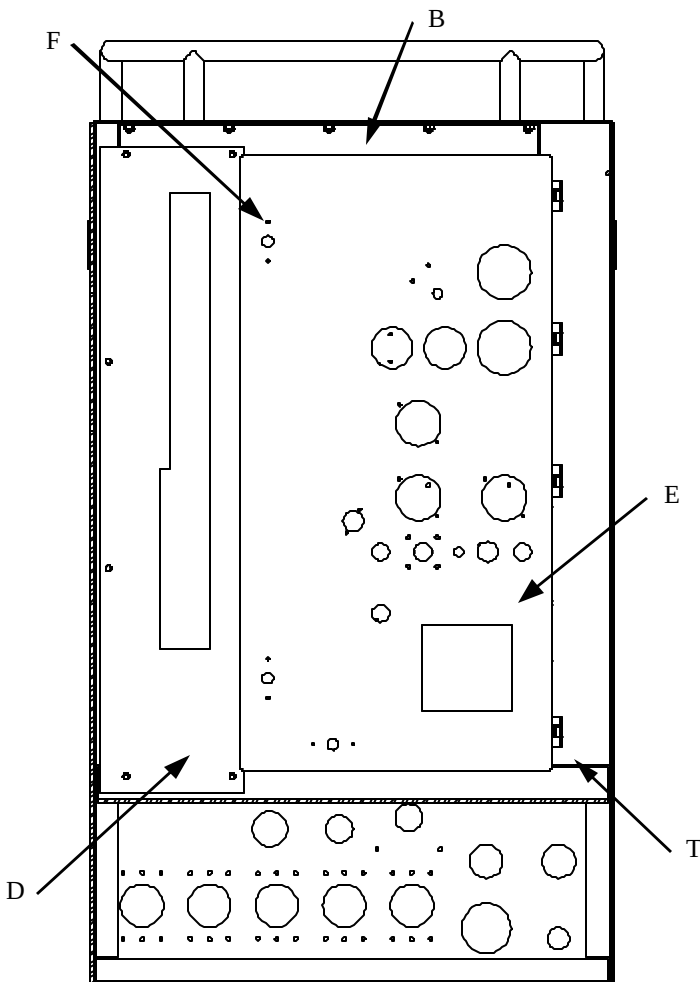
REPLACES 037-63-074

USED ON S/N CA00600045-UP



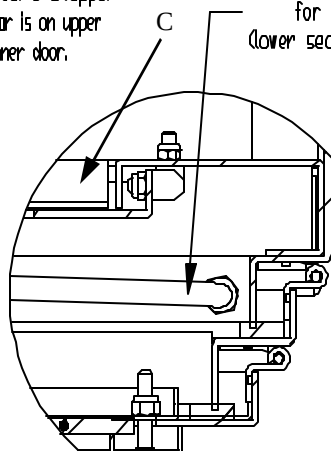
REPLACES 037-63-074

USED ON S/N CA00600045 - UP

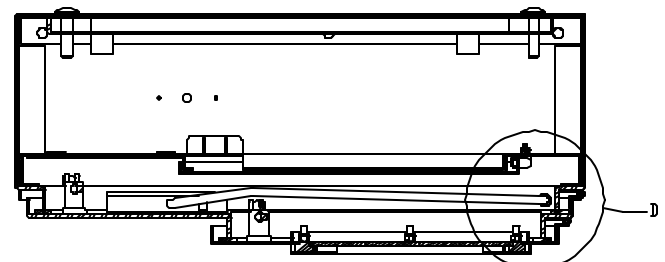


SECTION VIEW

*Note: The 90° door's stopper for inner door is on upper section of inner door.
 90° door's stopper for main door (lower section of door)



DETAIL D



SECTION C-C

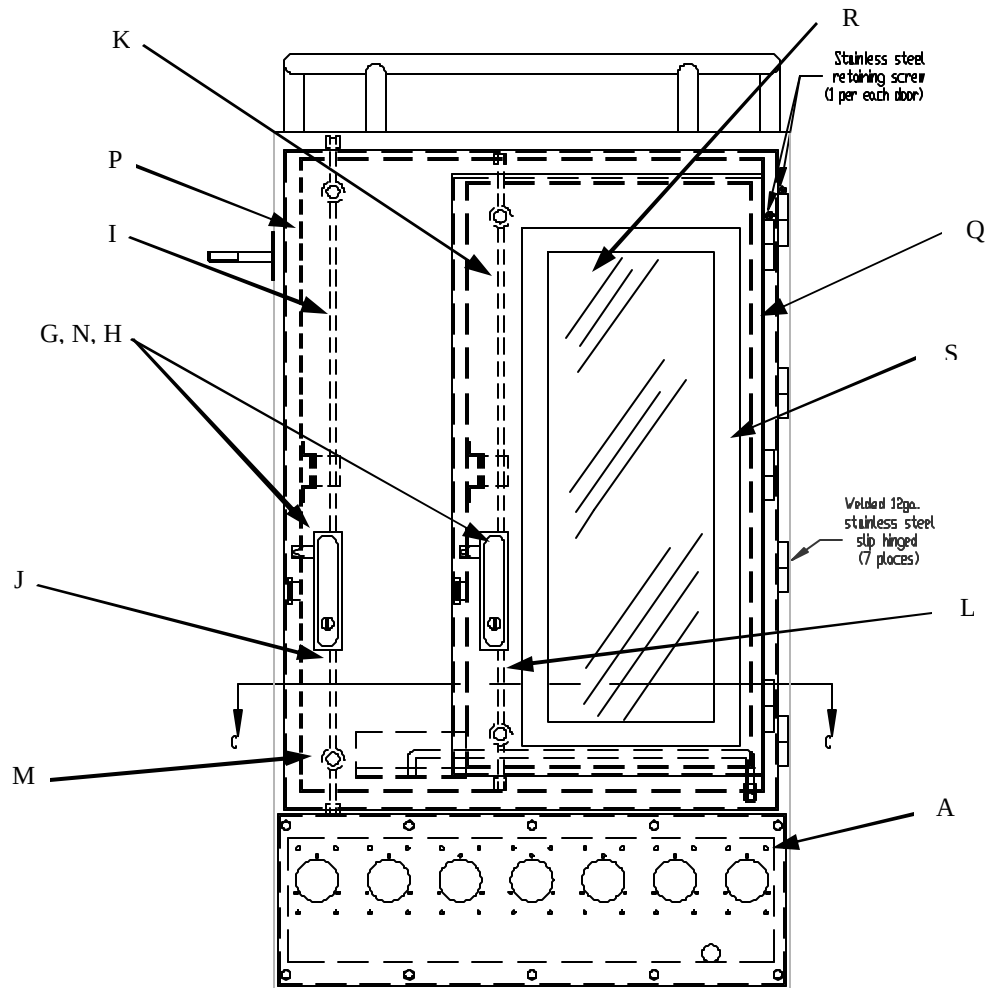
AS – ENCLOSURE – 2ENC094 – MKIII-2			037-63-076
ITEM	QTY	PART NO	DESCRIPTION
	1	2ENC094	ENCLOSURE
A	1	2ENC094-A	FRONT PLATE FOR PLUG
B	1	2ENC094-B	UPPER FRAME
C	1	2ENC094-C	UPPER DOOR LATCH INOX BAR
D	1	2ENC094-D	CIRCUIT BREAKER PLATE
E	1	2ENC094-E	INTERNAL DOOR
F	3	2ENC094-F	1/4 TURN SPRING LATCH
G	2	2ENC094-G	HANDLE
H	2	2ENC094-H	CAM
I	1	2ENC094-I	MAIN DOOR UPPER HANDLE ROD
J	1	2ENC094-J	MAIN DOOR LOWER HANDLE ROD
K	1	2ENC094-K	WINDOW DOOR UPPER HANDLE ROD
L	1	2ENC094-L	WINDOW DOOR LOWER HANDLE ROD
M	4	2ENC094-M	ROD GUIDE
N	2	2ENC094-N	ADAPTOR
O	1	2ENC094-O	LOWER DOOR LATCH INOX BAR
P	1	2ENC094-P	MAIN DOOR
Q	1	2ENC094-Q	WINDOW DOOR
R	1	2ENC094-R	LEXAN WINDOW
S	1	2ENC094-S	WINDOW KIT
T	3	2ENC094-T	INTERNAL DOOR HINGES
	2		STAINLESS STEEL RETAINING SCREW
	7		WELDED 12 GA. SS - SLIP HINGED (7 PLACES)

NOTES:

REPLACES 037-63-073

USED ON S/N CA00600033-0044

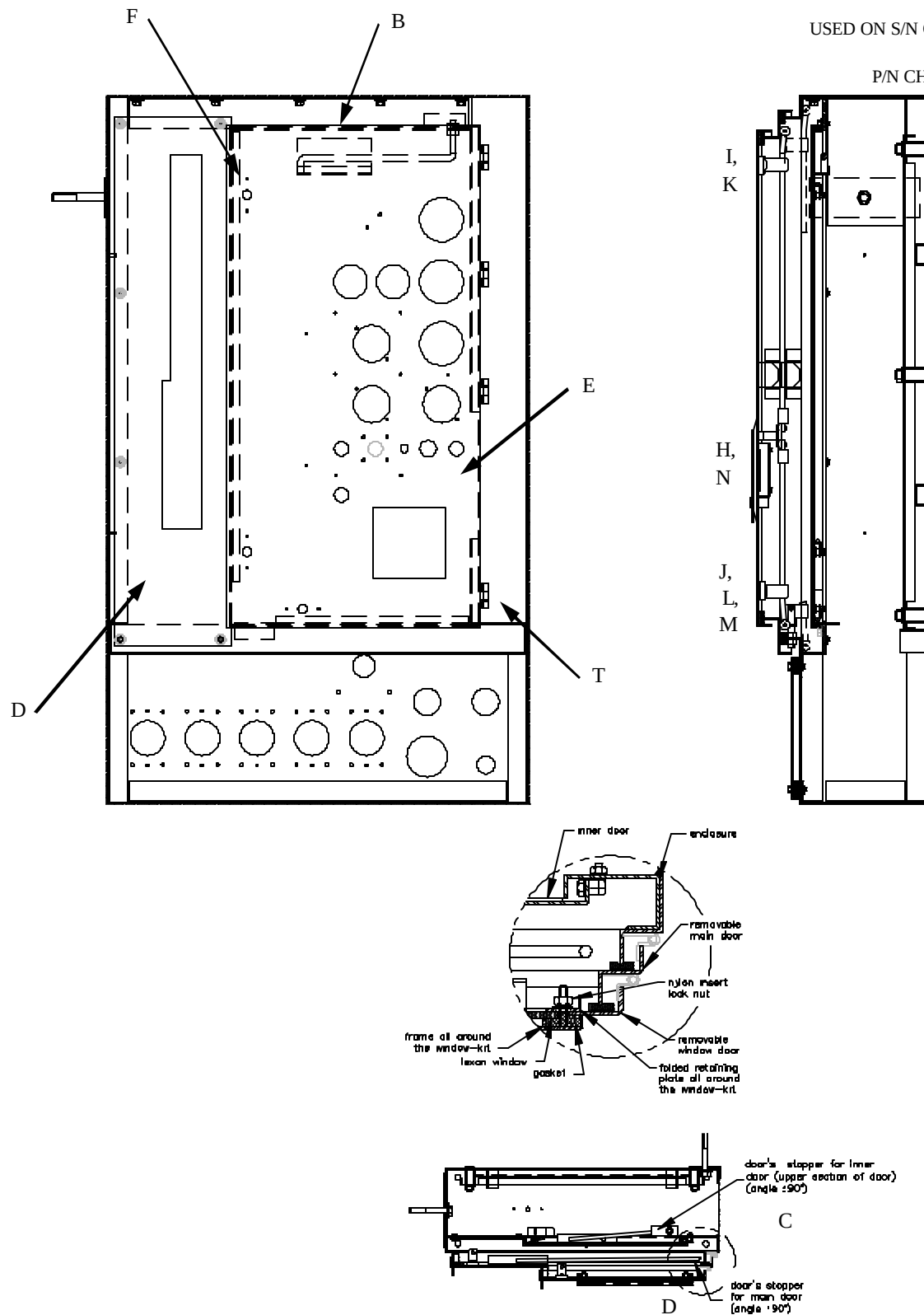
P/N CHANGE: 037-63-075



REPLACES 037-63-073

USED ON S/N CA00600033 – 0044

P/N CHANGE: 037-63-075



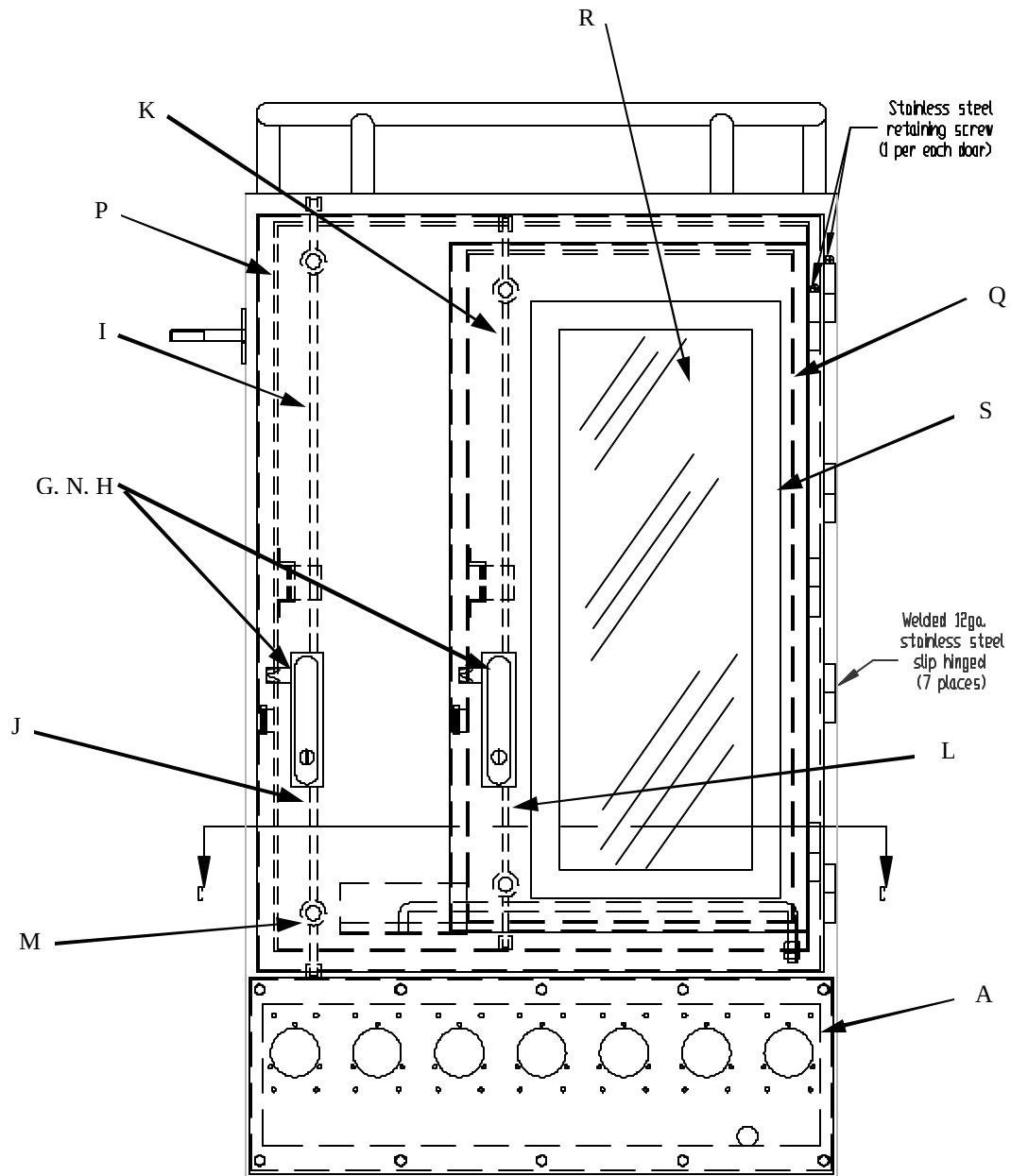
AS – REPLT PARTS, ENCLOSURE – 2ENC093 – MKIII			037-63-074
ITEM	QTY	PART NO	DESCRIPTION
	1	2ENC093	ENCLOSURE
A	1	2ENC093-A	FRONT PLATE FOR PLUG
B	1	2ENC093-B	UPPER FRAME
C	1	2ENC093-C	UPPER DOOR LATCH INOX BAR
D	1	2ENC093-D	CIRCUIT BREAKER PLATE
E	1	2ENC093-E	INTERNAL DOOR
F	3	2ENC093-F	1/4 TURN SPRING LATCH
G	2	2ENC093-G	HANDLE
H	2	2ENC093-H	CAM
I	1	2ENC093-I	MAIN DOOR UPPER HANDLE ROD
J	1	2ENC093-J	MAIN DOOR LOWER HANDLE ROD
K	1	2ENC093-K	WINDOW DOOR UPPER HANDLE ROD
L	1	2ENC093-L	WINDOW DOOR LOWER HANDLE ROD
M	4	2ENC093-M	ROD GUIDE
N	2	2ENC093-N	ADAPTOR
O	1	2ENC093-O	LOWER DOOR LATCH INOX BAR
P	1	2ENC093-P	MAIN DOOR
Q	1	2ENC093-Q	WINDOW DOOR
R	1	2ENC093-R	LEXAN WINDOW
S	1	2ENC093-S	WINDOW KIT
T	3	2ENC093-T	INTERNAL DOOR HINGES
	2		STAINLESS STEEL RETAINING SCREW
	7		WELDED 12 GA. SS - SLIP HINGED (7 PLACES)
	1	MCC# 7845K58	HOLE PLUG, 2 IN NEMA 13

NOTES:

REPLACES 037-63-072

USED ON S/N CA00600032-0032

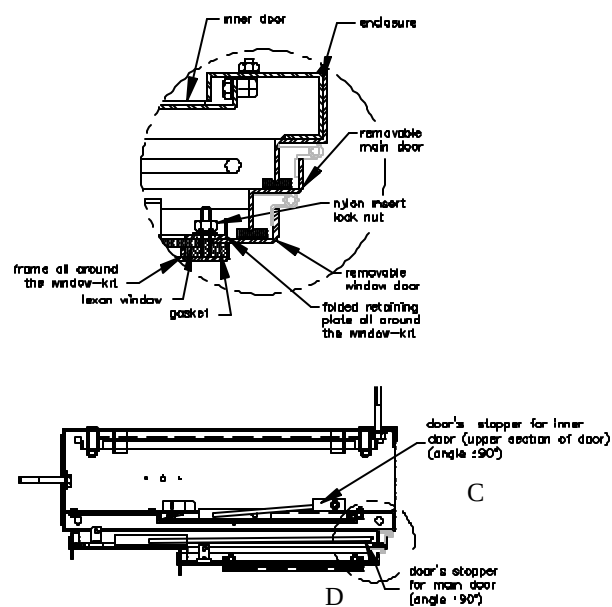
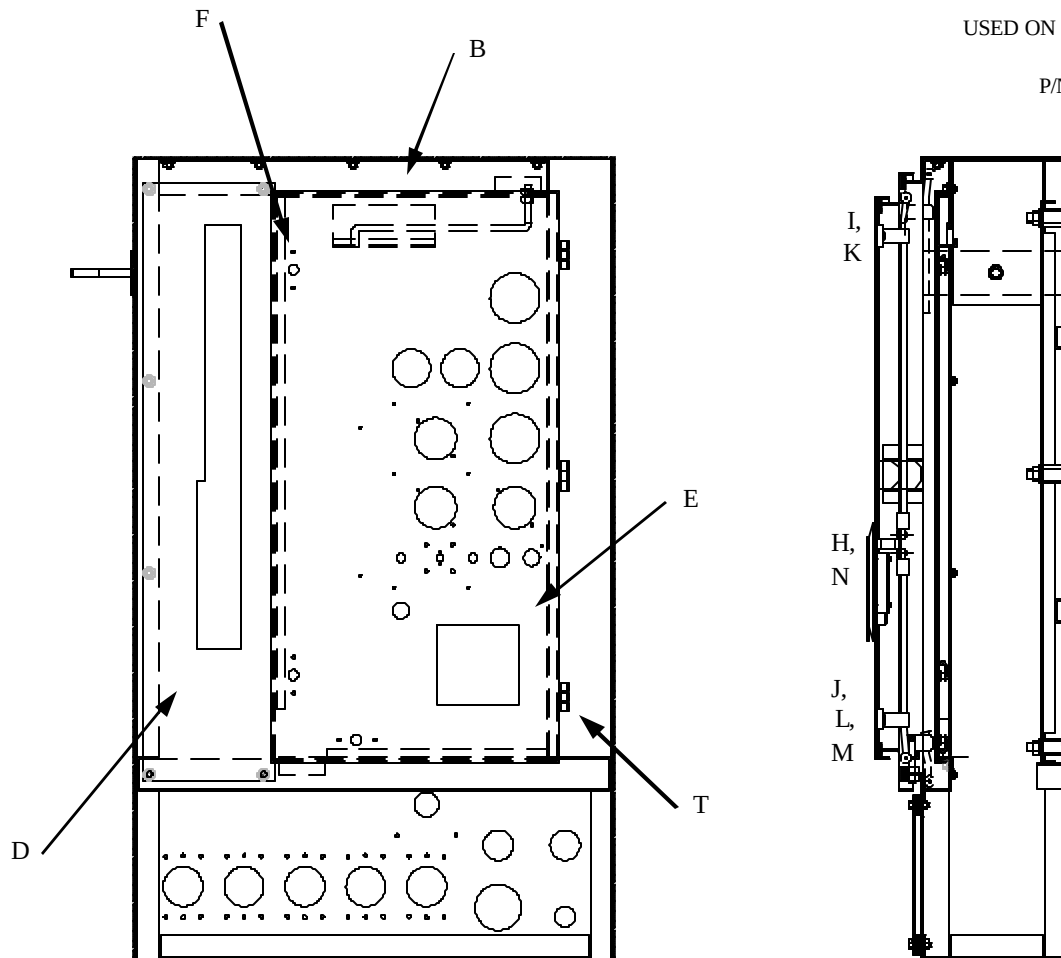
P/N CHANGE: 037-63-074



REPLACES 037-63-072

USED ON S/N CA00600032 – 0032

P/N CHANGE: 037-63-074

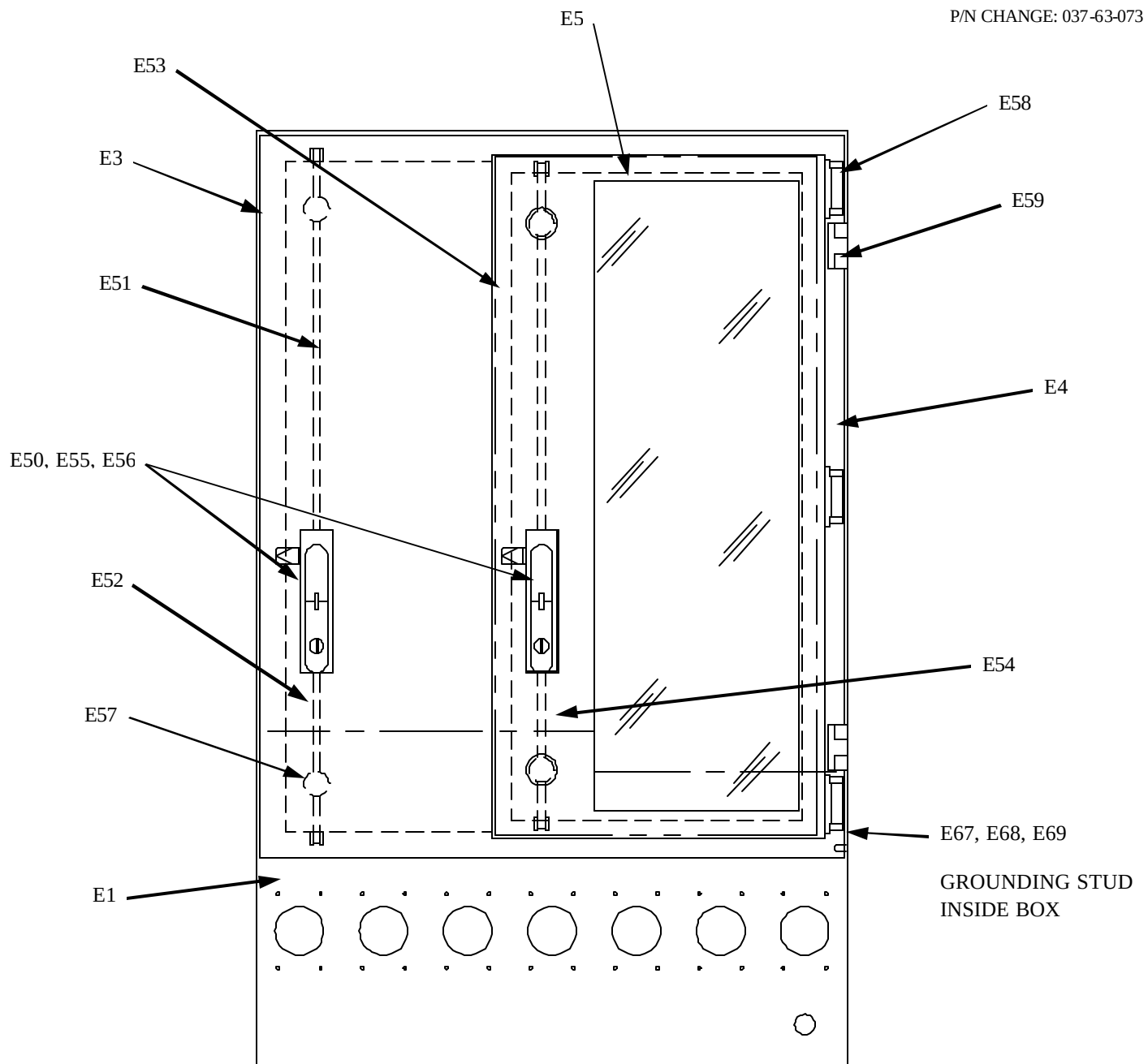


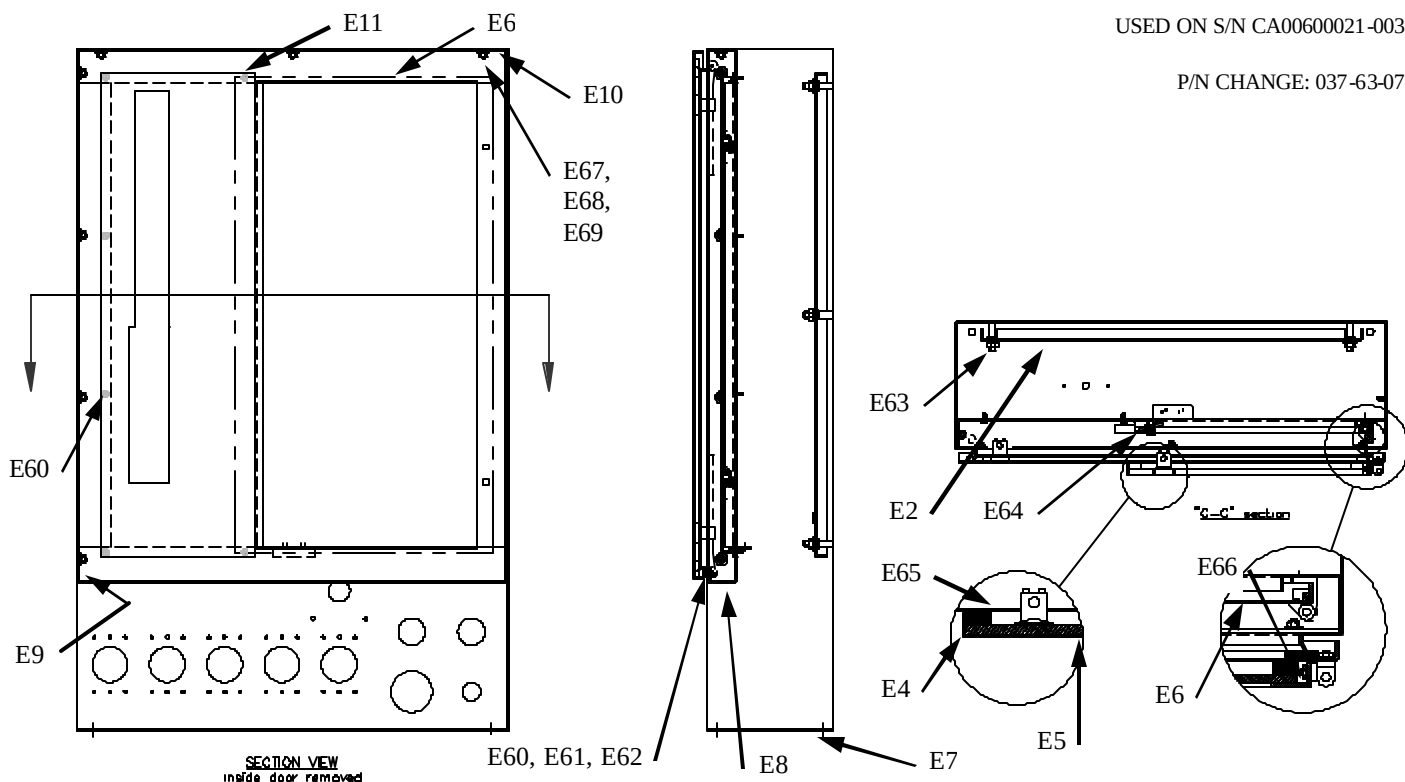
AS – REPLT PARTS, ENCLOSURE – 2ENC088 – MKIII			037-63-073
ITEM	QTY	PART NO	DESCRIPTION
	1	2ENC088	ENCLOSURE
A	1	2ENC088-A	FRONT PLATE FOR PLUG
B	1	2ENC088-B	UPPER FRAME
C	1	2ENC088-C	UPPER DOOR LATCH INOX BAR
D	1	2ENC088-D	CIRCUIT BREAKER PLATE
E	1	2ENC088-E	INTERNAL DOOR
F	3	2ENC088-F	1/4 TURN SPRING LATCH
G	2	2ENC088-G	HANDLE
H	2	2ENC088-H	CAM
I	1	2ENC088-I	MAIN DOOR UPPER HANDLE ROD
J	1	2ENC088-J	MAIN DOOR LOWER HANDLE ROD
K	1	2ENC088-K	WINDOW DOOR UPPER HANDLE ROD
L	1	2ENC088-L	WINDOW DOOR LOWER HANDLE ROD
M	4	2ENC088-M	ROD GUIDE
N	2	2ENC088-N	ADAPTOR
O	1	2ENC088-O	LOWER DOOR LATCH INOX BAR
P	1	2ENC088-P	MAIN DOOR
Q	1	2ENC088-Q	WINDOW DOOR
R	1	2ENC088-R	LEXAN WINDOW
S	1	2ENC088-S	WINDOW KIT
T	3	2ENC088-T	INTERNAL DOOR HINGES
	1	MCC# 7845K58	HOLE PLUG, 2 IN NEMA 13

NOTES:

USED ON S/N CA00600021-0031

P/N CHANGE: 037-63-073



AS – REPLT PARTS, ENCLOSURE – 0905003E6 – MKII			037-63-072
 USED ON S/N CA00600021-0031 P/N CHANGE: 037-63-073			
ITEM	QTY	PART NO	DESCRIPTION
E1	1	TO1577-A	ENCLOSURE
E2	1	TO1577-D	MOUNTING PANEL
E3	1	TO1577-E	DOOR
E4	1	TO1577-F	SMALL DOOR
E5	*	TO1577-G	(QTY 1) LEXAN WINDOW (INCLUDED IN E4)
E6	1*	TO1577-J	INSIDE DOOR
E7	2	TO1577-K	BASE
E8	1	TO1577-O	INSIDE REMOVEABLE BRACKET - BOTTOM
E9	1	TO1577-H	INSIDE REMOVEABLE BRACKET – LEFT
E10	1	TO1577-N	INSIDE REMOVEABLE BRACKET - TOP
E11	1	TO1577-Q	BENT INSIDE REMOVEABLE COVER (POST INCLUDED)
E50	2	TO1577A01	SWINGHANDLE C/W PADLOCK
E51	1	TO1577A02	UPPER ROD (MAIN DOOR)
E52	1	TO1577A03	LOWER ROD (MAIN DOOR)
E53	1	TO1577A04	UPPER ROD (SMALL DOOR)
E54	1	TO1577A05	LOWER ROD (SMALL DOOR)
E55	4	TO1577A06	ADAPTOR
E56	2	TO1577A07	CAM
E57	4	TO1577A08	ROD GUIDE

AS – REPLT PARTS, ENCLOSURE – 09052003E6 – MKII			037-63-072
E58	3	TO1577A09	SPECIAL HINGE
E59	2	TO1577A10	STD HINGE "METAMAX"
E60	9	TO1577A 12	SCREW, #10-32 X ½ IN QUADREX
E61	3	TO1577A 13	WASHER, SEAL #10
E62	3	TO1577A 14	HEX NUT, #14
E63	6	TO1577A 15	HEX NUT, 3/8 – 16 NC
E64	2	TO1577A 16	SLOTTED SPRING LATCH C/W POP RIVETS
E65	1	TO1577A 17	GASKET, ½ X ¾ X 85 IN
E67	9	TO1577A19	NUT, HEX 1/4-20NC
E68	9	TO1577A20	WASHER, FLAT 1/4 IN
E69	9	TO1577A21	WASHER, LOCK 1/4 IN
	1	MCC# 7845K58	HOLE PLUG, 2 IN NEMA 13
	4	TO1577A 22	HEX, CAP SCREW 3/8-16 X 3/4
	4	TO1577A 23	3/8 LOCK WASHER

MASTER HOSE CHART					037-42-000		
		A - END			B - END		
HOSE NO.	DESCRIPTION	SIZE	PARKER NO	CAT NO	SIZE	PARKER NO	CAT NO.
037-42-001	GP - HOSE, GENSET	—	—	—	—	—	—
037-42-002	ENG OIL PRESS GAUGE	-2	10155-2-2	—	-2	10155-2-2	—
037-42-003	HOSE GP - RADIATOR	—	—	—	—	—	—
037-42-007	GP - HOSE AIR COMPRESSOR	—	—	—	—	—	—
037-42-008	AIR COMPRESSOR MAIN AIR SUPPLY	-16	10193N-16-16	—	-16	10193N-16-16	—
037-42-009	AIR COMPRESSOR PILOT VALVE TO AIR TANK	-2	10155-2-4	—	-4	10155-4-4	—
037-42-010	AIR PRESSURE SENSOR TANK TOPS1 (S/N RANGE 0021-0044)	-2	10155-2-2	—	-2	10155-2-2	—
037-42-011	PRESSURE SWITCH 'PS1 TO PRESSURE GA (S/N RANGE 0021-0044)	-2	10155-2-2	—	-2	10155-2-2	—
037-42-013	HYD HOSE CRANE PUMP DRIVE LUBE	-4	10655-4-4	—	-4	10655-4-4	—
037-42-014	HYD HOSE CRANE PUMP SUCTION	-24	13743-24-24	—	-24	—	—
037-42-015	HYD HOSE CRANE PUMP PRESSURE	-12	10671-12-12	6V4661	-12	13771-12-12	6V4666
037-42-020	HIAB CRANE HOSE CHART	—	—	—	—	—	—
037-42-021-1	HIAB CRANE - SLEW/TURN CYL [CCW]	-8	10643-8-6	1241969	-8	13743-8-6	1241986
037-42-021-2	HIAB CRANE - SLEW/TURN CYL [CW]	-8	10643-8-6	1241969	-8	13743-8-6	1241986
037-42-021-3	HIAB CRANE - 1ST BOOM [RAISE]	-8	10643-8-6	1241969	-8	13743-8-6	1241986
037-42-021-4	HIAB CRANE - 1ST BOOM [LOWER]	-8	10643-8-6	1241969	-8	13743-8-6	1241986
037-42-021-5	HIAB CRANE - 2ND BOOM [LOWER]	-8	10643-8-6	1241969	-8	13743-8-6	1241986
037-42-021-6	HIAB CRANE - 2ND BOOM [RAISE]	-8	10643-8-6	1241969	-8	13743-8-6	1241986
037-42-022	HIAB CRANE - EXTENSION CYL	-8	10643-8-6	1241969	-8	13743-8-6	1241986
037-42-023	HIAB CRANE - RETRACT CYL	-8	10643-8-6	1241969	-8	13743-8-6	1241986
037-42-024	HIAB CRANE - TANK RETURN	-12	10643-12-12	2P-0987	-12	13743-12-12	2P-1458
037-42-025	AIR PRESSURE SENSOR TANK TO ENCLOSURE BULKHEAD (S/N RANGE 0045-UP)	-4	10155-4-4	—	-4	10155-4-4	—
037-42-026	AIR HOSE SENSOR ENCLOSURE BULKHEAD TO PRESS SW 1 (PS1)	-4	1JC55-4-3	N/A	-2	10155-2-3	N/A

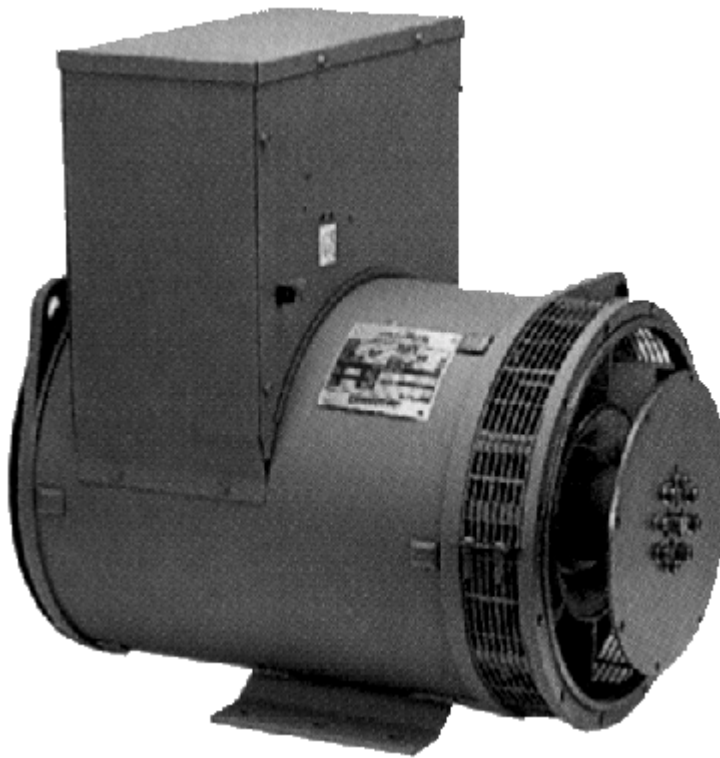
MASTER HOSE CHART – HOSE SPEC							037-42-000	
HOSE NO.	DESCRIPTION	SIZE	HOSE SPEC	CAT NO.	PARKER NO.	SLEEVE	O.A.L. (IN)*	PARKER HOSE ASSEMBLY NO.
037-42-001	GP - HOSE, GENSET	–	–	–	–	–	–	–
037-42-002	ENG OIL PRESS GAUGE	-2	100R7	–	540N-2		216	F540N-0101-2-2-2-216
037-42-003	HOSE GP - RADIATOR	–	–	–	–	–	–	–
037-42-007	GP - HOSE AIR COMPRESSOR	–	–	–	–	–	–	–
037-42-008	AIR COMPRESSOR MAIN AIR SUPPLY	- 16	CONV- OLUTE D PTFE	–	939-16	–	19	9390101-16-16-16-19
037-42-009	AIR COMPRESSOR PILOT VALVE TO AIR TANK	-4	100R7	–	540N-4	–	86	F540N-0101-2-4-4-86
037-42-010	AIR PRESSURE SENSOR TANK TO PS1 (S/N RANGE 0021-0044)	-2	100R7	–	540N-2	–	309.5	F540N-0101-2-2-2-309.5
037-42-011	PRESSURE SWITCH 'PS1 TO PRESSURE GA (S/N RANGE 0021-0044)	-2	100R7	–	540N-2	–	18	F540N-0101-2-2-2-18
037-42-013	HYD HOSE CRANE PUMP DRIVE LUBE	-4	100R7	–	540N-4	–	14	F540N-0606-4-4-4-14
037-42-014	HYD HOSE CRANE PUMP SUCTION	–	100R4	–	1226908	AS-B	360	F881-3700-24-00-24-360 AS-B
037-42-015	HYD HOSE CRANE PUMP PRESSURE	- 12	100R12	1650020	772TC-12	AS-B	216	F772TC-0637-12-12-12-216 AS-B
037-42-020	HIAB CRANE HOSE CHART	–	–	–	–	–	–	–
037-42-021-1	HIAB CRANE - SLEW/TURN CYL [CCW]	-6	100R2A T	1650016	381-6	1602245	144	F381-0637-8-8-6-144-PG
037-42-021-2	HIAB CRANE - SLEW/TURN CYL [CW]	-6	100R2A T	1650016	381-6	1602245	144	F381-0637-8-8-6-144-PG
037-42-021-3	HIAB CRANE - 1ST BOOM [RAISE]	-6	100R2A T	1650016	381-6	1602245	144	F381-0637-8-8-6-144-PG
037-42-021-4	HIAB CRANE - 1ST BOOM [LOWER]	-6	100R2A T	1650016	381-6	1602245	144	F381-0637-8-8-6-144-PG
037-42-021-5	HIAB CRANE - 2ND BOOM [LOWER]	-6	100R2A T	1650016	381-6	1602245	144	F381-0637-8-8-6-144-PG
037-42-021-6	HIAB CRANE - 2ND BOOM [RAISE]	-6	100R2A T	1650016	381-6	1602245	144	F381-0637-8-8-6-144-PG
037-42-022	HIAB CRANE - EXTENSION CYL	-6	100R2A T	1650016	381-6	1602245	210	F381-0637-8-8-6-210-PG
037-42-023	HIAB CRANE - RETRACT CYL	-6	100R2A T	1650016	381-6	1602245	220	F381-0637-8-8-6-220-PG
037-42-024	HIAB CRANE - TANK RETURN	- 12	100R4	1226872	881-12	717439	210	F881-0637-12-12-12-210-ASB
037-42-025	AIR PRESSURE SENSOR TANK TO ENCLOSURE BULKHEAD (S/N RANGE 0045-UP)	-4	100R7	–	540N-4	–	100	F540N-01J7-4-4-4-100
037-42-026	AIR HOSE SENSOR ENCLOSURE BULKHEAD TO PRESS SW 1 (PS1)	-3	100R7	N/A	540N-3		38	F540N-JC01-4-2-3-38

* O.A.L. IS THE OVERALL ASSEMBLED LENGTH OF THE HOSE ASSEMBLY WITH END FITTINGS INSTALLED, IT IS NOT THE BULK HOSE LENGTH.

APPENDIX A	GENERATOR
The following pages are taken from information published by the original equipment manufacturer (OEM), and are subject to change without notice.	
DESCRIPTION	
Generator	
Voltage Regulator	

MAGNAPLUS GENERATOR

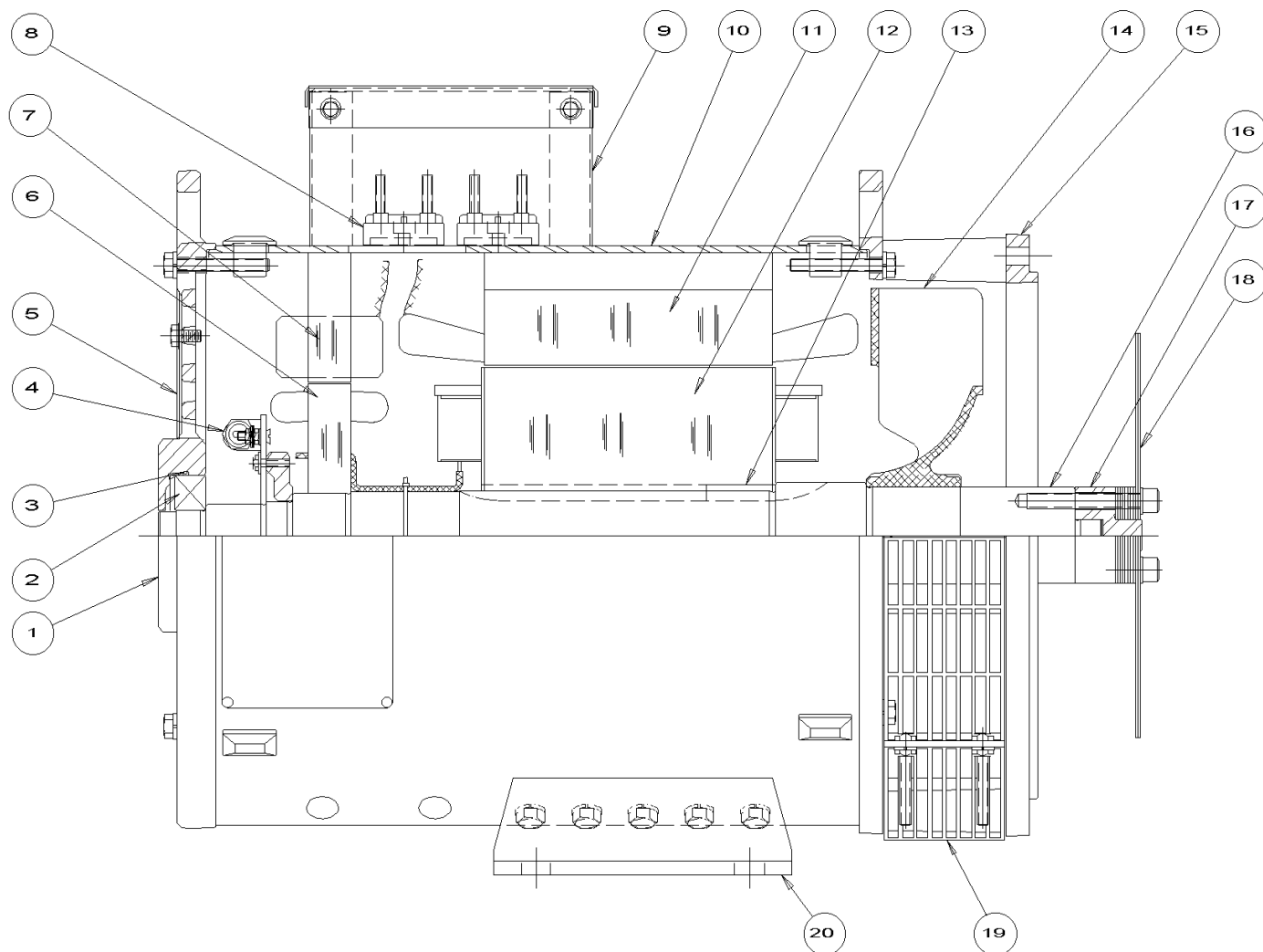
280 -- 430 Frame Installation, Operation and Maintenance Manual



Marathon Electric
A Subsidiary of Regal-Beloit Corp.
100 East Randolph Street
P.O. Box 8003
Wausau, WI 54402-8003
Phone: (715) 675 3311
Fax: (715) 675 6361

PARTS LIST – SINGLE BEARING

Typical Generator Cross Section



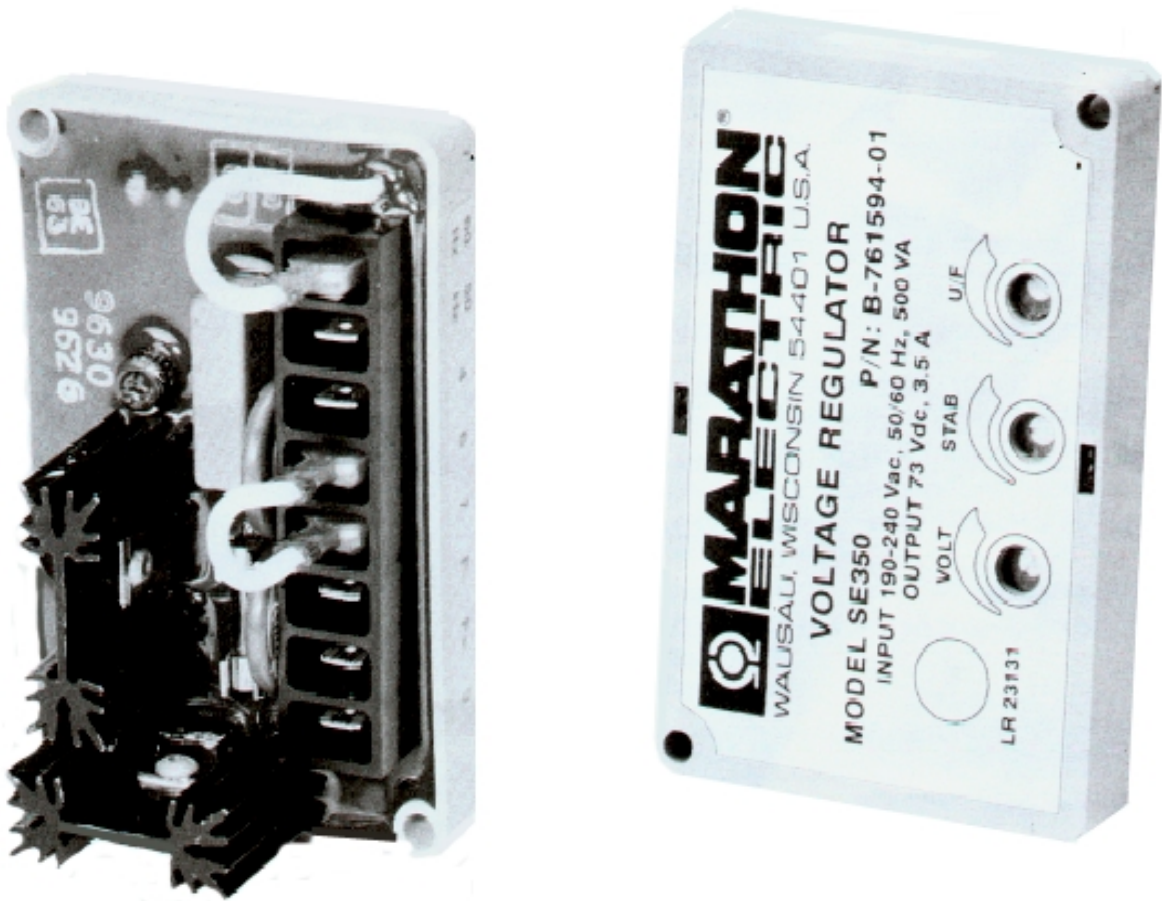
Reference Number	Part Name	Reference Number	Part Name
1	End Bracket (under end cover 360 & 430 frames)	11	Main Stator
2	Bearing	12	Main Rotor
3	O-ring (280 frame only)	13	Rotor Integral Keyway
4	Rectifier Assembly	14	Fan
5	Air Intake Screen (280 frame only)	15	Mounting Adapter (SAE)
6	Exciter Rotor	16	Shaft
7	Exciter Stator	17	Drive Hub
8	Link Board (terminal block)	18	Drive Disk (SAE)
9	Conduit Box	19	Exhaust Screen (drip cover not shown)
10	Generator Frame	20	Mounting Base

Note: Illustration above is a 280 frame MagnaPlus. Other Frame sizes are typical. Optional PMG not shown.
The generator model and serial numbers are required when ordering parts.

SE350

VOLTAGE REGULATOR

INSTRUCTION MANUAL



APPENDIX B	WELDERS
The following pages are taken from information published by the original equipment manufacturer (OEM), and are subject to change without notice.	
DESCRIPTION	
MILLER 456MP	
MILLER XMT 304	



OM-193 267H

February 2002

Processes



MIG (GMAW) and Pulsed MIG
(GMAW-P) Welding

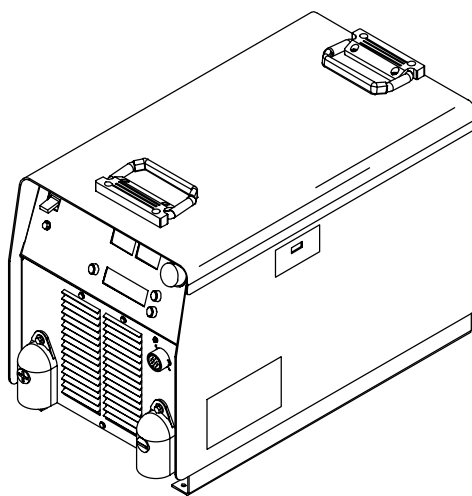
Flux Cored (FCAW) Welding

Description



Invision[®] 456MP

(230/460 And 575 Volt Models)



Visit our website at
www.MillerWelds.com

OWNER'S MANUAL

SECTION 7 – PARTS LIST

 Hardware is common and not available unless listed.

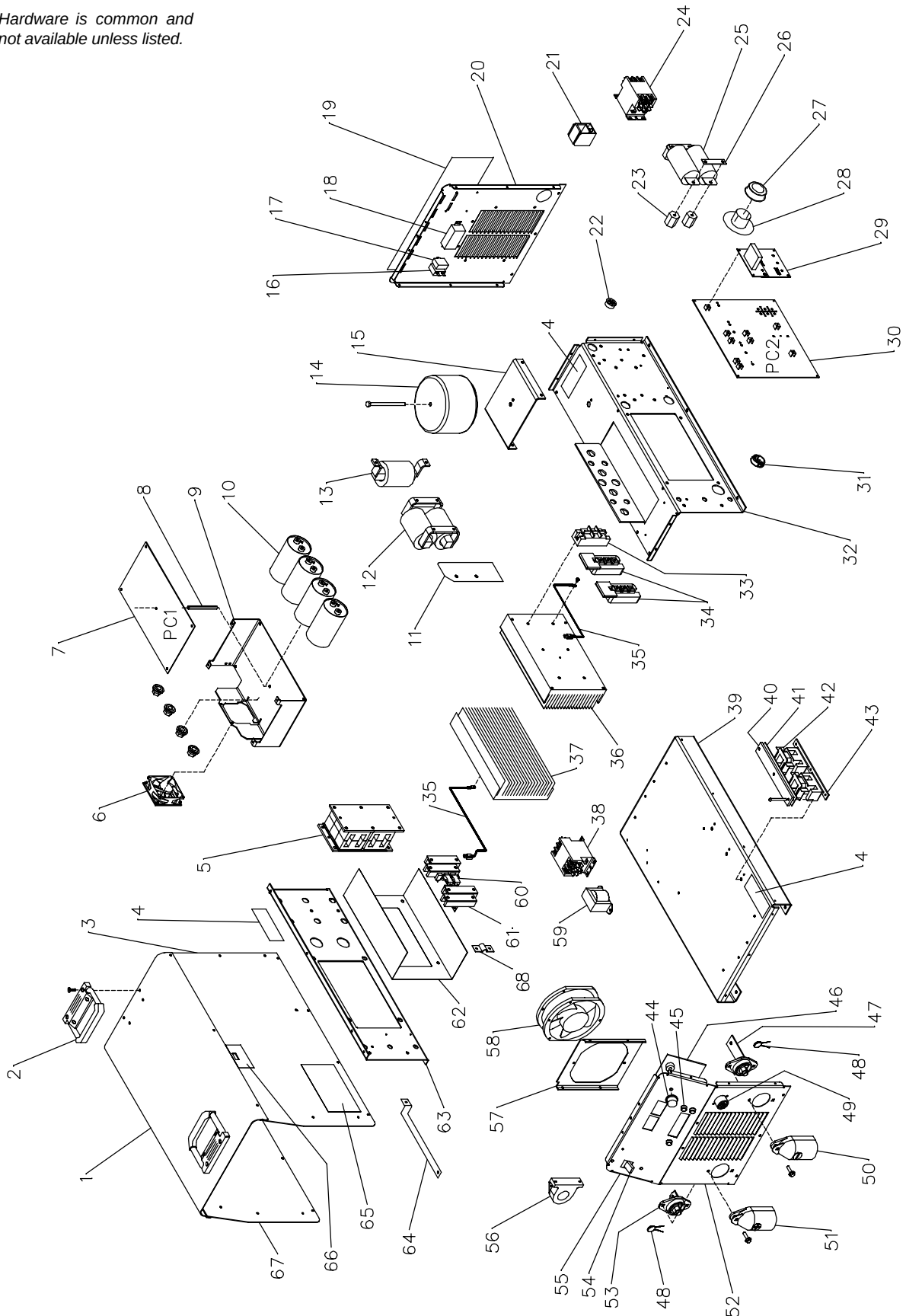


Figure 7-1. Complete Assembly

802 316-B

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 7-1. Complete Assembly				
1		187 234	COVER, top	1
2		195 585	HANDLE	2
3		+190 270	PANEL, side RH (230/460)	1
3		+190 373	PANEL, side RH (575)	1
		178 551	INSULATOR, side	1
4		185 835	LABEL, warning electric shock	3
5	T1	179 933	TRANSFORMER, HF (230/460)	1
5	T1	186 984	TRANSFORMER, HF (575)	1
6	FM2	183 918	MOTOR, fan 24VDC 3000RPM 43CFM w/10 ohm resistor	1
7	PC1	202 767	CIRCUIT CARD ASSEMBLY, control (230/460)	1
7	PC1	203 307	CIRCUIT CARD ASSEMBLY, control (575)	1
8		194 371	SPACER, al 3.500 lg	1
9		194 450	BRACKET, mtg capacitor/PC board/fan	1
10	C3-6	192 935	CAPACITOR, elctl 2700uf 420 (230/460)	4
10	C3-6	193 738	CAPACITOR, elctl 1800uf 500 VDC (575)	4
11		181 925	INSULATOR, stabilizer lead	1
12	Z1	180 029	STABILIZER, output	1
13	L1	180 026	INDUCTOR, input	1
14	T2	183 192	TRANSFORMER, control 230/460 VAC	1
14	T2	185232	TRANSFORMER, control 575 VAC	1
15		180 105	BRACKET, mtg transformer aux	1
16	CB2	093 995	CIRCUIT BREAKER, man reset 15A	1
17	CB1	083 432	CIRCUIT BREAKER, man reset 10A	1
18	RC2	604 176	RECEPTACLE, str dx grd 3W 15A 120V	1
19		179 847	PLATE, identification (order by model & serial number)	1
		175 282	COVER, receptacle weatherproof	1
20		+179 899	PANEL, rear	1
		181 181	LABEL, warning electric shock	1
21		◆185 373	SWITCH, reed (230/460 only)	1
22		153 403	BUSHING, snap-in nyl .750 ID x 1.000mtg hole	2
23		025 248	STAND-OFF, insul .250–20 x 1.250 lg	4
24	W1	180 270	CONTACTOR, def prp 40A 3P 24VAC	1
25	C1,2	186 015	CAPACITOR, polyp film .34uf 1000VAC (230/460)	2
25	C1,2	195 939	CAPACITOR, polyp film .22uf 1000VAC (575)	2
26		185 992	BUS BAR, capacitor	2
27	CT1	181 271	TRANSFORMER, current 500 turns	1
28		177 547	BUSHING, snap-in nyl CT–MT 1.125mtg hole	1
29	PC6	180 131	CIRCUIT CARD ASSEMBLY, relink (230/460 only)	1
30	PC2	187 243	CIRCUIT CARD ASSEMBLY, interconnect (230/460)	1
30	PC2	187 244	CIRCUIT CARD ASSEMBLY, interconnect (575)	1
30		185 214	BUS BAR, interconnecting (575 only)	1
31		179 276	BUSHING, snap-in nyl 1.000 x 1.375mtg hole	1
32		+194 449	WINDTUNNEL, RH	1
33	SR1	184 260	KIT, diode power module	1
34	PM1,2	184 258	KIT, transistor IGBT module	1
35	RT1,2	173 632	THERMISTOR, NTC 30K ohm @ 25deg C	2
36		179 930	HEAT SINK, power module	1
37		204 165	HEAT SINK, rect quad diode	1
38	W2	◆180 270	CONTACTOR, def prp 40A 3P 24VAC (230/460 only)	1
39		190 272	BASE	1
40		180 271	BRACKET, mtg choke	1
41		182 654	GASKET, DI–DT rubber	1
42	L3,4	180 103	COIL, DI–DT	2
43		176 844	CORE, ferrite	2
44		174 715	KNOB, round 1.250 dia x .250 ID	1
		167 633	WASHER, shldr .612 ID x 1.060 OD x .062 T	1
		010 291	WASHER, flat .625 ID x 1.25 OD x .125 T	1
		159 264	RING, rtng ext .625 shaft x .042 thk	1

... 45	153 169	... ACTUATOR, switch	3
... 46	PC3 203 276	... CIRCUIT CARD ASSEMBLY, front panel	1
... 47	182 707	... TERMINAL, power output black	1
... 48	C7,8 186 543	... CAPACITOR	2
... 49	190 470	... RECEPTACLE, w/leads-cap-plug	1
... 50	180 732	... BOOT, neg output stud	1
... 51	179 848	... BOOT, pos output stud	1
... 52	191 760	... PANEL, front	1

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 7-1. Complete Assembly (Continued)				
... 53		181 245	... TERMINAL, power output red	1
... 54	S1	128 756	... SWITCH, tgl 3PST 40A 600VAC scr	1
...		176 226	... INSULATOR, switch power	1
... 55			... NAMEPLATE, (order by model and serial number)	1
... 56	HD1	168 829	... TRANSDUCER, current 1000A max	1
... 57		179 928	... SHROUD, fan	1
... 58	FM1	175 084	... MOTOR, fan 24VDC 3000RPM	1
... 59	T3	◆181 042	... TRANSFORMER (230/460 only)	1
... 60	R1,2			
...	C9,10,11,12	175 194	... RESISTOR/CAPACITOR	2
... 61	D1-4	201 531	... KIT, diode ultra fast recovery	4
... 62		179 826	... INSULATOR, rectifier	1
... 63		+179 902	... WINDTUNNEL, LH	1
...		179 276	... BUSHING, snap-in nyl 1.000 x 1.375mtg hole	2
... 64		183 827	... BUS BAR, output	1
... 65		134 327	... LABEL, warning general precautionary	2
... 66		180 994	... LABEL, warning match input power	1
...	PLG4	131 056	... HOUSING RECEPTACLE & SOCKETS	1
...	RC10	166 679	... HOUSING RECEPTACLE PINS & SOCKETS	1
...	PLG2	115 092	... HOUSING PLUG & SOCKETS	1
...	PLG7,19	115 094	... HOUSING PLUG & SOCKETS	1
...	PLG9,11	115 091	... HOUSING PLUG & SOCKETS	1
...		◆143 976	... RECEPTACLE w/SOCKETS (230/460 only)	1
...		◆135 409	... HOUSING PLUG & PINS (230/460 only)	1
...	PLG3,12	180 776	... PLUG, w/leads voltage feedback	1
...	PLG5,15,16	175 026	... PLUG, w/leads	1
...	PLG21	181 410	... PLUG, w/leads	1
...		◆172 565	... CABLE, power 21 in 18ga (230/460 only)	1
... 67		190 271	... PANEL, side LH	1
... 68		199 840	... BUS BAR, diode	4

◆ OPTIONAL

+When ordering a component originally displaying a precautionary label, the label should also be ordered.

To maintain the factory original performance of your equipment, use only Manufacturer's Suggested Replacement Parts. Model and serial number required when ordering parts from your local distributor.



OM-2208

175 493X

September 2002

Processes



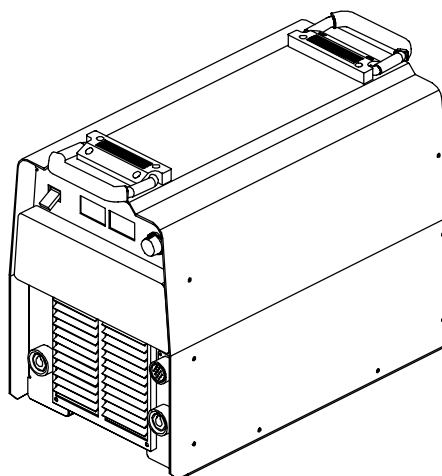
Multiprocess Welding

Description



Arc Welding Power Source

XMT[®] 304 (230/460 And 460/575 Volt Models)



CC/CV and CC Models



Visit our website at
www.MillerWelds.com

OWNER'S MANUAL

SECTION 7 – PARTS LIST

 Hardware is common and not available unless listed.

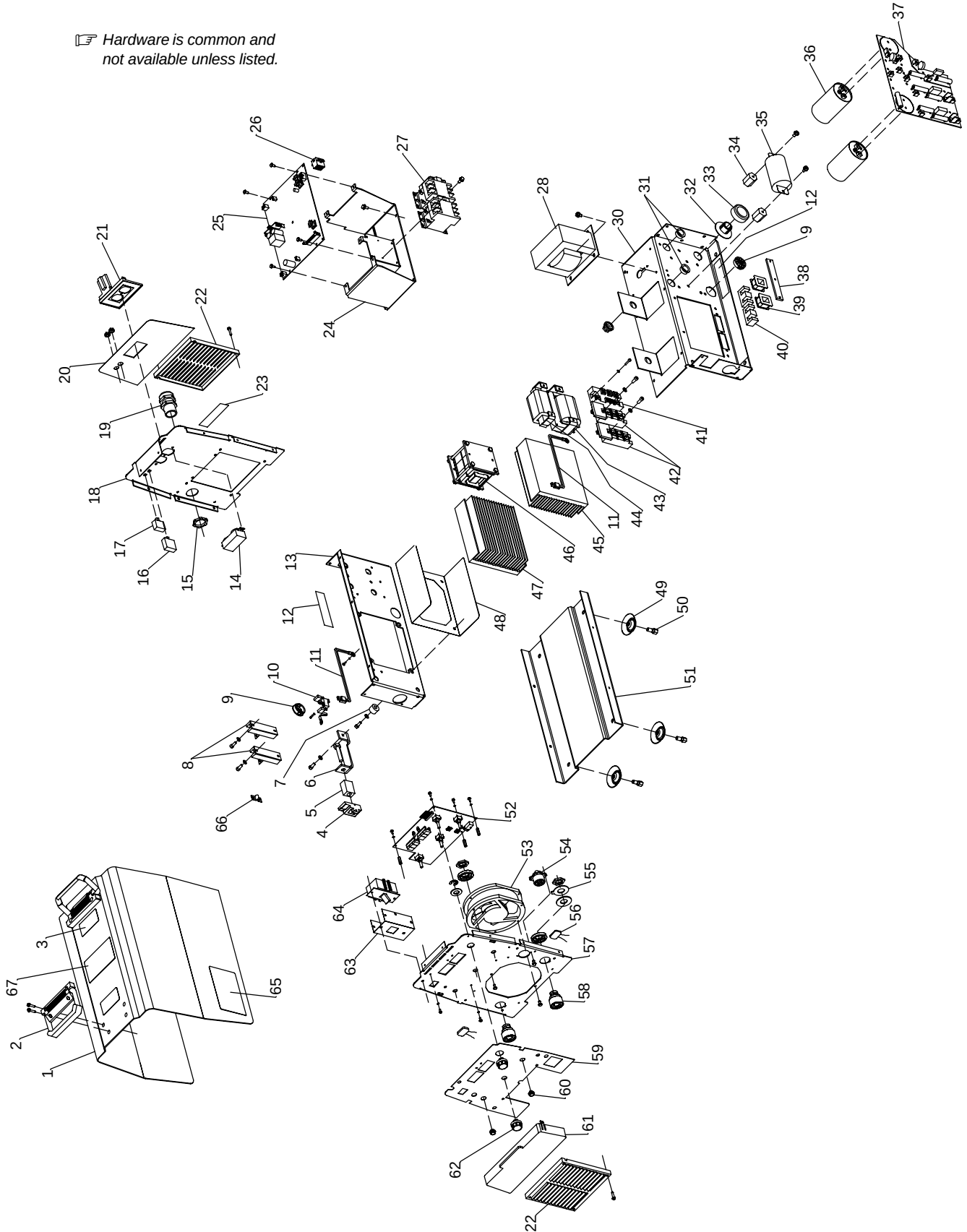


Figure 7-1. Parts Assembly

ST-801 428-F

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 7-1. Parts Assembly				
... 1		+175 148	.. WRAPPER	1
		178 551	.. INSULATOR, side LH	1
		175 256	.. INSULATOR, side RH	1
... 2		195 585	.. HANDLE	2
... 3		138 442	.. LABEL, caution falling equipment	2
... 4	HD1	189 567	.. TRANSDUCER, current 300A	1
	PLG9	130 204	.. CONNECTOR & PINS	1
... 5		194 546	.. BUS BAR, lem	1
... 6		175 139	.. BUS BAR, output rectifier	1
... 7		181 853	.. INSULATOR, screw	1
... 8	D1,2	201 531	.. KIT, diode power module	2
... 9		179 276	.. BUSHING, snap-in nyl 1.000 ID x 1.375mtg hole	2
... 10	C5,6 R1	175 194	.. RESISTOR/CAPACITOR	1
... 11	RT1,2	173 632	.. THERMISTOR, NTC 30K ohm	2
... 12		185 835	.. LABEL, warning exploding parts	2
... 13		+183 551	.. WINDTUNNEL, LH	1
... 14		◆604 176	.. RECEPTACLE, str dx grd 2P3W 15A 125V	1
... 15		182 445	.. NUT, 1.000NPT	1
... 16	CB1	089 807	.. CIRCUIT BREAKER, man reset 1P 2.5A 250VAC	1
... 16	CB1	◆083 432	.. CIRCUIT BREAKER, man reset 1P 10A 250VAC	1
... 17	CB2	083 432	.. CIRCUIT BREAKER, man reset 1P 10A 250VAC	1
... 18		206 460	.. PANEL, rear	1
... 18		◆175 147	.. PANEL, rear (w/aux power)	1
... 19		186 441	.. BUSHING, strain relief .710-.980 ID x 1.375	1
		206 060	.. CABLE, power	1
... 20			.. PLATE, ident rear (order by model and serial number)	1
... 21		◆175 282	.. COVER, receptacle	1
... 22		175 138	.. BOX, louver	2
... 23		148 329	.. LABEL, caution incorrect voltage (230/460)	1
... 23		182 227	.. LABEL, caution incorrect voltage (460/575)	1
... 24		192 853	.. BRACKET, mtg contactor/capacitor/PC Board	1
... 25	PC1	202 763	.. CIRCUIT CARD, control (230/460)	1
... 25	PC1	203 322	.. CIRCUIT CARD, control (460/575)	1
	PLG2	131 056	.. CONNECTOR & SOCKETS (RC2)	1
	PLG3	130 203	.. CONNECTOR & SOCKETS (RC3)	1
	PLG4	115 094	.. CONNECTOR & SOCKETS (RC4)	1
	PLG5	115 091	.. CONNECTOR & SOCKETS (RC5)	1
	PLG7	115 093	.. CONNECTOR & SOCKETS (RC7)	1
... 26	RC10	166 679	.. CONNECTOR & SOCKETS	1
... 27	W1,2	175 082	.. CONTACTOR, def prp 40A 24VAC coil (230/460 only)	1
		173 763	.. STAND-OFF, No. 10-32 x 1.418 (230/460 only)	7
... 28	T2	201 684	.. TRANSFORMER, control (230/460)	1
... 28	T2	◆193 774	.. TRANSFORMER, control (230/460)	1
		◆183 549	.. BRACKET, mtg aux transformer	1
... 28	T2	204 256	.. TRANSFORMER, control (460/575)	1
... 30		207 727	.. WINDTUNNEL, RH	1
... 31		153 403	.. BUSHING, snap-in nyl .750 ID x 1.000mtg	2
... 32		177 547	.. BUSHING, snap-in nyl 1.125mtg	1
... 33	CT1	175 199	.. TRANSFORMER, current	1
... 34		025 248	.. STAND-OFF, insul	2
... 35	C1	186 015	.. CAPACITOR, polyp film .34uf 1000VAC (230/460)	1
... 35	C1	186 549	.. CAPACITOR, polyp film .27uf 1000VAC (460/575)	1

+When ordering a component originally displaying a precautionary label, the label should also be ordered.

◆Part of 043 302 115V Aux Power Option (230/460) or 043 303 115V Aux Power Option (460/575).

To maintain the factory original performance of your equipment, use only Manufacturer's Suggested Replacement Parts. Model and serial number required when ordering parts from your local distributor.

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 7-1. Parts Assembly (Continued)				
... 36	... C3,4	... 192 935	.. CAPACITOR, elctlt 2700uf 450VDC (230/460)	2
... 36	... C3,4	... 193 738	.. CAPACITOR, elctlt 1800uf 500VDV (460/575)	2
... 37	... PC2	... +197 585	.. CIRCUIT CARD, interconnect (230/460)	1
... 37	... PC2	... +197 586	.. CIRCUIT CARD, interconnect (460/575)	1
...	... PLG13	... 131 204	.. CONNECTOR & SOCKETS (RC13)	1
...	... PLG14,21	... 115 093	.. CONNECTOR & SOCKETS (RC14) (RC21)	2
...	...	... 126 026	.. LABEL, warning electric shock	1
... 38	...	... 175 140	.. BRACKET, DI/DT	1
... 39	...	... 175 482	.. COIL, DI/DT	2
... 40	...	... 109 056	.. CORE	2
... 41	... SR1	... 179 629	.. KIT DIODE, power module	1
... 42	... PM1,2	... 180 110	.. KIT, transistor IGBT module	1
... 43	... Z1	... 173 570	.. STABILIZER	1
... 44	... L1	... 173 563	.. INDUCTOR, input	1
... 45	...	... 207 725	.. HEAT SINK, power module	1
... 46	... T1	... 173 811	.. TRANSFORMER, HF (230/460)	1
... 46	... T1	... 180 952	.. TRANSFORMER, HF (460/575)	1
... 47	...	... 207 467	.. HEAT SINK, rect	1
... 48	...	... 175 255	.. INSULATOR, rectifier	1
...	...	... 110 386	.. RELAY, 24VAC (460/575 only)	1
... 49	...	... 173 693	.. FOOT, mtg unit	4
... 50	...	... 176 736	.. SCREW, mtg foot	4
... 51	...	... 175 132	.. BASE	1
... 52	... PC3	... 190 704	.. CIRCUIT CARD, front panel display (CC model)	1
... 52	... PC3	... 190 700	.. CIRCUIT CARD, front panel display (CC/CV model)	1
...	... PLG11	... 115 091	.. CONNECTOR & SOCKETS (RC2)	1
... 53	... FM	... 175 084	.. MOTOR, fan 24VDC 3000RPM	1
... 54	... RC1	... 185 730	.. RECEPTACLE, w/leads & plug	1
... 55	...	... 178 548	.. TERMINAL, connector friction	2
... 56	... C7,8	... 186 543	.. CAPACITOR	2
... 57	...	... 185 732	.. PANEL, front	1
... 58	...	... 129 525	.. RECEPTACLE, twlk insul fem	2
... 58	...	♦ 209 219	.. RECEPTACLE, twlk insul fem (Tweco)	2
... 59	...	...	.. NAMEPLATE, (order by model and serial number)	1
... 60	...	... 174 992	.. KNOB, pointer .840	2
... 61	...	... 175 855	.. DOOR, front	1
... 62	...	... 174 991	.. KNOB, pointer 1.250	2
... 63	...	... 176 226	.. INSULATOR, switch power	1
... 64	... S1	... 128 756	.. SWITCH, tgl 3PST 40A 600VAC	1
... 65	...	... 134 327	.. LABEL, warning general precautionary	2
... 66	...	... 199 840	.. BUS BAR, diode	2
... 67	...	... 190 125	.. LABEL, warning electric shock power cord	1

+When ordering a component originally displaying a precautionary label, the label should also be ordered.

♦Part of 195 181 Tweco Connector Option

To maintain the factory original performance of your equipment, use only Manufacturer's Suggested Replacement Parts. Model and serial number required when ordering parts from your local distributor.

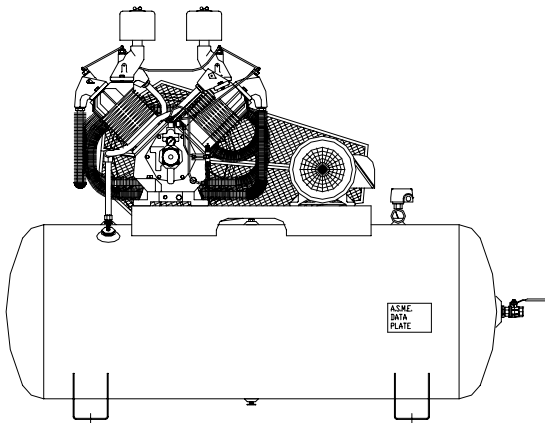
APPENDIX C	AIR COMPRESSOR
The following pages are taken from information published by the original equipment manufacturer (OEM), and are subject to change without notice.	
DESCRIPTION	
Champion BPL20 / BPL25 / BPL30	

PL Series 2-Stage Pressure Lubricated Air Compressor & Units Featuring the PL70A Pump



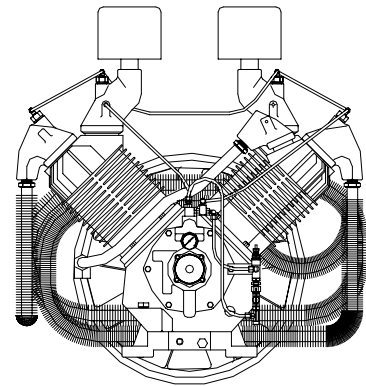
WARNING

**THIS MANUAL CONTAINS IMPORTANT SAFETY INFORMATION AND SHOULD ALWAYS BE AVAILABLE TO THOSE PERSONNEL OPERATING THIS UNIT.
READ, UNDERSTAND AND RETAIN ALL INSTRUCTIONS BEFORE OPERATING THIS EQUIPMENT TO PREVENT INJURY OR EQUIPMENT DAMAGE.**



**C370-A
(Ref. Drawing)**

MODEL HPL25-25 UNIT

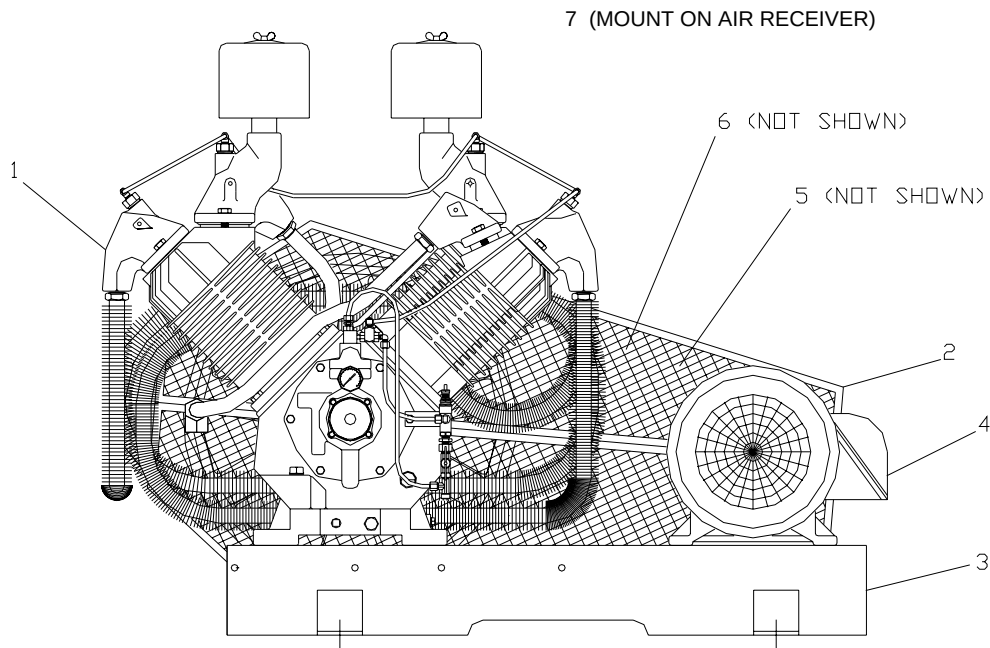


**C330-A
(Ref. Drawing)**

MODEL PL70A COMPRESSOR

UNIT REPAIR PARTS ILLUSTRATION

MODELS: BPL-20, BPL-25, & BPL-30



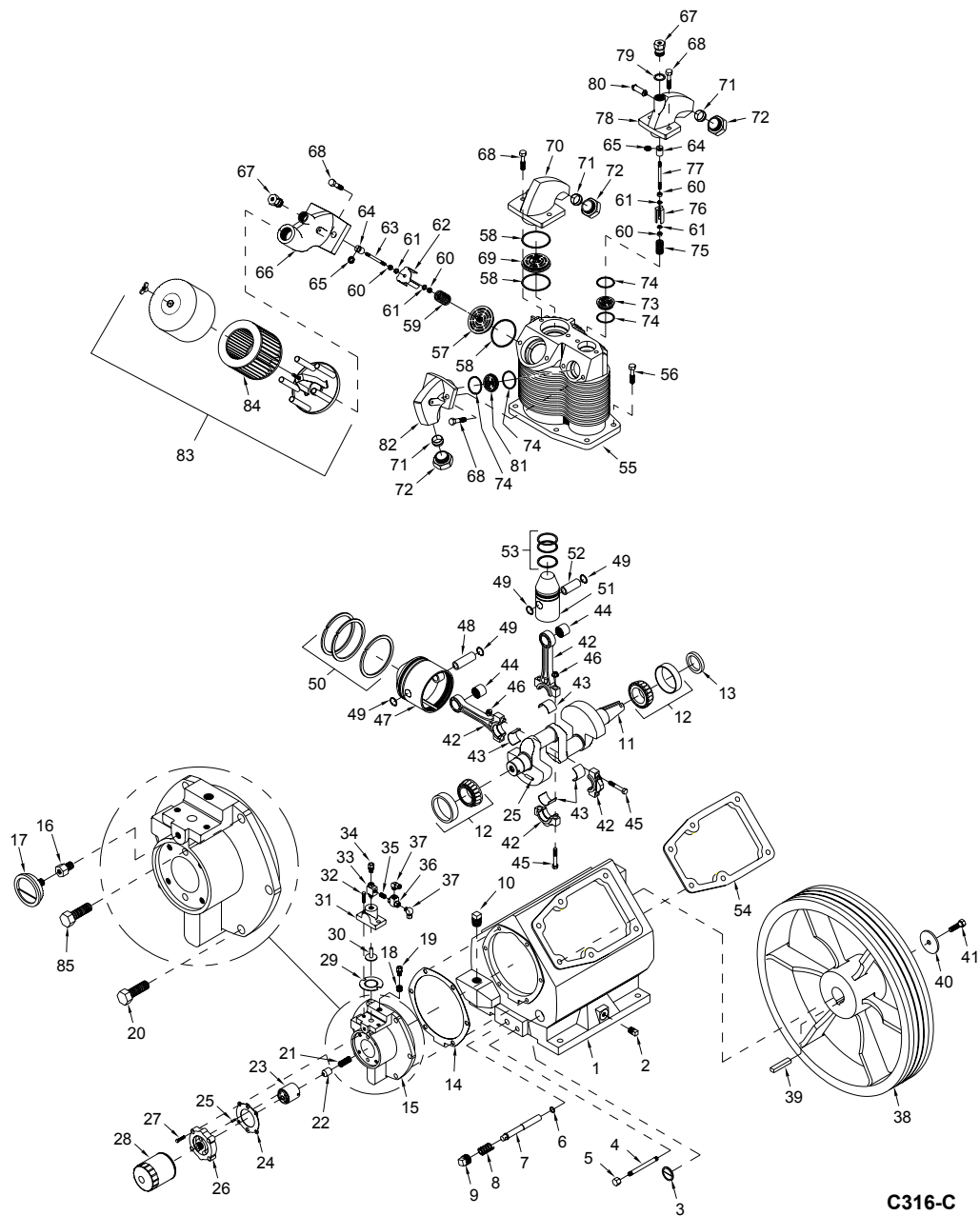
C372-A
(Ref. Drawing)

REPAIR PARTS LIST

		MODEL		
		BPL-20	BPL-25	BPL-30
1	Pump	PL70A	PL70A	PL70A
2	Belt Guard	Z674	Z674	Z674
3	Base Plate	P03538C	P03538C	P03538C
4	Motor	20 HP	25 HP	30 HP
5	Pulley 175 PSIG	P05634A Pulley	P09311B	P03710A Pulley
		P05622A Bushing		P05621A Bushing
5	Pulley 250 PSIG	P07813A Pulley	P05634A Pulley	P09311B
		P12157A Bushing		
6	Belts	175 PSIG	B100 (3)	B100 (3)
		250 PSIG	B100 (3)	B100 (3)
7	Pressure Relief Valve (On Air Receiver)	M2845	M2845	M2845

COMPRESSOR REPAIR PARTS ILLUSTRATION

Models: PL70A



C316-C
(Ref. Drawing)

Repair Parts List
Compressor Model PL70A

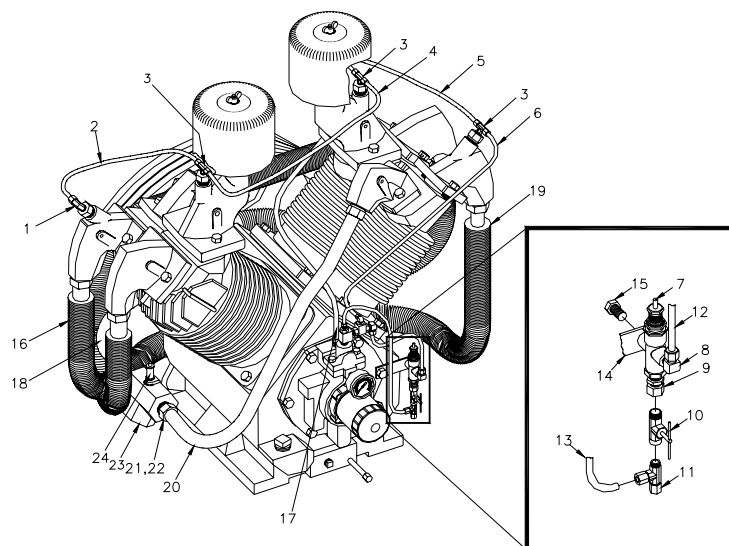
Ref. No.	Description	Part Number	Qty.
1	Crankcase	P07393D	1
2	Pipe plug	64AA5	1
3	Oil level gauge	RE714	1
4	Pipe nipple	M492	1
5	Pipe cap	M461	1
6	O-Ring	P07428A	1
7	Oil screen	P07381B	1
8	Spring	P07427A	1
9	Pipe plug	M998B	1
10	Pipe plug	64A5	1
11	Crankshaft	P11547C	1
12	Main bearing	Z6506	2
13	Oil seal	P03433A	1
14	Bearing housing gasket set	Z12120	1
15	Bearing housing	P11545D	1
16	Adaptor	P11513A	1
17	Oil pressure gauge	P07430A	1
18	Pipe bushing	M1318	1
19	3/8 x 1/4" NPT Straight compression fitting	M2864	1
20	Hex head cap screw	M2345	4
21	Oil pump spring	P10071A	1
22	Oil pump plunger	P10072A	1
23	Oil pump	P10070A	1
24	Oil pump cover gasket	P11512A	1
25	Coiled spring pin	M3426	2
26	Oil pump cover	P10957C	1
27	Hex head cap screw	M3274	4
28	Oil filter	P10066A	1
29	Diaphragm	P07585A	1
30	Plunger	P07586A	1
31	Unloader housing	P07386B	1
32	Hex head cap screw	M2596	2
33	Control valve	P08691A	1
34	1/4 x 1/8" NPT Straight compression fitting	M2863	1
35	Close pipe nipple	M1012B	1
36	Shuttle valve	P08692A	1
37	1/4 x 1/8" NPT 90 Compression fitting	M2868	2
38	Flywheel	P05723C	1
39	Key	M1506	1
40	Flywheel washer	M1394	1
41	Hex head cap screw	M2265	1
42	Connecting rod assembly (includes items 43,44,45 & 46)	Z12121	4
43	Bearing insert (sold in pairs)	Z3255	4
44	Piston pin bearing	P03430A	4
45	Connecting rod bolt	P03458A	8
46	Connecting rod nut	P03459A	8
47	Low pressure piston with pin	ZM1906	2
48	Low pressure piston pin	M1395	2
49	Piston pin retaining ring	P03434A	8
50	Low pressure piston ring set	Z9087	2

Repair Parts List
Compressor Model PL70A

Ref. No.	Description	Part Number	Qty.
51	High pressure piston with pin	ZM1393	2
52	High pressure piston pin	M1383	2
53	High pressure piston ring set	Z9088	2
54	Cylinder flange gasket	M1391	2
55	Cylinder	P05863D	2
56	Hex head cap screw	M3461	12
57	Low pressure intake valve assembly	Z273	2
58	Low pressure valve gasket	P07352A	6
59	Spring	M1449	2
60	Hex nut	M926A	8
61	Lock washer	M919A	8
62	Unloader finger	M1815	2
63	Unloader piston rod	M1448	2
64	Unloader piston	P02287A	4
65	O-Ring	P02547A	4
66	Low pressure intake manifold	P09712D	2
67	Unloader cylinder	P02306A	4
68	Hex head cap screw	P04779A	16
69	Low pressure discharge valve assembly	Z274	2
70	Low pressure discharge manifold	M1423	2
71	Ferrule	P06064A	6
72	Compression nut	M1418	6
73	High pressure intake valve assembly	Z784	2
74	High pressure valve gasket	P07353A	8
75	Spring	M1450	2
76	Unloader finger	M1447	2
77	Unloader piston rod	M1452	2
78	High pressure intake manifold	M1426	2
79	Unloader cylinder gasket	P00746A	2
80	Interstage pressure relief valve	M3685	2
81	High pressure discharge valve assembly	Z785	2
82	High pressure discharge manifold	M1508	2
83	Intake filter	P07447A	2
84	Intake filter element	P05051A	2
85	Hex head cap screw	SE594	2
	Complete compressor pump gasket set (items 6,14,24 & 54)	Z9122	1
	Low pressure piston kit (items 47 & 50)	Z9108	2
	High pressure piston kit (items 51 & 53)	Z9107	2
	Complete compressor pump ring set (items 50 & 53)	Z9123	1
	Valve set with gaskets (items 57, 58, 69,73, 74 & 81)	Z614	1
	Valve gasket kit (items 58 & 74)	Z615	1

COMPRESSOR REPAIR PARTS ILLUSTRATION

Model: PL70A



C317-A
(Ref. Drawing)

Repair Parts List Models PL70A

Ref. No.	Description	Part Number	Qty.
1	1/4 x 1/8" NPT 90 Compression fitting	M2868	1
2	Manifold tube	M1510	1
3	1/4 x 1/4 x 1/8" NPT Tee compression fitting	M2879	3
4	Intermediate tube	M1512	1
5	Manifold tube	M1511	1
6	Head unloader tube	P10829A	1
7	Pilot valve (see VEI drawing 037-43-006)		1
8	1/4 x 1/4 x 1/8" NPT Tee compression fitting	M2868	1
9	Pipe bushing	M947B	1
10	Needle valve	P07717A	1
11	Tee fitting (see VEI drawing 037-43-006)		1
12	Shuttle valve tube	P10839A	1
13	Control valve tube	P10830A	1
14	Pilot valve bracket	M807	1
15	Hex head cap screw	M3465	1
16	Left intercooler (includes compression fittings)	ZM1432	1
17	Breather tube	P10828A	1
18	Left discharge tube (includes compression fittings)	ZM1533	1
19	Right intercooler (includes compression fittings)	ZM1433	1
20	Right discharge tube (includes compression fittings)	ZM1532	1
21	Ferrule	P06064A	2
22	Compression nut	M1418	2
23	Discharge tee	M1516	1
24	Pressure relief valve (175 psi)	P09704A	1
24	Pressure relief valve (250 psi)	P12078A	1
	Intercooler clamp (not shown)	M1537	1
	Intercooler clamp (not shown)	M1538	1
	Hex head cap screw (not shown)	M3471	2
	Speednut (not shown)	P03699A	2
	3/8 X 1/4" NPT 90 Compression fitting (Breather tube, not shown)	M2869	1

UNIT HAZARD DECAL LISTING

<u>PAGE</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>
27	PRODUCT LIABILITY DECAL SHEET - MASTER	P10157A
	Unit Pressure Setting	1
	NOT USED	2
	DANGER – Breathing Air	3
	DANGER – Drain Tank Daily	4
	WARNING – Pressure/Safety Valve	5
	NOT USED	6
	DANGER – Valve Maintenance	7
	DANGER – High Voltage	8
	WARNING – Hot Surfaces	9
	WARNING – Do Not Remove Fan Guard	10
	NOTICE - Lubricant	11a
	NOT USED	11b
	DECAL – Synthetic or Food Grade Inserts	12
	NOT USED	13
	DECAL – Pressure Setting: 140-175PSIG	14
	DECAL – Pressure Setting: 215-250PSIG	14
	NOTICE – Read and Retain Manuals	15
	INSTRUCTIONS – Dual Control	16
	DECAL – Rotation Direction	17
	NOT USED	18
	DECAL – Pressure Switch	P14677A

PUMP HAZARD DECAL LISTING

<u>PAGE</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>
28	PUMP DECAL SHEET – MASTER	P13805A
	NOT USED	A1
	NOTICE - Lubricants	A2
	DECAL – Rotation Direction	B
	NOTICE – Read and Retain Manuals	C
	DANGER – Breathing Air	D
	DECAL – Made in the United States of America	E
	IMPORTANT NOTICE – Motor Burn-outs	F

DO NOT CONNECT
INCOMING POWER
SUPPLY TO PRESSURE
SWITCH.

P14677A

UNIT HAZARD DECALS

5

⚠ WARNING

- **RELIEVE TANK PRESSURE BEFORE SERVICING.** Failure to do so can result in injury.
- **DO NOT ADJUST PRESSURE SWITCH, PILOT VALVE, OR SAFETY VALVES.** Exceeding factory settings can cause equipment damage and injury.

4

⚠ DANGER

DRAIN THIS TANK DAILY!
Failure to drain moisture will corrode tank material and lead to tank failure which will cause equipment damage, injury, or death.

3

⚠ DANGER

Air from this compressor must not be used for food processing or breathing without adequate filtering. Failure to comply will result in injury or death.

2

⚠ WARNING

DO NOT START ENGINE UNLESS TANK PRESSURE IS BELOW 130 PSIG.
TO REDUCE TANK PRESSURE, OPEN VALVE ADJACENT TO THIS DECAL.

UNIT PRESSURE SETTING

1

UNIT PRESSURE FACTORY SET AT

UNIT PRESSURE SETTING

1

UNIT PRESSURE FACTORY SET AT

10

⚠ WARNING

DO NOT REMOVE BELT OR FAN GUARD
Removal will expose rotating parts which can cause severe injury and/or property damage.

9

⚠ WARNING

Do not touch hot surfaces! Contact with these surfaces can cause injury.

7

⚠ DANGER

Valves must be replaced in original position. Failure to do this will result in equipment damage, injury, or death. Do not disassemble valves.

11a

⚠ NOTICE

YOUR COMPRESSOR HAS BEEN TESTED AND SHIPPED WITH

Champion

FOR OPTIMUM PERFORMANCE USE ONLY GENUINE CHAMPION PARTS AND OILS. CONTACT CHAMPION DISTRIBUTOR FOR ADDITIONAL LUBRICANT AND REPLACEMENT PARTS.

11b

⚠ NOTICE

YOUR COMPRESSOR HAS BEEN TESTED AND SHIPPED WITH

AEON

FOR OPTIMUM PERFORMANCE USE ONLY GENUINE AEON DENVER PARTS AND OILS. CONTACT LOCAL AEON DISTRIBUTOR FOR ADDITIONAL LUBRICANT AND REPLACEMENT PARTS.

10

⚠ WARNING

DO NOT REMOVE BELT OR FAN GUARD
Removal will expose rotating parts which can cause severe injury and/or property damage.

9

⚠ WARNING

Do not touch hot surfaces! Contact with these surfaces can cause injury.

8

⚠ DANGER

HIGH VOLTAGE
DISCONNECT POWER SOURCE BEFORE SERVICING.

14

85-115 PSIG
95-125 PSIG
130-165 PSIG
140-170 PSIG
140-175 PSIG
215-250 PSIG
20-40 PSIG
60-80 PSIG
60-90 PSIG
70-90 PSIG
70-100 PSIG
80-100 PSIG

13

AC-SY
AC-FG
AC-HC

12

FOOD GRADE
SYNTHETIC

17

ROTATION IN DIRECTION OF ARROW MOVIE JO NOT CLAMP IN NOTATION
ROTATION IN DIRECTION OF ARROW MOVIE JO NOT CLAMP IN NOTATION
ROTATION IN DIRECTION OF ARROW MOVIE JO NOT CLAMP IN NOTATION
ROTATION IN DIRECTION OF ARROW MOVIE JO NOT CLAMP IN NOTATION

16

INSTRUCTIONS
DUAL CONTROL

This unit is equipped with a dual control valve. Open valve completely for continuous run operation. Close valve completely for start-stop operation.

15

⚠ NOTICE

Read, understand and retain all labels and Owners Manuals before using this equipment.
IMPORTANT: Please keep the operating Instructions with this compressor unit.

Master Decal Set
P/N P10157A

6

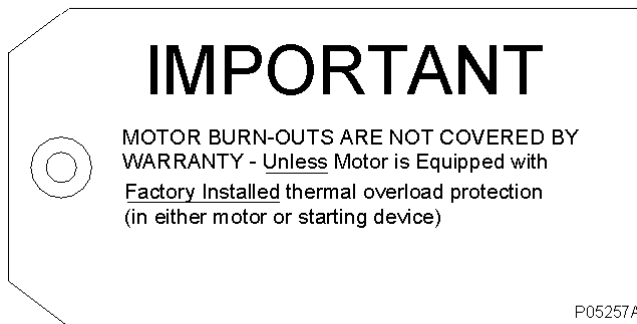
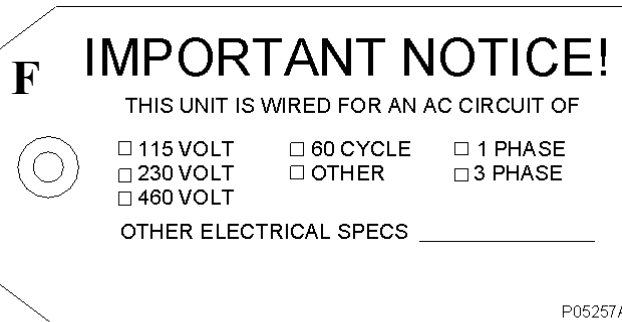
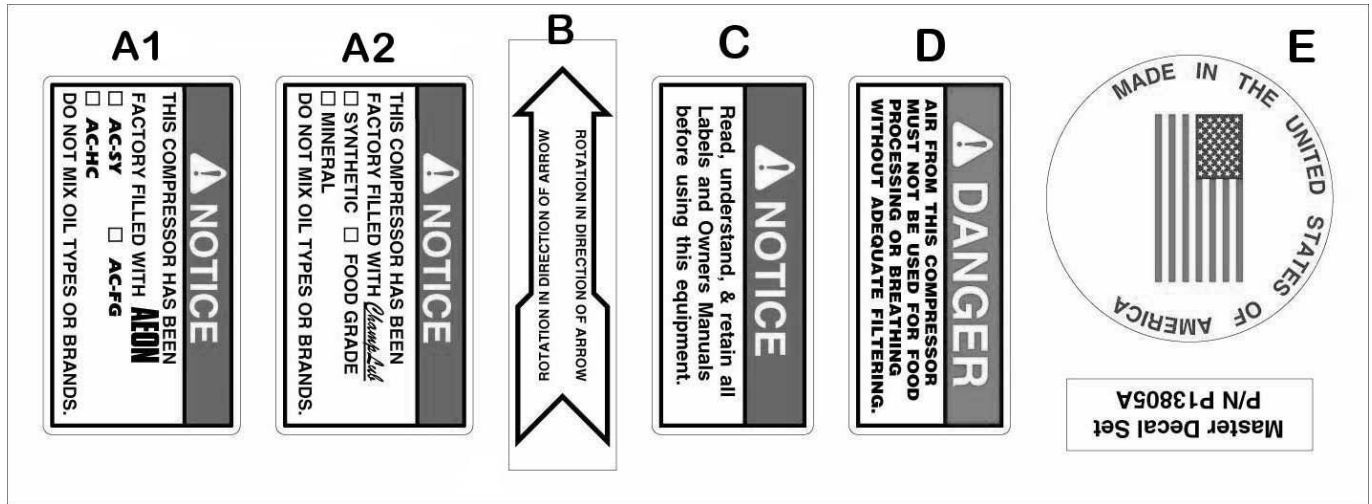
MODEL:

SERIAL NO:

18

RESET	RESET
-------	-------

PUMP HAZARD DECALS



ASSEMBLY PART NUMBER INDEX

037-05-001.....	1	037-43-004.....	48
037-05-002.....	2	037-43-006.....	82
037-05-004.....	14	037-43-008.....	41
037-05-017.....	2	037-43-009.....	85
037-05-018.....	5	037-50-001.....	46
037-05-031.....	9	037-50-004.....	68
037-05-032.....	11	037-50-015.....	76
037-09-001.....	56	037-50-038.....	72
037-10-001.....	16	037-50-042.....	77
037-10-095.....	17	037-50-072.....	50
037-11-001.....	19	037-50-073.....	55
037-11-003.....	28	037-50-074.....	74
037-11-010.....	20	037-50-076.....	47
037-11-030.....	29	037-50-077.....	54
037-11-031.....	30	037-55-001.....	78
037-11-054.....	32	037-55-002.....	79
037-11-058.....	33	037-55-003.....	79
037-11-097.....	34	037-55-004.....	79
037-11-117.....	35	037-55-005.....	83
037-11-160.....	22	037-55-006.....	84
037-11-198.....	26	037-55-018.....	88
037-11-199.....	24	037-55-019.....	87
037-11-204.....	27	037-60-001.....	15
037-11-208.....	25	037-60-004.....	39
037-14-005.....	18	037-60-011.....	42
037-14-057.....	6	037-60-012.....	43
037-14-066.....	6	037-63-001.....	89
037-15-001.....	36	037-63-019.....	75
037-15-020.....	36	037-63-027.....	90
037-20-001.....	44	037-63-031.....	91
037-35-001.....	45	037-63-038.....	92
037-35-011.....	37	037-63-066.....	93
037-35-047.....	38	037-63-070.....	94
037-40-001.....	60	037-63-072.....	111
037-40-002.....	62	037-63-073.....	107
037-40-003.....	80	037-63-074.....	103
037-40-004.....	45	037-63-076.....	99
037-42-000.....	114	037-71-002.....	7
037-42-001.....	65	037-71-003.....	3
037-42-003.....	69	037-71-004.....	9
037-42-007.....	81	037-71-005.....	12
037-42-020.....	40	037-71-010.....	8
037-43-001.....	66	037-71-013.....	4
037-43-002.....	70	037-71-030.....	10
037-43-003.....	86	037-71-045.....	13

NOTES: