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DWG. NO:  
09402

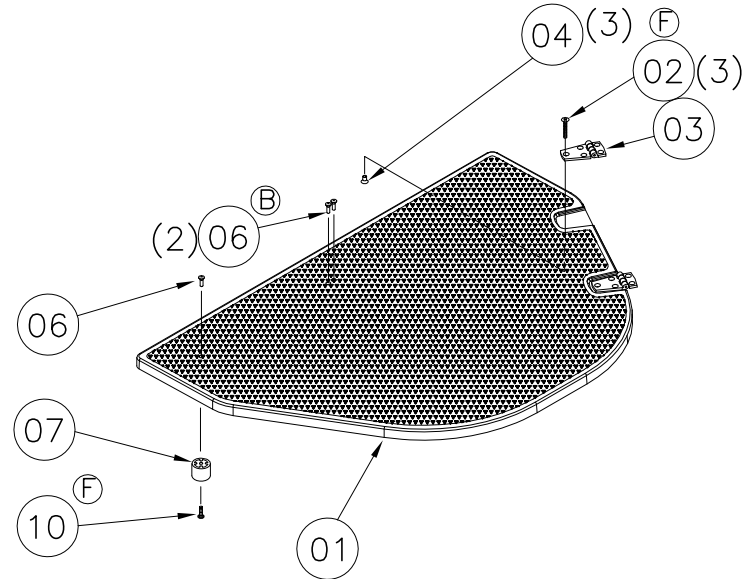
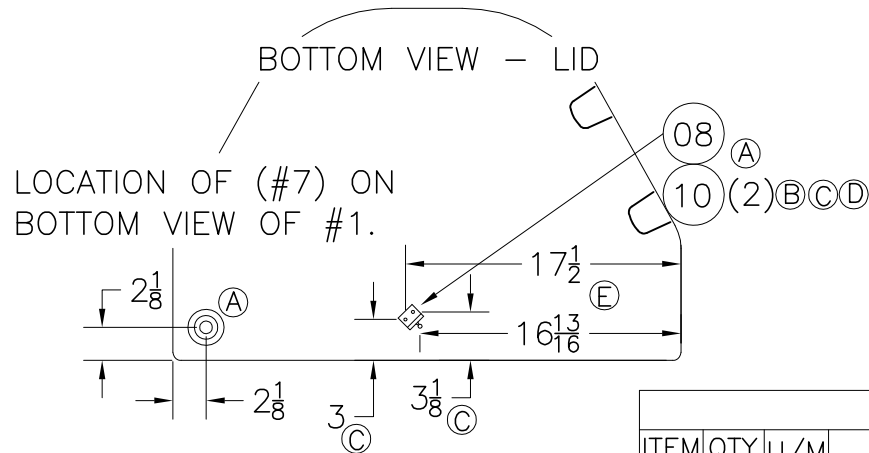
REV.  
F

CURRENT ECD  
07064406

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
A	DIM WAS 1 7/8" X 1 7/8", ADD 8 & 9	SWH	01-23-06	VPK	051039
B	DELETED #9. ADDED #10. #6 WAS QTY. 1	JFH	02-06-06	VPK	051039
C	CHANGED BRACKET LOCATION & ITEM #10.	JC	04-19-06	AVM	060484
D	CHANGED PN# & DESCRIPTION ITEM 10	SLJ	01/22/07	DJW	06113812
E	CHANGED SHOCK BRACKET LOCATION, WAS 17"	SLJ	01/26/07	DJW	07013887
F	DELETED ITEM #5, REPLACED ITEM #2 WITH #10-24 x 5/8" PPH	TKJ	06/29/07	AVM	07064406

NOTES:

- REFER TO DWG. 16114 FOR FLANGE TRIM DETAILS.
- ALL FASTENERS SHALL BE SEALED AT INSTALLATION USING WHITE SILICONE SEALANT. BARREL NUT ENDS SHALL BE SEALED AND SMOOTHED OVER AFTER HINGES HAVE BEEN INSTALLED.
- REFER TO DWG. 05114 FOR LAMINATION DETAILS.



NOTE:  
INSTALL BLACK (MALE) PORTION IN RUBBER PORTION AFTER #7 INSTALLED.

PARTS LIST						
ITEM	QTY	U/M	DESCRIPTION	B.W.I.	NO.	
1	1	EA.	FIBERGLASS PART, ANCHOR LOCKER COVER	22K26400		
(F) 2	6	EA.	SCREW, MACHINE #10-24 X 3/4" POH SC	1008440		
3	2	EA.	HINGE, DOOR SS 1.5"X 3" THINLINE	1617323		
4	6	EA.	NUT, BBL #10-24 X 3/8" FH	1040187		
<del>5</del>	<del>1</del>	<del>EA.</del>	<del>WASHER, FLAT #10 SC</del>	<del>1260751</del>		
(B) 6	3	EA.	NUT, BBL #10-24 X 3/8" TH CHR/BR	1040211		
7	1	EA.	STOP, DOOR HOLDER RBR BLK	1142348		
(A) 8	1	EA.	BRACKET, SS LIFT CYL 90DEG 1"W/STUD	1688166		
<del>(B) 9</del>	<del>2</del>	<del>EA.</del>	<del>SCREW, TAPPING #8A X 5/8" PTH SC</del>	<del>1010925</del>		
(F)(D)(C)(B) 10	3	EA.	SCREW, MACHINE #10-24 X 5/8" PPH SC	1326313		

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
TOLERANCES: ANGLES = ± .5' XXX = ± .010  
.X = ± .1 .XX = ± .03 X = ± 1/16  
DO NOT SCALE DRAWING



CHECKED: R. DURHAM	DATE: 12-08-05	DRAWN: J. HALPIN	DATE: 11/08/05	SCALE: NONE	BOAT MODEL: 190MT	MOLD NO.: 22K26400
APPD: KR	DATE: 12-08-05	DWG. TITLE: ANCHOR LOCKER SUB-ASSY			INIT. REL. ECN NO.: 051039	DWG. NO.: 09402
DESIGN: VPK	DATE: 12-08-05				SHT. NO.: 1	OF 1
INT. ENG: MG	DATE: 12-08-05					

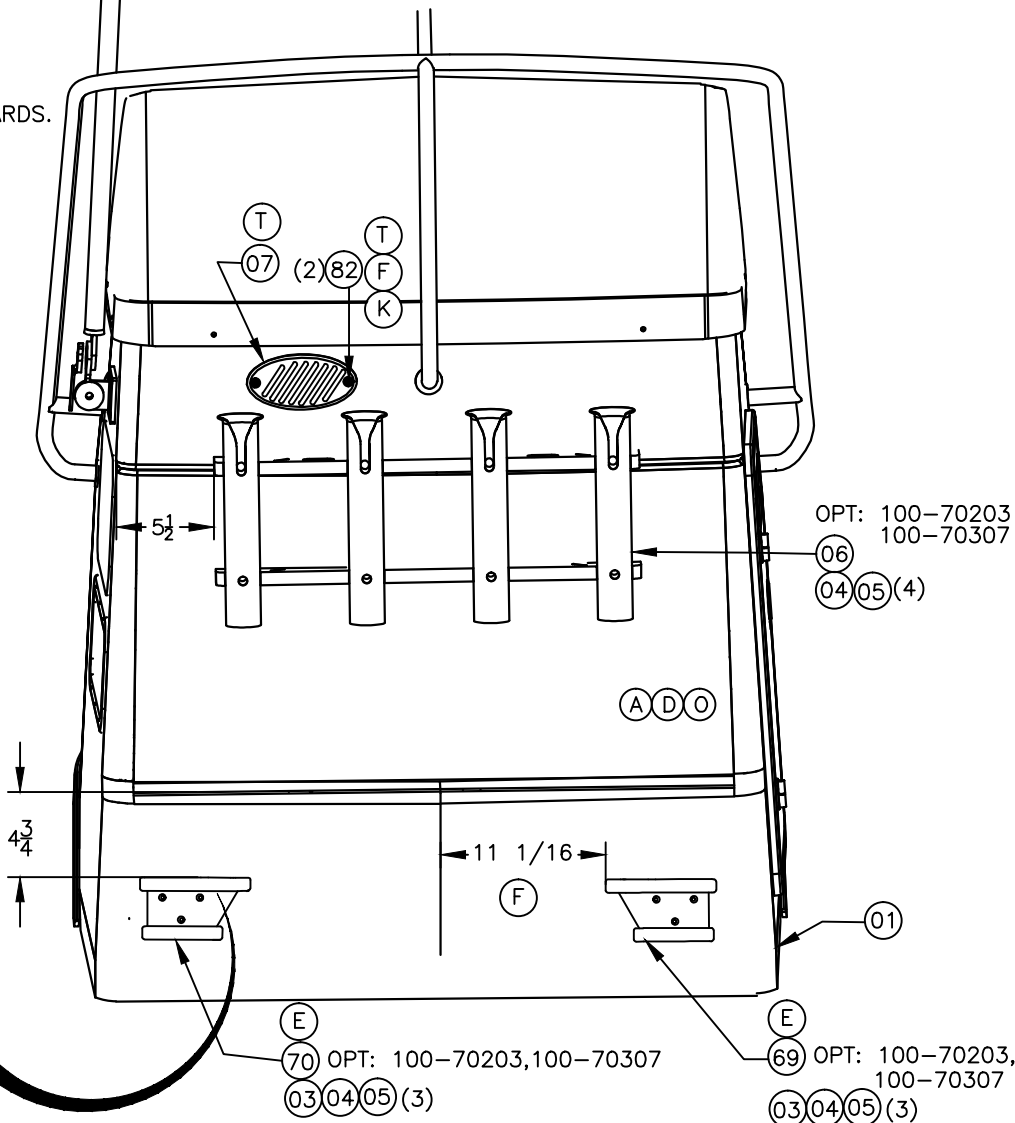
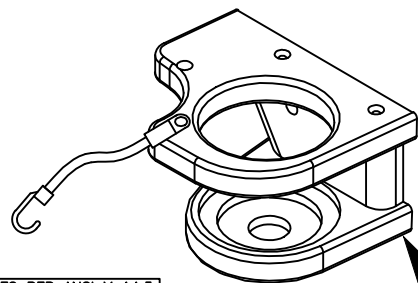
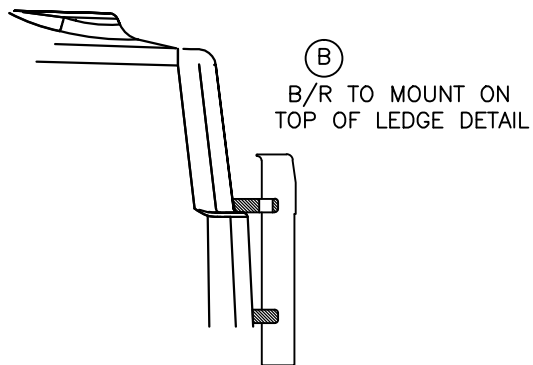
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DWG. NO: 09201  
 REV. AM  
 CURRENT ECD 12068682

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
AM	REPLACED THE CLARION HEAD UNIT WITH FUSION HEAD UNIT AND ACC.	TP	09/19/12	JK	12068682

NOTES:

1. REF. DWG. 16109 FOR CUTOUTS AND FLANGE TRIM.
2. REF. DWG. 05109 FOR LAM. DETAILS.
3. REF. DWG. 01251 FOR ALL HOSE CUT LENGTHS.
4. SEE DWG. 01-300 FOR TIE CABLES P/N & STANDARDS.



OPT: 100-70203  
100-70307

(06)  
(04) (05) (4)

(A) (D) (O)

4 3/4

11 1/16

(F)

(01)

(E)

70 OPT: 100-70203, 100-70307

(03) (04) (05) (3)

(E)

69 OPT: 100-70203, 100-70307

(03) (04) (05) (3)

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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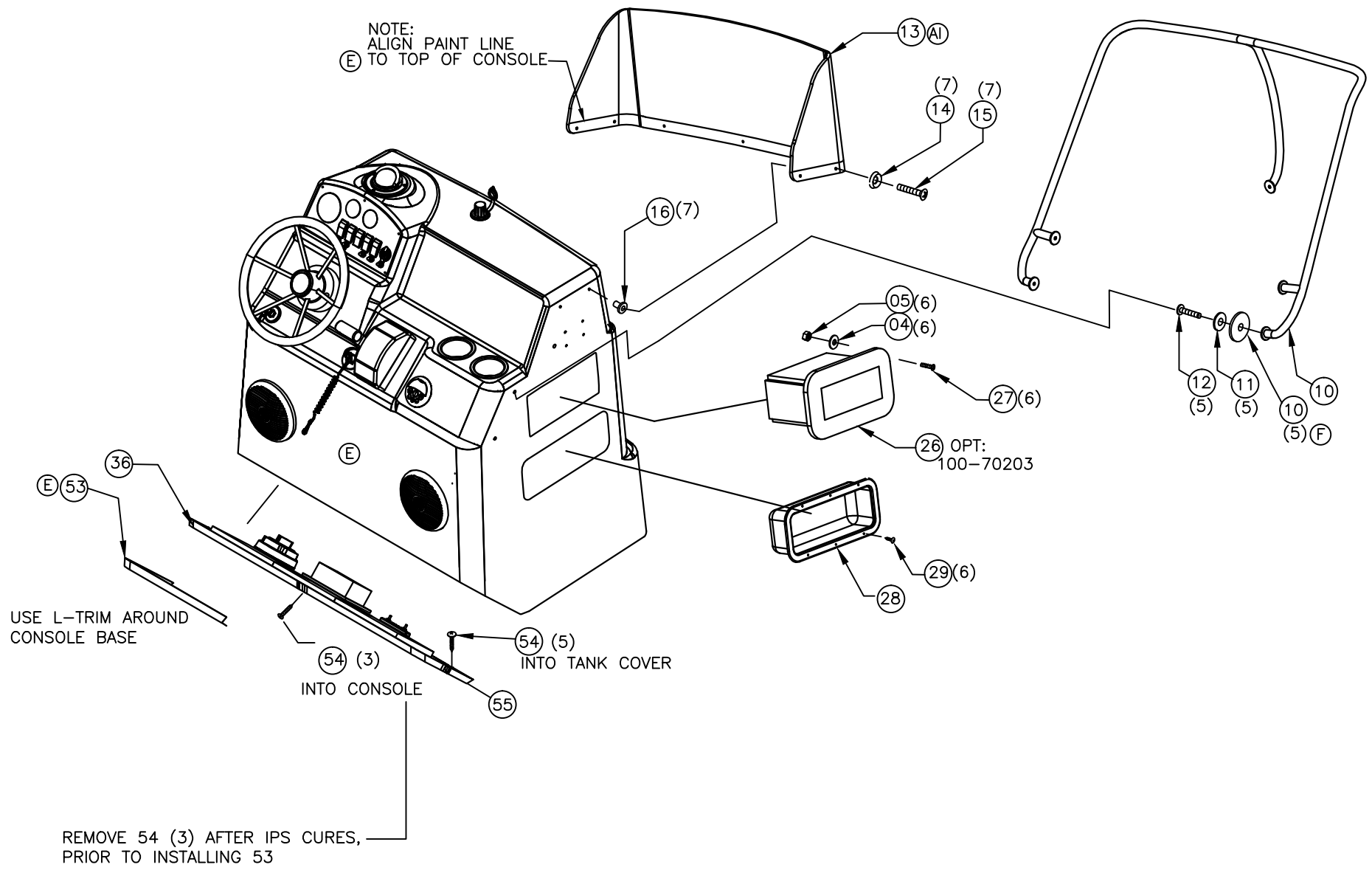
CHECKED: A DALE	DATE: 1-4-06	DRAWN: J. HALPIN	DATE: 01/04/06	SCALE: NONE	BOAT MODEL	MOLD NO.
APPD: KR	DATE: 1-4-06	DWG. TITLE:	CONSULE SUB-ASSY.		190MT	22K26800
DESIGN: VPK	DATE: 1-6-06				INIT. REL. ECN NO:	DWG. NO:
INT. ENG: MG	DATE: 1-6-06				051039	09201
					SHT. NO.	1 of 7

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DWG. NO:  
09201

REV.  
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12068682



NOTE:  
ALIGN PAINT LINE  
TO TOP OF CONSOLE  
E

USE L-TRIM AROUND  
CONSOLE BASE

54 (3)  
INTO CONSOLE

54 (5)  
INTO TANK COVER

REMOVE 54 (3) AFTER IPS CURES,  
PRIOR TO INSTALLING 53



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5  
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.X = ± .1 .XX = ± .03 X/X = ± 1/16  
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DRAWN: J. HALPIN DATE: 01/04/06 SCALE: NONE  
DWG. TITLE:  
CONSOLE SUB-ASSY.

BOAT MODEL  
190MT  
INIT. REL. ECN NO:  
051039

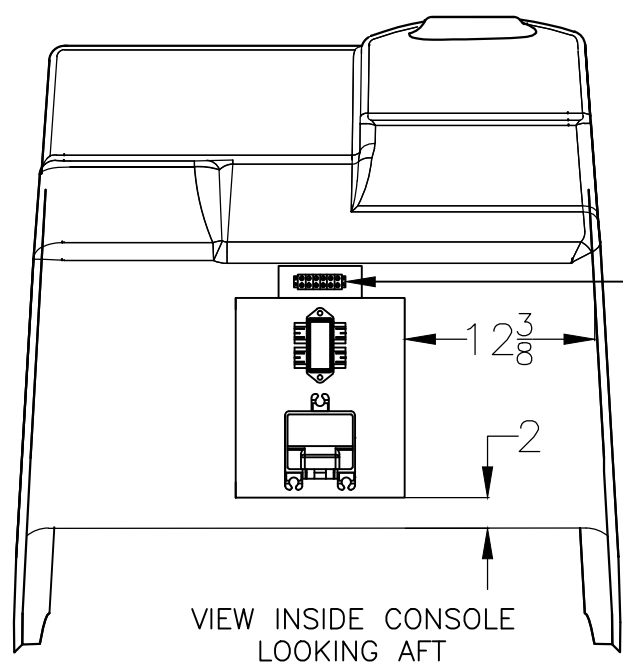
MOLD NO.  
22K26800  
DWG. NO:  
09201  
SHT. NO.  
2 OF 7

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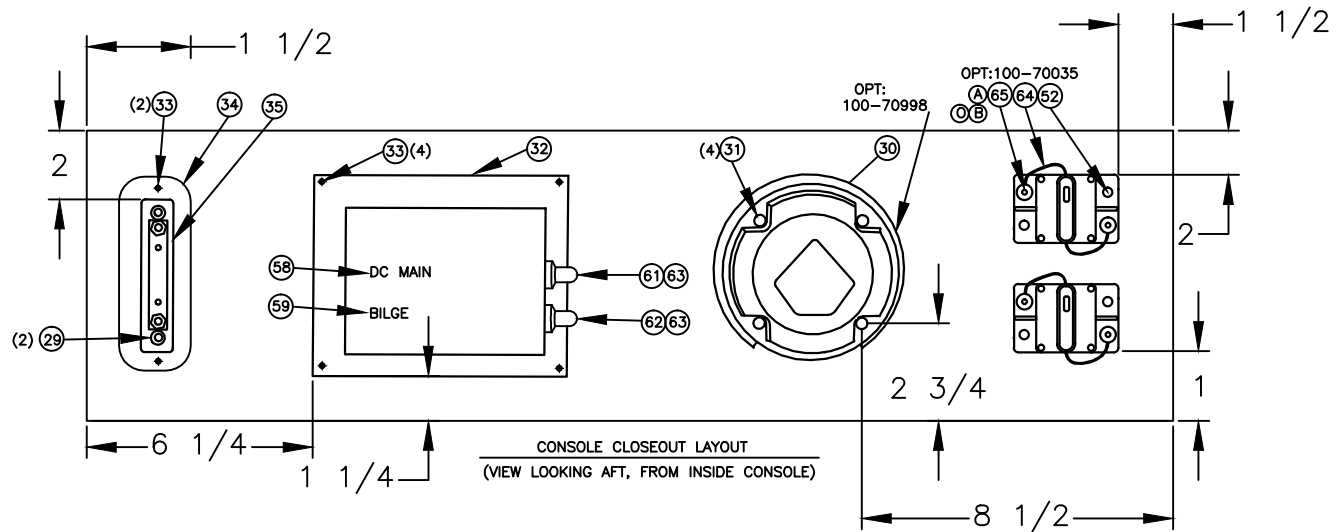
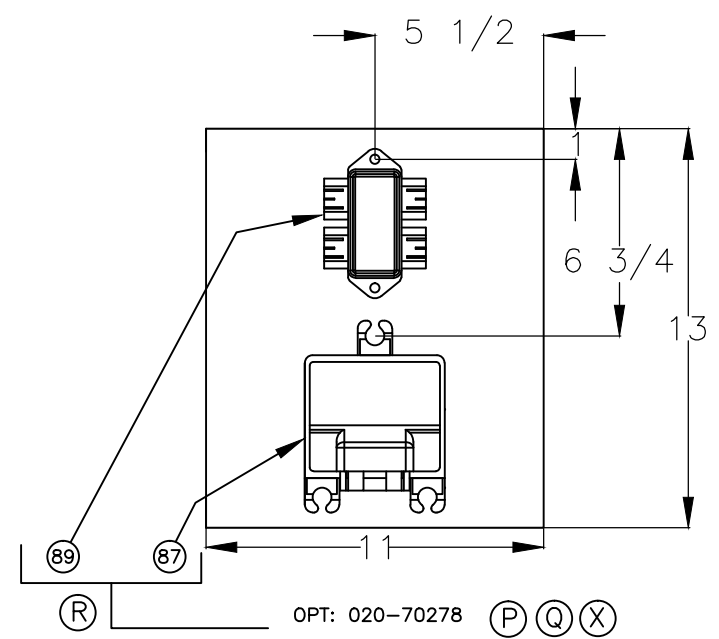
DWG. NO:  
09201

REV.  
AM

CURRENT ECD  
12068682



- (X) MOUNT TO PREFAB
- (91) OPT'S: 100-76093
- 100-02316
- (92) (4) 100-02317
- 100-76094
- 100-02318



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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                   .X = ± .1            X = ± 1/16  
                   .XX = ± .03        X = ± 1/16  
 DO NOT SCALE DRAWING

DRAWN: J. HALPIN    DATE: 01/04/06    SCALE: NONE  
 DWG. TITLE:  
 CONSOLE SUB-ASSY.

BOAT MODEL  
190MT  
INIT. REL. ECD NO:  
051039

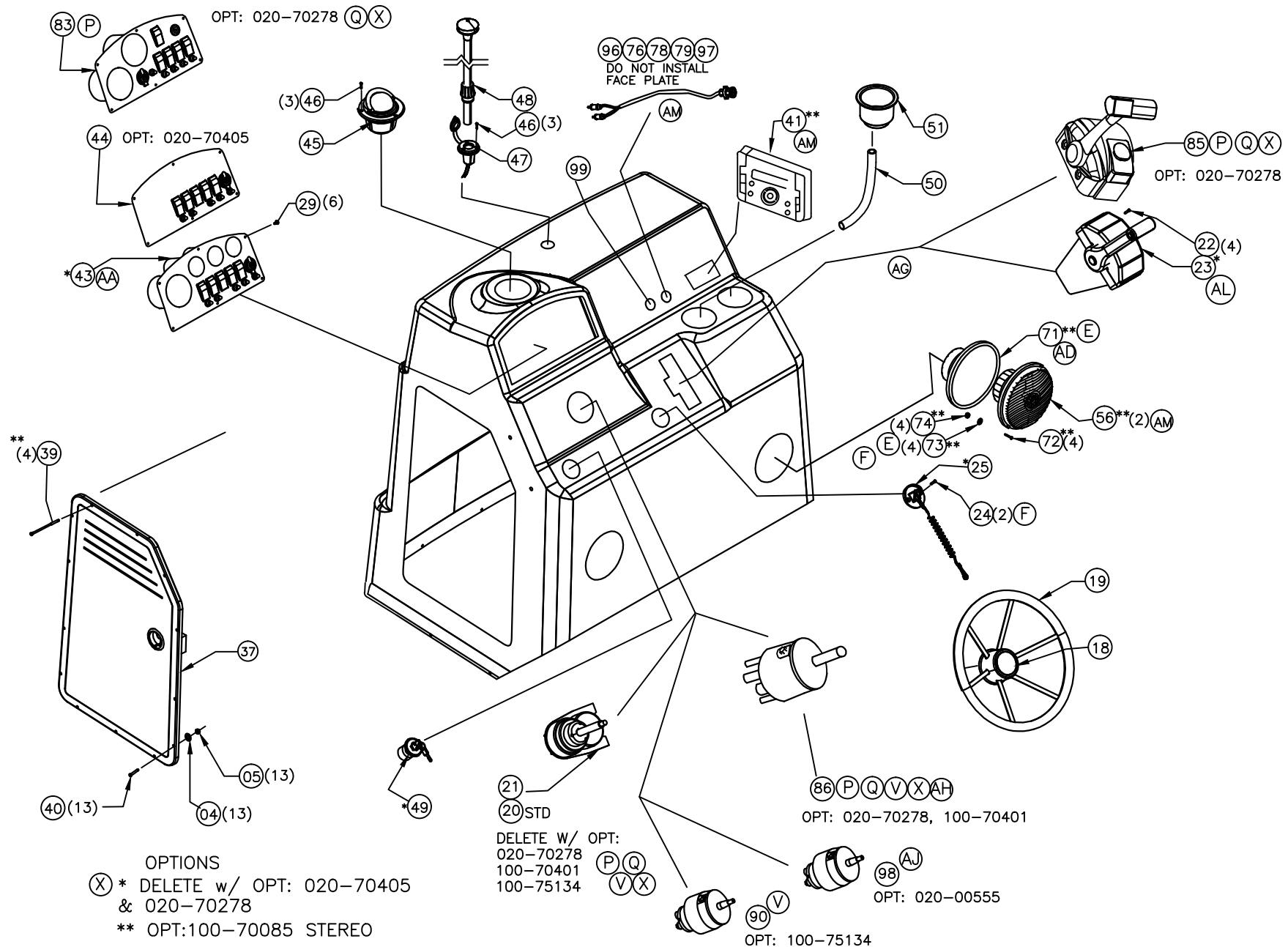
MOLD NO.  
22K26800  
DWG. NO:  
09201

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DRAWN: J. HALPIN DATE: 01/04/06 SCALE: NONE  
DWG. TITLE: CONSOLE SUB-ASSY.

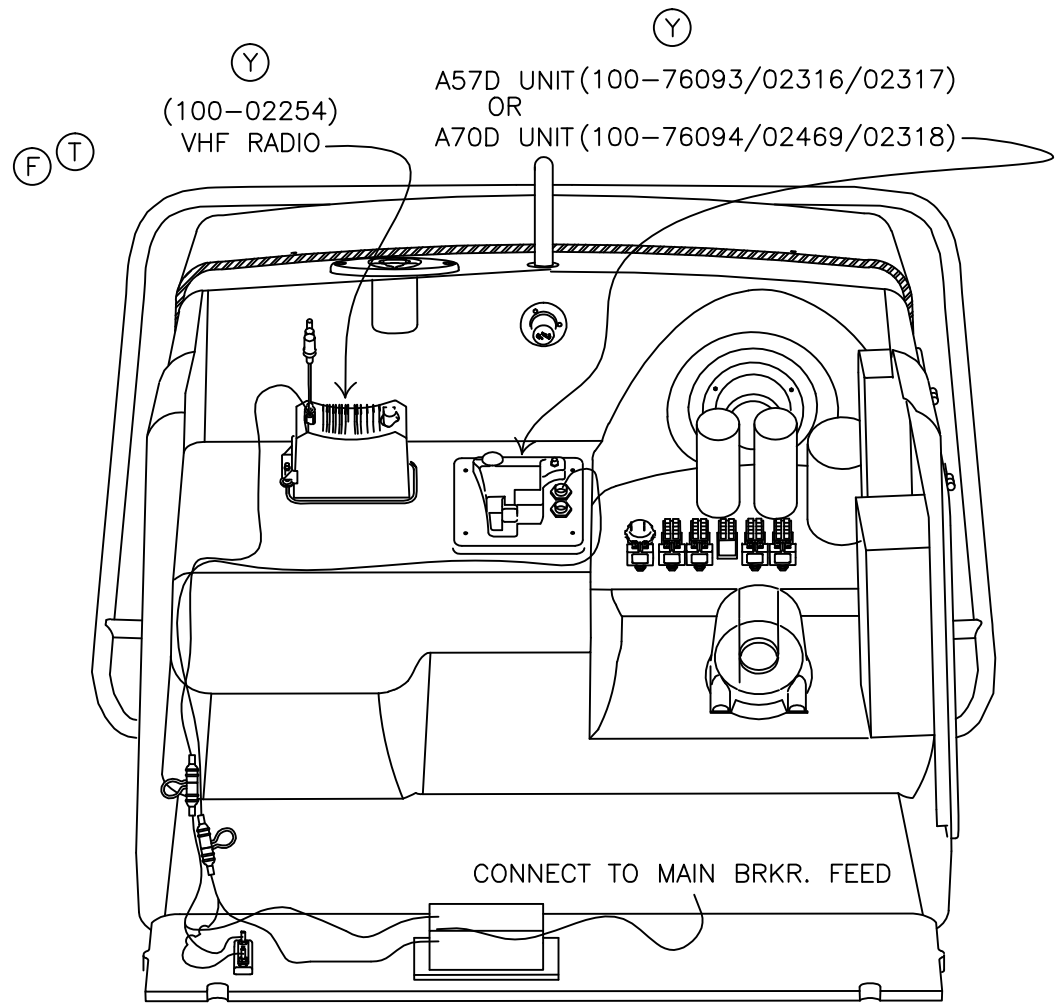
BOAT MODEL 190MT	MOLD NO. 22K26800
INIT. REL. ECD NO: 051039	DWG. NO: 09201
SHT. NO. 4 OF 7	

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DWG. NO:  
09201

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NOTE— ALL WIRES TO BE PROTECTED BY LOOM



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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DRAWN: J. HALPIN DATE: 01/04/06 SCALE: NONE  
DWG. TITLE:  
CONSOLE SUB-ASSY.

BOAT MODEL  
190MT  
INIT. REL. ECD NO:  
051039

MOLD NO.  
22K26800  
DWG. NO:  
09201

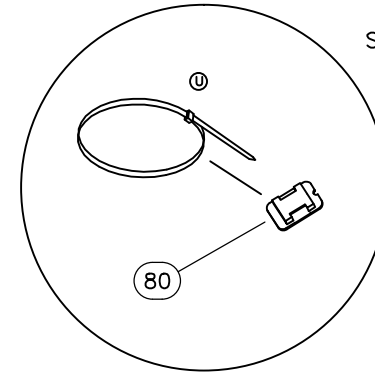
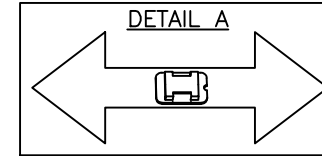
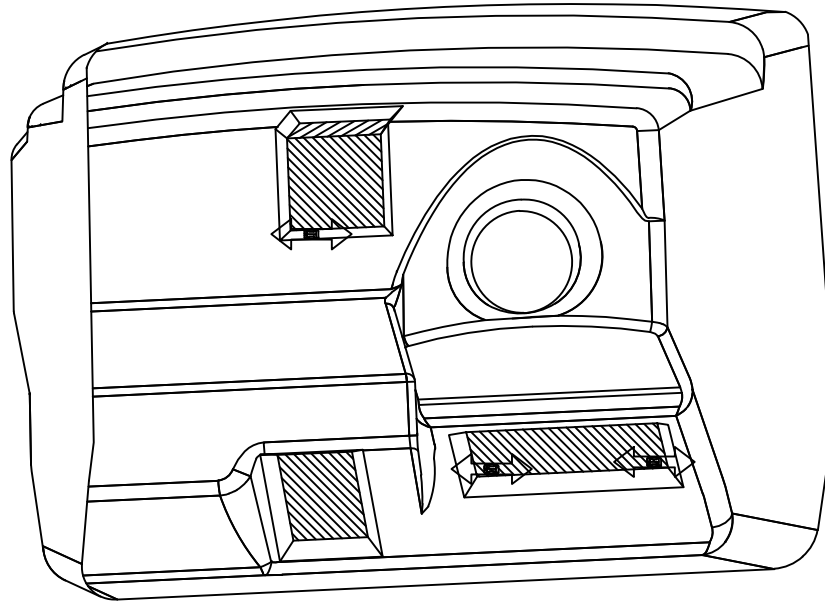
SHT. NO.  
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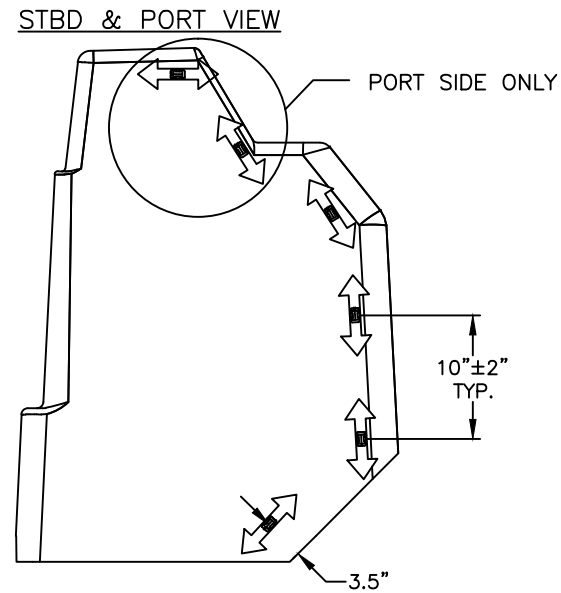
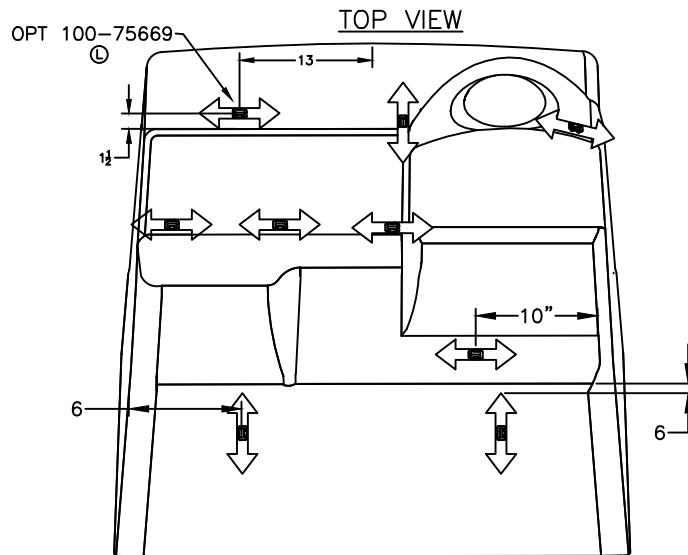
CURRENT ECD  
12068682



SEE DWG. 01-300 TIE CABLES P/N & STANDARDS.

**NOTE:**

- 5. LOCATE WIRE TIE 1/2" AWAY FROM ALL RADS
- 6. PRESS WIRE TIES INTO POSITION



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 .X = ± .1    .X = ± 1/16  
 .XX = ± .03    X

DO NOT SCALE DRAWING

DRAWN: J. HALPIN    DATE: 01/04/06    SCALE: NONE  
 DWG. TITLE:  
 CONSOLE SUB-ASSY.

BOAT MODEL  
190MT  
INIT. REL. ECN NO:  
051039

MOLD NO.  
22K26800  
DWG. NO:  
09201

SHT. NO.  
6 OF 7

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 REV. AM  
 CURRENT ECD 12068682

PARTS LIST				
ITEM	QTY	U/M	DESCRIPTION	B.W.I. NO.
1	1	EA.	HELM CONSOLE	22K26800
2	1	EA.	HOLDER, HDPE BW17MTK 04 COOLER	1750620
3	6	EA.	SCREW, MACHINE #10-24 X 1.75" PTH SC	1341973
4	33	EA.	WASHER, FLAT #10 SC	1260751
5	33	EA.	NUT, HEX NYLON LOCK #10-24 SC	1007772
6	1	EA.	ROD HOLDER, BW170MT-02 4-ROD ASSY	1690318
7	1	EA.	HORN, SGL CONCEALED W/SS GRILL/CONN	1837054
8	1	EA.	HORN, GRILL SGL SS OVERLAY SERIES 84400-1	1781252
9	5	EA.	WASHER, FENDER 5/16" X 1.5" SC	1326180
10	1	EA.	RAIL, GRAB BW190MT-06 CNSL SS	1818946
11	5	EA.	WASHER, LOCK/SPLIT 5/16" SC	1260611
12	5	EA.	SCREW, CAP #5/16-18 X 1.25" HEX HD SC	1742748
13	1	EA.	W/S, BW190MT CNSL CLEAR	2082388
14	7	EA.	WASHER, FINISH #10 SS	0896258
15	7	EA.	SCREW, MACHINE #10-32 X 1-1/4" PFH SC	1010107
16	7	EA.	NUT, WELL 10-32	1033422
17	2	EA.	STRAP, COOLER TAMER 7" CNSL MNT	1741035
18	1	EA.	EMBLEM, BW STEERING WHEEL CAP	1021054
19	1	EA.	STEERING WHEEL, 15" DIA SS 25DEG	1020197
20	1	EA.	STEERING BEZEL 90 DEG SGL	0626150
21	1	EA.	STEERING, HELM NFB SGL	0626143
22	4	EA.	SCREW, TAPPING # 10 X 1" PTH SC	1008739
23	1	EA.	CONTROL, CNSL MNT SGL N/HARNESS 4000 GEN II	2090266
24	2	EA.	SCREW, TAPPING #8A X 1" POH SC	1213065
25	1	EA.	ACC PART, MERC SW (SAFETY ASSY)	0882605
26	1	EA.	BOX, PLAS BW-12 TACKLE 2-DRWR W/LATCH WHT	2088018
27	6	EA.	SCREW, MACHINE #10-24 X 3/4" PTH SC	1008705
28	1	EA.	BOX, ABS FIRE EXT SHORT WHT	1037555
29	14	EA.	SCREW, TAPPING #8 X 5/8" PTH SC	1010925
30	1	EA.	SWITCH, BATTERY ON/OFF W/O LOCK W/O DISC	0162701
31	4	EA.	SCREW, TAPPING #10A X 1.5" PTH SC	1008747
32	1	EA.	BOX, ABS HARNESS	1037530
33	6	EA.	SCREW, TAPPING #8 X 1/2" PTH SC	1008812
34	1	EA.	COVER, ABS BW MINIBUSS BLK	1185016
35	1	EA.	BUSS BAR, MINIBUSS BAR DC	1324334
36	1	EA.	KICK PLATE, CONSOLE	22-K276-00
37	1	EA.	DOOR, HDPE BW190MT-06 CNSL	1816373
38	1	EA.	PANEL, HDPE BW190MT-06 CLOSEOUT STEREO	1816379
39	4	EA.	SCREW, MACHINE #10-24 X 4" POH SC	1812435
40	13	EA.	SCREW, MACHINE #10-24 X 1.25" POH SC	1008424
41	1	EA.	STEREO, FUSION AM/FM SIRIUS/IPOD READY	2083286
42	1	EA.	STEREO, REMOTE CNTRL W/DIG DSPLY F/CMD6 BLK	1970759
43	1	EA.	PANEL, BW190MT-09 MERC ANA W/SW	1963297
44	1	EA.	PANEL, BLANK:BW190MT-09 W/SW	1944483
45	1	EA.	COMPASS,FLSHMT 3 7/8" BLK WT HSE/GREEN LT	1791615
46	6	EA.	SCREW,TAPPING #6 X 3/4" POH SC	1008564
47	1	EA.	LIGHT, NAV STERN BASE RND CHR.	0331751
48	1	EA.	LIGHT, NAV A/R STERN 54" N/BEND	1691343

ITEM	QTY	U/M	DESCRIPTION	B.W.I. NO.
49	1	EA.	SWITCH, IGN ASSY 4-POSITION W/HOUSING	1801954
50	-	FT.	HOSE, PVC CLEAR 3/8"	0124347
51	2	EA.	DRINKHOLDR, PLAS W/DRAIN DEEP XLG SZ BLK	1727419
52	4	EA.	SCREW, TAPPING #10A X 3/4" PTH SC	1008762
53	5.2	FT.	MOLDING, VINYL "L" OFF-WHT W/ADH	1020924
54	8	EA.	SCREW, TAPPING #8 X 3/4" PFH SC	1008408
55	375	EA.	ADHESIVE, WELD-ON SS 214 2PART 470ML	1558485
56	2	EA.	SPEAKER, COAXIAL JL MX 6.5"	2093392
57	1	EA.	LABEL, BW STEREO	1075266
58	1	EA.	LABEL, BW DC MAIN BREAKER	1075282
59	1	EA.	LABEL, BILGE 1.5" X 5" POLY/VINYL	2049266
60	1	EA.	BRKR, MANUAL RESET 15A	1750593
61	1	EA.	BRKR, P/BTN-MANUAL RESET 25A W/SCREW TER	0839969
62	1	EA.	BRKR, MANUAL RESET 5A	0670497
63	2	EA.	BOOT, RESET BRKR CLR	1066547
64	2	EA.	BRKR, SURF MNT THERMAL 40AMP SWITCHABLE	1475433
65	4	EA.	BOOT, PVC TERM INSUL CAP RED	1689904
66	0	EA.	RECEPTACLE, 12 TROLLING MOTOR OPT	0803155
67	0	EA.	PLUG, 12V/24V (TROLLING MOTOR) W/12' LEADS	1835373
68	0	EA.	BOOT, PVC TERM INSUL CAP(487N9V02)RED	1803893
69	1	EA.	HOLDER, HDPE BW190MT-06 COOLER/DRINK PRT	1833426
70	1	EA.	HOLDER, HDPE BW190MT-06 COOLER/DRINK STB	1833427
71	2	EA.	COVER, ABS BW-02 SPKR 6 5/8" WHT	1717500
72	8	EA.	SCREW, MACHINE #6-32 X 1" PFH SC	1010172
73	8	EA.	WASHER, FLAT #8 SC	1326297
74	8	EA.	NUT, LOCK 6-32 SC	1009810
75	1	EA.	VIDEO EQUIPMENT, AUX INPUT MP3 W/FEMALE ENDS	1975651
76	1	EA.	CABLE, RCA AUDIO 6' W/EFX-2 CONN	1978082
77	2	EA.	ADAPTER, STEREO FEMALE/FEMALE	0956078
78	1	EA.	HEAT SHRINK, TUBING RED 3/4" X 6"	1042274
79	1	EA.	HEAT SHRINK, TUBING BLK 3/4" X 6"	0999839
80	22	EA.	MOUNT, CABLE TIE	1790728
81	22	EA.	TIE, CABLE 6" LG NYLON-BLK	0999672
82	2	EA.	SCREW, TAPPING #10A X 1" POH SC	1008507
83	1	EA.	PANEL, BW190MT-09 MERC S/CRFT W/SW	1944485
84	1	EA.	STEERING, KIT REMOTE FILL MERC	1805452
85	1	EA.	CONTROL, CNSL MNT SLIM DTS N/HARNESS '06	1802837
86	1	EA.	STEERING, HELM PUMP SEA STAR 1	0127043
87	1	EA.	ACC PART, MERC SLIM CNSL CMM KIT GEN I	1849604
88	1	EA.	PVC BOARD, 1/2" X 11" X 13" FOAMED	1805451
89	1	EA.	ACC PART, MERC S-CRFT JUNC BOX 4-WAY	1507326
90	1	EA.	STEERING, HELM BAYSTAR (RV10/07)	1935734
91	1	EA.	BUSS BAR, 6-GANG TERMINAL STRIP	0179242
92	4	EA.	SCREW, TAPPING #8A X 3/4" PPH SC	1010651
93	1	EA.	CABLE, CLARION USB INPUT 3'	1973247
94	1	EA.	CABLE, JUMPER STEREO ILLUMINATION	1974014
95	4	EA.	SCREW TAPPING #8&8 PHH SC	1010677
96	1	EA.	CABLE, USB INPUT	2093363
97	2	EA.	FEMALE/FEMALE STEREO ADAPT	1976618
98	1	EA.	STEERING, HELM PUMP SEA STAR I	0127043
99	1	EA.	VIDEO EQUIPMENT AUX INPUT MP3 W/FEMALE ENDS	1975651



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 .X = ± .1  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING

DRAWN: J. HALPIN DATE: 01/04/06 SCALE: NONE BOAT MODEL MOLD NO.  
 190MT 22K26800  
 DWG. TITLE: CONSOLE SUB-ASSY.  
 INIT. REL. ECN NO: 051039 DWG. NO: 09201 SHT. NO. 7 OF 7



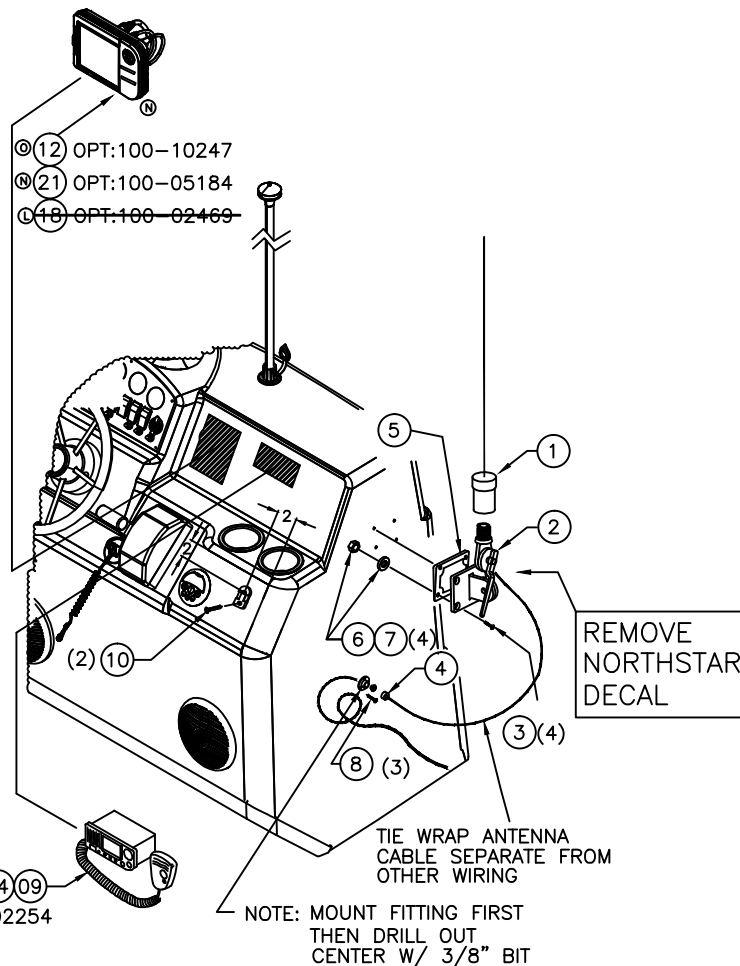
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DWG. NO: 08600  
 REV. 0  
 CURRENT ECD 12119182

- NOTES:
- 1- REFER TO 07-401 FOR WIRE DIAGRAM
  - 2- REFER TO 16-109 FOR HOLE CUTS
  - 3- APPLY SILICON SEALANT TO ALL HARDWARE AT TIME OF INSTALLATION
  - 4- WATER FITTING TO BE DRILLED OUT W/ 5/16" TO ALLOW CABLE PASSAGE
  - 5- SEE DWG. 01-300 FOR TIE CABLES & TIE BLOCKS P/N & STANDARDS.

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
L	DELETED OPT 100-02469 & ITEM #18	SBL	03/08/10	ST	10026589
M	REPLACED PT# 1831249 WITH PT# 2017951	SG	04/07/10	ST	10046725
N	REPLACE OPT 100-2318 & 76094 W/05184	JSD	10/03/11	JK	11077971
O	REPLACE RAYMARINE 5.7 PKG WITH RAYMARING 5.7 A67	CLK	12/11/12	JK	12119182

PARTS LIST												
ITEM	QTY.	QTY.	QTY.	QTY.	QTY.	QTY.	QTY.	QTY.	QTY.	U/M	DESCRIPTION	B.W.L. NO.
1	-	-	-	-	-	-	-	-	-	EA.	ANTENNA, VHF 1770 N/CBL MNT 4.2'QUIK FIT	1800574
2	-	-	-	-	-	-	-	-	-	EA.	MOUNT, RATCHET VHF 1850 NYLON QUICK-FIT	1800575
3	-	-	-	-	-	-	-	-	-	EA.	SCREW, MACHINE #1/4-20 X 1.25" PFH	1213289
4	-	-	-	-	-	-	-	-	-	EA.	FITTING, WATER TIGHT OUTLET FOR 5/16" CABLE	0122853
5	-	-	-	-	-	-	-	-	-	EA.	SHIM, HDPE NAVMAN ANTENNA 5/8" BASE 5DEG WHT	2017951
6	-	-	-	-	-	-	-	-	-	EA.	WASHER, FLAT #1/4" SC	1260769
7	-	-	-	-	-	-	-	-	-	EA.	NUT, LOCK #1/4-20 SC STD PATT	1009786
8	-	-	-	-	-	-	-	-	-	EA.	SCREW, TAPPING #4A X 5/8" POH SC	1007822
9	-	-	-	-	-	-	-	-	-	EA.	FLUSH MOUNT KIT, RAY 55/218 VHF RADIO REAR MT	1912106
10	-	-	-	-	-	-	-	-	-	EA.	SCREW, TAPPING #6A X 1" PFH SC	1010354
11	1	1	1	1	1	1	1	1	1	EA.	FLUSH MOUNT KIT, RAY A SERIES DISPLAY	1971579
12	1	1	1	1	1	1	1	1	1	EA.	CHART PLOTTER, A57D 5.7" FF-(US) COASTAL	2109554
13	-	-	-	-	-	-	-	-	-	EA.	RADIO, VHF RAYTHEON RAY 49 GRY	1968021
14	-	-	-	-	-	-	-	-	-	EA.	RADIO, RAY 240 EURO VHF SYS	1939412
15	3	3	3	3	3	3	3	3	3	EA.	SCREW, TAPPING #10A X 1.5" PTH SC	1008747
16	-	-	-	-	-	-	-	-	-	EA.	CHART PLOTTER, E7D FF-(EU)	2069389
17	1	1	1	1	1	1	1	1	1	EA.	VENT, CLAMSHELL ROPE LCKR 2"X2"	0533430
18	-	-	-	-	-	-	-	-	-	EA.	CHART PLOTTER, A70D 6.4" FF (US) INLAND	1974279
19	-	-	-	-	-	-	-	-	-	EA.	CHART PLOTTER, A57D 5.7" FF (US) INLAND	1971965
20	-	-	-	-	-	-	-	-	-	EA.	CHART PLOTTER, A57D 5.7" FF-(EU)	1971544
21	-	-	-	-	-	-	-	-	-	EA.	CHART PLOTTER, 7" E7D W/SOUNDER N/CHART	2069389
22	1	1	1	1	1	1	1	1	1	EA.	HARNESS, A-SERIES POWER/NMEA EXTENSION	1975801
23	4	4	4	4	4	4	4	4	4	EA.	CONN, RING 22/180A X 8R W/INSUL	0192336
24	3	3	3	3	3	3	3	3	3	EA.	SCREW, TAPPING #8A X 5/8" PTH SC	1010925
25	1	1	1	1	1	1	1	1	1	EA.	FUSE, BLADE TYPE CLOSED 10A	0731000
26	0	1	0	0	0	0	1	0	-	EA.	TRANSDUCER	2079027



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1 X = ± 1/16  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING

 PRODUCT DEV. & MFG. ENGINEERING GROUP	CHECKED: A.DALE	DATE: 2-1-06	DRAWN: S.HIESTER	DATE: 2-01-06	SCALE: NONE	BOAT MODEL	MOLD NO.
	APPD: K.RANIERI	DATE: 2-2-06	DWG. TITLE: ELECTRONICS INSTALLATION			190MT	
	DESIGN: V.KNIGHT	DATE: 2-2-06				INIT. REL. ECN NO:	DWG. NO:
	INT. ENG: M.GATICA	DATE: 2-2-06				051039	08600

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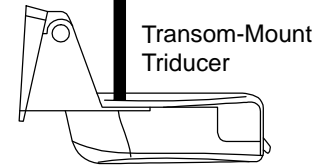
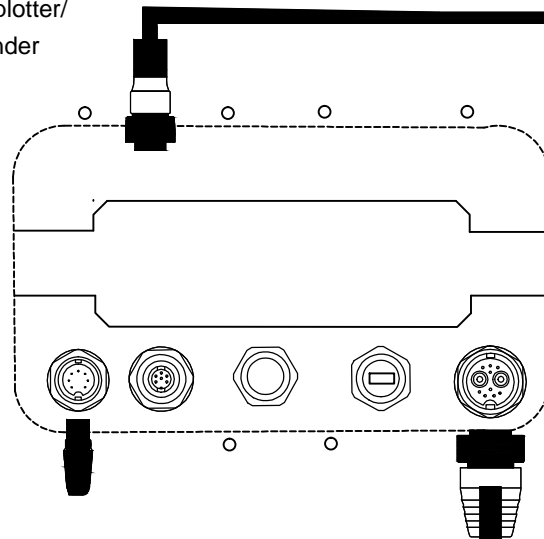
DWG. NO:  
08600

REV.  
0

CURRENT ECD  
12119182

OPT'S: 100-10247 OR 100-05184 WITH 100-02254

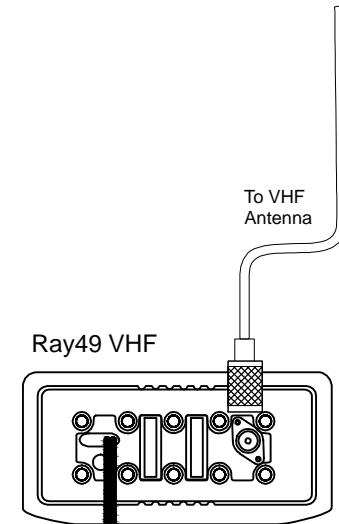
Chartplotter/  
Fishfinder



Transom-Mount  
Triducer

To VHF  
Antenna

Ray49 VHF

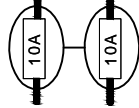


22

25

REMOVE VENDOR SUPPLIED FUSE

12VDC- 12VDC+

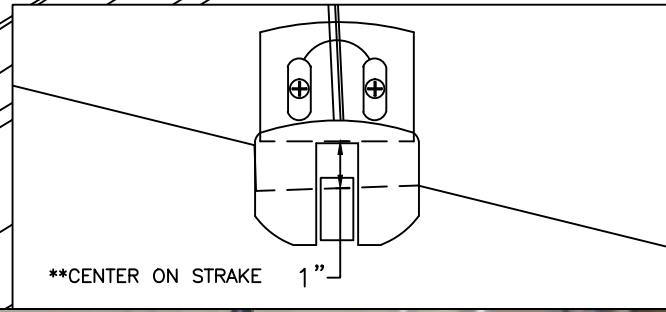
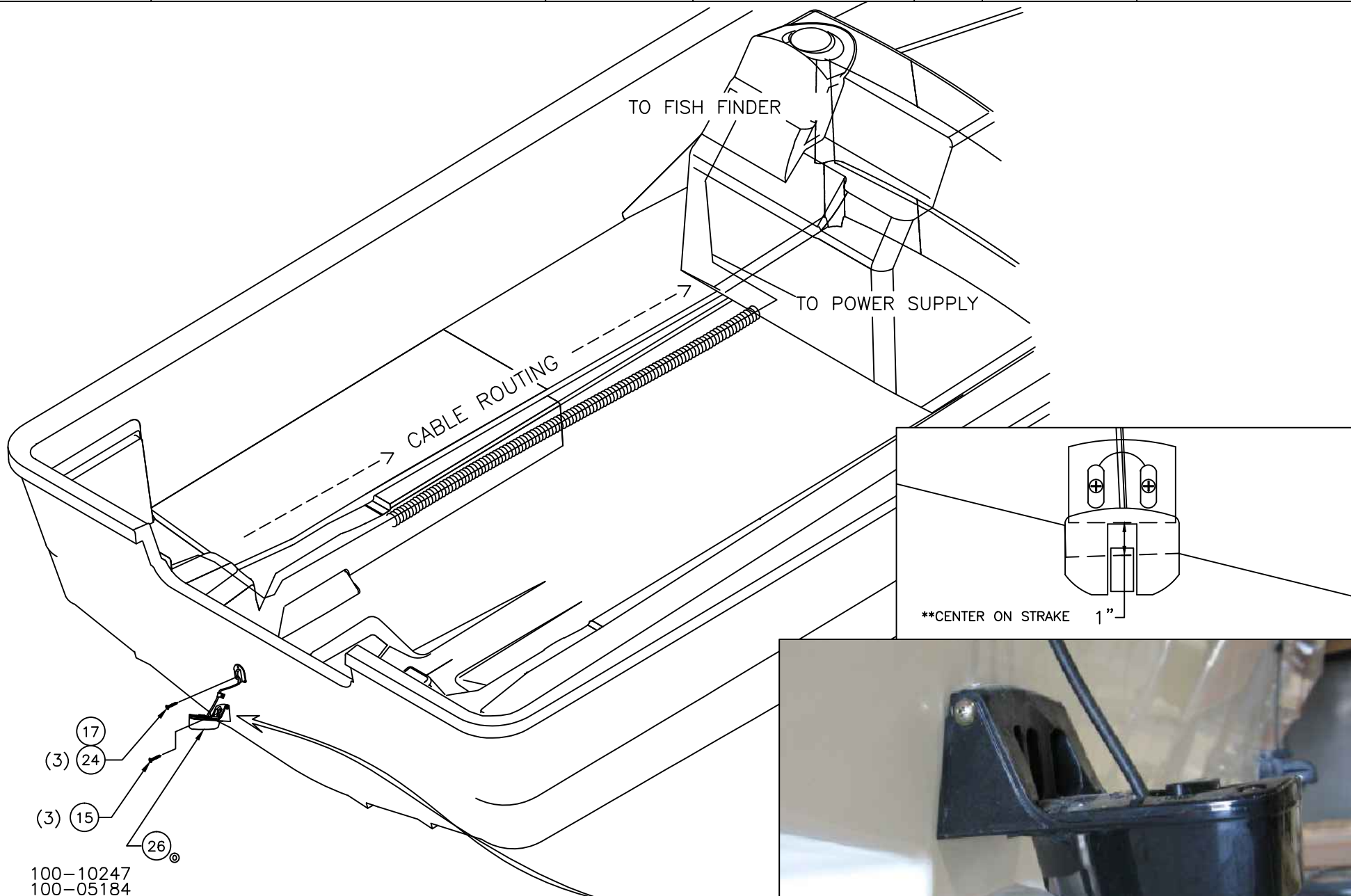


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DWG. NO:  
08600

REV.  
0

CURRENT ECD  
12119182



\*\*USE JIG TO LOCATE 1/8" DOWN (OUTBOARD EDGE)\*\*



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
.X = ± .1 .XX = ± .03 X/X = ± 1/16  
DO NOT SCALE DRAWING

DRAWN: S HIESTER DATE: 2-01-06 SCALE:  
DWG. TITLE:  
ELECTRONICS INSTALLATION

BOAT MODEL 190MT	MOLD NO.	SHT. NO.
INIT. REL. ECN NO: 051039	DWG. NO: 08600	3 OF 3

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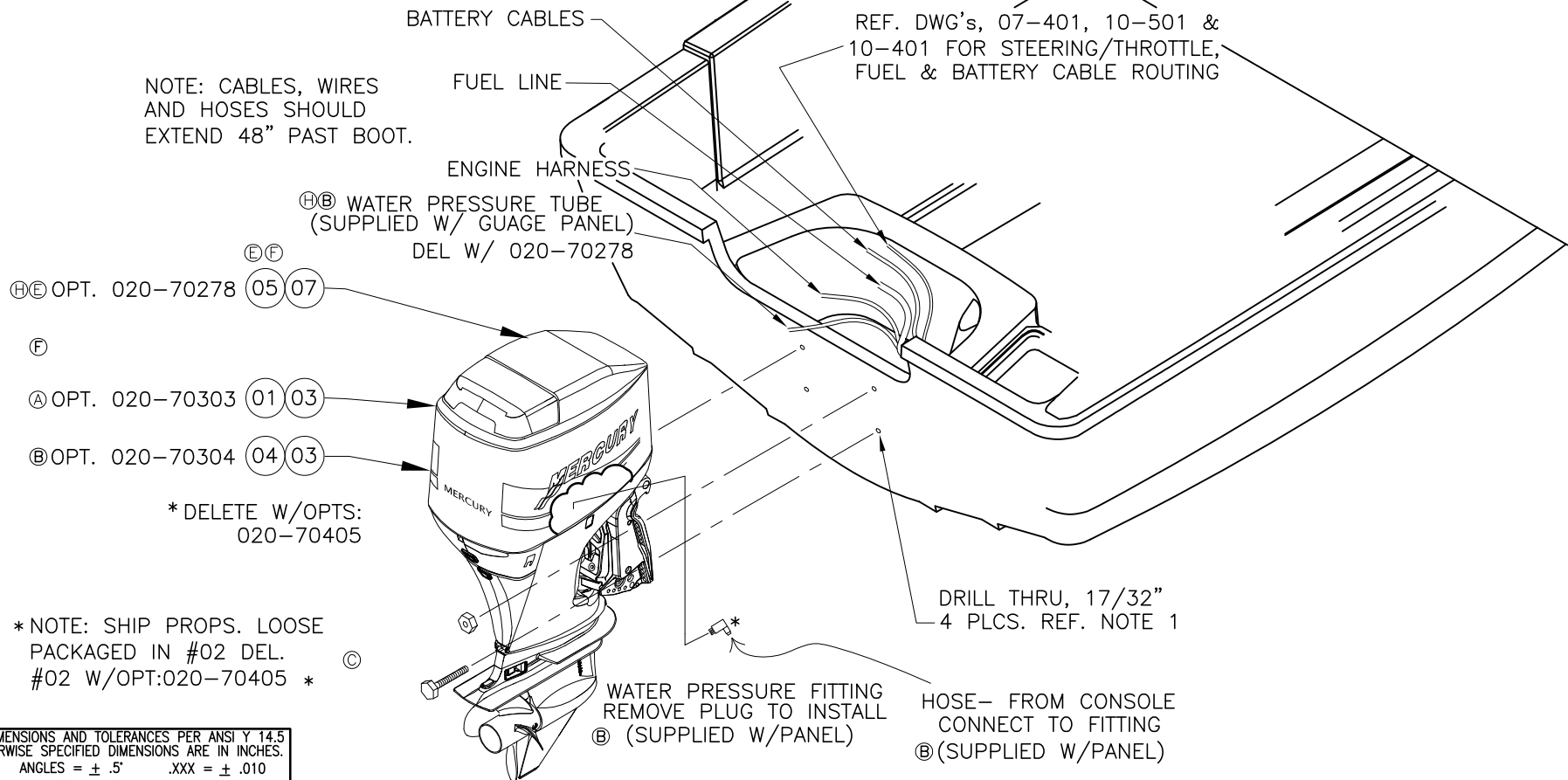
DWG. NO:  
10201

REV.  
1

CURRENT ECD  
09045948

1. USE MERCURY INSTRUCTIONS & RIGGING TEMPLATE FOR HOLE LAYOUT AND INSTALLATION.
2. HARDWARE INCLUDED w/ENGINE.
3. MARK CENTERLINE OF TRANSOM FOR ALIGNING RIGGING TEMPLATE.
4. HOLES TO BE DRILLED PERPENDICULAR TO TRANSOM.
5. ALL THRU-TRANSOM FASTENERS TO HAVE SEALANT APPLIED TO BOLT SHANKS & TORQUE TO 55 +/- 5 lb. ft.
6. LOWER FASTENERS, P/S HAVE BOLT HEAD ON "ENGINE SIDE". UPPER FASTENERS, P/S HAVE BOLT HEAD ON "MOTORWELL" SIDE.

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
H	MYE-"10", DELETED OPT: 020-70277 (135 XL), ADDED OPT: 020-70278 (150XL)	SLJ	06/22/09	RA	09045906
I	MYE-"10", #1 WAS 1817148, #3 WAS 1835940, #4 WAS 1833120	BH	8/27/09	RW	09045948



NOTE: CABLES, WIRES AND HOSES SHOULD EXTEND 48" PAST BOOT.

H/E OPT. 020-70278 (05) (07)

F

A OPT. 020-70303 (01) (03)

B OPT. 020-70304 (04) (03)

\* DELETE W/OPTS:  
020-70405

\* NOTE: SHIP PROPS. LOOSE  
PACKAGED IN #02 DEL.  
#02 W/OPT:020-70405 \*

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5  
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
TOLERANCES: ANGLES = ± .5' .XXX = ± .010  
.X = ± .1 .XX = ± .03  
X = ± 1/16  
DO NOT SCALE DRAWING

**BOSTON WHALER**  
PRODUCT DEV. & MFG. ENGINEERING GROUP

CHECKED: RA	DATE: 1-10-06	DRAWN: J. HALPIN	DATE: 01/10/06	SCALE: NONE	BOAT MODEL 190MT	MOLD NO.
APPD: KR	DATE: 1-10-06	DWG. TITLE: ENGINE INSTALLATION			INIT. REL. ECN NO: 051039	DWG. NO: 10201
DESIGN: VPK	DATE: 1-10-06					SHT. NO. 1 of 2
INT. ENG: MG	DATE: 1-10-06					

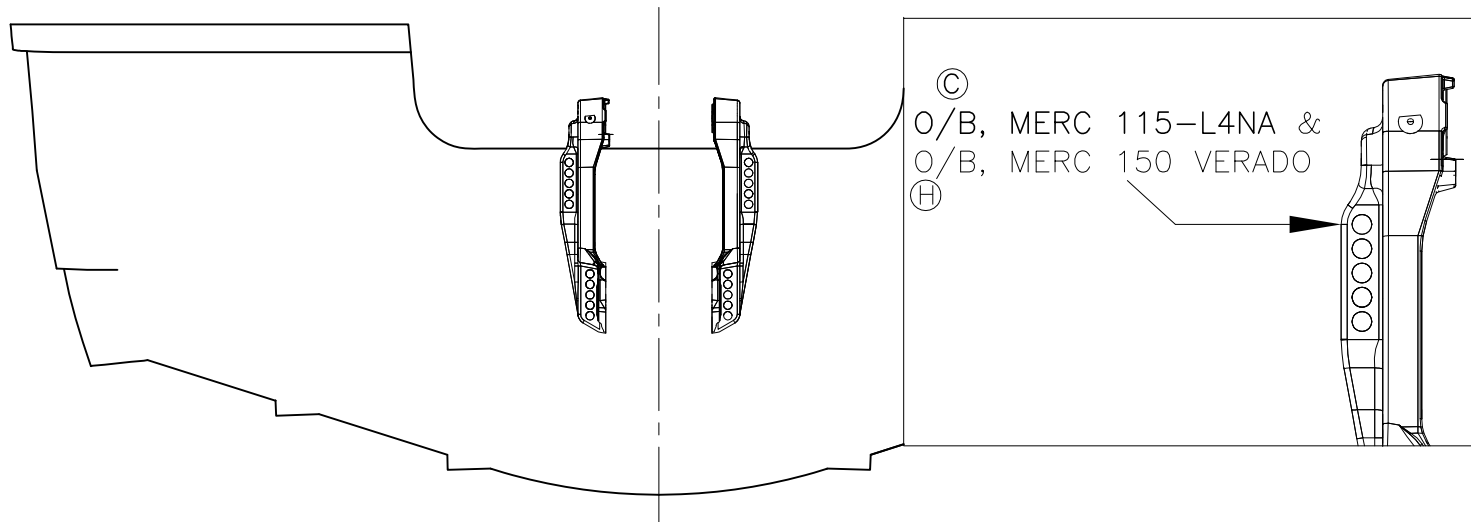
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DWG. NO:  
10201

REV.  
1

CURRENT ECD  
09045948

PARTS LIST						
	ITEM	QTY	U/M	DESCRIPTION	B.W.I.	NO.
ⓐ	1	1	EA.	O/B, MERC 115 EXLPT 4-S L4NA ED	1971788	
	2	1	EA.	POLY, 33" x 40" 33 GAL HVY CLR (NOT SHOWN)	1143163	
ⓒ	3	1	EA.	PROP, 13 1/8" X 16" VENGEANCE	1357821	
ⓑ	4	1	EA.	O/B, MERC 115 EXLPT 4-S L4NA EU EF	1971787	
ⓗ	5	1	EA.	O/B, MERC 150XL VERADO ED	1900363	
Ⓕ	6	1	EA.	O/B, MERC 135XL VERADO EU GEN 1	1847708	
ⓓ	7	1	EA.	PROP, SS 14 1/4" X 18" RH ENERTIA	1874915	



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DWG. NO:  
11201

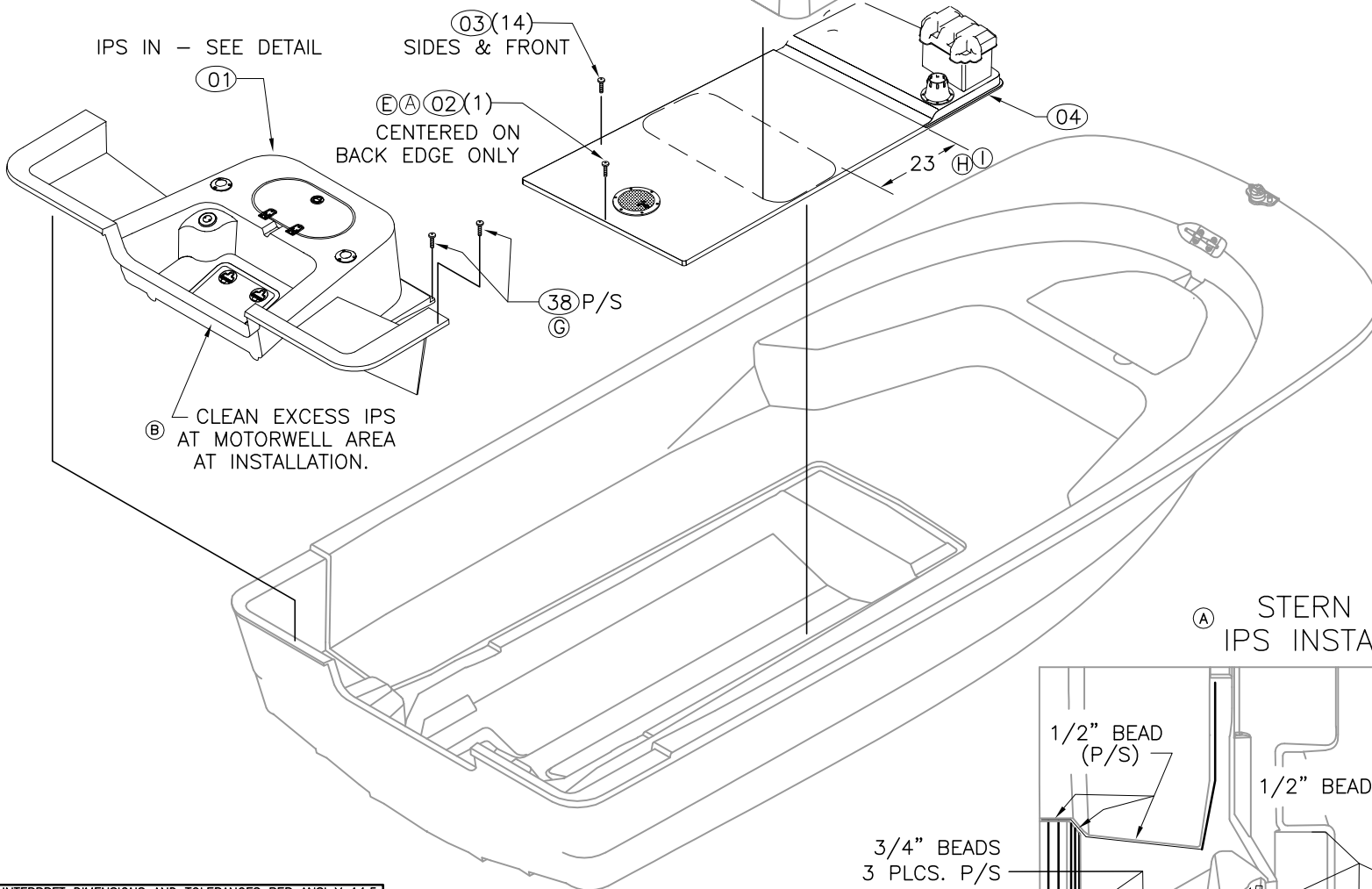
REV.  
V

CURRENT ECD  
11098013

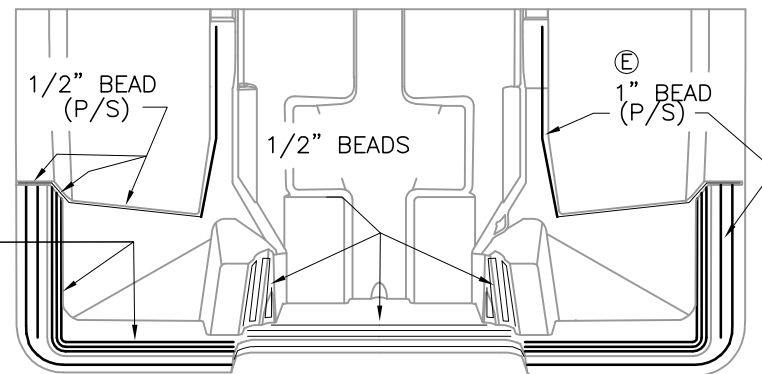
NOTES:

- 1- ALL FASTENERS SHALL BE EMBEDDED IN SEALANT
- 2- CLEAN ALL SURFACES PRIOR TO APPLICATION OF IPS
- 3- REFER TO DWG. 09201 FOR COOLER CLEAT LOCATION
- 4- REFER TO MFR. INSTALLATION DIAGRAM FOR LOCATION, HWDR., & INFORMATION

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
R	CHANGED PT#1816397,1816398,1771132,1771133 TO 1951611,1955194,1838240,1838242	TJ	9/15/08	AF	08085451
S	CHANGED PT#1878180, 1878179 TO 1963776, 1963775	TJ	2/2/09	AF	08125676
T	REPLACED 1951611, 1951794 WITH 1980290, 1980420	SG	2/3/10	ST	10016458
U	ADDED OPT. 100-75040 & ITEM #'S 43-44, 24 EA. OF #21 (OPT), SHEETS 3 & 4	SBL	06/07/10	ST	10066928
V	MOVED 16 FROM BOM TO CANVAS HARDWARE	JSD	10/3/11	JK	11098013



(A) STERN DECK IPS INSTALLATION



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING



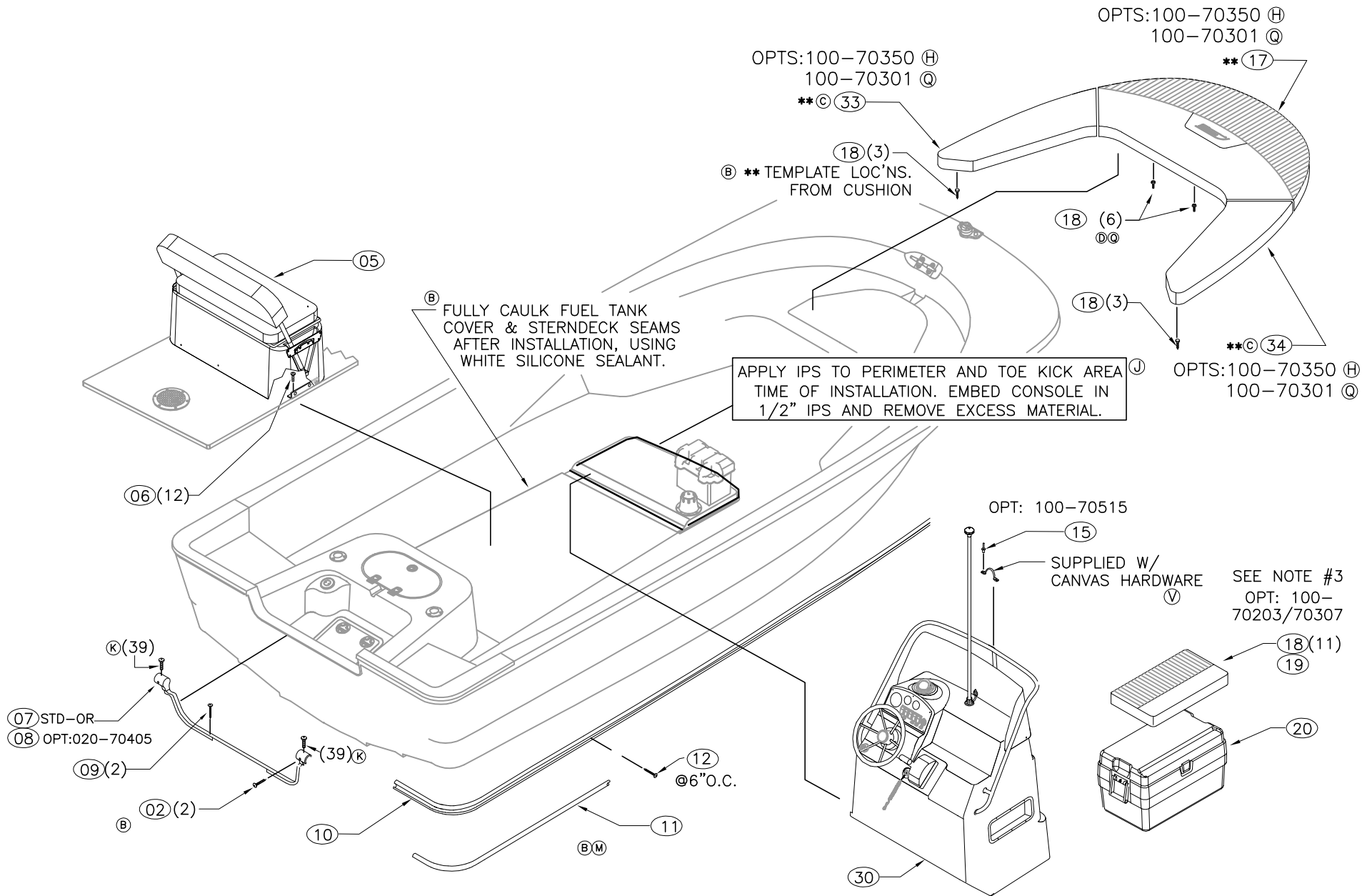
CHECKED: RA	DATE: 1-13-06	DRAWN: S HIESTER	DATE: 01/06/06	SCALE:	BOAT MODEL: 190MT	MOLD NO.:
APPD: K. R.	DATE: 1-13-06	DWG. TITLE: FINAL ASSY			INIT. REL. ECN NO: 051039	DWG. NO: 11201
DESIGN: V.P.K.	DATE: 1-13-06					SHT. NO. 1 OF 4
INT. ENG: M.G.	DATE: 1-13-06					

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DWG. NO:  
11201

REV.  
V

CURRENT ECD  
11098013

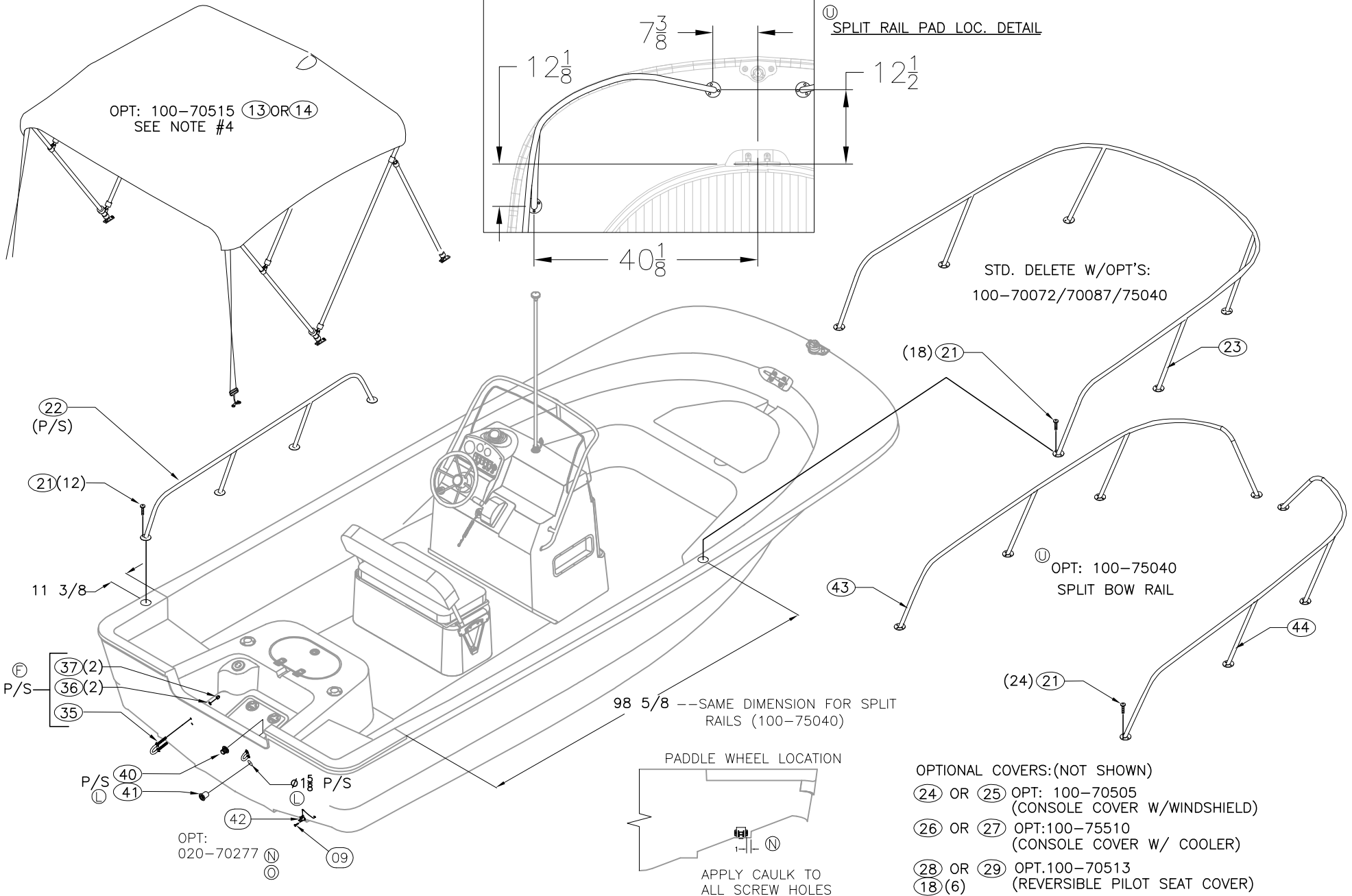


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DWG. NO:  
11201

REV.  
V

CURRENT ECD  
11098013



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
.X = ± .1 X = ± 1/16  
.XX = ± .03

DO NOT SCALE DRAWING

DRAWN: S HIESTER

DATE: 01/06/06

SCALE:

BOAT MODEL

MOLD NO.

DWG. TITLE:

FINAL ASSY

190MT

INIT. REL. ECN NO:

DWG. NO:

SHT. NO.

051039

11201

3 OF 4

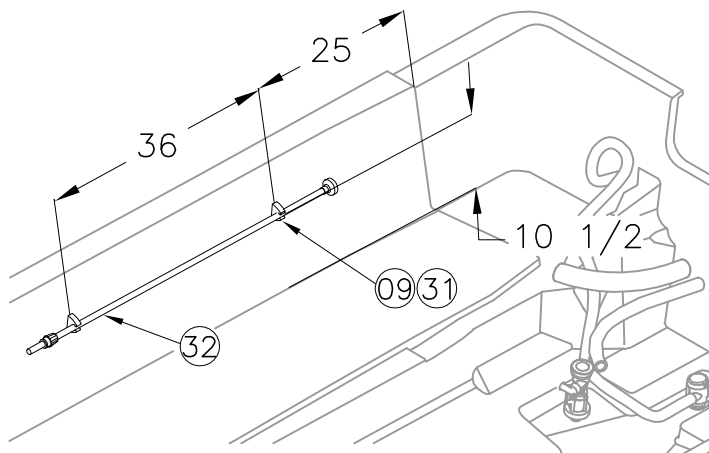


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DWG. NO:  
11201

REV.  
V

CURRENT ECD  
11098013



ITEM	QNT		U/M	PARTS LIST		B.W.I. NO
	STD	OPT		DESCRIPTION		
1	1	-	EA.		STERN DECK SUB-ASSY	09-101
(A) 2	3	-	EA.		SCREW, TAPPING #10A X 1.5" PTH SC	1008747
3	14	-	EA.		SCREW, TAPPING #10A X 2" PTH SC	1008754
4	1	-	EA.		FUEL TANK COVER SUB-ASSY	09-301
5	1	-	EA.		REVERSIBLE PILOT SEAT SUB-ASSY	09-251
6	12	-	EA.		SCREW, MACHINE #1/4-20 X 1.5" PPH SC	1008598
7	1	-	EA.		CAP, RUBRAIL BW190MT-06 TRNSM TRIM W/NOTCH	1816448
8	-	1	EA.		CAP, RUBRAIL BW190MT-06 TRNSM TRIM	1816449
9	4	-	EA.		SCREW, TAPPING #10A X 1" PTH SC	1008739
10	1	-	EA.		INSERT, RUB RAIL CHAR FLEX 54'	1020841
11	1	-	EA.		RUBRAIL, PLASTIC CHAR 54'	1312487
12	60	-	EA.		SCREW, TAP #10A X 1.5" W/STP EPXY ORNG PFH SC	1814515
(SP) 13	-	1	EA.		CANVAS, BW18DNT/190MT-09 BIM TOP W/MNT BLK	1963776
(SP) 14	-	1	EA.		CANVAS, BW18DNT/190MT-09 BIM TOP W/MNT BLUE	1963775
15	-	2	EA.		RIVET, POP/BLIND #3/16 X 3/8" SS	0192120
(V) 16	-	1	EA.		EYE, STRAP EYE TIE-DOWN 5/16" CHR/ZINC	0861120
(Q) 17	-	1	EA.		CUSH, BW190MT-09 BOW	1950808
(QD) 18	-	29	EA.		SNAP STUD, W/#8 X 3/8" PH BR/NI/SS	0203786
19	-	1	EA.		CUSH, BW190MT-06 COOLER SEAT 72QT	1819928
20	-	1	EA.		COOLER, 72QT WHT	1016427
(U) 21	42	24	EA.		SCREW, MACHINE #1/4-20 X 1" PPH SC	1008580
22	2	-	EA.		RAIL, SIDE BW170MT-02 AFT	1689429
23	1	-	EA.		RAIL, BOW BW190MT-06 SS	1816363
(R) 24	-	1	EA.		CANVAS, 190MT-09 CNSL CVR BLK	1951611
(R) 25	-	1	EA.		CANVAS, 190MT CNSL CVR BLUE	1951794
26	-	1	EA.		CANVAS, BW190MT-06 CNSL CVR W/COOLER BLK	1816399
27	-	1	EA.		CANVAS, BW190MT-06 CNSL CVR W/COOLER BLUE	1816400
(TR) 28	-	1	EA.		CANVAS, 190MT CNSL CVR BLK	1980290
(TR) 29	-	1	EA.		CANVAS, 190MT CNSL CVR BLUE	1980420
30	1	-	EA.		CONSOLE SUB-ASSY	09-201
31	1	-	PR.		CLIP, POLE STRG BLK - MAST LIGHT	0590646
32	1	-	EA.		LIGHT, NAV A/R STERN 52" N/BEND	0574400
(C) 33	-	1	EA.		CUSH, BW190MT-06 BOW PRT	1833208
(C) 34	-	1	EA.		CUSH, BW190MT-06 BOW STB	1833209
(F) 35	2	-	EA.		EYE, BOW 1/2" X 3 3/4" SS	1835882
(F) 36	4	-	EA.		WASHER, LOCK/SPLIT 1/2" SC	1326214
(F) 37	4	-	EA.		NUT, ACORN #1/2-13 SC	1662402
(G) 38	4	-	EA.		SCREW, TAPPING #10A X 1.5" PFH SC	1010248
(K) 39	2	-	EA.		SCREW, TAPPING #8 X 1/2" PTH	1008812
(L) 40	2	-	EA.		THRU-HULL, MARELON BW-06 LONG MALE	1806030
(L) 41	2	-	EA.		THRU-HULL, MARELON BW-06 SHORT FEMALE	1806032
(N) 42	-	1	EA.		ACC PART, MERC SPEEDOMETER/TEMP DIG	1477942
(U) 43	-	1	EA.		RAIL, SIDE 190MT-11 SPLIT PRT	2024448
(U) 44	-	1	EA.		RAIL, SIDE 190MT-11 SPLIT STB	2024449



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 .X = ± .1 X = ± 1/16  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING

DRAWN: S HIESTER

DATE: 01/06/06

SCALE:

BOAT MODEL

MOLD NO.

190MT

U

DWG. TITLE:

FINAL ASSY

INIT. REL. ECN NO:

051039

DWG. NO:

11201

SHT. NO.

4 OF 4

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DWG. NO:  
10501

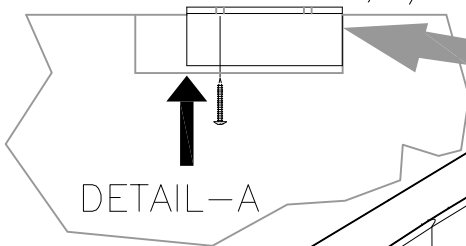
REV.  
H

CURRENT ECD  
09126422

1. REFER TO DWG.16131 & 16501 FOR HOLE CUTOUTS, 01-251 FOR HOSE CUT LENGTHS, & 07401 FOR WIRING DIAGRAMS.
2. FUEL LINES SHALL BE DOUBLED CLAMPED w/CLAMPS POSITIONED AT 180° TO EACH OTHER AS SHOWN.
3. HOSE & LINE ROUTINGS TO COMPLY w/NMMA, USCG, & ABYC STDS. AND REC'S.
4. THE COMPLETED FUEL SYSTEM SHALL BE PRESSURE TESTED IN ACCORDANCE w/ABYC H-24-17; PSI TEST @ 3PSI FOR 6 MINUTES.
5. APPLY PIPE DOPE ON ALL METAL THREADS.
6. REFER TO 09101 FOR STERN DECK SUB ASSY.
7. SEE DWG. 01-300 FOR TIE CABLES & TIE BLOCKS P/N & STANDARDS.

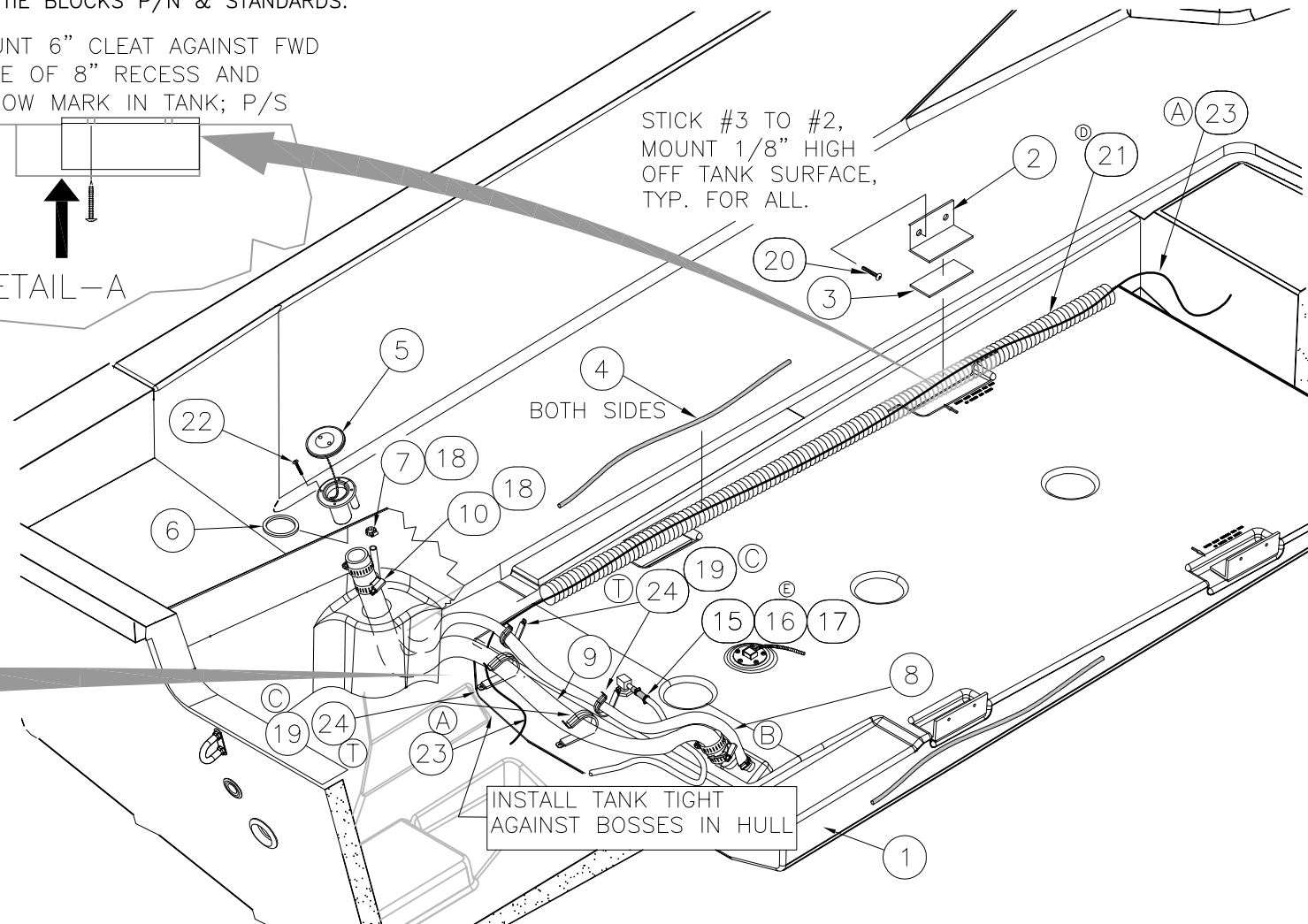
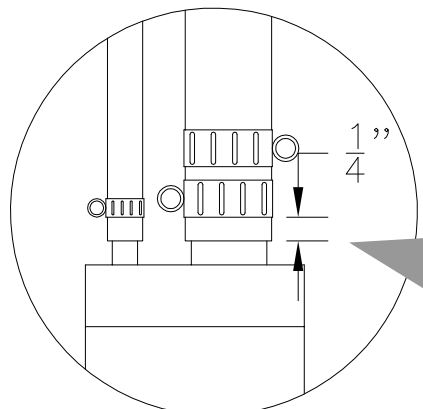
REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
A	ADD #23, ADD NOTE	SWH	2-24-06	VPK	051039
B	UPDATE FUEL TANK VIEWS	SWH	3-01-06	VPK	051039
C	ADDED FUEL HOSE SUPPORT CLIPS, SHEET 1 & 3	SLJ	04/19/06	AVM	060479
D	ITEM #21 P/N 1817798 WAS 123919, SHEETS 1, 2 & 3.	SL	10/13/06	AVM	0606132
E	CHANGED PN# & DESCR. ITEM 16, SHEET 3	SLJ	03/30/07	AVM	07034095
F	CHANGED PN# & DESCR. ITEM 24, SHEET 3	TM	04/28/08	DH	08045119
G	REMOVE ITEMS 11&12 AND ADD NOTES TO REFER DWG. 01-300 & UPDATED QTY ON ITEM 19	JF	06/16/08	AF	08065289
H	ITEM #1 WAS PN# 1816390	SLJ	04/20/10		09126422

MOUNT 6" CLEAT AGAINST FWD EDGE OF 8" RECESS AND ARROW MARK IN TANK; P/S



STICK #3 TO #2, MOUNT 1/8" HIGH OFF TANK SURFACE, TYP. FOR ALL.

NOTE: POSITION CLAMPS (A) FACING AFT TO GAIN ACCESS FROM REAR HATCH



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5°    .XXX = ± .010  
 .X = ± .1    X = ± 1/16  
 .XX = ± .03    X

DO NOT SCALE DRAWING



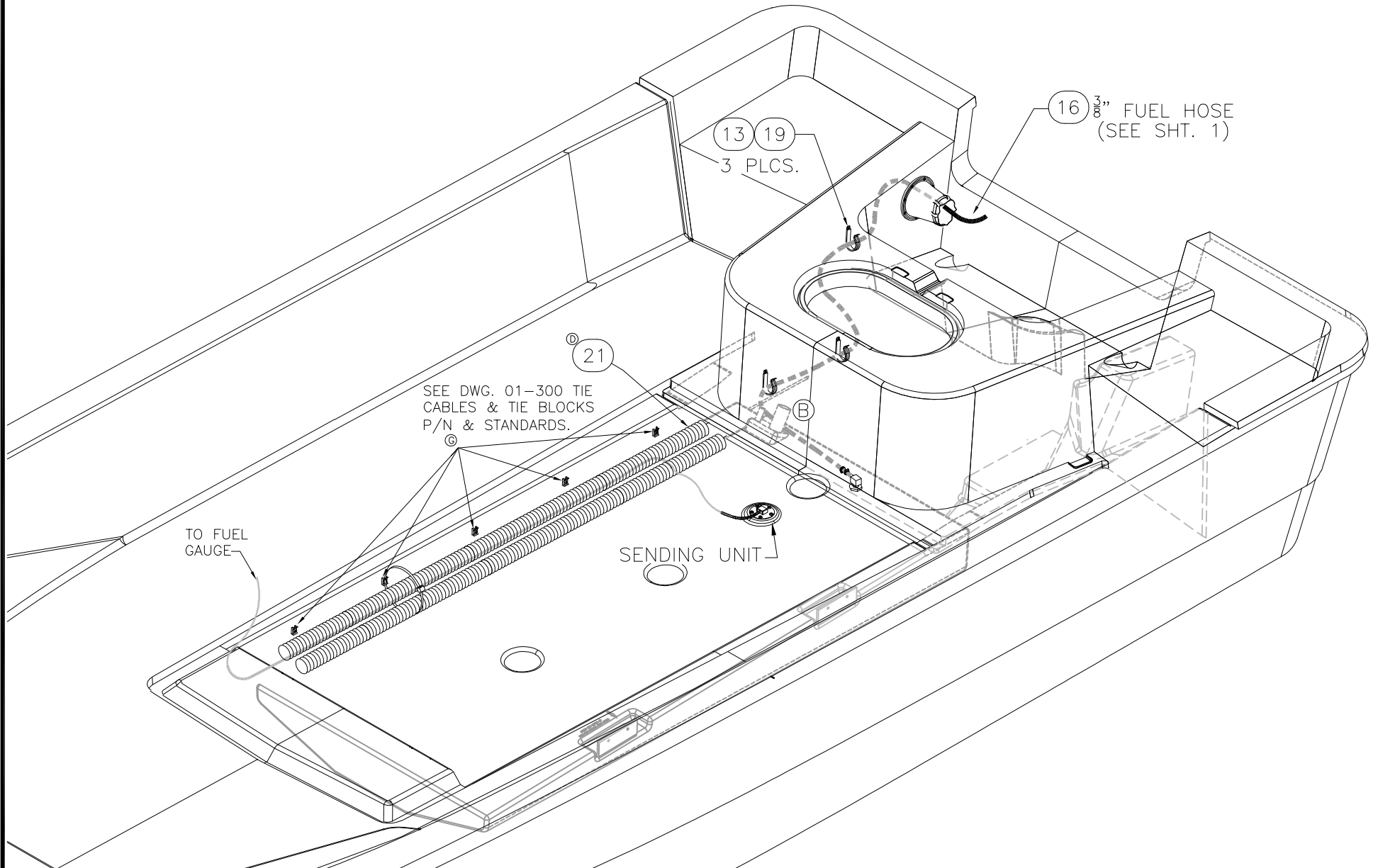
CHECKED: H. WOOD	DATE: 1/15/06	DRAWN: HAL READ	DATE: 01/13/06	SCALE: NONE	BOAT MODEL: 190MT	MOLD NO.:
APPD: KR	DATE: 1/17/06	DWG. TITLE: FUEL SYSTEM INSTALLATION		INIT. REL. ECN NO: 051039	DWG. NO: 10501	SHT. NO. 1 OF 3
DESIGN: VPK	DATE: 1/17/06					
INT. ENG: MG	DATE: 1/17/06					

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DWG. NO:  
10501

REV.  
H

CURRENT ECD  
09126422



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1 X = ± 1/16  
 .XX = ± .03  
 DO NOT SCALE DRAWING

DRAWN: HAL READ DATE: 01/13/06 SCALE: NONE

DWG. TITLE:  
FUEL SYSTEM INSTALLATION

BOAT MODEL  
190MT

MOLD NO.

INIT. REL. ECN NO:  
051039

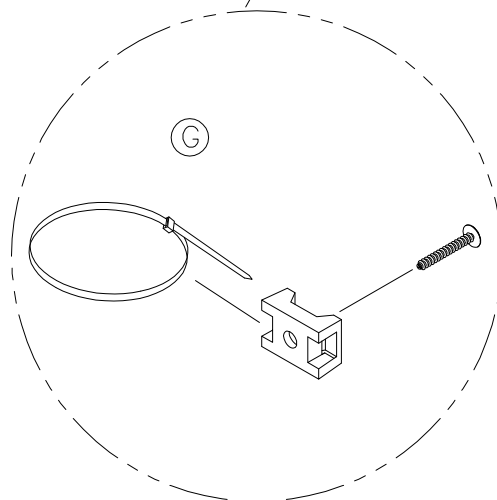
DWG. NO:  
10501

SHT. NO.  
2 OF 3

Parts List

ITEM	QTY	U/M	DESCRIPTION	B.W.I.	NO.
(H) 1	1	EA.	TANK, FUEL – BW 60GAL LOW PERM 190MT-10	1980658	
2	4	EA.	BRACKET, PVC 2"X 2"X 1/4"X 6" BW-01	1547280	
3	2	FT.	TAPE, FOAM NEOPRENE W/3M 9828 3/8"TH X 2"W	1497452	
4	14	FT.	FOAM, BACKER ROD 7/8"DIA	1041698	
5	1	EA.	DECK PLATE, GAS CHR W/VENT STRAIGHT RED CODE	1109370	
6	1	EA.	DECK PLATE, GAS CHR W/VENT (SHIM ONLY)	1098615	
7	2	EA.	CLAMP, HOSE #10 1/2"-1 1/8" SS .505	0263954	
8	0	FT.	HOSE, FUEL 5/8" TYPE A CLASS 1 ISO/CE	0123778	
9	0	FT.	HOSE, FUEL 1.5" TYPE A CLASS 2	0123745	
10	4	EA.	CLAMP, HOSE #24 1"-2" SS .505	0256693	
(G) 11	8	EA.	TIE, CLIP BLK	1031764	
(G) 12	8	EA.	TIE, CABLE 6" LG NYLON BLK	0999672	
(G) 13	6	EA.	CLIP, SUPPORT 1"DIA	1216720	
15	2	EA.	CLAMP, HOSE #06M 5/16"-7/8" SS MINI	0123398	
(E) 16	0	FT.	HOSE, FUEL 3/8" TYPE A CLASS 1-15 ISO/CE/CARB	1884011	
17	2	EA.	COVER, CLAMP END PROT 1/2"L X.035"X.30"RED	0830976	
18	6	EA.	COVER, CLAMP END PROT 1/2"L X .045"X .465"RED	0830968	
(G)(C) 19	6	EA.	SCREW, TAPPING #8A x 5/8" PTH SC	1010925	
20	8	EA.	SCREW, TAPPING #14A X 1.5" PTH SC	1010909	
(D) 21	22.5	FT.	HOSE, CONDUIT/UNSPLIT 1.5" FLAME RETARDANT	1817798	
22	4	EA.	SCREW, TAPPING #8A X 1" PPH SC	1213115	
(A) 23	18	FT.	CORD, NYLON 1/8" WHT	1033372	
(T)(C) 24	4	EA..	CLAMP, LOOM 2" G32	1704652	

SEE DWG. 01-300 TIE CABLES & TIE BLOCKS P/N & STANDARDS



AS NEEDED 14" MAX SPACING



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1 X = ± 1/16  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING

DRAWN: HAL READ	DATE: 01/13/06	SCALE: NONE	BOAT MODEL 190MT	MOLD NO.
DWG. TITLE: FUEL SYSTEM INSTALLATION			INIT. REL. ECN NO: 051039	DWG. NO: 10501
				SHT. NO. 3 OF 3

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DWG. NO:  
09301

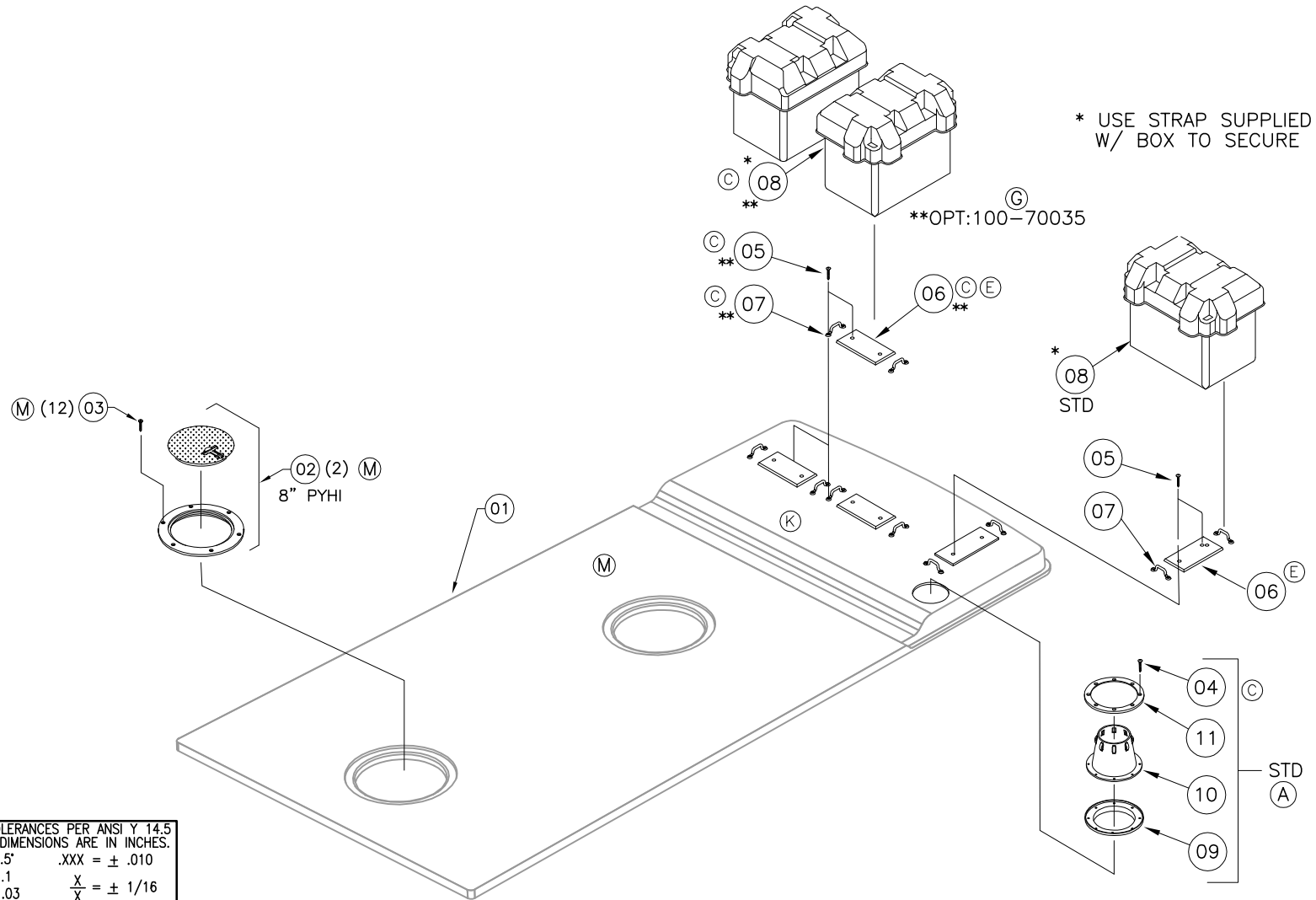
REV.  
L

CURRENT ECD  
11108073

NOTES:

1. REFER TO DWG. 05108 FOR LAMO DETAILS
2. REFER TO DWG. 16108 FOR HOLE CUT AND TRIM DETAILS
3. SEE DWG. 01-300 FOR TIE CABLES & TIE BLOCKS P/N & STANDARD

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
H	REMOVE ITEMS 12&13 AND ADD NOTES TO REFER DWG# 01-300	JF	6/9/08	AF	08065289
I	DELETE CENTER SCREW HOLE.	AVR	2/16/09	AF	08125648
J	UPDATE OPTIONS FOR ELECTRONICS	SG	3/15/10	ST	10036659
K	REMOVE ITEMS 15, 16, AND 17 OPT QTY ITEM 4 WAS 6	SG	3/29/10	MAE	10036689
L	MOLD CHANGE, ADD FORWARD RECESS FOR 8" PIE EYE COVER MOVE FIRST 3" FORWARD	JSD	01/10/11	JK	11108073



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
.X = ± .1 .XX = ± .03 X = ± 1/16  
DO NOT SCALE DRAWING



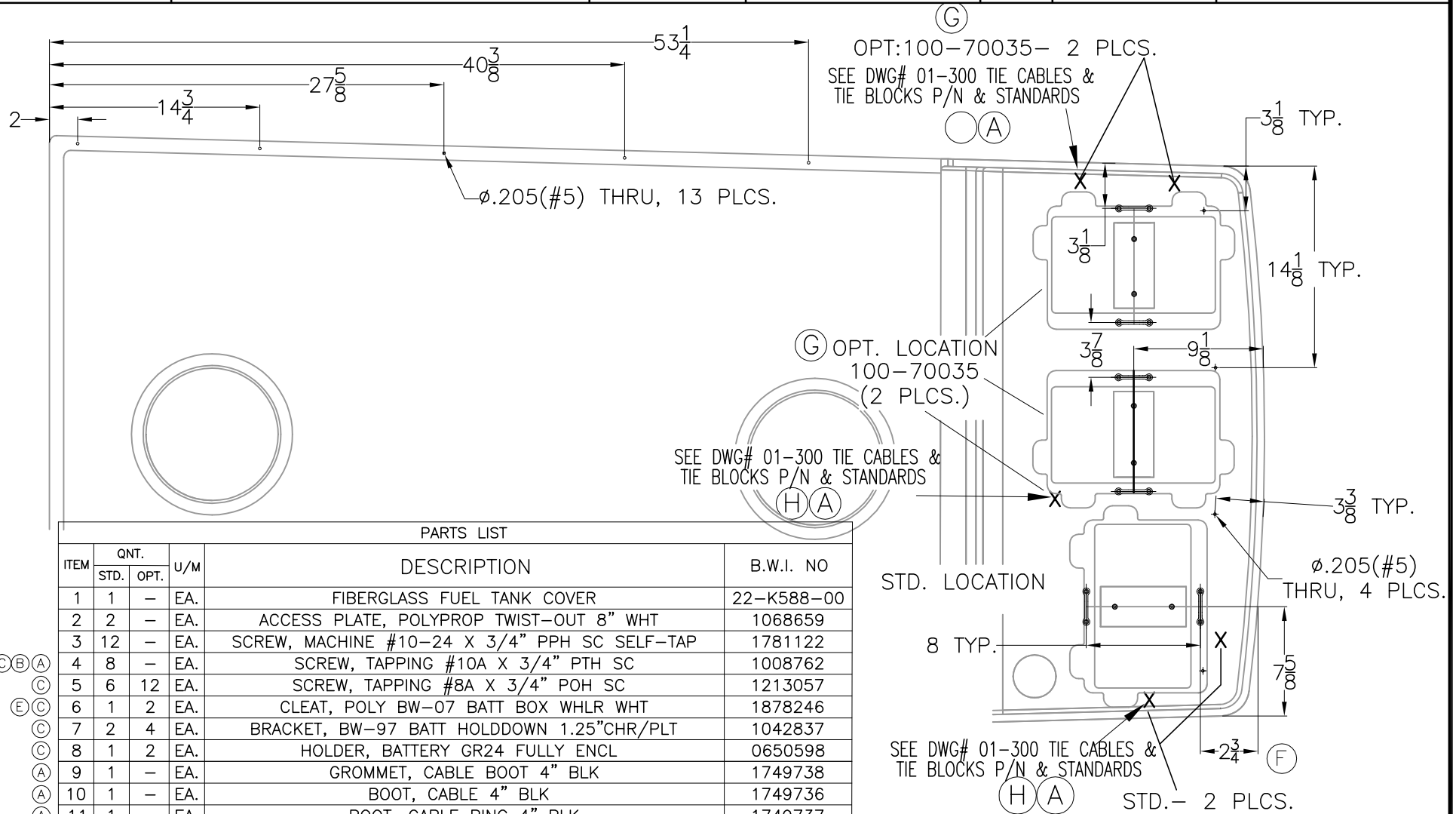
CHECKED: A.DALE	DATE: 12-13-05	DRAWN: S HIESTER	DATE: 12/13/05	SCALE:	BOAT MODEL: 190MT	MOLD NO.: 22K58800
APPD: RA	DATE: 12-13-05	DWG. TITLE: FUEL TANK COVER SUB-ASSY.			INIT. REL. ECN NO.: 051039	DWG. NO.: 09301
DESIGN: VPK	DATE: 12-13-05					SHT. NO.: 1 OF 2
INT. ENG: MG	DATE: 12-13-05					

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DWG. NO:  
09301

REV.  
L

CURRENT ECD  
11108073



PARTS LIST

ITEM	QNT.		U/M	DESCRIPTION	B.W.I. NO
	STD.	OPT.			
1	1	-	EA.	FIBERGLASS FUEL TANK COVER	22-K588-00
2	2	-	EA.	ACCESS PLATE, POLYPROP TWIST-OUT 8" WHT	1068659
3	12	-	EA.	SCREW, MACHINE #10-24 X 3/4" PPH SC SELF-TAP	1781122
4	8	-	EA.	SCREW, TAPPING #10A X 3/4" PTH SC	1008762
5	6	12	EA.	SCREW, TAPPING #8A X 3/4" POH SC	1213057
6	1	2	EA.	CLEAT, POLY BW-07 BATT BOX WHLR WHT	1878246
7	2	4	EA.	BRACKET, BW-97 BATT HOLDDOWN 1.25"CHR/PLT	1042837
8	1	2	EA.	HOLDER, BATTERY GR24 FULLY ENCL	0650598
9	1	-	EA.	GROMMET, CABLE BOOT 4" BLK	1749738
10	1	-	EA.	BOOT, CABLE 4" BLK	1749736
11	1	-	EA.	BOOT, CABLE RING 4" BLK	1749737
12	2	3	EA.	SCREW, TAPPING #8A X 5/8" PTH SC	1010925
13	2	3	EA.	TIE, CLIP BLK	1031764
14	-	1	EA.	DRAIN, 1" IMPACT W/O BARB BLK	1041953
15	-	1	EA.	GROMMET, CABLE BOOT 3" BLK	1574839
16	-	1	EA.	BOOT, CABLE 3" BLK	1043223
17	-	1	EA.	BOOT, CABLE RING 3" BLK	1043330

(K) (D) (C) (B) (A)  
(C)  
(E) (C)  
(C)  
(C)  
(A)  
(A)  
(A)  
(H) (A)  
(H) (A)  
(B) (A)  
(D) (B) (K)  
(D) (B) (K)  
(D) (B) (K)



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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.X = ± .1 X = ± 1/16  
.XX = ± .03

DO NOT SCALE DRAWING

DRAWN: S HIESTER

DATE: 12/13/05

SCALE:

BOAT MODEL

190MT

MOLD NO.

22K58800

DWG. TITLE:

FUEL TANK COVER SUB-ASSY.

INIT. REL. ECN NO:

051039

DWG. NO:

09301

SHT. NO.

2 OF 2



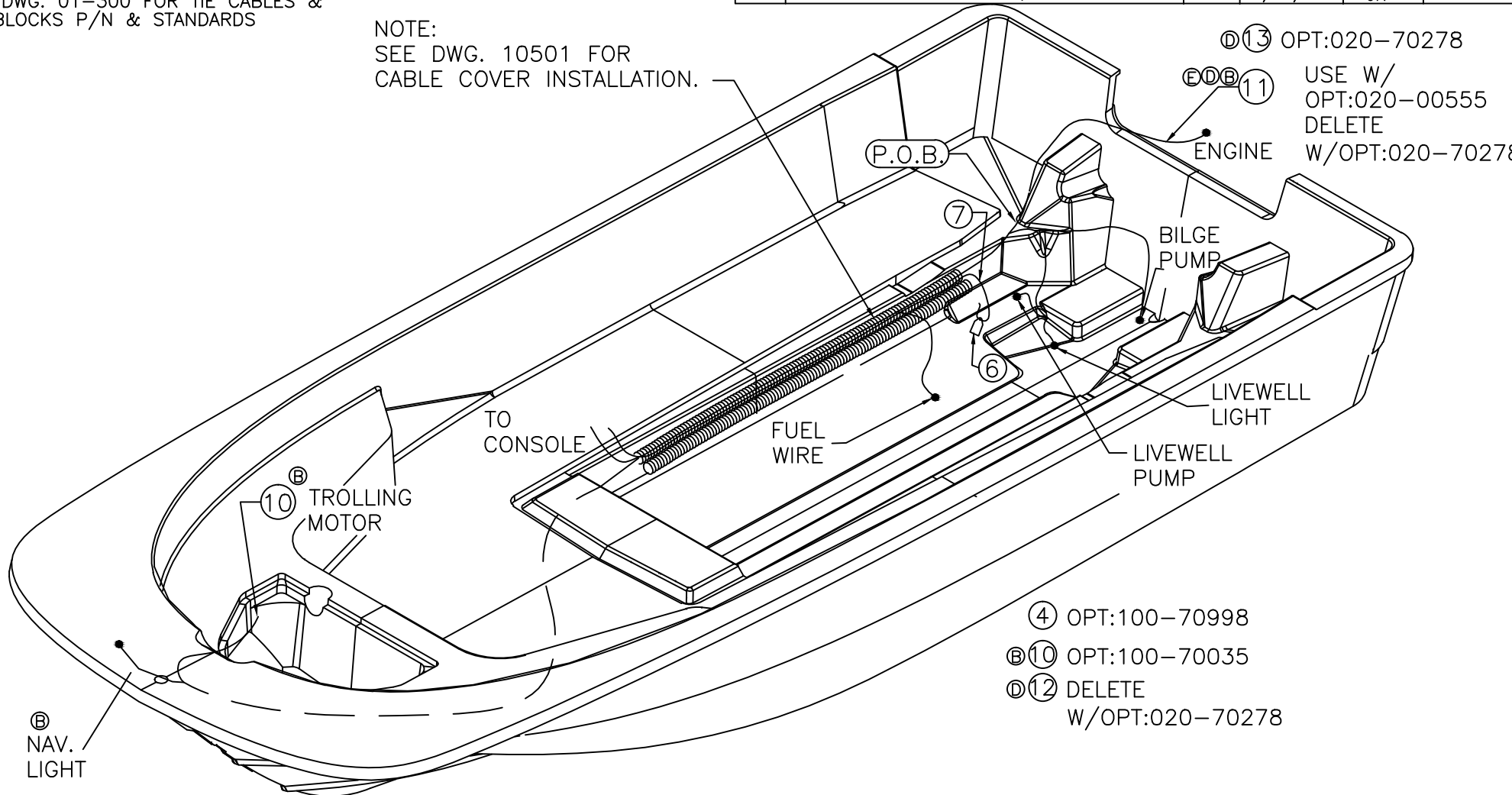
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DWG. NO: 07801  
 REV. E  
 CURRENT ECD 11108081

1. SECURE HARNESS w/ TIE CABLES, TIE BLOCKS, & SCREWS ON 14" MAX CENTERS. INSTALLATION SHALL BEGIN AT "POB".
2. ALL TERMINAL CONNECTIONS SHALL BE CORROSION SEALED USING T-9 SPRAY.
3. MAKE CONNECTION AS HIGH AS POSSIBLE ABOVE NORMAL ACCUMULATION OF BILGE WATER
4. SEE DWG. 01-300 FOR TIE CABLES & TIE BLOCKS P/N & STANDARDS

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
A	DELETED #8	HJR	02/07/06	VPK	051039
B	MYE 08: 05 WAS 1819057, NAV WIRE WAS IN RUBRAIL. ADD 10-12	SWH	5/9/07	RA	07034093
C	REMOVE ITEMS 1,2,3,&9 AND ADD NOTES TO REFER DWG# 01-300	JF	6/9/08	AF	08065289
D	MYE-"10", UPDATED DWG FOR MODEL YEAR CHANGES	SLJ	06/22/09	RW	09045906
E	ADD NOTE USE 11 W/ 020-00555	JSD	2/23/12	JK	11108081

NOTE:  
 SEE DWG. 10501 FOR  
 CABLE COVER INSTALLATION.



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 .X = ± .1 X = ± 1/16  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING



CHECKED: D.HOY	DATE: 01/23/06	DRAWN: HAL READ	DATE: 01/23/06	SCALE: NONE	BOAT MODEL 190MT	MOLD NO.	
APPD: K.RANIERI	DATE: 01/23/06	DWG. TITLE: HARNESS INSTALLATION DETAIL			INIT. REL. ECN NO: 051039	DWG. NO: 07801	SHT. NO. 1 OF 2
DESIGN: V.KNIGHT	DATE: 01/23/06						
INT. ENG: M.GATICA	DATE: 01/23/06						

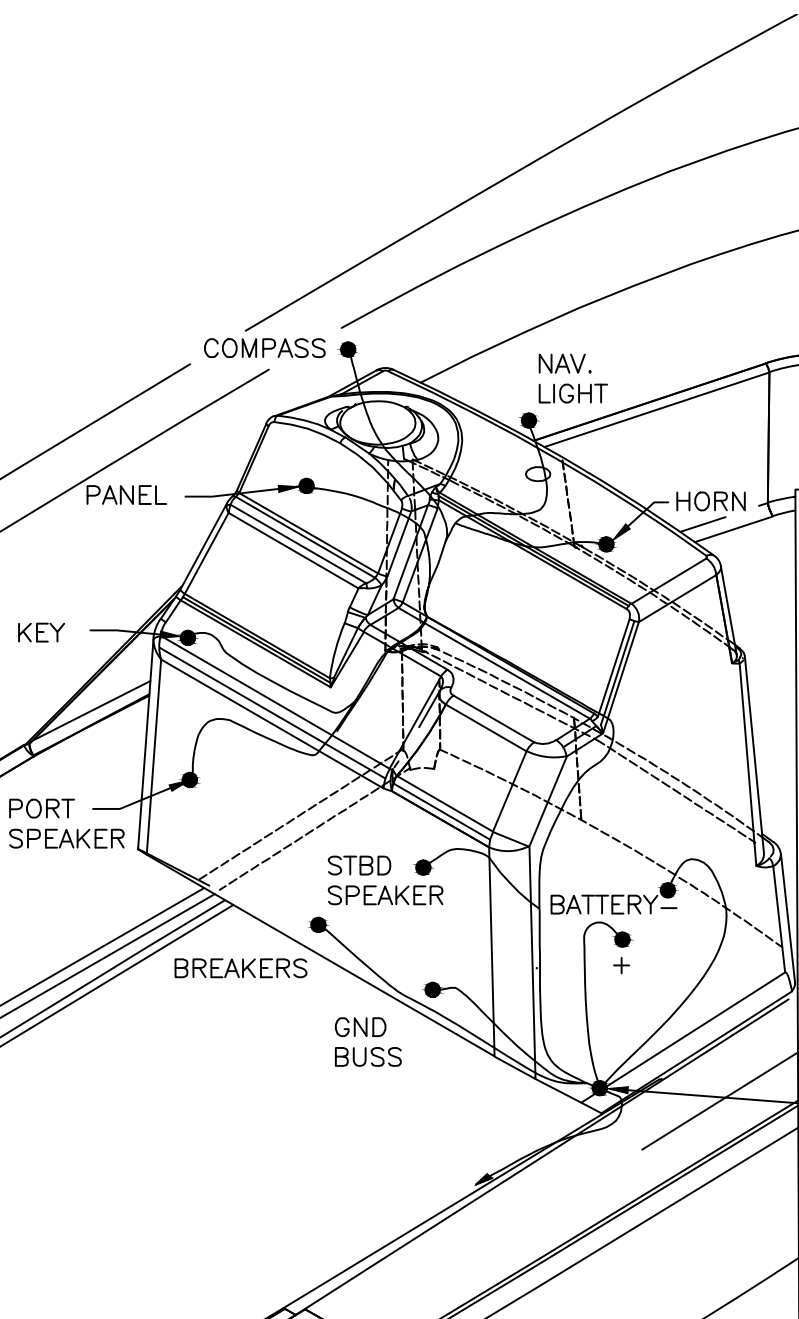


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DWG. NO:  
07801

REV.  
E

CURRENT ECD  
11108081



### PARTS LIST

ITEM	STD.	OPT.	U/M	DESCRIPTION	B.W.I. NO.
Ⓒ 01	20		EA.	TIE, CLIP BLK	1031764
Ⓒ 02	30		EA.	TIE, CABLE 6" LG NYLON BLK	999672
Ⓒ 03	20		EA.	SCREW, TAPPING #8A x 5/8" PTH	1010925
04		1	EA.	HARNESS, BW150MT-06 CE	1811330
Ⓑ 05	1		EA.	HARNESS, BW190MT-08 DC	1893325
06	1		EA.	TAG, BW DO NOT PULL RIGGING	0999755
07	15		FT	CORD, NYLON 1/8" WHT	1033372
Ⓐ 08				HOSE, 2" ID CABLE COVER (OUTBOARD) BLK	1042399
Ⓒ 09	20		EA.	TIE, CABLE 11" MED NYLON BLK	0157321
Ⓑ 10		1	EA.	HARNESS, BW190MT-08 TROLLING MOTOR	1893326
ⒹⒷ 11	1	-1	EA.	HARNESS, ENG MERC S-CRFT 14 PIN 20'	1802105
ⒹⒷ 12	1	-1	EA.	HARNESS, MERC ANALOG GAUGE ASSY	1802108
Ⓓ 13		1	EA.	HARNESS, ENG MERC DIGITAL OIL/FUEL/PADDLE '06	1806644

P.O.B  
PLACE AT TOP OF BOOT

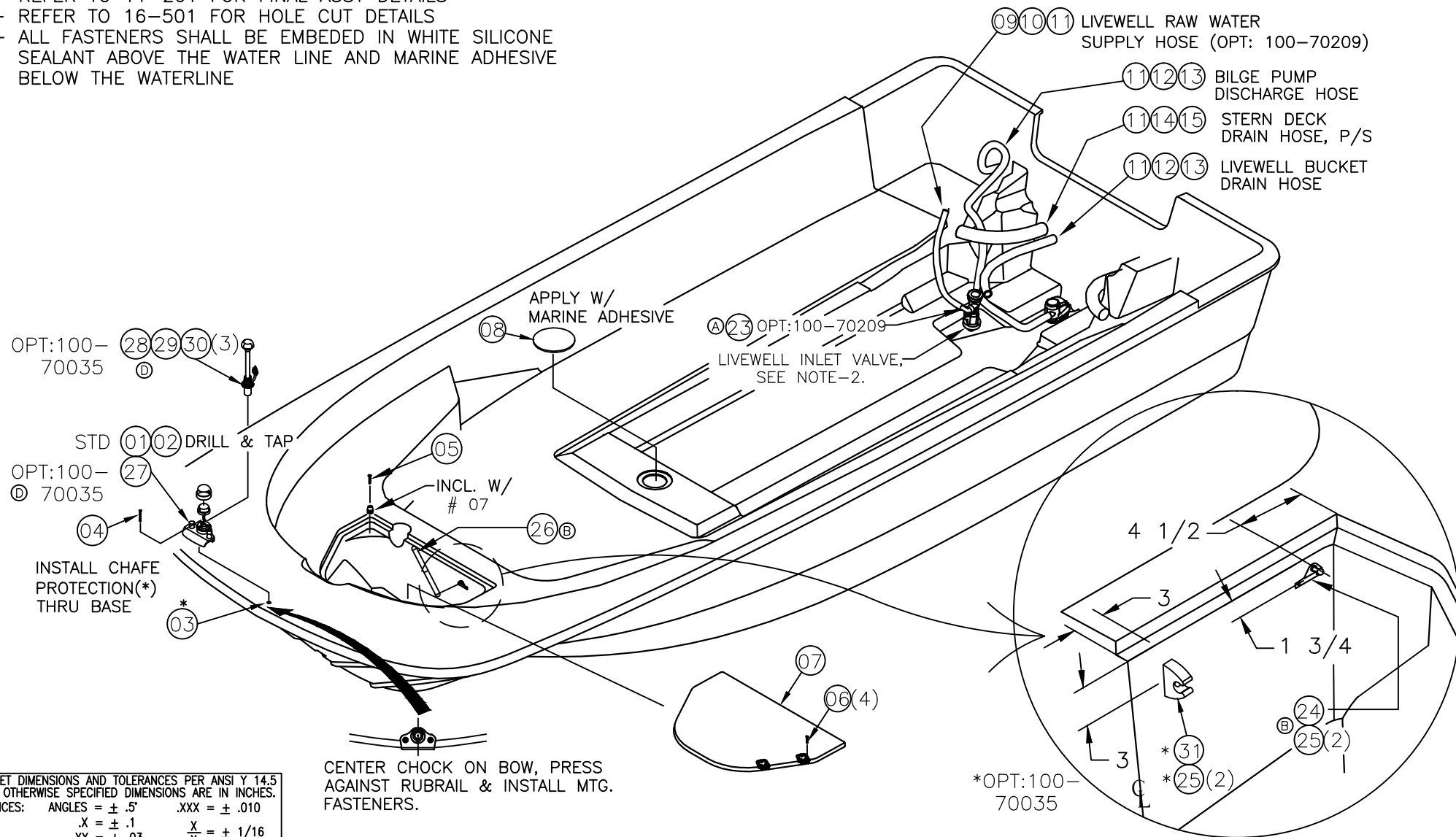
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DWG. NO: 06151  
 REV. G  
 CURRENT ECD 12078788

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
G	MADE NEW LADDER VIEW AND CHANGED DEMENSIONS PG. 2	TP	08/23/12	JK	12078788

NOTES:

- 1- REFER TO 01-251 FOR HOSE CUT LENGTHS
  - 2- REFER TO 06-101 FOR THRU HULL INSTALLATIONS
  - 3- REFER TO 09-101 FOR OPTIONAL LIVEWELL DETAILS
  - 4- REFER TO 10-501 FOR FUEL SYSTEM INSTALLATION
  - 5- REFER TO 11-201 FOR FINAL ASSY DETAILS
  - 6- REFER TO 16-501 FOR HOLE CUT DETAILS
  - 7- ALL FASTENERS SHALL BE EMBEDDED IN WHITE SILICONE SEALANT ABOVE THE WATER LINE AND MARINE ADHESIVE BELOW THE WATERLINE
- Ⓓ



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1 .XX = ± .03  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING

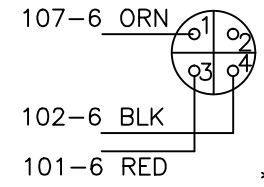
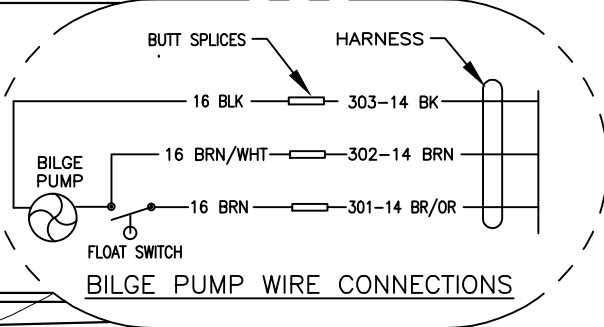
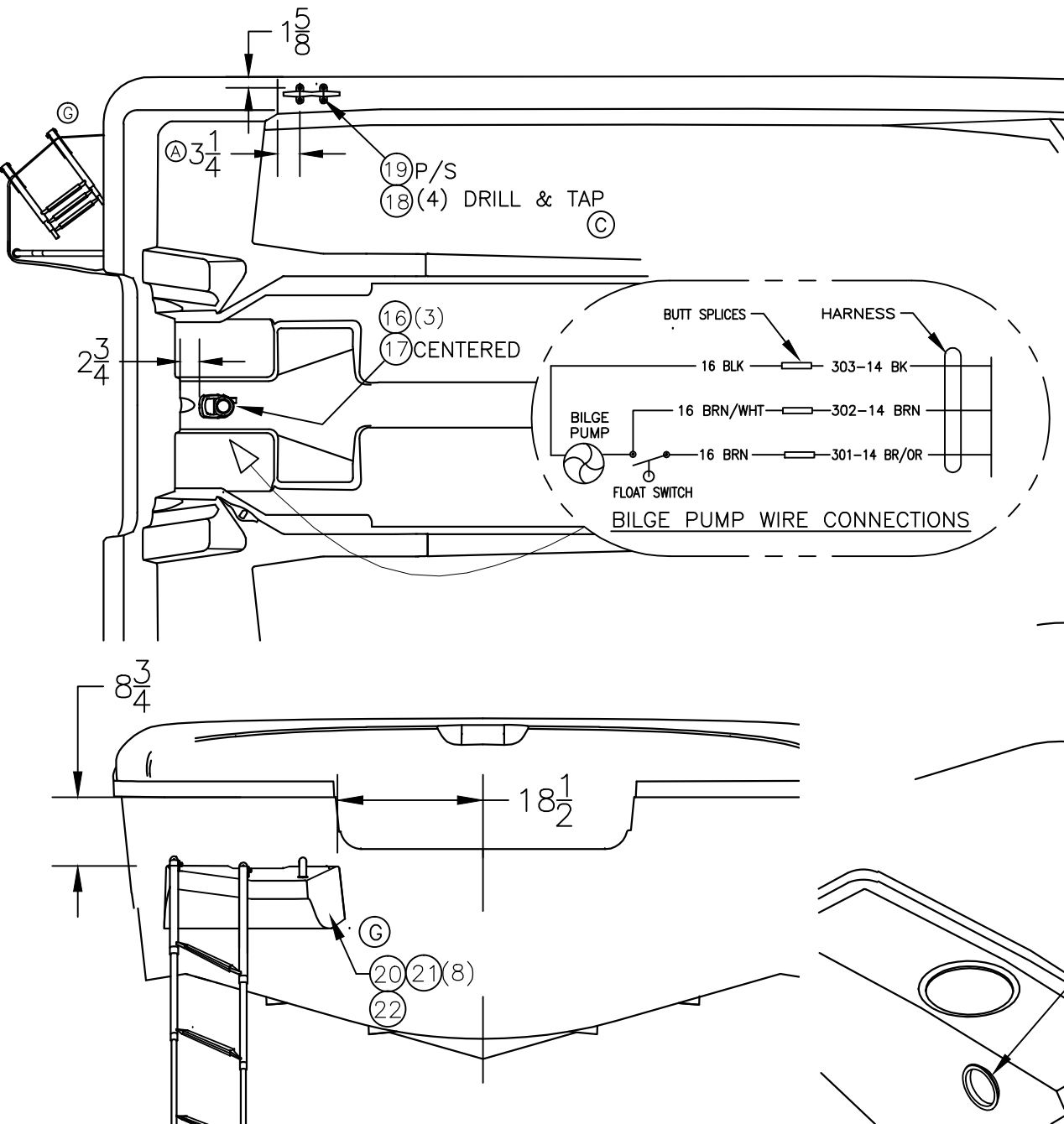
<p><b>BOSTON WHALER</b>        PRODUCT DEV. &amp; MFG. ENGINEERING GROUP</p>	CHECKED: A.DALE	DATE: 1-12-06	DRAWN: S.HIESTER	DATE: 1-10-06	SCALE:	BOAT MODEL	MOLD NO.	
	APPD: K. R.	DATE: 1-12-06	DWG. TITLE: HULL OUTFIT & EQUIPMENT LOCATIONS			190MT		
	DESIGN: V.P.K.	DATE: 1-12-06				INIT. REL. ECN NO:	DWG. NO:	SHT. NO.
	INT. ENG: M.G.	DATE: 1-12-06				051039	06151	1 of 4

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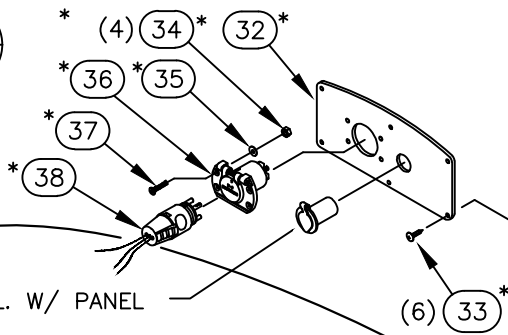
DWG. NO:  
06151

REV.  
F

CURRENT ECD  
09056013

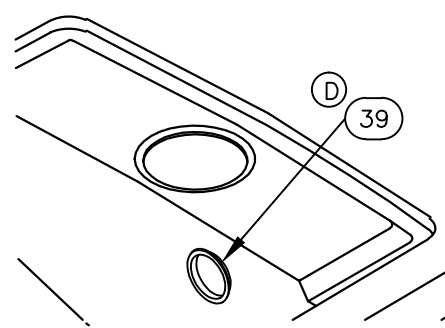


\* (D) TROLLING MOTOR PANEL ASS'Y  
OPT: 100-70035



INCL. W/ PANEL

CENTER IN FLAT AREA.  
(STD.) 19



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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.X = ± .1 .XX = ± .03 X/X = ± 1/16  
DO NOT SCALE DRAWING

DRAWN: S HIESTER DATE: 01-10-06 SCALE:  
DWG. TITLE:  
HULL OUTFIT & EQUIPMENT LOCATIONS

BOAT MODEL  
190MT  
INIT. REL. ECD NO:  
051039

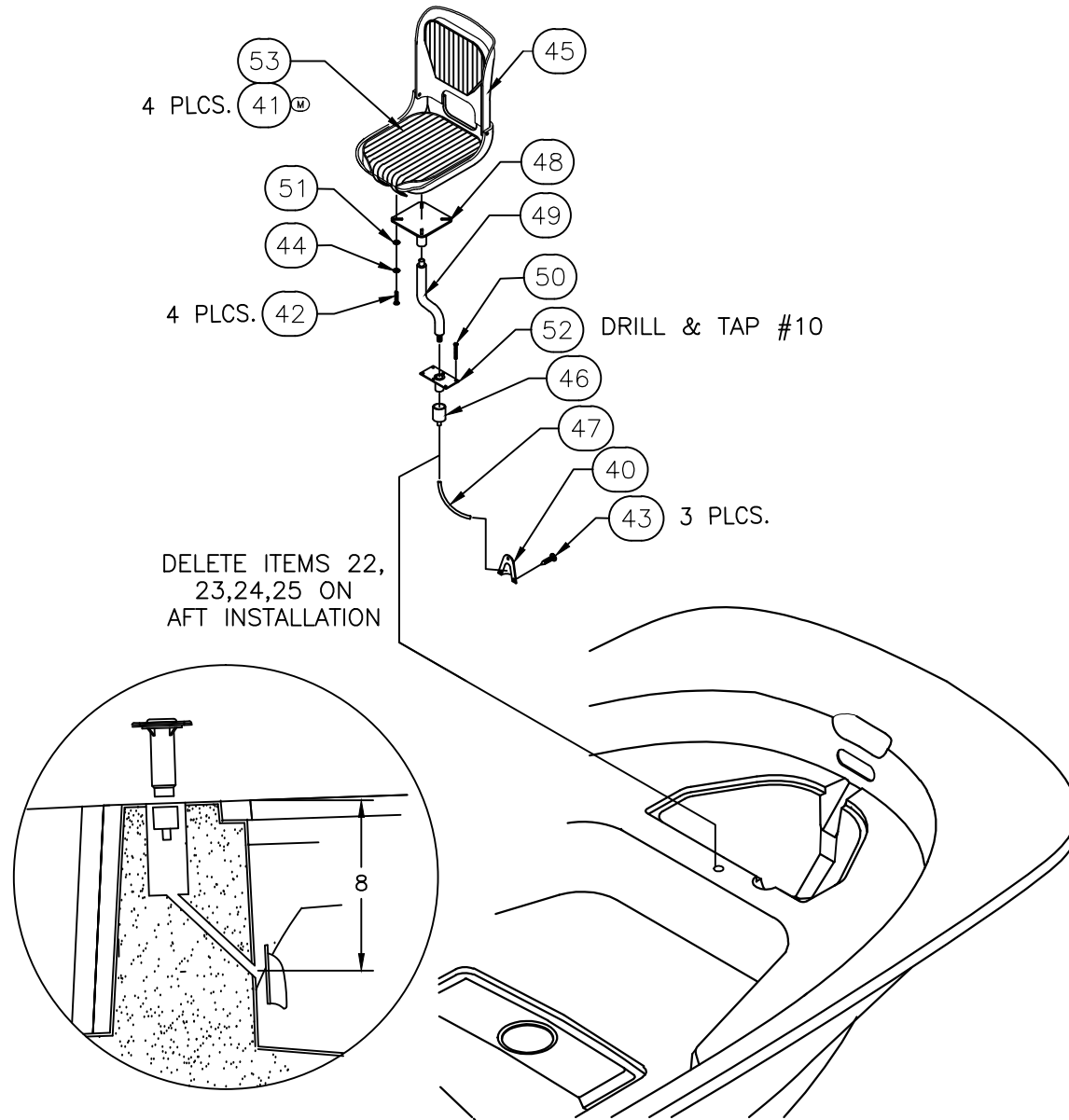
MOLD NO.  
DWG. NO:  
06151  
SHT. NO.  
2 OF 4

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DWG. NO:  
06151

REV.  
G

CURRENT ECD  
12078788



DELETE ITEMS 22,  
23,24,25 ON  
AFT INSTALLATION

OPT:100-70207 PEDESTAL FISHING SEAT



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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.X = ± .1 X = ± 1/16  
.XX = ± .03 X = ± 1/16  
DO NOT SCALE DRAWING

DRAWN: S HIESTER DATE: 01-10-06 SCALE:  
DWG. TITLE:  
HULL OUTFIT & EQUIPMENT LOCATIONS

BOAT MODEL  
190MT  
INIT. REL. ECD NO:  
051039

MOLD NO.  
DWG. NO:  
06151  
SHT. NO.  
3 OF 4

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DWG. NO:  
06151

REV.  
G

CURRENT ECD  
12078788

Parts List				
ITEM	QTY	U/M	DESCRIPTION	B.W.I. NO
	1	EA.	CHOCK, BOW BW-03 W/BOLLARDS SS	1748820
	2	EA.	SCREW, MACHINE #6-32 X 1" PPH SC	1008671
	.75	FT.	HOSE, CONDUIT/SPLIT 1/4" FLAME RETARDANT	1501808
	4	EA.	SCREW, MACHINE #1/4-20 X 2.5" PFH SC	1326156
	5	EA.	SCREW, TAPPING #10A X 1.5" PPH SC	1010610
	6	EA.	SCREW, TAPPING #10A X 1" POH SC	1008507
	7	EA.	ANCHOR LOCKER SUB-ASSY	09-402
	8	EA.	COVER, ABS BW140/160DA-99 7.75" POUR HOLE WHT	1210756
	9	FT.	HOSE, WATER 3/4" BLK REINF PVC	1042100
	10	EA.	CLAMP, HOSE #10 1/2"-1 1/8" SS .505	0263954
	11	EA.	COVER, CLAMP END PROT 1/2"L X .045"X .465"RED	0830968
	12	FT.	HOSE, WATER 1 1/8" BLK	1042076
	13	EA.	CLAMP, HOSE #16 3/4"-1.5" SS .505	0256685
	14	EA.	CLAMP, HOSE #24 1"-2" SS .505	0256693
	15	FT.	HOSE, SANI 2" BLK PVC 149 SERIES	1746049
	16	EA.	SCREW, TAPPING #6A X 3/4" PTH SC	1010917
	17	EA.	PUMP, BILGE 1100GPH SAHARA	1816421
	18	EA.	SCREW, MACHINE #1/4-20 X 1.25" PFH SC	1213289
	19	EA.	CLEAT, 8" 4-BOLT SS	0291658
	20	EA.	SCREW, TAPPING #14A X 1.5" PPH SC	1008697
	21	EA.	WASHER, FENDER 1/4"X 1.25" SC	1260678
(G)	22	EA.	SWIM PLATFORM SUB-ASSY	K560
(A)	23	EA.	ELBOW, CONN 3/4"-14 X 3/4" BARB WHT PLAS	1734473
(B)	24	EA.	BRACKET, LIFT CYL SS OFFSET W/STUD 2-HOLE	0995084
(B)	25	EA.	SCREW, TAPPING #8A X 1" PTH SC	1008804
(B)	26	EA.	CYLINDER, GAS SS 30PSI 20"EXT X 12"COMP	1384957
(D)	27	EA.	CHOCK, BOW BW-08 REMVBL LIGHT W/BOLLARDS SS	1893298
(D)	28	EA.	LIGHT, NAV BASE ONLY STRN RND W/SS CAP	1798767
(D)	29	EA.	LIGHT, NAV COMBO BOW REMOV'BL SS 10"	1836209
(D)	30	EA.	SCREW, MACHINE #6-32 X 3/4" PTH SC	1130038
(D)	31	PR.	CLIP, POLE STRG BLK - MAST LIGHT	0590646
(D)	32	EA.	PANEL, BWMT-08 TROLLING 12/24V BLK	1893299
(D)	33	EA.	SCREW, TAPPING #8A X 5/8" PTH SC	1010925
(D)	34	EA.	NUT, LOCK 6-32 SC	1009810
(D)	35	EA.	WASHER, FLAT #10 SC	1260751
(D)	36	EA.	RECEPTACLE, 12 TROLLING MOTOR OPT	0803155
(D)	37	EA.	SCREW, MACHINE #6-32 X 1" PFH SC	1010172
(D)	38	EA.	PLUG, 12V/24V (TROLLING MOTOR)	1713587
(D)	39	EA.	GROMMET, VENT HOSE 3" BLK	1580810
(E)	40	EA.	VENT, CLAMHELL ROPE LCKR 1 5/8"X 1.5"	0126870
(E)	41	EA.	SNAP STUD, W/#8 X 3/8" PH BR/NI/SS	0230786
(E)	42	EA.	SCREW, MACHINE #1/4-20 X 1" PPH SC	1008580
(E)	43	EA.	SCREW, TAPPING #6A X 1/2" PTH SC	1008796
(E)	44	EA.	WASHER, STAR #1/4 SS	1008929
(E)	45	EA.	SEAT, BW-97 FISHING WHT	1038876
(E)	46	EA.	CAP, DRAINBOOT STERN LIGHT MAST BLK	1042761
(E)	47	.833 FT.	TUBING, VINYL SPEEDO BLK	1043017
(E)	48	EA.	BRACKET, BW130/150DA-97 MOUNT FISHING SEAT	1043553
(E)	49	EA.	OFFSET EXT, BW-98 FISH PED	1076975
(E)	50	EA.	SCREW, MACHINE #1/4-20 X 1.5" PFH SC	1215052
(E)	51	EA.	WASHER, FLAT #1/4" SC	1260769
(E)	52	EA.	BASE, BW-05 FISH PED 3"X 6" THREADED SS	1771159
(E)	53	EA.	CUSH, BW-DA/VT-05 FISHING SEAT WHT/GRY	1781443



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
.X = ± .1  
.XX = ± .03  
X  
X = ± 1/16  
DO NOT SCALE DRAWING

DRAWN: S HIESTER

DATE:01-10-06

SCALE:

BOAT MODEL

MOLD NO.

DWG. TITLE:

190MT

HULL OUTFIT & EQUIPMENT LOCATIONS

INIT. REL. ECD NO:

DWG. NO:

SHT. NO.

051039

06151

4 OF 4

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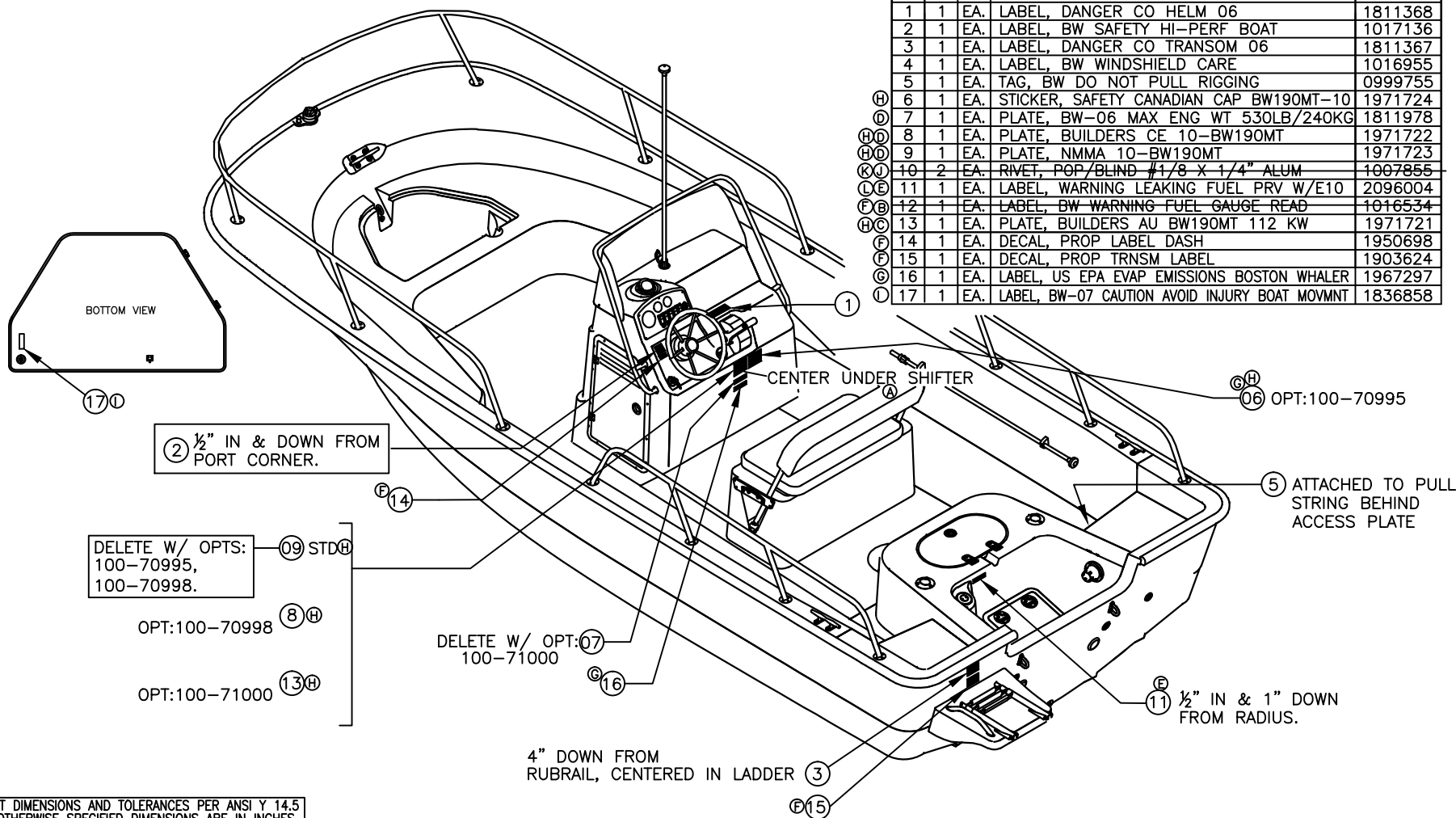
DWG. NO: 12101  
 REV. L  
 CURRENT ECD 12068669

NOTES:  
 1- CLEAN ALL SURFACES WITH DENATURED ALCOHOL BEFORE APPLYING LABELS  
 2- ITEM #4 TO BE INCLUDED IN OWNERS DOCUMENTS BAG

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
K	DELETED ITEM #10	SLJ	04/29/10	RW	10046799
L	CHANGED ITEM 11 TO PRT # 2096004	TP	06/19/12	JK	12068669

### PARTS LIST

ITEM	QTY.	U/M	DESCRIPTION	B.M.I. NO.
1	1	EA.	LABEL, DANGER CO HELM 06	1811368
2	1	EA.	LABEL, BW SAFETY HI-PERF BOAT	1017136
3	1	EA.	LABEL, DANGER CO TRANSOM 06	1811367
4	1	EA.	LABEL, BW WINDSHIELD CARE	1016955
5	1	EA.	TAG, BW DO NOT PULL RIGGING	0999755
(H)	1	EA.	STICKER, SAFETY CANADIAN CAP BW190MT-10	1971724
(D)	1	EA.	PLATE, BW-06 MAX ENG WT 530LB/240KG	1811978
(HD)	1	EA.	PLATE, BUILDERS CE 10-BW190MT	1971722
(HD)	1	EA.	PLATE, NMMA 10-BW190MT	1971723
(K)	2	EA.	RIVET, POP/BLIND #1/8 X 1/4" ALUM	1007855
(LE)	1	EA.	LABEL, WARNING LEAKING FUEL PRV W/E10	2096004
(FB)	1	EA.	LABEL, BW WARNING FUEL GAUGE READ	1016534
(HC)	1	EA.	PLATE, BUILDERS AU BW190MT 112 KW	1971721
(F)	1	EA.	DECAL, PROP LABEL DASH	1950698
(F)	1	EA.	DECAL, PROP TRNSM LABEL	1903624
(G)	1	EA.	LABEL, US EPA EVAP EMISSIONS BOSTON WHALER	1967297
(I)	1	EA.	LABEL, BW-07 CAUTION AVOID INJURY BOAT MOVMT	1836858



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5' .XXX = ± .010  
 .X = ± .1 X = ± 1/16  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING



CHECKED: E. SKAGGS	DATE: 1/13/06	DRAWN: S HIESTER	DATE: 01-12-06	SCALE:	BOAT MODEL	MOLD NO.
APPD: KR	DATE: 1/17/06	DWG. TITLE:	LABEL LOCATIONS		190MT	
DESIGN: VPK	DATE: 1/16/06				INIT. REL. ECN NO:	DWG. NO:
INT. ENG: MG	DATE: 1/17/06				051039	12101
					SHT. NO.	1 OF 1

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DWG. NO:  
**09416**

REV.  
**E**

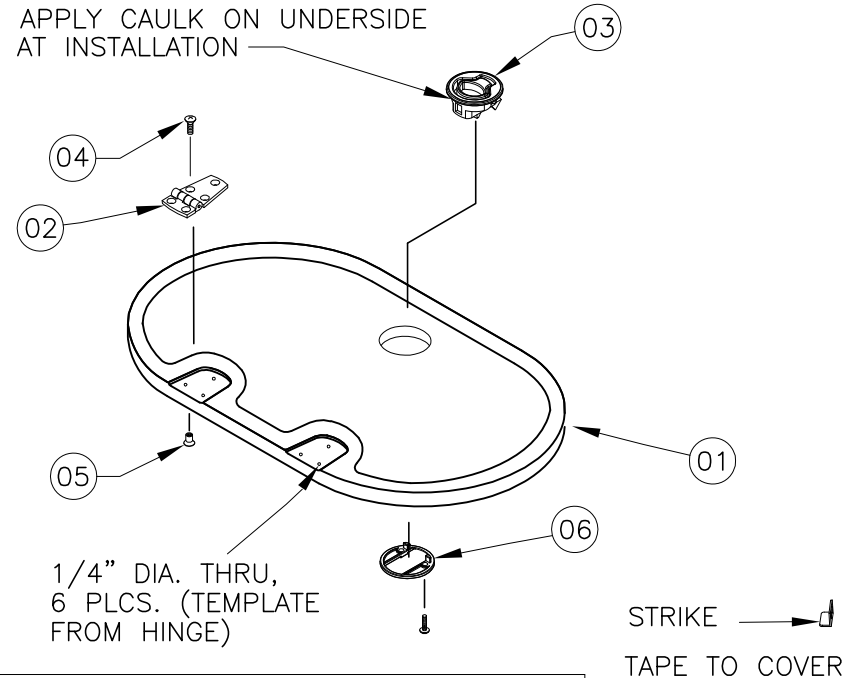
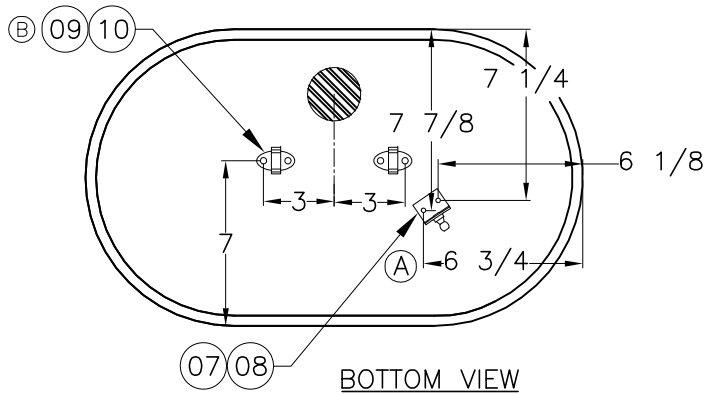
CURRENT ECD  
**07013860**

**NOTES:**

- 1- REFER TO DWG. 16126 FOR HOLE CUT / TRIM SPECS.
- 2- ALL FASTENERS SHALL BE SEALED WITH WHITE SILICONE SEALANT SHALL BE SMOOTHED OVER BARREL NUTS.
- 3- REFER TO DWG. 05126 FOR LAMINATION DETAILS.

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
A	UPDATED BRKT ASSY	SWH	01-17-06	VPK	051039
B	ADDED # 9 & 10	HJR	01-24-06	VPK	051039
C	#8 WAS MRP #1010677.	RD	02-06-06	VPK	051039
D	#8 WAS #1213107.	RD	02-13-06	VPK	051039
E	ADDED OPT# TO ITEM 10	SLJ	01/12/07	DJW	07013860

Ⓔ OPT# 100-70209 (LIVEWELL)



**PARTS LIST**

ITEM	U/M	DESCRIPTION	MRP NO.
01	1	EA. FIBERGLASS PART, LIVEWELL COVER	22K27500
02	2	EA. HINGE, DOOR SS 1.5"X 3" THINLINE	1617323
03	1	EA. LATCH, FLUSH MNT N/LOCKING SLAM SS	1781434
04	6	EA. SCREW, MACHINE #10-24 X 3/8" POH SC	1690961
05	6	EA. NUT, BBL #10-24 X 1/4" FH	1689417
06	1	EA. PLATE, FLAT BRKT 2"SHORT SCREW W/HDWR PKG	1781436
07	1	EA. BRACKET, SS LIFT CYL 90DEG 1"W/STUD	1688166
ⒹⒸ 08	2	EA. SCREW, TAPPING #8A X 1/2" PTH SC	1008812
Ⓔ 09	4	EA. SCREW, TAPPING #8A X 1/2" PFH SC	1008390
Ⓔ 10	2	EA. CLIP, PLAS HOLDING 7/8"-1 1/8" WHT	1833121

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1  
 .XX = ± .03  
 X = ± 1/16  
 DO NOT SCALE DRAWING



CHECKED: RA	DATE: 12-16-05	DRAWN: S HIESTER	DATE: 12/15/05	SCALE:	BOAT MODEL	MOLD NO.	
APPD: K. R.	DATE: 12-16-05	DWG. TITLE:		190MT	22K27500		
DESIGN: V.P.K.	DATE: 12-16-05	LIVEWELL LID- SUB-ASSY			INIT. REL. ECN NO:	DWG. NO:	SHT. NO.
INT. ENG: M.G.	DATE: 12-18-05				051039	09416	1 of 1

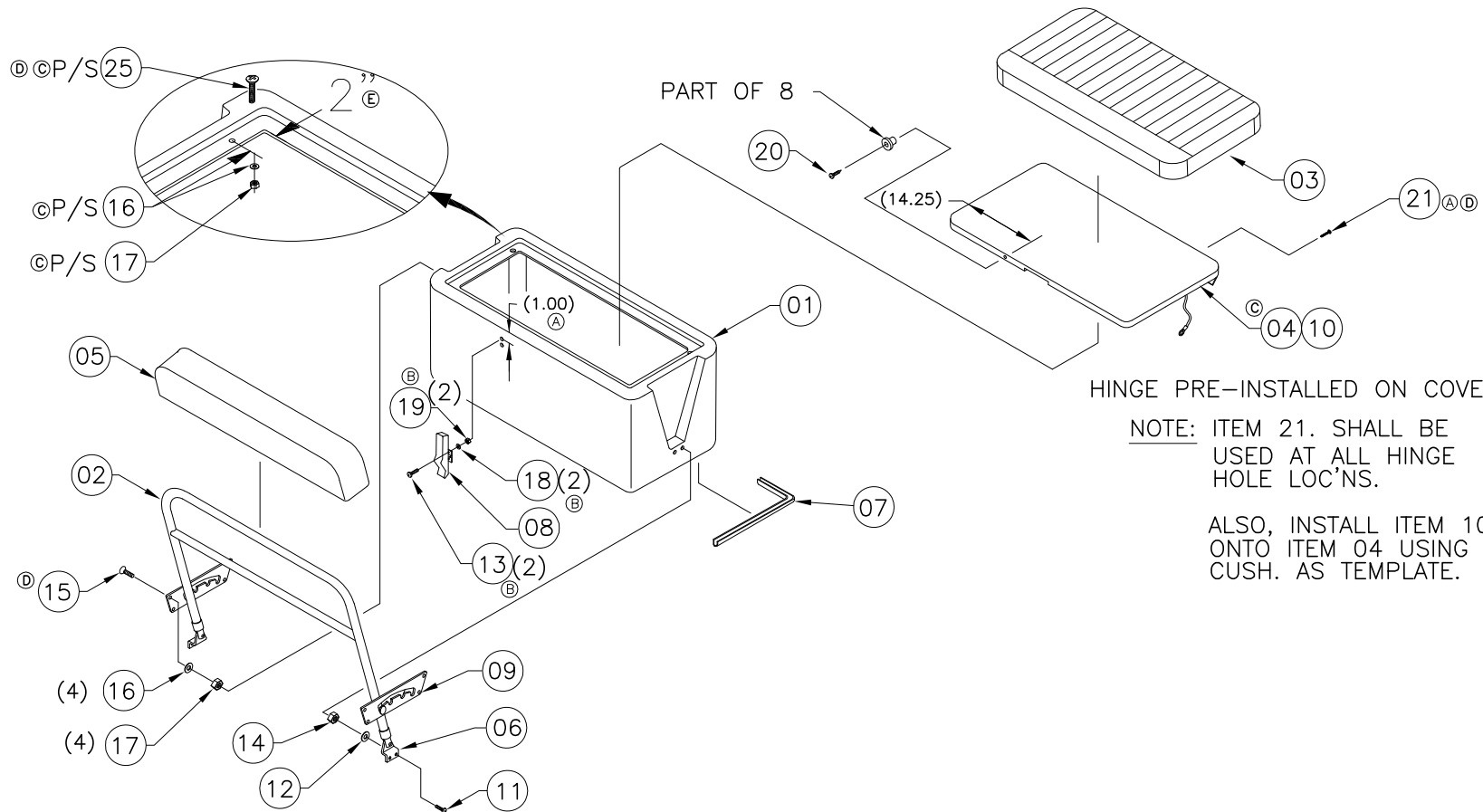
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DWG. NO:	REV.	CURRENT ECD
09251	E	08125665

NOTE:

1. SEE DWG. 05111 FOR LAMO DETAILS.
2. SEE DWG. 16111 FOR TRIM & GRIND.

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
A	DIM WAS 2", #21 WAS 1010362	SWH	01-17-06	VPK	051039
B	ADDED TEXT PG. 1 TO SHOW QTY.	JFH	01-23-06	VPK	051039
C	ADDED VIEW AND #25, #16 & 17 WAS QTY 8, UPDATED VIEW #4 WAS 1185883	HJR	02-07-06	VPK	051039
D	CHANGED PT# 1008440,1009950,1008432 TO 1008457,1213289,1008705	TKJ	8/9/07	AF	07084492
E	CHANGED MEASUREMENT ON DWG	TKJ	1/12/09	AF	08125665



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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 .X = ± .1  
 .XX = ± .03  
 X = ± 1/16  
 DO NOT SCALE DRAWING



CHECKED:	A. DALE	DATE: 01-05-06	DRAWN: HAL READ	DATE: 12/12/05	SCALE: NONE	BOAT MODEL	MOLD NO.	
APPD:	KR	DATE: 01-05-06	DWG. TITLE:	REVERSIBLE PILOT SEAT SUB-ASSY		190MT	22K02700	
DESIGN:	VPK	DATE: 01-06-06				INIT. REL. ECN NO:	DWG. NO:	SHT. NO.
INT. ENG:	MG	DATE: 01-06-06				051039	09251	1 of 2



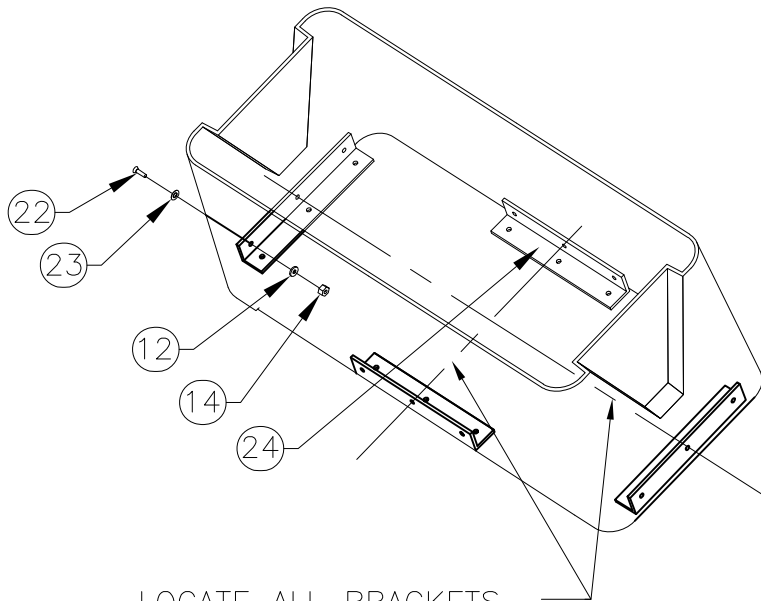
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DWG. NO:  
09251

REV.  
E

CURRENT ECD  
08125665

TOP REMOVED FOR CLARITY



LOCATE ALL BRACKETS  
ON CENTERLINE OF  
SEAT BASE

BILL OF MATERIAL

ITEM	QTY.	U/M	DESCRIPTION	B.W.I. NO.
01	1	EA	FIBERGLASS PART, REVERS. PILOT SEAT	22K02700
02	1	EA	SUPPORT, SS REV SEAT W/ B/R	1187053
03	1	EA	CUSH, BW190MT-06 REV SEAT BASE	1818947
ⓐ 04	1	EA	BASE, HDPE BW190MT-06 REV SEAT SEAFM	1833091
05	1	EA	CUSH, BW190MT-06 REV SEAT B/R	1818948
06	2	EA.	BRACKET, BWDA-01 REV SEAT SS/DELRIN	1566280
07	11	FT	TRIM, EDGE WHITE FLEX U-TRIM	1020965
08	1	EA	LATCH, DRAW SOFT-LATCH 4"	1364058
09	2	EA	PLATE, BWDA-01 REV SEAT SS	1566272
10	8	EA	SNAP STUD, W/#8 X 3/8" PH BR/NI/SS	0203786
11	4	EA	SCREW, MACH 1/4-20 x 1" PPH SC	1008580
12	16	EA	WASHER, FLAT #1/4" SC	1260769
13	2	EA	SCREW, MACHINE #8-32 X 3/4" PTH SC	1010735
14	16	EA	NUT, LOCK 1/4-20 SC STD PATT	1009786
ⓓ 15	8	EA	SCREW, MACHINE #10-24 X 7/8" POH SC	1008457
ⓐ 16	10	EA	WASHER, FLAT #10 SC	1260751
ⓐ 17	10	EA	NUT, HEX NYLON LOCK #10-24 SC	1007772
18	2	EA	WASHER, FLAT #8 SC	1326297
19	2	EA	NUT, LOCK 8-32 SC	1009927
20	1	EA	SCREW, TAPPING #10 X 1" POH SC	1008507
ⓐ 21	11	EA	TAPPING #6A X 3/4" PFH SC	1010370
ⓓ 22	12	EA	SCREW, MACHINE #1/4-20 X 1.25" PFH SC	1213289
23	12	EA	WASHER, FINISH #12 SS	0958868
24	4	EA	BRACKET, BW-97 ALUM 1/4" x 2" x 2" x 12"	1030428
ⓓ ⓐ 25	2	EA	MACHINE #10-24 X 3/4" PTH SC	1008705



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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.X = ± .1 .XX = ± .03 X/X = ± 1/16  
DO NOT SCALE DRAWING

DRAWN: HAL READ

DATE: 12/12/05

SCALE: NONE

BOAT MODEL

MOLD NO.

190MT

22K02700

DWG. TITLE:

REVERSIBLE PILOT SEAT SUB-ASSY

INIT. REL. ECN NO:

DWG. NO:

051039

09251

SHT. NO.

2 of 2

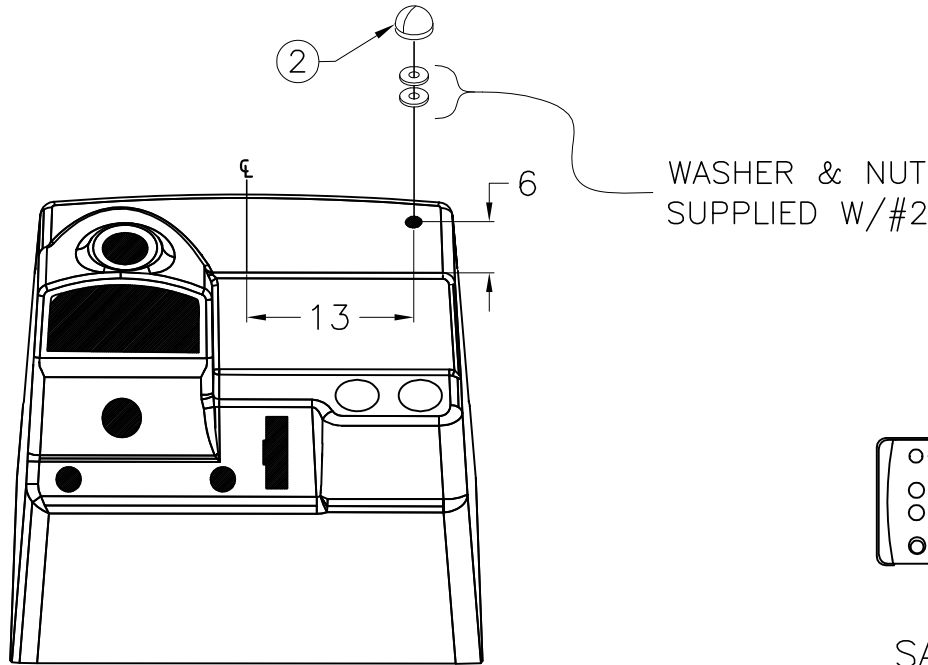
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DWG. NO: 08601 REV. B CURRENT ECD 09066034

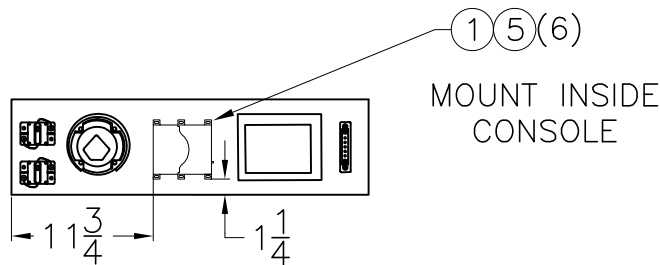
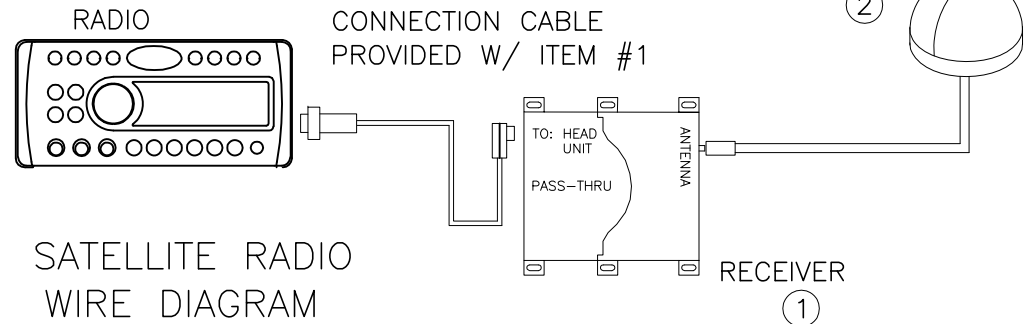
NOTES:

1. ITEM 3&4 TO BE PLACED IN OWNER'S BAG

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
B	#1 WAS P/N 1847461	BH	7/4/09	RW	09066034



# SATELLITE RADIO (OPTION: 100-75669)



SATELLITE RADIO WIRE DIAGRAM

## PARTS LIST

ITEM	QTY.	U/M	DESCRIPTION	B.W.I. NO.
1	1	EA.	STEREO, SIRIUS SATELLITE RCVR SCC1BL-6MO	1967759
2	1	EA.	ANTENNA, SHAKESPEARE SATELLITE RADIO ANTENNA	1757933
3	1	EA.	PACKET, SIRIUS WELCOME KIT	1766115
4	1	EA.	DECAL, SIRIUS "NOW PLAYING INSIDE"	1806416
5	6	EA.	SCREW, TAPPING #8A X 1/2" PTH SC	1008812

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1 .XX = ± .03  
 .XX = ± .03 X/X = ± 1/16  
 DO NOT SCALE DRAWING

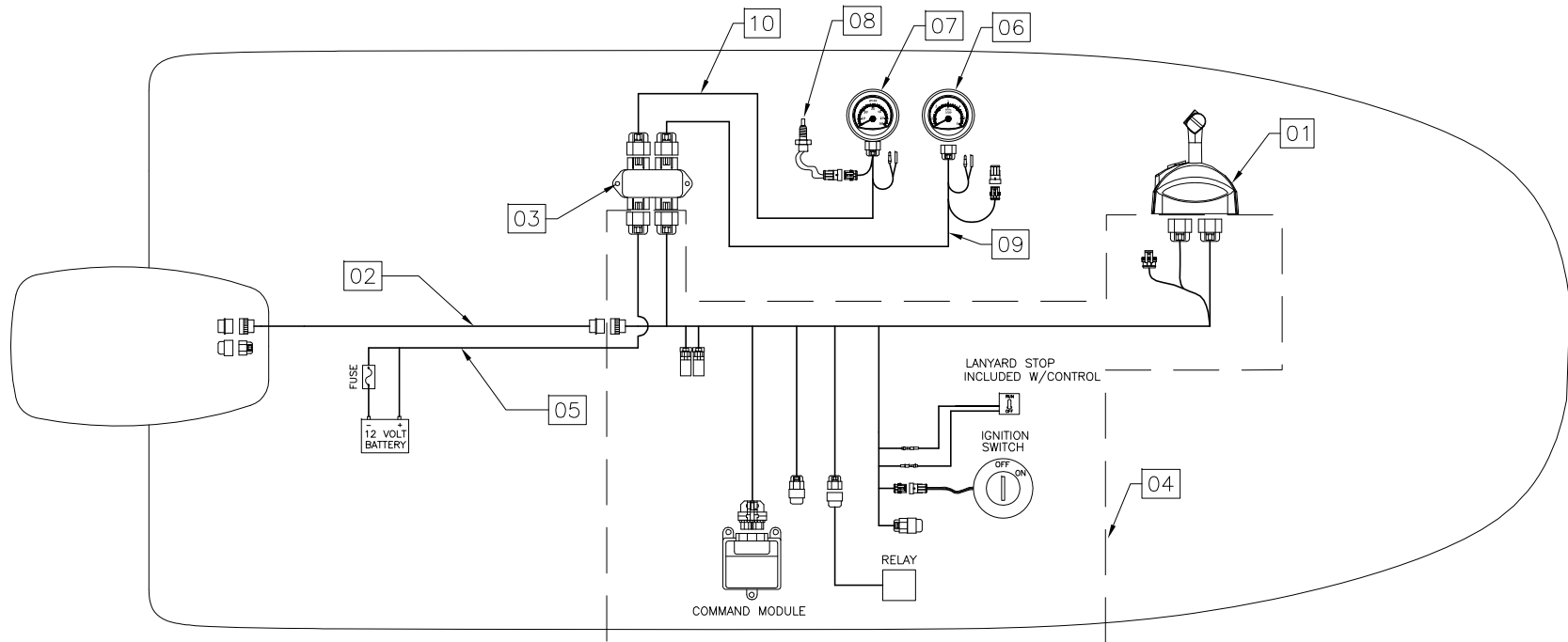


CHECKED: N, ABDALIAN	DATE: 6/19/06	DRAWN: S. HIESTER	DATE: 6/19/06	SCALE: NONE	BOAT MODEL 190MT07	MOLD NO.	
APPD: KR	DATE: 6/20/06	DWG. TITLE: SATELLITE RADIO			INIT. REL. ECN NO: 060565	DWG. NO: 08601	SHT. NO. 1 of 1
DESIGN: VPK	DATE: 6/20/06						
INT. ENG: MG	DATE: 6/20/06						

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DWG. NO: 07212	REV. B	CURRENT ECD 09045906
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REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
A	DELETED OPTION 020-70283	RJW	06/22/07	RA	07054322
B	MYE-"10", REPLACED OPT:020-70277 W/OPT:02070278, SHT 1	SLJ	06/22/09	RW	09045906



BILL OF MATERIALS				
ITEM	QTY.	U/M	DESCRIPTION	B.W.I. NO.
01	1	EA	CONTROL, CNSL MNT SLIM DTS N/HARNESS '06	1802837
02	1	EA	HARNESS, ENG MERC DATA 14-PIN 20'	1772365
03	1	EA	ACC PART, MERC S-CRFT JUNC BOX 4-WAY	1507326
04	1	EA	ACC PART, MERC SLIM CNSL CMM KIT GEN I	1849604
05	1	EA	HARNESS, MERC HELM POWER	1740394
06	1	EA	SYSTEM TACHOMETER	----
07	1	EA	SYSTEM SPEEDOMETER	----
08	1	EA	MERCURY AIR TEMP SENSOR	----
09	1	EA	TACH HARNESS SC1000-SL-3'	----
10	1	EA	SPEEDO HARNESS SC1000-3'	----

OPT. 020-70278 O/B, MERC 150 XL VERADO 4-STROKE (DTS) 25"SHAFT SW  
 (A)(B)

**WARNING!**

CORRECT INSTALLATION AND LOCATION OF THE TERMINATOR RESISTORS ARE CRITICAL FOR PROPER SYSTEM FUNCTION. IMPROPER INSTALLATION MAY RESULT IN COMMUNICATION ERRORS.

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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 .X = ± .1 .XX = ± .03  
 X = ± 1/16  
 DO NOT SCALE DRAWING



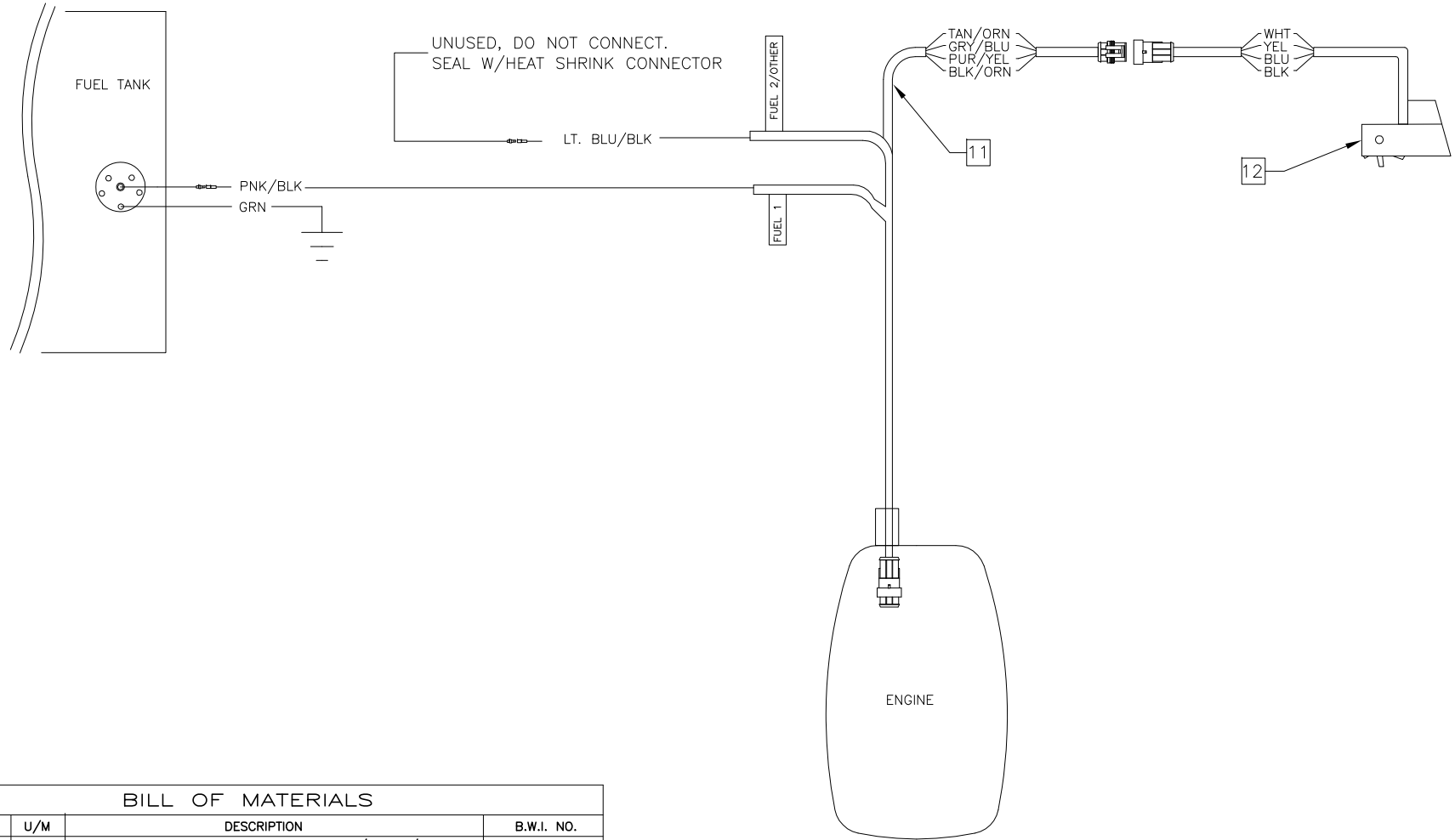
CHECKED:	DATE:	DRAWN: R. WITT	DATE: 05/17/07	SCALE: NONE	BOAT MODEL	MOLD NO.
APPD: RA	DATE: 06/19/07	DWG. TITLE:			190MT	
DESIGN:	DATE:	DIAGRAM, SMARTCRAFT W/DTS			INIT. REL. ECN NO:	DWG. NO:
INT. ENG:	DATE:				07054322	07212
					SHT. NO.	1 of 2

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DWG. NO:  
07212

REV.  
B

CURRENT ECD  
09045906



BILL OF MATERIALS

ITEM	QTY.	U/M	DESCRIPTION	B.W.I. NO.
11	1	EA	HARNES, ENG MERC DIGITAL OIL/FUEL/PADDLE	1477934
12	1	EA	ACC PART, MERC SPEEDOMETER/TEMP DIG	1477942



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5  
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
.X = ± .1 .XX = ± .03 X/X = ± 1/16  
DO NOT SCALE DRAWING

DRAWN: R. WITT

DATE:05/17/07

SCALE: NONE

BOAT MODEL

MOLD NO.

190MT

DWG. TITLE:

DIAGRAM, SMARTCRAFT W/DTS

INIT. REL. ECN NO:

DWG. NO:

SHT. NO.

07054322

07212

2 of 2

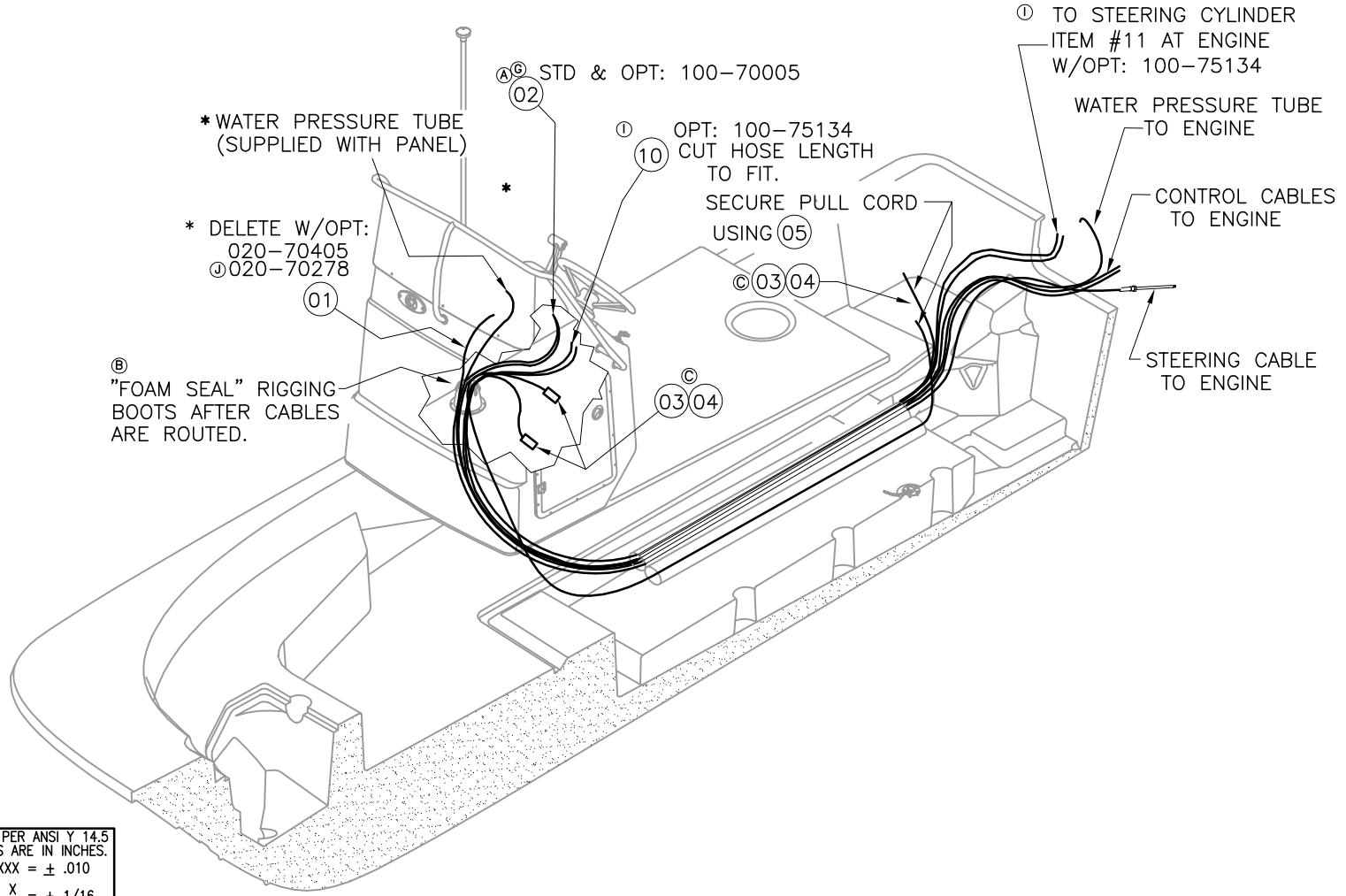
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DWG. NO:	REV.	CURRENT ECD
10401	K	09086155

NOTES:

1. CONNECT CABLES IN ACCORDANCE W/MANUFACTURERS INSTALLATION SHEETS.
2. CABLES TO BE SECURED SEPARATELY FROM ELECTRICAL & FUEL LINES.
3. ROUTE CABLES AND SMALL HOSES IN A MANNER TO AVOID TWISTS OR KINKS.
4. MIN. BEND RADIUS FOR CABLES IS 12"
5. REFER TO DWG. 09-201 FOR CONSOLE SUB-ASSY
6. SEE DWG. 01-300 FOR TIE CABLES P/N & STANDARDS.

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
J	MYE*10", DELETED OPT:020-70277, ADDED OPT:020-70278	SLJ	06/22/09	RW	09045906
K	ADDED FUEL ELBOWS TO DWG P/N 1790999	DC	09/01/09	AVR	09086155



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING



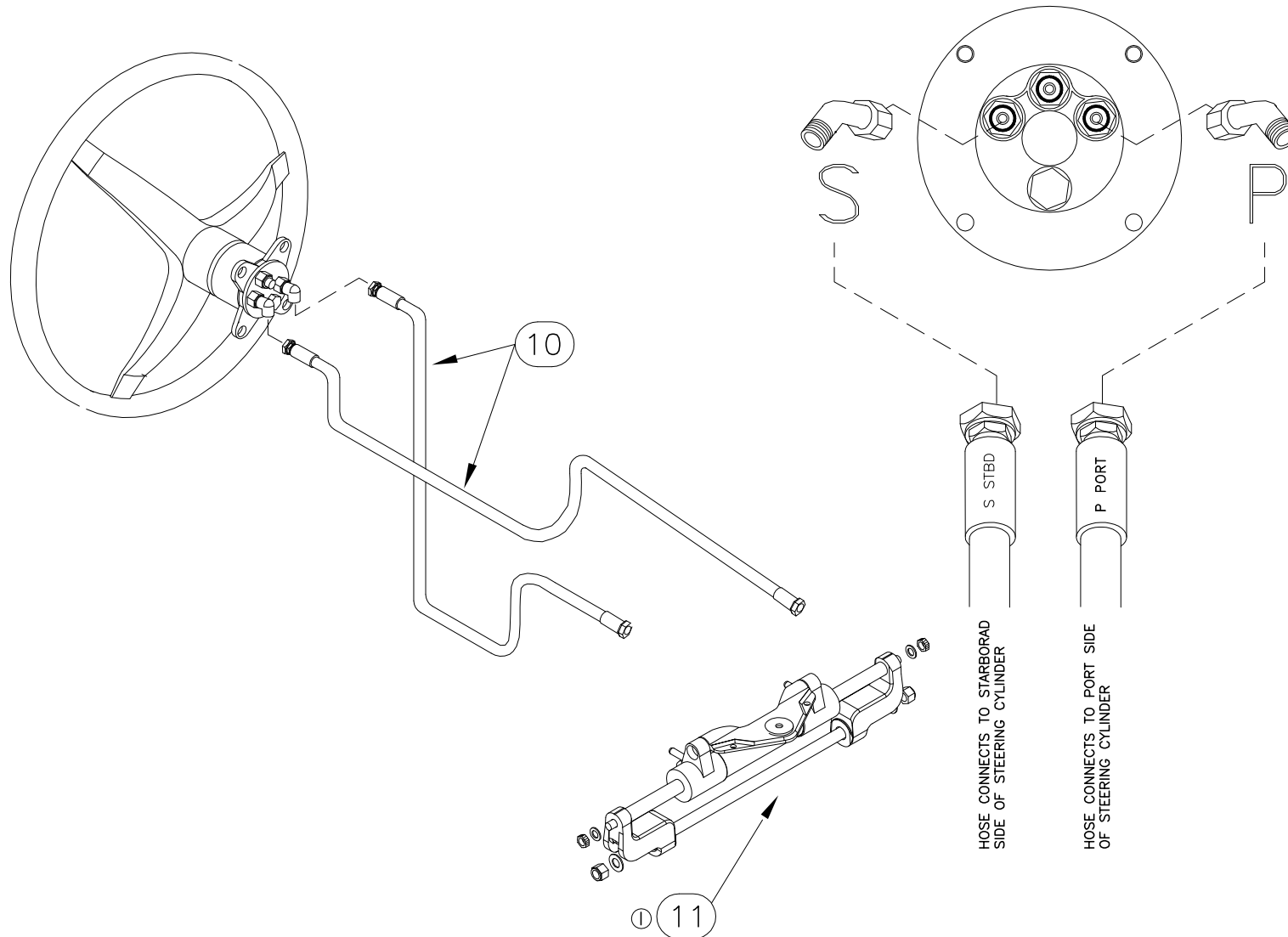
CHECKED: A.DALE	DATE: 1-09-06	DRAWN: S HIESTER	DATE: 01-09-06	SCALE:	BOAT MODEL 190MT	MOLD NO.
APPD: KR	DATE: 1-09-06	DWG. TITLE: STEERING & THROTTLE CABLE INSTALLATION			INIT. REL. ECN NO: 051039	DWG. NO: 10401
DESIGN: VPK	DATE: 1-10-06	INT. ENG: MG	DATE: 1-10-06		SHT. NO. 1 OF 3	

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DWG. NO:  
10401

REV.  
K

CURRENT ECD  
09086155



OPT: 100-75134 HYDRAULIC STEERING



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
TOLERANCES: ANGLES =  $\pm .5^\circ$  .XXX =  $\pm .010$   
.X =  $\pm .1$  X =  $\pm 1/16$   
.XX =  $\pm .03$   
DO NOT SCALE DRAWING

DRAWN: S HIESTER DATE: 01-09-06 SCALE: NONE  
DWG. TITLE: Steering/Throttle System Installation

BOAT MODEL  
190MT  
INIT. REL. ECN NO:  
051039

MOLD NO.  
DWG. NO:  
10401

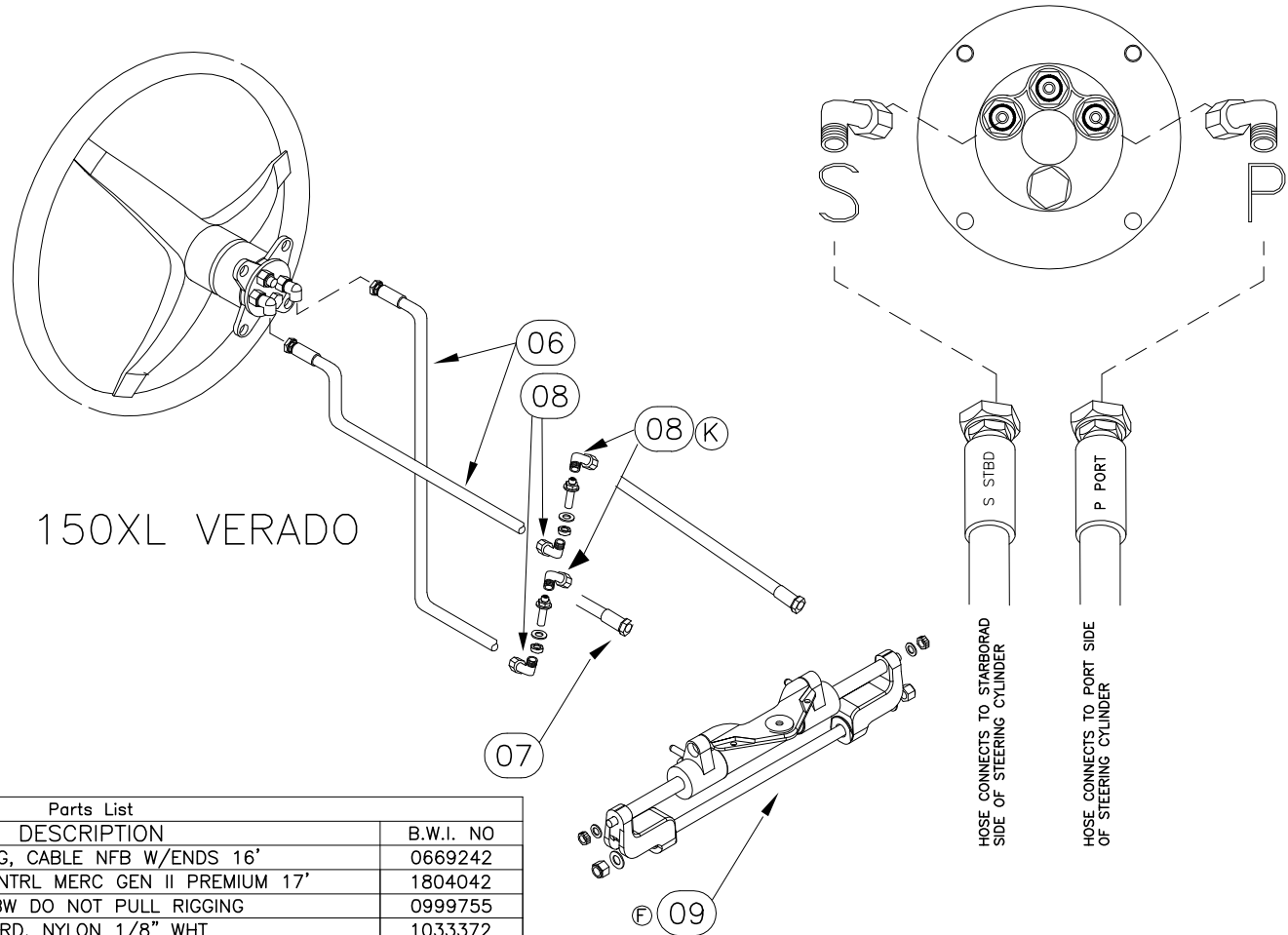
SHT. NO.  
2 OF 3

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DWG. NO:  
10401

REV.  
K

CURRENT ECD  
09086155



ⓐOPT: 020-70278, 150XL VERADO

Parts List				
ITEM	QTY	U/M	DESCRIPTION	B.W.I. NO
	1	EA.	STEERING, CABLE NFB W/ENDS 16'	0669242
ⓐⓑⒸⒹ	2	EA.	CABLE, CNTRL MERC GEN II PREMIUM 17'	1804042
Ⓒ	4	EA.	TAG, BW DO NOT PULL RIGGING	0999755
Ⓒ	4	35 FT.	CORD, NYLON 1/8" WHT	1033372
ⓗⒸ	5	6 EA.	TIE, CABLE 11" MED-NYLON BLK	0157321
Ⓔ	6	1 EA.	STEERING, O/B HOSE KIT CYL/HELM 16' W/2 HOSES	1778946
Ⓔ	7	1 FT.	STEERING, O/B HOSE KIT CYL/HELM 2' W/2 HOSES	1775376
ⓀⒺ	8	4 EA.	STEERING, ELBOW BR 9/16" ORFS FEMALE X MALE	1790999
Ⓕ	9	1 EA.	STEERING, CYLINDER HYD/PS L4SC/L4NA/OPTI	1901512
Ⓖ	10	2 EA.	STEERING, HOSE KIT, HYD - BAYSTAR	1842047
Ⓖ	11	1 EA.	STEERING, CYLINDER, BAYSTAR COMPACT (NON-YAMA)	1842009



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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 .X = ± .1 X = ± 1/16  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING

DRAWN: S HIESTER

DATE: 01-09-06

SCALE: NONE

BOAT MODEL

190MT

MOLD NO.

DWG. TITLE:

Steering/Throttle System Installation

INIT. REL. ECN NO:

051039

DWG. NO:

10401

SHT. NO.

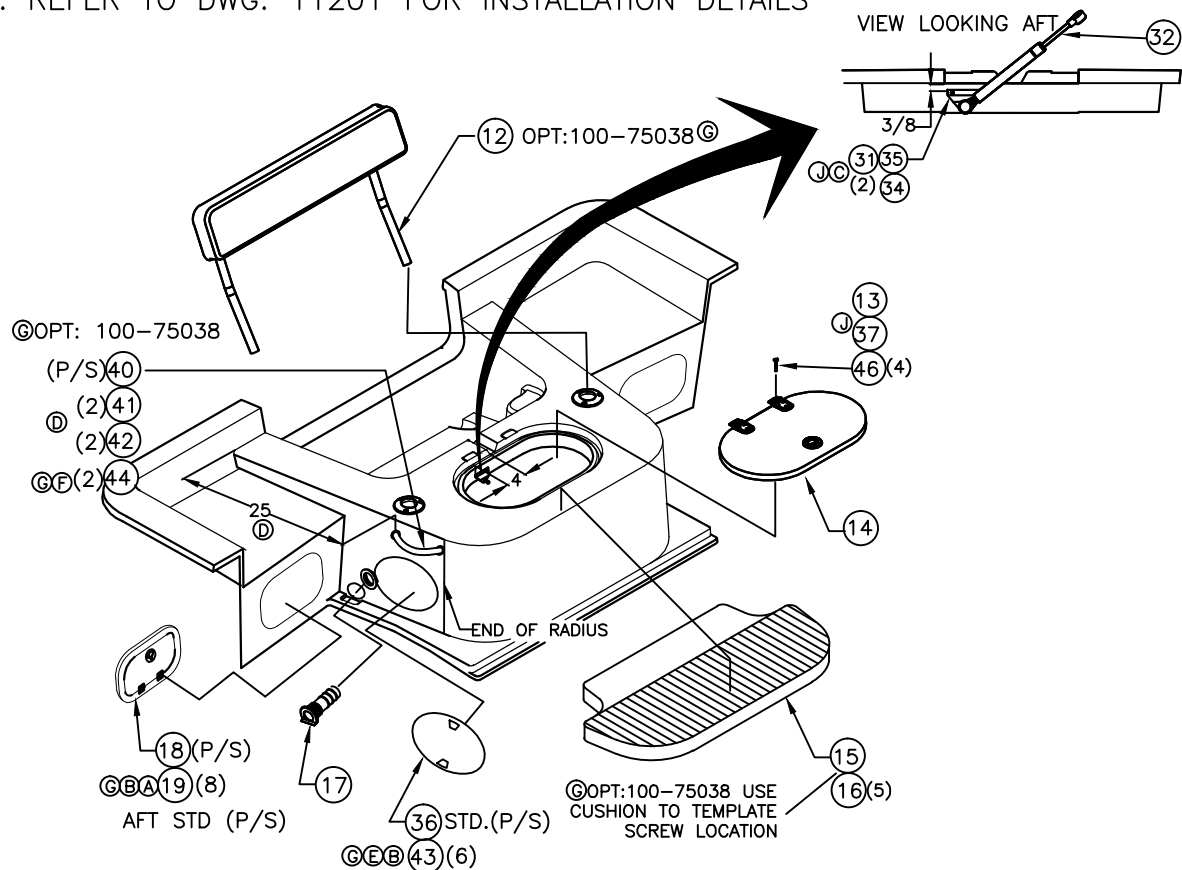
3 OF 3

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DWG. NO: 09101  
 REV. T  
 CURRENT ECD 11108081

- NOTES:
1. APPLY WHITE SILICON SEALANT TO ALL COMPONENTS DURING INSTALLATION
  2. REFER TO DWG. 05131 FOR LAMO DETAILS
  3. REFER TO DWG. 16131 FOR HOLE CUT & TRIM DETAILS
  4. REFER TO DWG. 11201 FOR INSTALLATION DETAILS

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
O	MYE'10: ADDED SHEET 3, #'S 50, 51; QTY #05 WAS 6.	SBL	09/10/09	RW	09076071
P	CHANGE PT # OF ITEM 50 FROM 1972769 TO 1972469	SG	03/15/10	MAE	10036658
R	CHANGE PT # OF ITEM 2 FROM 1971016 TO 2063726	SG	10/11/11	JK	11067857
S	CHANGE HYDRAULIC STEERING FROM MERC TO TELEFLEX OPT 020-70278 & 100-70401	JSD	11/14/11	JK	11118097
T	ADD NOTE FOR OPT 020-00555	JSD	2/24/12	JK	11108081



PARTS LIST				B.W.I. NO
ITEM	QTY	U/M	DESCRIPTION	
1	1	EA.	DECK PLATE, GAS CHR W/VENT (SHIM ONLY)	1098615
2	1	EA.	DECK FILL, GAS CHR PRV STR W/1.5" BARB EVAPEPA	2063726
3	4	EA.	SCREW, TAPPING #8A X 1" PPH SC	1213115
4	2	EA.	ROD HOLDER, FLUSH MNT SS W/BW-05 LOGO	1799571
5	22	EA.	SCREW, MACHINE #1/4-20 X 1.5" POH SC	1010438
6	1	EA.	GROMMET, CABLE BOOT 3" BLK	1574839
7	1	EA.	BOOT, CABLE 3" BLK	1043223
8	1	EA.	BOOT, CABLE RING 3" BLK	1043330
9	6	EA.	SCREW, TAPPING #10A X 3/4" PTH SC	1008762
10	1	EA.	HATCH, UTILITY 12" X 16" WHT	1810635
11	14	EA.	SCREW, TAPPING #8A X 5/8" PPH SC	1010677
12	1	EA.	CUSH, BW190MT-06 STERN SEAT B/R W/HDWR	1816392
13	4	EA.	SCREW, TAPPING #10A X 1" POH SC	1008424
14	1	EA.	FIBERGLASS LIVEWELL LID	09416
15	1	EA.	CUSH, BW190MT-06 STERN SEAT BASE	1816391
16	5	EA.	SNAP STUD, W/#8 X 3/8" PH BR/NI/SS	0203786
17	2	EA.	THRU-HULL, PLAS 2" SHORT L-HEAD W/BARB	1760066
18	2	EA.	HATCH, UTILITY 9" X 14" POP OUT WHT	1831250
19	16	EA.	SCREW, MACHINE #10-24 X 3/4" PPH SC SELF-TAP	1781122
20	1	EA.	FIBERGLASS STERN DECK	22-K269-00
21	1	EA.	BAITWELL, AERATOR SPRAY HEAD ADJ	0858944
22	2	EA.	CLAMP, HOSE #10 1/2"-1 1/8" SS .505	0263954
23	4	EA.	COVER, CLAMP END PROT 1/2" L X.035" X.30" RED	830968
24	-	FT.	HOSE, WATER 3/4" BLK REINF PVC	1042100
25	1	EA.	LIGHT, COURTESY WATERPROOF FRONT MNT W/NUT	1078625
26	-	FT.	HOSE, WATER 1 1/8" BLK	1042076
27	2	EA.	CLAMP, HOSE #16 3/4"-1.5" SS .505	0256685
28	1	EA.	THRU-HULL, PLAS 1 1/8" TUBE X 90DEG WHT	1043371
29	1	EA.	DRAIN, STANDPIPE ONLY 7/8" X 12"	1583053
30	1	EA.	DRAIN, SCREEN ONLY 7/8" X 12"	1043348
31	1	EA.	BRACKET, LIFT CYL SS OFFSET W/STUD 2-HOLE	0995084
32	1	EA.	CYLINDER, GAS SS 30PSI 10" EXT X 7" COMP	1755819
33	4	EA.	SCREW, MACHINE #8-32 X 3/4" PTH SC	1010735
34	4	EA.	WASHER, FLAT #8 SC	1326297
35	4	EA.	NUT, HEX NYLON LOCK #8-32 SC	1260728
36	2	EA.	ACCESS PLATE, POLYPROP TWIST-OUT 5" WHT BWI	1016153
37	4	EA.	NUT, HEX NYLON LOCK #10-24 SC	1007772
38	4	EA.	NUT, HEX NYLON LOCK #1/4-20 SC	1007764
39	6	EA.	WASHER, FLAT #1/4" SC	1260709
40	2	EA.	RAIL, GRAB BAJA 8 5/8" SS W/STUD	1630342
41	4	EA.	WASHER, FLAT #5/16" SC	1260785
42	4	EA.	NUT, HEX #5/16-18 SC	1009687
43	26	EA.	SCREW TAPPING 10 X 24 X 1/2" PPH SC	1008655
44	4	EA.	LOCK WASHER 5/16"	153692
45	1	EA.	PLUG, BRASS 1" DRAIN TURN-TITE	133371
46	4	EA.	WASHER, FLAT #10 SC	1260751
47	2	EA.	STEERING, BLKHD 3/4" FITTING MALE TO MALE	1773917
48	1	EA.	FLANGE, RIGGING BOOT 2" BLK	1818344
49	1	EA.	STEERING, O/B HOSE KIT CYL/HELM 2" W/2 HOSES	1775376
50	1	EA.	TOW ARCH, ALUM BW190MT	1972469
51	2	EA.	ROD HOLDER, FLUSH MNT SS 90DEG W/CAP ATTWOOD	1799572

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1 .XX = ± .03  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING

CHECKED: A.DALE	DATE: 1-4-06	DRAWN: S HIESTER	DATE: 01-04-06	SCALE:
APPD: K. R.	DATE: 1-4-06	DWG. TITLE: STERN DECK - SUB-ASSY.		
DESIGN: V.P.K.	DATE: 1-5-06			
INT. ENG: M.G.	DATE: 1-5-06			

BOAT MODEL	MOLD NO.	INIT. REL. ECN NO:	DWG. NO:	SHT. NO.
190MT	22K26900	051039	09101	1 of 3





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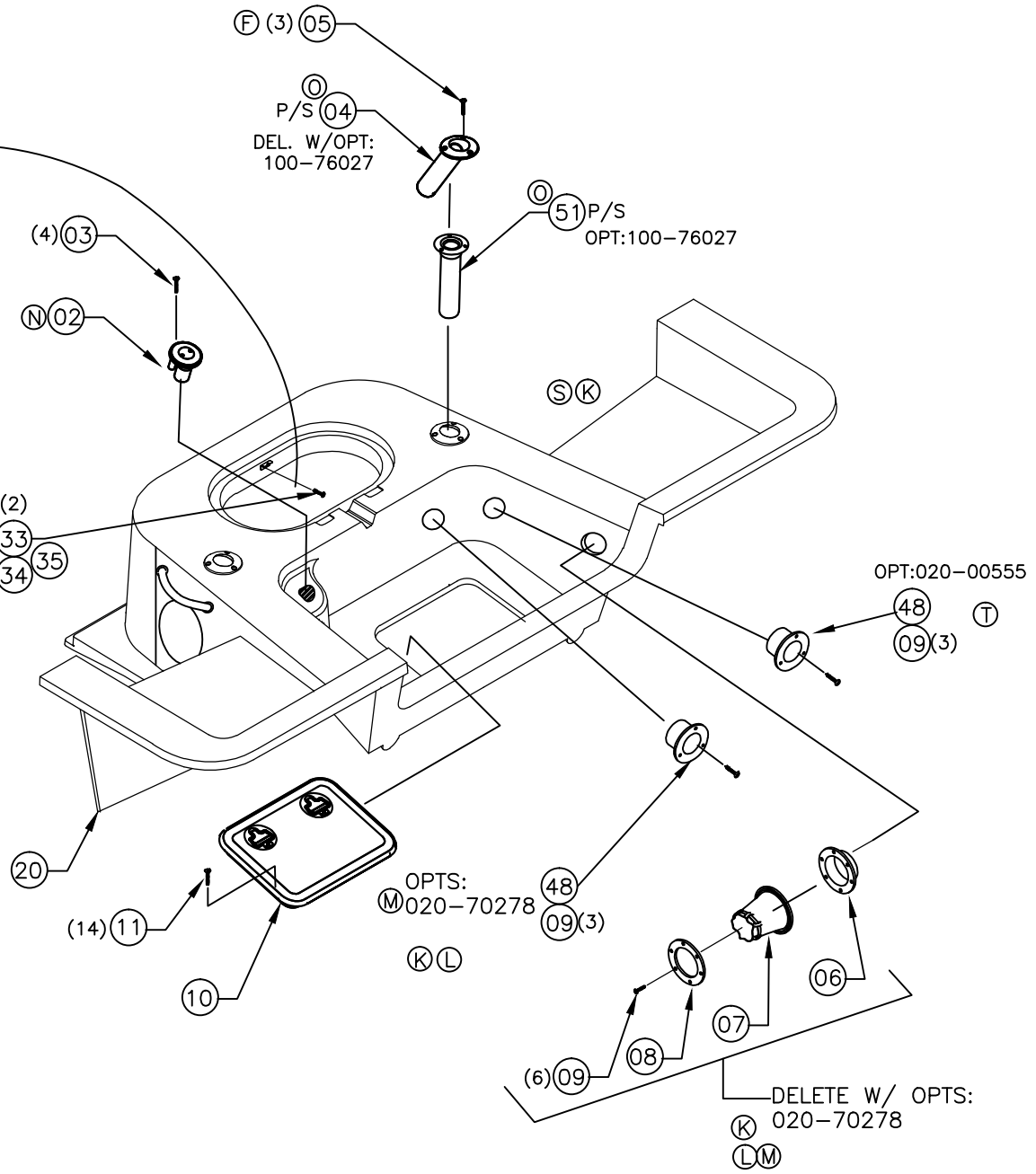
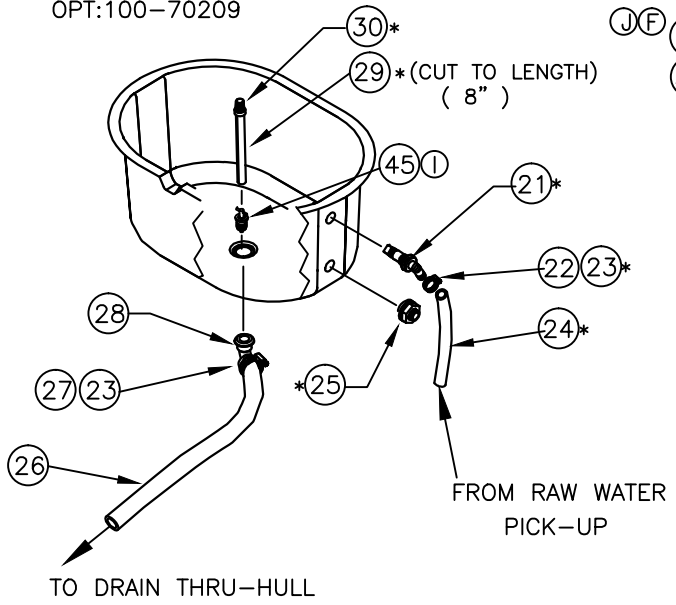
DWG. NO:  
09101

REV.  
T

CURRENT ECD  
11108081

### LIVEWELL BUCKET COMPONENTS

\* INSTALL W/  
OPT:100-70209



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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.X = ± .1  
.XX = ± .03    X/X = ± 1/16  
DO NOT SCALE DRAWING

DRAWN: S HIESTER    DATE: 01-04-06    SCALE:  
DWG. TITLE:  
STERN DECK SUB-ASSY.

BOAT MODEL  
190MT  
INIT. REL. ECN NO:  
051039

MOLD NO.  
22K26900  
DWG. NO:  
09101  
SHT. NO.  
2 OF 3

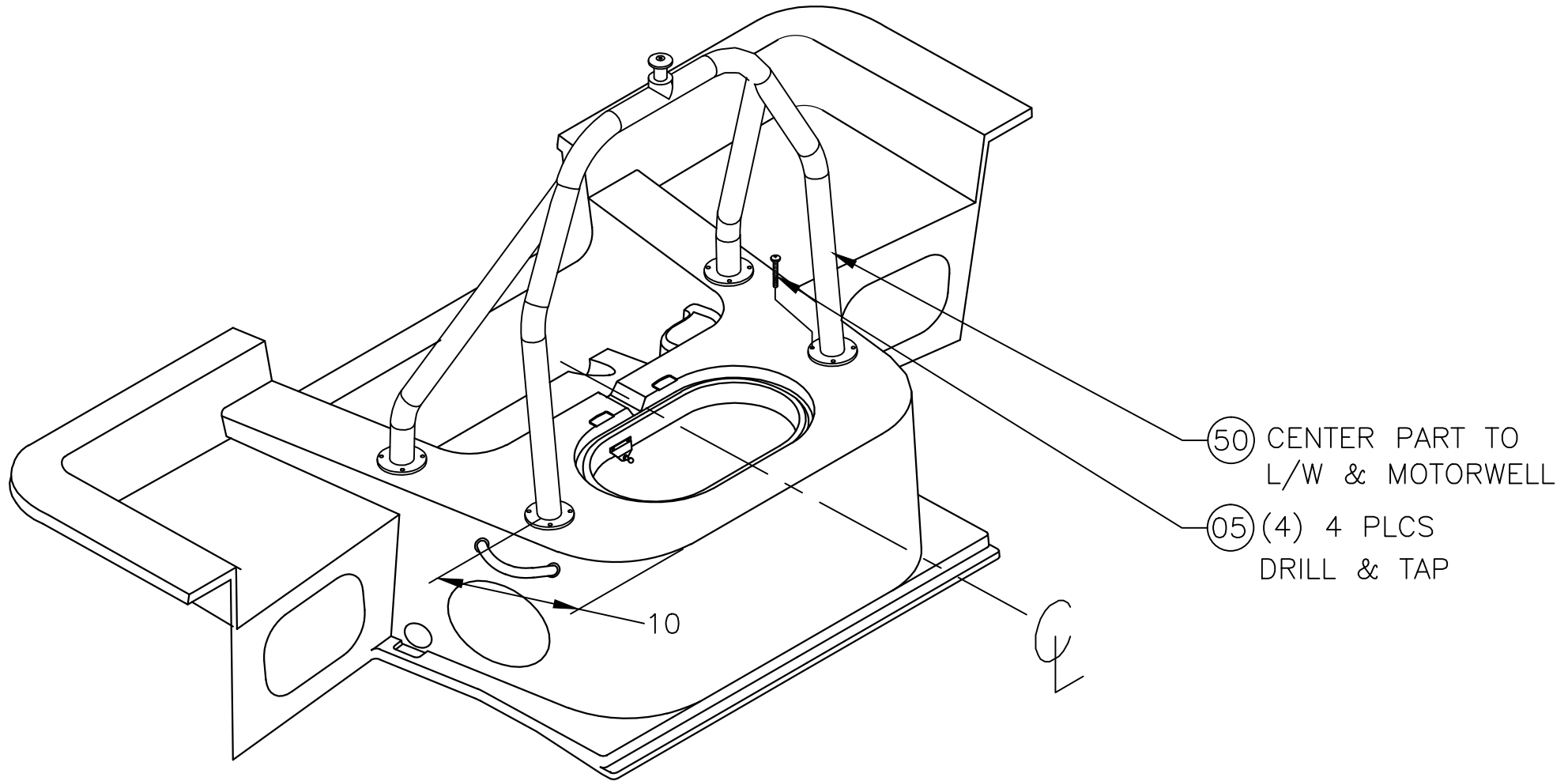
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DWG. NO:  
 09101

REV.  
 T

CURRENT ECD  
 11108081

OPT: 100-76027 ©  
 TOW ARCH



(50) CENTER PART TO  
 L/W & MOTORWELL  
 (05) (4) 4 PLCS  
 DRILL & TAP



INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5  
 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1 X = ± 1/16  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING

DRAWN: S HIESTER DATE: 01-04-06 SCALE:  
 DWG. TITLE:  
 STERN DECK SUB-ASSY.

BOAT MODEL  
 190MT  
 INIT. REL. ECN NO:  
 051039

MOLD NO.  
 22K26900  
 DWG. NO:  
 09101

SHT. NO.  
 3 OF 3

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DWG. NO:  
08405

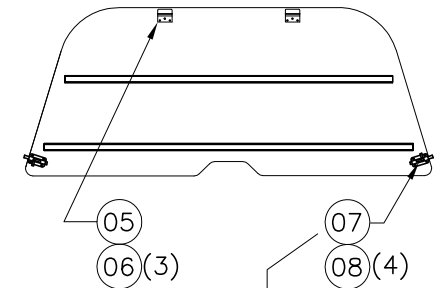
REV.  
-

CURRENT ECD  
051039

NOTES:

REV.		DESCR.	BY	DATE	APPVD.	ECN NO.
REVISIONS						

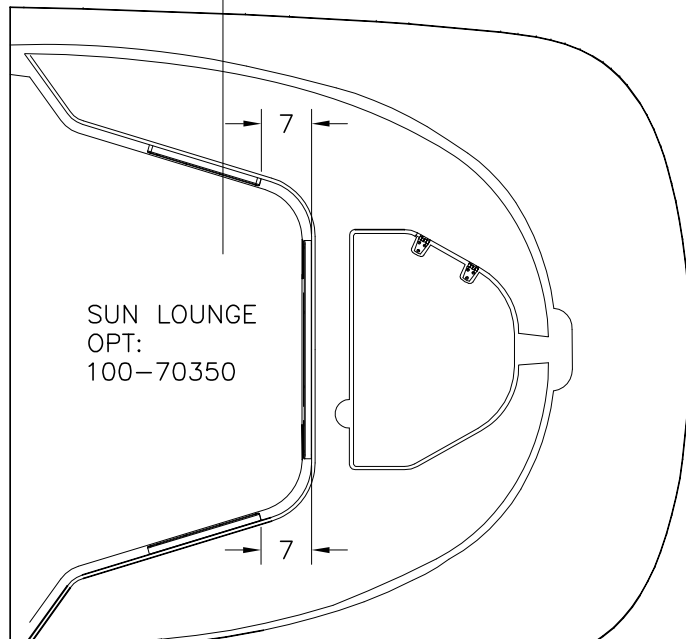
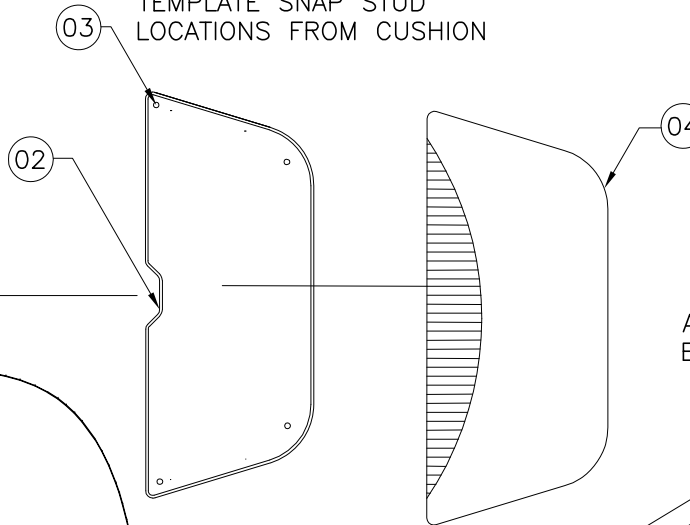
LOCATE MOUNTING HARDWARE FROM CLEATS



LOCATE MOUNTING HARDWARE FROM CLEATS

ALL CLEATS PLACED 1" BELOW EDGE, 3 PLCS.

03 TEMPLATE SNAP STUD LOCATIONS FROM CUSHION



SUN LOUNGE  
OPT:  
100-70350

### PARTS LIST

ITEM	QTY.	U/M	DESCRIPTION	B.W.I. NO.
1	12	EA.	SCREW, TAPPING #10 x 1.5" POH SC	1008515
2	1	EA.	FILLER, HDPE BW190MT-06 SUN LNG	1835607
3	4	EA.	SNAP STUD, W/#8 x 3/8" PH BR/NI/SS	0203786
4	1	EA.	CUSH, BW190MT-06 SUN LNGR FILR	1816394
5	2	EA.	BRACKET, OFFSET 180DA-02	1581628
6	6	EA.	SCREW, TAPPING #8A x 5/8" PTH	1010925
7	2	EA.	BOLT, BARREL SS SPRING LOADED	1206143
8	8	EA.	SCREW, TAPPING #8A x 5/8" POH SC	1213354

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
.X = ± .1 .XX = ± .03  
X = ± 1/16  
DO NOT SCALE DRAWING



CHECKED: A.DALE	DATE: 02/21/06	DRAWN: J.HALPIN	DATE: 02/21/06	SCALE: NONE	BOAT MODEL: 190MT	MOLD NO.
APPD: R.AVILA	DATE: 02/21/06	DWG. TITLE: SUN LOUNGE INSTALLATION			INIT. REL. ECN NO: 051039	DWG. NO: 08405
DESIGN: V.KNIGHT	DATE: 02/22/06				SHT. NO. 1	OF 1
INT. ENG: MG	DATE: 02/22/06					

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DWG. NO:

09406

REV.

A

CURRENT ECD

12078788

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.

REFER TO 21MTK PRINT 09406 FOR SWIM PLATFORM SUB-ASSY

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5  
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

TOLERANCES: ANGLES = ± .5° .XXX = ± .010

.X = ± .1

.XX = ± .03

$\frac{X}{X} = \pm 1/16$

DO NOT SCALE DRAWING

CHECKED:	DATE:	DRAWN: T.PERKINS	DATE: 08/22/12	SCALE: NONE	BOAT MODEL	MOLD NO.	
APPD: JK	DATE: 09/19/12	DWG. TITLE:			190MT	22K56000	
DESIGN:	DATE:	SWIM PLATFORM SUB-ASSY			INIT. REL. ECN NO:	DWG. NO:	SHT. NO.
INT. ENG:	DATE:				078788	09406	1 of 1

**BOSTON**  
**WHALER**

PRODUCT DEV. & MFG. ENGINEERING GROUP

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DWG. NO:  
09406

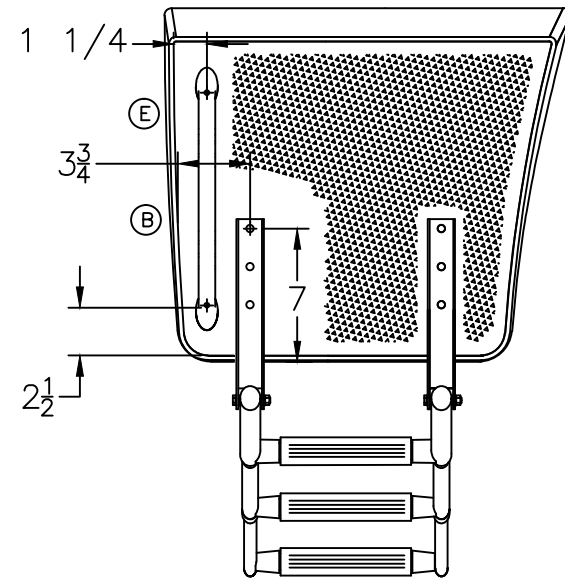
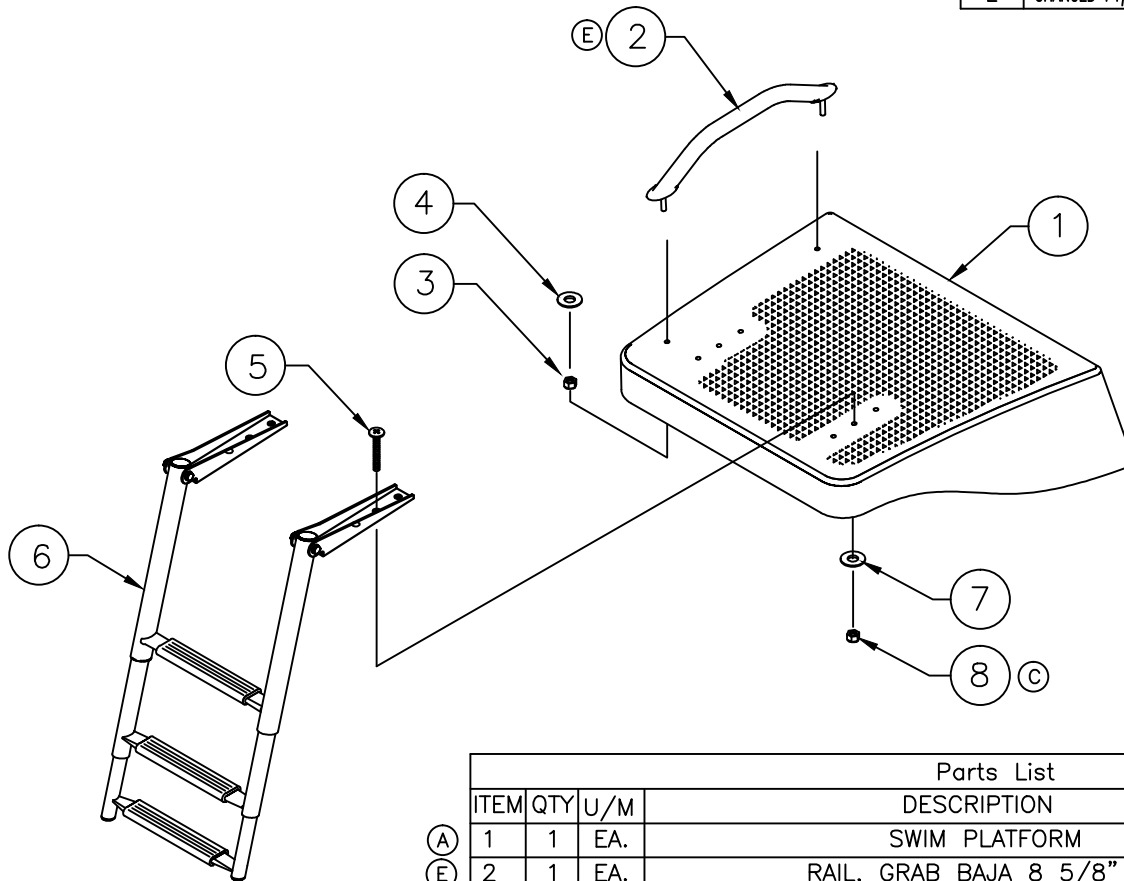
REV.  
E

CURRENT ECD  
09096191

1. USE FIXTURE FOR HOLE LOCATIONS, SEE DWG. 01-201.
2. ALL SCREWS TO BE INSTALLED w/WHITE URETHANE CAULK ON DRILLED HOLES.
3. SEE DWG. 05122 FOR LAMO DETAILS
4. SEE DWG. 16122 FOR TRIM & GRIND
4. SEE DWG. 06151 FOR INSTALLATION.

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
A	#1 MOLD NO. WAS 22K18900.	RD	12/15/05	VPK	051039
B	MOVED HAND RAIL DIMS TO PRINT 16122	SWH	2/28/06	VPK	051039
C	#8 WAS 1007764	SWH	5/26/06	AVM	0604144
D	REMOVED OPT:100-70335, SWIM PLATFORM NOW STD.	SBL	06/02/09	RA	09056013
E	CHANGED PT# 1008960 TO 1630342 CHANGED LAYOUT DIMENSIONS	SG	09/02/09	ST	09096191

PLANVIEW



Parts List					
ITEM	QTY	U/M	DESCRIPTION	B.W.I.	NO.
(A) 1	1	EA.	SWIM PLATFORM	22K27700	
(E) 2	1	EA.	RAIL, GRAB BAJA 8 5/8" SS W/STUD	1630342	
3	2	EA.	NUT, HEX NYLON LOCK 5/16-18 SC	1007814	
4	2	EA.	WASHER, FLAT 5/16" SC	1260785	
5	6	EA.	SCREW, MACHINE #1/4-20 X 1.75" PFH SC	1007889	
6	1	EA.	LADDER, SWIM 3-STEP TELESCOP W/10" BRACKET	1589696	
7	6	EA.	WASHER, FENDER 1/4"X 1.25" SC	1260678	
(C) 8	6	EA.	NUT, LOCK #1/4-20 SC STD PATT	1009786	

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
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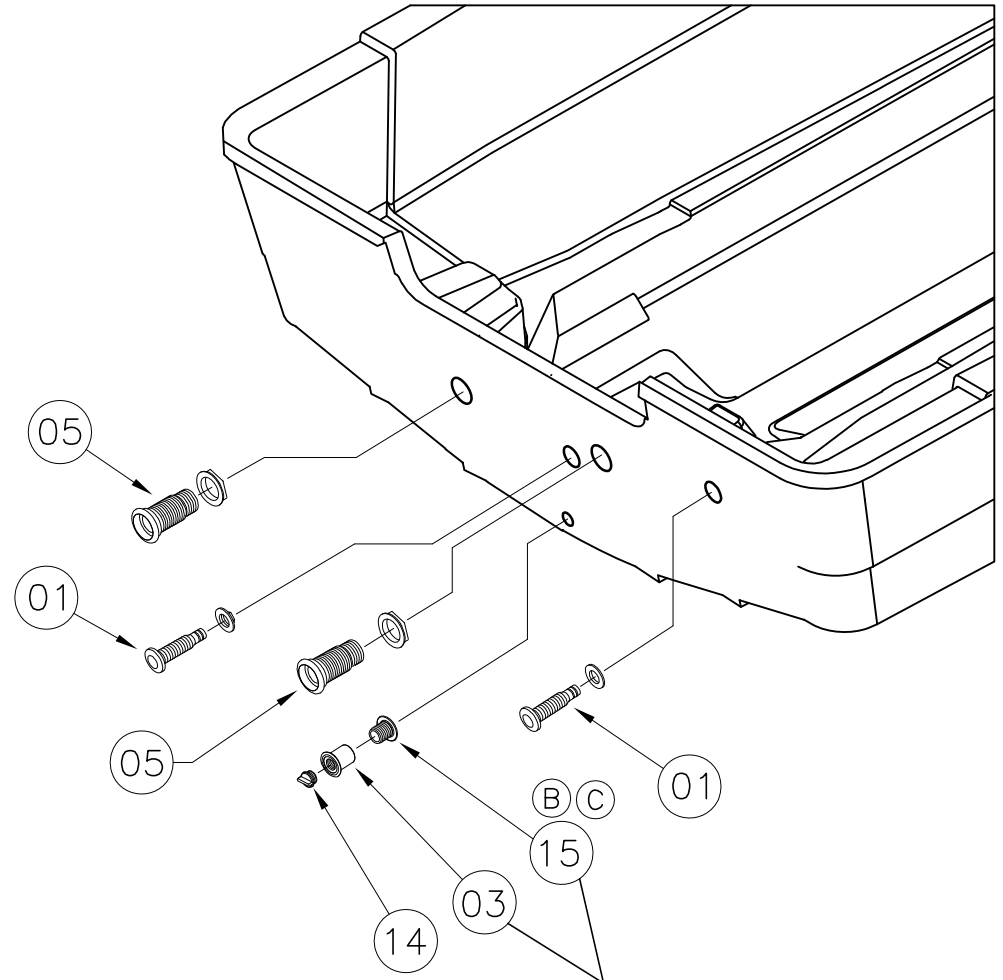
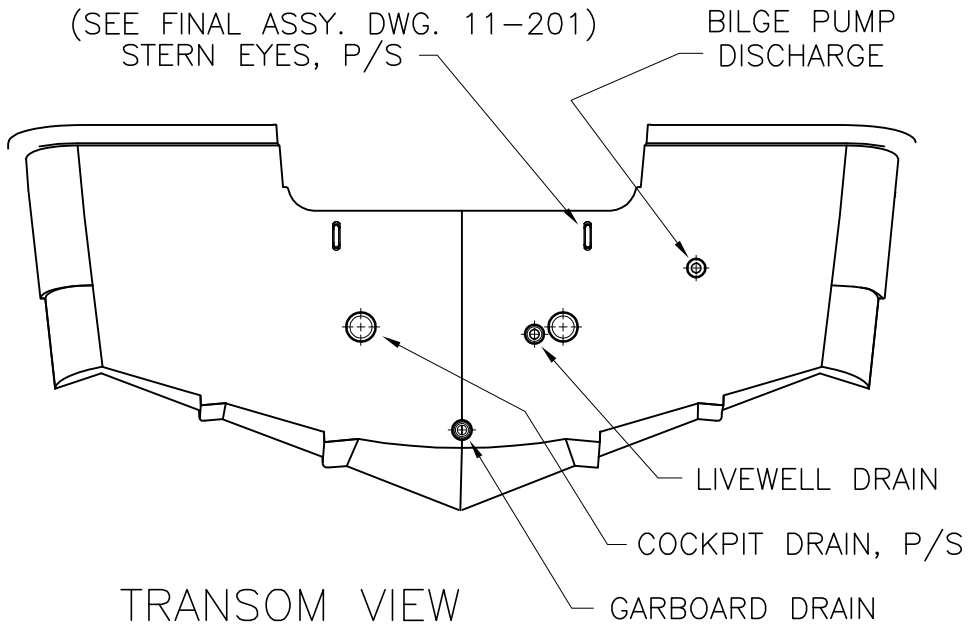
CHECKED: R. DURHAM	DATE: 12/14/05	DRAWN: HAL READ	DATE: 12/06/05	SCALE: NONE	BOAT MODEL	MOLD NO.
APPD: A. DALE	DATE: 12/14/05	DWG. TITLE: SWIM PLATFORM SUB-ASSY			190MT	22K27700
DESIGN: V. KNIGHT	DATE: 12/14/05	INIT. REL. ECN NO:	DWG. NO:	SHT. NO.	051039	09406
INT. ENG: M. GATICA	DATE: 12/14/05					1 of 1

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DWG. NO: <b>06101</b>	REV. <b>D</b>	CURRENT ECD <b>09015702</b>
--------------------------	------------------	--------------------------------

- NOTES:  
 1- APPLY URETHANE SEALANT AT TIME OF INSTALLATION  
 2- REFER TO DWG. 03101 FOR LAMO DETAILS  
 3- REFER TO DWG. 16501 FOR HOLE CUT & TRIM DETAILS

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
A	ADD NOTES PAGE 2	JFH	01/20/06	VPK	051039
B	#2 WAS #1806031	AT	02/21/06	VPK	051039
C	ADDED ITEM #15, 1806031; ITEM 2 QTY WAS 2	AT	02/24/06	VPK	051039
D	ADDED ITEM #16, 1260801 TO DWG	TJ	2/25/09	AVR	09015702



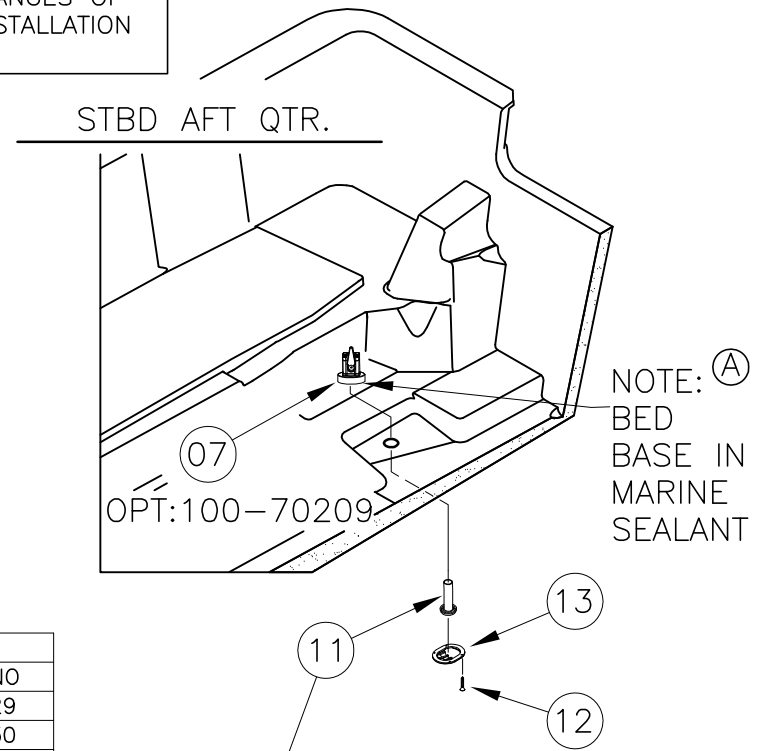
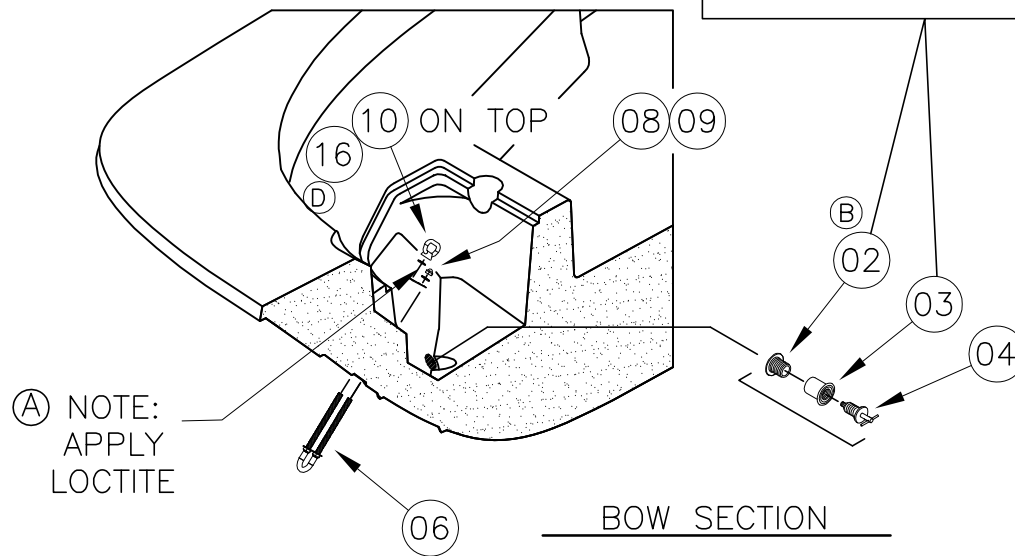
NOTE:  
 APPLY SIKAFLEX TO ALL MALE THREADS AND UNDER FLANGES OF ITEMS 3 & 15 DURING INSTALLATION

INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y 14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.  
 TOLERANCES: ANGLES = ± .5° .XXX = ± .010  
 .X = ± .1 .XX = ± .03  
 X = ± 1/16  
 DO NOT SCALE DRAWING



CHECKED: H.WOOD	DATE: 01/14/06	DRAWN: S HIESTER	DATE: 1/13/06	SCALE:	BOAT MODEL 190MT	MOLD NO.
APPD: K.RANIERI	DATE: 01/14/06	DWG. TITLE: THRU-HULL INSTALLATION			INIT. REL. ECN NO: 051039	DWG. NO: 06101
DESIGN: V.KNIGHT	DATE: 01/16/06				SHT. NO. 1 OF 2	
INT. ENG: M.GATICA	DATE: 01/16/06					

NOTE:  
APPLY SIKAFLEX TO ALL MALE  
THREADS AND UNDER FLANGES OF  
ITEMS 2 & 3 DURING INSTALLATION



CUT THRU-HULL SO 1"  
IS EXPOSED ABOVE HULL  
OPT:100-70209 LIVEWELL.

Parts List				
ITEM	QTY	U/M	DESCRIPTION	B.W.I. NO
1	2	EA.	THRU-HULL, PLAS 1 1/8"X 4.75" W/NUT WHT	1816729
(C)(B) 2	1	EA.	THRU-HULL, MARELON BW-06 LONG MALE	1806030
3	2	EA.	THRU-HULL, MARELON SHORT FEMALE	1806032
4	1	EA.	PLUG, BRASS 1" DRAIN TURN-TITE	133371
5	2	EA.	THRU-HULL, PLAS 2" SCUPPER SHORT	1760065
6	1	EA.	EYE, BOW 1/2"X 8 3/4" SS	1690181
7	1	EA.	PUMP, LIVEWELL TSUNAMI T800	1816853
8	1	EA.	WASHER, LOCK/SPLIT 1/2" SC	1326214
9	1	EA.	NUT, ACORN #1/2-13 SC	1662402
10	1	EA.	LIFT RING, BW-03 BOW EYE NUT 1/2" SS	1750950
11	1	EA.	VALVE, MARELON BALL 3/4" W/MUSHROOM THRU-HULL	1815493
12	4	EA.	SCREW, TAPPING #8A X 3/4" POH SC	1213057
13	1	EA.	STRAINER, MARELON 3/4" SCREEN ONLY	995589
14	1	EA.	PLUG, MARELON BW-06 DRAIN 1" W/GASKET	1806033
(C) 15	1	EA.	THRU-HULL, MARELON BW-06 SHORT, MALE	1806031
(D) 16	1	EA.	WASHER, FLAT #1/2" SC	1260801

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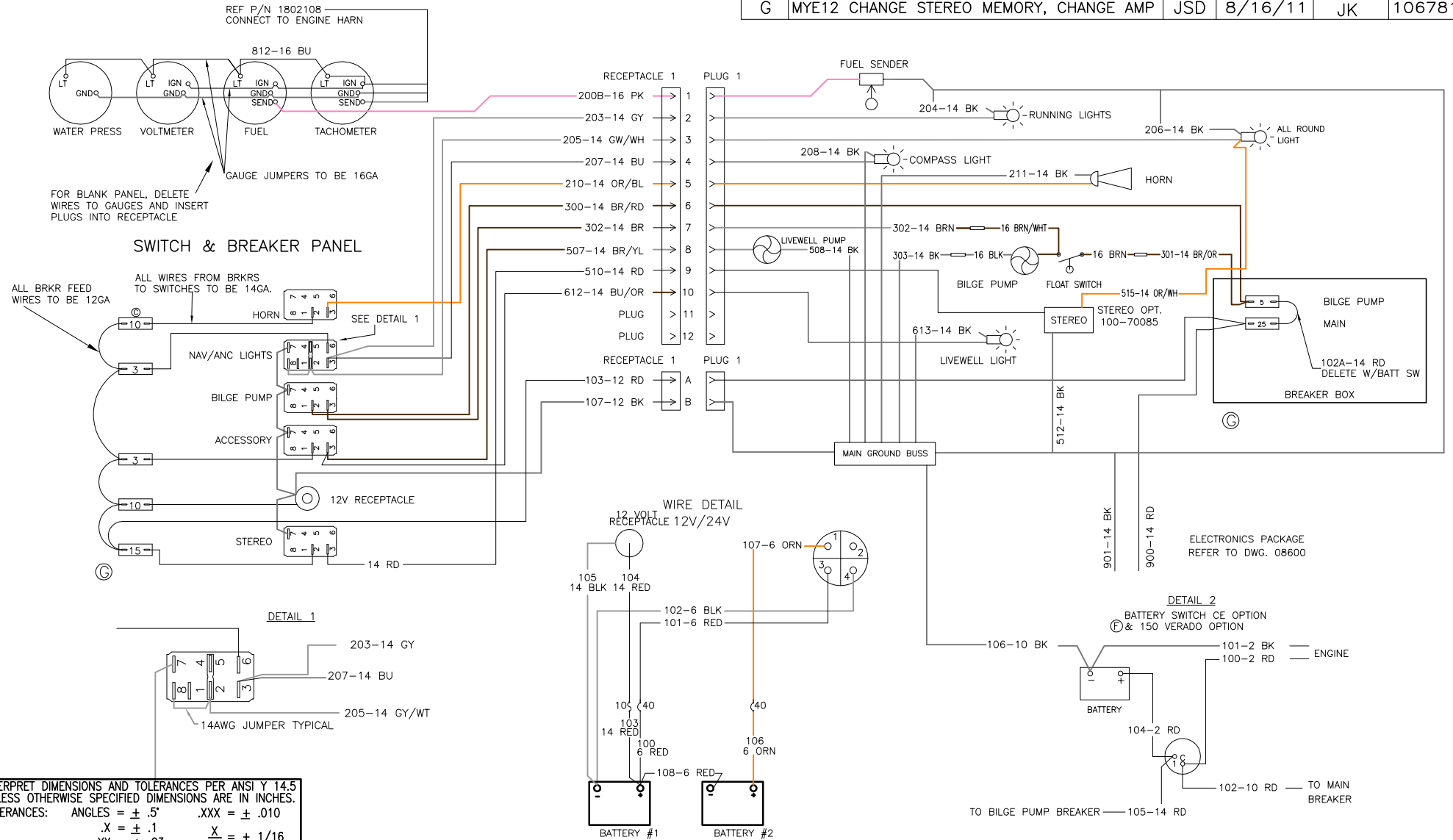
DWG. NO:  
07401

REV.  
G

CURRENT ECD  
11067816

- REF PANEL DRAWING FOR CONSTRUCTION DETAILS.
- ALL BREAKER TO BREAKER JUMPERS ARE 12 AWG RED. ⓐ AND BREAKER TO SWITCH JUMPERS ARE 14 AWG RED.

REVISIONS					
REV.	DESCR.	BY	DATE	APPVD.	ECN NO.
D	NOTE 2, 12 AWG WAS 12GA.	SBL	04/22/09	BL	09045908
E	ADDED 515-14 OR/WH	BH	7/4/09	RW	09066034
F	ADDED NOTE TO DETAIL 2	BH	7/4/09	RW	09045948
G	MYE12 CHANGE STEREO MEMORY, CHANGE AMP	JSD	8/16/11	JK	1067816



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 .X = ± .1 X = ± 1/16  
 .XX = ± .03 X = ± 1/16  
 DO NOT SCALE DRAWING



CHECKED:	R.AVILA	DATE:	01/20/06
APPD:	K.RANIERI	DATE:	01/23/06
DESIGN:	V.KNIGHT	DATE:	01/23/06
INT. ENG:	M.GATICA	DATE:	01/23/06

DRAWN: D HOY DATE: 12/08/05 SCALE: NONE  
 DWG. TITLE: WIRING DIAGRAM, BW190MT-06

BOAT MODEL  
190MT  
INIT. REL. ECN NO:  
051039

MOLD NO.  
DWG. NO:  
07401  
SHT. NO.  
1 OF 1