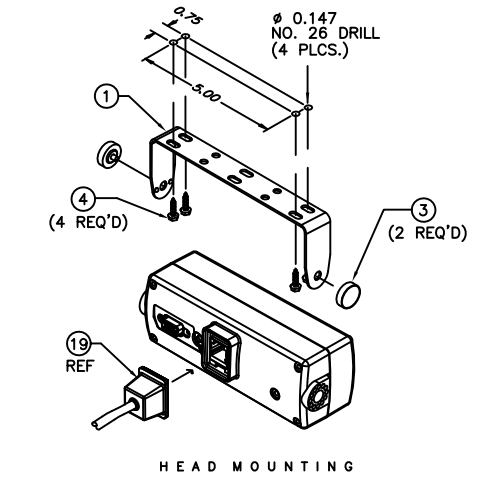
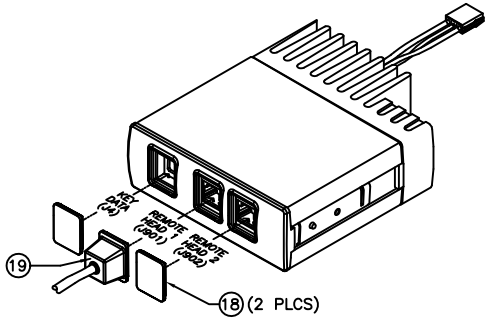
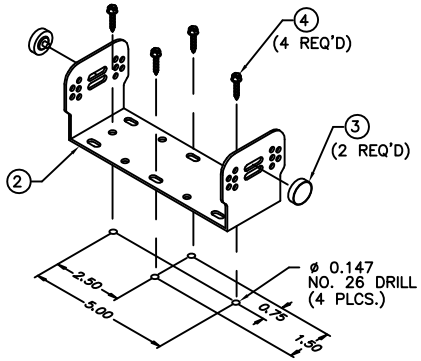
ZONE	LTR	REVISION				
		DRAWN BY:	CHK BY:	APPRD. BY:	EN:	DATE:
	A	J.F. Villanueva	—	Y.S. Villanueva	FR	02-14-06
		Formal Release				



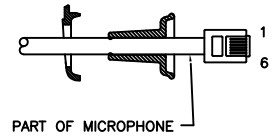
HEAD MOUNTING



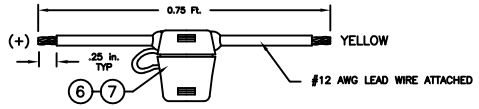


CORE MOUNTING

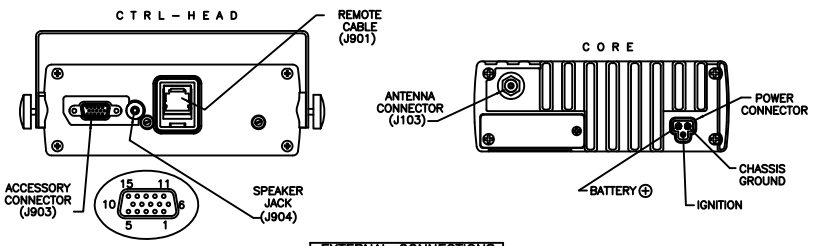
RECOMMENDED HOLE PATTERN



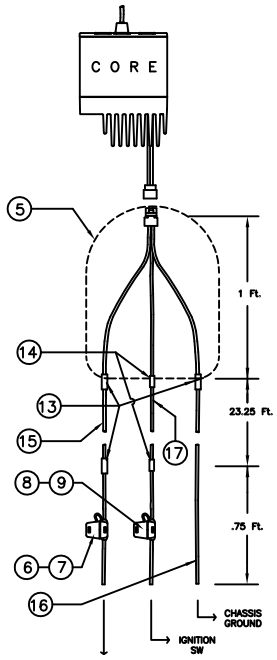
MIC CORD DETAIL



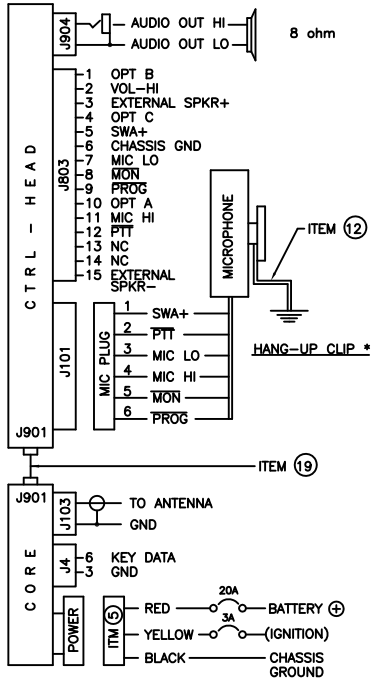
- INSTALL ABOVE FUSE HOLDER AS CLOSE TO VEHICLE BATTERY AS POSSIBLE.
- THE END TO BE SPLICED WITH THE RED WIRE ON ITEM 5 MUST HAVE INSULATION STRIPPED 3/4" AND HAVE THE EXPOSED WIRE FOLDED IN HALF BEFORE CRIMPING TO ITEM 13.



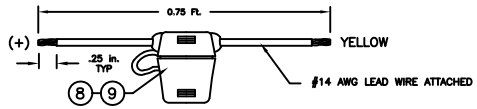
EXTERNAL CONNECTIONS



RECOMMENDED POWER CORD ASSEMBLY



SCHEMATIC



- INSTALL ABOVE FUSE HOLDER AS CLOSE TO VEHICLE IGNITION SWITCH AS POSSIBLE.
- THE END TO BE SPLICED WITH THE BLACK WIRE ON ITEM 5 MUST HAVE INSULATION STRIPPED 3/4" AND HAVE THE EXPOSED WIRE FOLDED IN HALF BEFORE CRIMPING TO ITEM 14.

FUSE HOLDER DETAIL

INSTALLATION KIT – PARTS INCLUDED

ITEM	PART NUMBER	DESCRIPTION	REMARKS
1	1400-30914-701	MOUNTING BRACKET, HEAD	—
2	1400-50703-401	MOUNTING BRACKET, CORE	—
3	2402-20015-200	MOUNTING KNOB	QTY 4
4	2837-10000-023	SELF TAPPING SCREW, #10	QTY 8
5	7011-30970-902	CABLE ASSY, POWER CORD, DMH-R	—
6	2100-30937-600	FUSE HOLDER, ATC, w/ 12GA LEAD	—
7	5106-30937-701	FUSE, BLADE, 20A, 32V, FAST ACTING	—
8	2100-30937-601	FUSE HOLDER, ATC, w/ 14GA LEAD	—
9	5106-30937-703	FUSE, BLADE, 3A, 32V, FAST ACTING	—
10	2105-50366-703	CONNECTOR, CABLE SHELL	NOT SHOWN
11	2105-50366-607	CONNECTOR, SUB-MINI, 15_PIN	NOT SHOWN
12	7011-20096-700[1]	GROUND WIRE, HANG-UP CLIP	NOT SHOWN
13	2107-30931-502	TERMINAL, BARREL-CRIMP, 8GA	QTY 3
14	2107-30931-503	TERMINAL, BARREL-CRIMP, 16-14GA	QTY 2
15	6080-30931-403[3]	WIRE, 8GA, RED	23 Ft.
16	6080-30931-404[3]	WIRE, 8GA , BLACK	24 Ft.
17	6016-30392-382[3]	WIRE, STRAND, 16GA, 600V, YELLOW	23 Ft.
18	1411-30975-101[4]	COVER, DUST/BLANKING	QTY 4
19	6006-30975-3XX[2]	CABLE ASSY, 8'/17'/25', DMH-R	—
20	7011-30974-000	CABLE ASSY, ADAPTOR, PWR CORD	NOT SHOWN
21	6006-30970-502	CABLE ASSY, RF, DMH, MINI-UHF	NOT SHOWN
22	7005-30975-500	INSTALLATION INSTRUCTION	THIS DWG

* IMPORTANT– READ BEFORE OPERATING MICROPHONE

1. THE MICROPHONE HANG-UP CLIP MUST BE GROUNDED FOR PROPER CODE GUARD OPERATION. USE GROUND WIRE (ITEM 12) IF NEEDED.
2. RADIO PROGRAMMING DIFFERS DEPENDING ON MICROPHONE MODEL USED:
   MICROPHONE MODEL # LAA 0285, LAA 0282
   THESE MICROPHONES SUPPLY A GROUNDED MONITOR SIGNAL WHEN IN THE HANG-UP CLIP. FOR PROPER OPERATION, THE RADIO MUST BE SET UP FOR "OFF-HOOK WHEN MONITOR HIGH". CONTACT YOUR BK RADIO DEALER FOR PROGRAMMING CHANGES.
   MICROPHONE MODEL # LAA 0276, LAA 0281
   THESE MICROPHONES SUPPLY AN OPEN MONITOR SIGNAL WHEN IN THE HANG-UP CLIP. FOR PROPER OPERATION, THE RADIO MUST BE SET UP FOR "OFF-HOOK WHEN MONITOR LOW". CONTACT YOUR BK RADIO DEALER FOR THE REQUIRED PROGRAMMING CHANGES.
3. ITEMS 15, 16 AND 17 ARE SUPPLIED IN REMOTE MOUNT CABLE KITS LAA0635, LAA0636 AND LAA0637.
4. ITEM 18 COMES WITH THE DMH-5992R PACKAGE. THIS ITEM IS USABLE IN 4 PLACES TO COVER THE CONNECTORS THAT ARE NOT IN USE.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE APPLIED FINISH TOLERANCES.
TOLERANCES:
2 PLACE DIM. ±– 3 PLACE DIM. ±– ANGLES ±–
SCREW THREADS–AMERICAN NATIONAL CLASS:
CLASS:
THIRD ANGLE PROJECTION

BK TECHNOLOGIES
WEST MELBOURNE, FL. 32904

TITLE:
INSTALLATION INSTRUCTIONS, DMH MOBILE UNIT (REMOTE)

SIZE: B
DRAWING NO.: 7005-30975-500 REV. A
SCALE: N.T.S.
REFERENCE: DMH-REMOTE
SHEET: 1 OF 1

INSTALLATION

Plan your installation carefully. Locate the radio and microphone within easy reach, giving the operator a clear view of the display. Do not locate the radio or microphone in a position that interferes with safe operation of the vehicle.
Once the equipment location is chosen, determine the best routing for cables and wires to connect the system. Use a rubber grommet to protect the wires when passing through sheet metal. Avoid any route that subjects the wire to pinching, cutting, or high heat from the engine or other vehicle component.
The radio must be used with a 12 volt, NEGATIVE GROUND electrical system. Refer to the diagram on the backside.

1. Position the fuse holder (Item 6 & 8) as close to the battery as possible leaving one end to be terminated to the battery.
2. Using one “barrel-crimp” terminal (Item 13), splice the red power wire (Item 15) to the other end of fuse (Item 6).
   NOTE: Fold the “stripped” end of the 12 GA wire (Item 15) before crimping in terminal (Item 13).
3. Using one “barrel-crimp” terminal (Item 13), splice the other end of red power wire (Item 15) to the red wire of the power cord assembly (Item 5).
   NOTE: Fold the “stripped” end of the 12 GA wire (Item 5) before crimping in terminal (Item 13).
4. Using one “barrel-crimp” terminal (Item 13), splice the black power wire (Item 16) to the black wire of the power cord assembly (Item5).
5. Using one “barrel-crimp” terminal (Item 14), splice the yellow wire (Item 17) to the other end of the fuse (Item 8).
6. Using one “barrel-crimp” terminal (Item 14), splice the yellow wire (Item 17) to the yellow wire of the power cord assembly (Item 5).
   NOTE: Fold the “stripped” end of the 12 GA wire (Item 5) before crimping in terminal (Item 13).
7. Connect the red power wire (with spliced fuse assembly) to the vehicle battery POSITIVE terminal. Using other positive voltage points in the vehicle is not recommended.
8. Connect the black lead to a good ground point on the vehicle chassis. Connection to the negative battery terminal is not recommended.
9. Connect the yellow wire (with spliced fuse assembly) to the vehicle ignition terminal.
10. Mount the antenna carefully. Follow the instructions supplied with the antenna kit. Route the coax cable to the radio mounting location. If needed, item 21 is used to adapt the DMH QMA antenna connector to a Mini-UHF connector. (If needed to adapt from the DMH QMA to UHF, adaptor P/N 6006-30970-501 can be purchased; or if needed to adapt from the DMH QMA to TNC, adaptor P/N 6006-30970-503 can be purchased from you local dealer or from RELM Wireless Corporation.)
11. Fasten the Remote Head mounting bracket (Item 1) and RF Unit mounting bracket (Item 2) securely to the desired location.
12. Connect the signal cable (LAA0635, LAA0636, or LAA637) between the two units.
13. At each end of the remote signal cable assembly (Item 19), position the boot cover over the cable port and carefully insert the modular plug until a “click” is heard.
14. Mount the microphone hanger clip (Item 12) securely to the desired location. The microphone hanger clip must be grounded for proper radio operation. Use the supplied ground wire if needed.
15. Mount any approved accessory speakers and route the wires to the rear of the radio bracket.
16. Connect the power lead, antenna connector, and accessory wires to the rear of the Remote Head.
17. Place the Remote Head in the mounting bracket, adjust the Remote Head to the proper mounting angle, and thread in the two side mounting knobs (Item 3) until the unit is secure.
18. Place the RF Unit in the mounting bracket and thread in the two side mounting knobs (Item 3) until the unit is secure.

NOTE: Option A and B connections are logic level outputs. Consult your BK Radio dealer before connecting accessories to these pins.