ALM CORD DATA SHEETS

ALM Cords

Shure ALM cords use a common connector and wiring configuration on the microphone end, with varying connectors and wiring configurations on the radio end. The most basic configuration is model ALM-1, which has no connector on the radio end.

Some ALM cord models are made by taking an ALM-1 and adding a connector on the radio end. Depending on the radio involved, the connector:

- may have been a commercially-available part
- may have been assembled by Shure from commercially-available parts
- may have been a custom part obtained directly from the radio manufacturer, or
- may have been custom-manufactured by Shure or a contracted vendor according to the radio manufacturer's specifications.

This means that replacement connectors may or may not be readily available, or may not be available under a single part number.

In some cases, the radio-end connector is molded onto the cable. This is usually done by sending ALM-1 cords to the connector vendor and having them assemble and mold the connector. These connectors are generally not repairable or replaceable without the necessary tooling and machinery. This has been noted on the cord data sheet where applicable.

Instruction Tags

Some ALM cords are shipped with an instruction tag attached, which contains information on required modifications to the microphone or radio that apply in certain situations. Note that the same instruction tag often ships with more than one ALM cord.

GENERAL SPECIFICATIONS:

1.   DESCRIPTION

FIVE-CONDUCTOR, ONE CONDUCTOR SHIELDED, ONE DRAIN WIRE MICROPHONE CABLE

2.   OUTER JACKET

BLACK NEOPRENE
OVERALL DIAMETER (INCHES) .195 +/- .010

3.   CONDUCTORS

1.   FOUR UNSHIELDED CONDUCTORS

1.   COLOR CODE

YELLOW, BLUE, RED, AND BLACK

2.   MATERIAL

STRANDED TINNED COPPER WIRE CINSISTING OF 7 STRANDS OF #34 AWG WIRE
(#26 TOTAL GAUGE)

3.   INSULATION

POLYPROPYLENE TO A DIAMETER OF .035 NOMINAL

2.   ONE SHIELDED CONDUCTOR

1.   COLOR CODE

WHITE

2.   MATERIAL

STRANDED TINNED COPPER WIRE CINSISTING OF 7 STRANDS OF #34 AWG WIRE
(#26 TOTAL GAUGE)

3.   SHIELD

#38 AWG TINNED COPPER WIRE WOUND OVER WHITE CONDUCTOR ONLY

3.   DRAIN WIRE

#22 AWG (26 STRANDS OF #36 AWG TINNED SOFT COPPER)

4.   INNER CABLE COVERING

MYLAR SPIRAL WRAP

4.   CONNECTOR (MICROPHONE END)

1.   SIX-PIN MODULAR RJ-11 PLUG, WITH NEOPRENE FLEX RELIEF BOOT (Note: Data sheets for
many Shure Modulink communications microphones show an 8-pin connector in the microphone,
but only the middle 6 pins are used.)

2.   WIRING SCHEME

PIN 1 = RED
PIN 2 = YELLOW
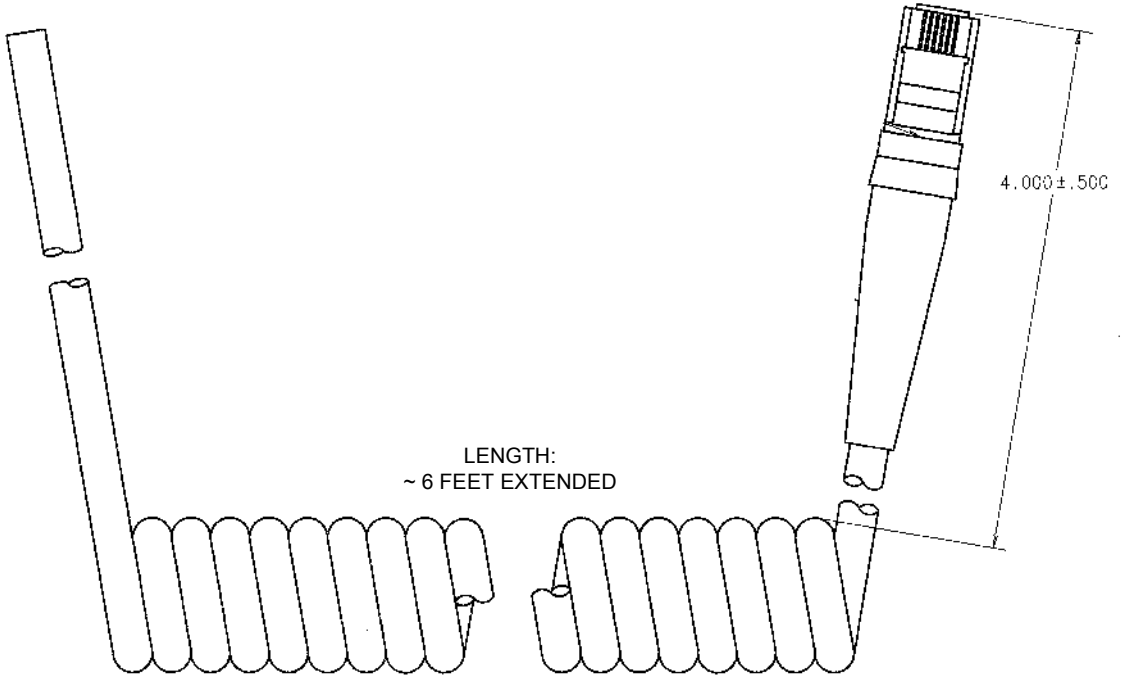PIN 3 = BLUE
PIN 4 = BLACK
PIN 5 = WHITE
PIN 6 = DRAIN

RADIO END:
BARE WIRES

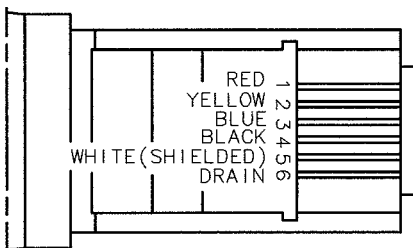MICROPHONE END:
6-PIN MODULAR RJ-11 PLUG
WITH NEOPRENE FLEX RELIEF

4.000±.500

LENGTH:
~ 6 FEET EXTENDED

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

```
                RED      1
             YELLOW      2
               BLUE      3
              BLACK      4
  WHITE(SHIELDED)        5
              DRAIN      6
```

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

SHURE®

| MODEL NUMBER	CONNECTOR
ALM-2	5-PIN MOLDED RECTANGULAR

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: MOTOROLA RIGHT-ANGLE 5-PIN
MOLDED RECTANGULAR PLUG

NOTE: THIS CONNECTOR IS ASSEMBLED FROM
MOTOROLA COMPONENTS, AND THEN HAS A FLEX
RELIEF MOLDED OVER IT. CONNECTOR ASSEMBLY
REQUIRES SPECIAL EQUIPMENT.

CONNECTOR SHELL: MOTOROLA #14-84590B01
TERMINALS: MOTOROLA #09-84151B03
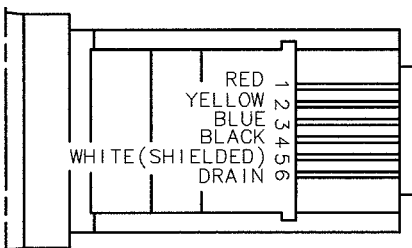(5 req'd)
S-HOOK AND CLAMP: MOTOROLA #42A-893647
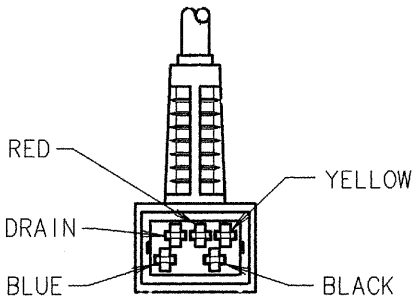
CONNECTOR WIRING DETAIL
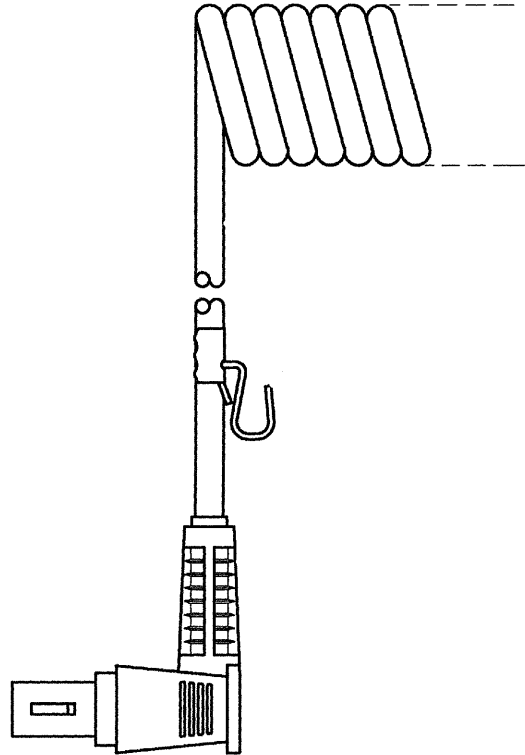
RED
YELLOW
DRAIN
BLUE
BLACK

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using with 885TT or 890TT microphones,
rewire radio for continuous microphone biasing.
Refer to radio manufacturer's service manual for
additional information.

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

RED 1
YELLOW 2
BLUE 3
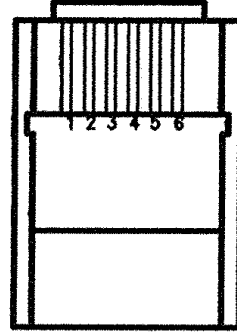BLACK 4
WHITE(SHIELDED) 5
DRAIN 6

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END
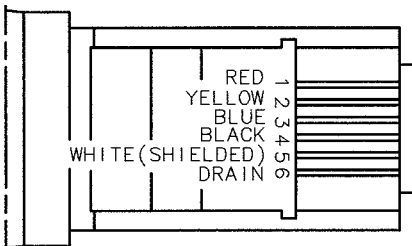
CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   BLUE
PIN 2   NO CONNECTION (WHITE LEAD OCCUPYING
            SLOT – NO CONTACT USED)
PIN 3   YELLOW
PIN 4   RED
PIN 5   BLACK
PIN 6   DRAIN

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 5-PIN ROUND PLUG
          (SWITCHCRAFT PART SL-40-5M)
          NOTE: COUPLING RING AND
          INSULATOR (MANUFACTURED
          BY SHURE) ALSO REQUIRED
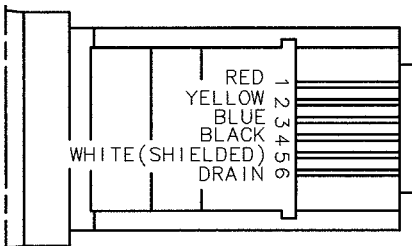
CONNECTOR PIN ASSIGNMENTS:

PIN 1   BLACK
PIN 2   DRAIN
PIN 3   RED
PIN 4   YELLOW
PIN 5   NO CONNECTION

WHITE AND BLUE CONDUCTORS NOT USED

CONNECTOR
END VIEW

CONNECTOR SIDE VIEW

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

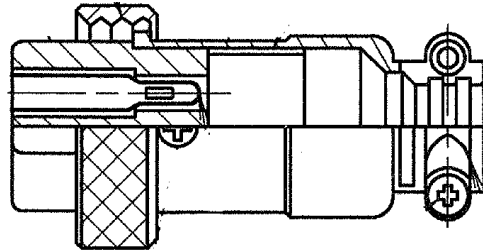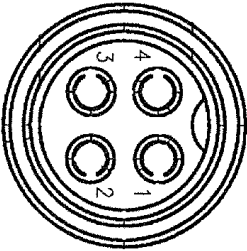|	
RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 4-SOCKET ROUND PLUG (FUJI
SEIMITSU PART FM14-4P)

CONNECTOR PIN ASSIGNMENTS:

PIN 1   RED
PIN 2   BLACK & DRAIN
PIN 3   NO CONNECTION
PIN 4   YELLOW
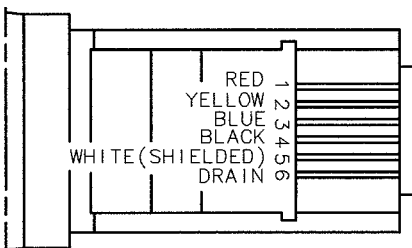
WHITE AND BLUE CONDUCTORS NOT USED

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

Change 270 ohm bias resistor in radio to 1200
ohms. Refer to Midland Service Manual for part
location.

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   AMPLIFIED AUDIO OUTPUT, AND
           DC BIAS VOLTAGE INPUT
WHITE   NON-AMPLIFIED AUDIO OUTPUT
YELLOW   PTT SWITCH
BLACK   PTT SWITCH GROUND
BLUE   HANG-UP BUTTON
DRAIN   GROUND

(LOCKING TAB ON REVERSE SIDE)
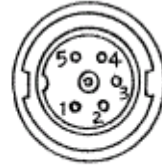
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 5-PIN ROUND PLUG
                           (SWITCHCRAFT PART# 12CL5M)
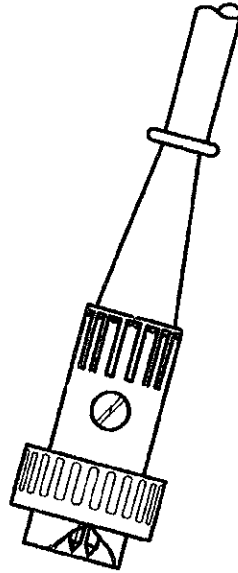
CONNECTOR PIN ASSIGNMENTS:

PIN 1   RED
PIN 2   YELLOW
PIN 3   DRAIN & BLACK
PIN 4   BLUE
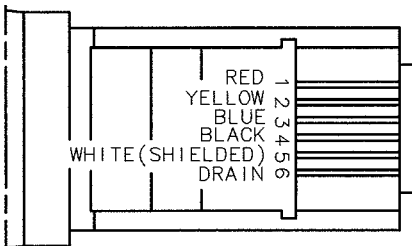PIN 5   NO CONNECTION

WHITE CONDUCTOR NOT USED

END VIEW OF
CONNECTOR

INSTRUCTION TAG
29C2127
INCLUDED WITH CABLE
(could not be located)

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN

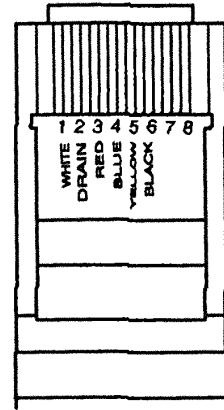|	
RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN
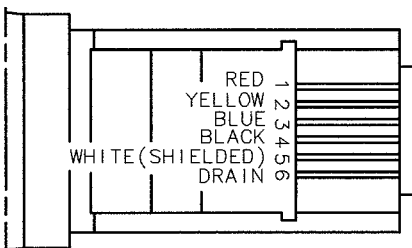
CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION (WHITE LEAD OCCUPYING
         SLOT; NO CONTACT USED)
PIN 2   DRAIN
PIN 3   RED
PIN 4   BLUE
PIN 5   YELLOW
PIN 6   NO CONNECTION (BLACK LEAD OCCUPYING
         SLOT; NO CONTACT USED)
PIN 7   NO CONNECTION (NO CONTACT USED)
PIN 8   NO CONNECTION (NO CONTACT USED)

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

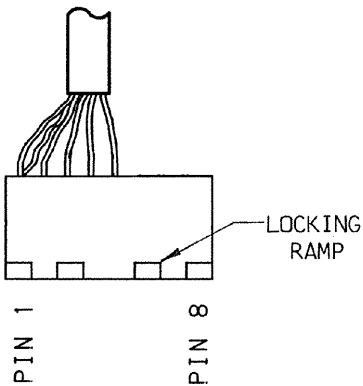(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: FLAT PC HEADER
8-PIN MOLEX #2139
(CONNECTOR HOUSING AND
PINS SOLD SEPERATELY)
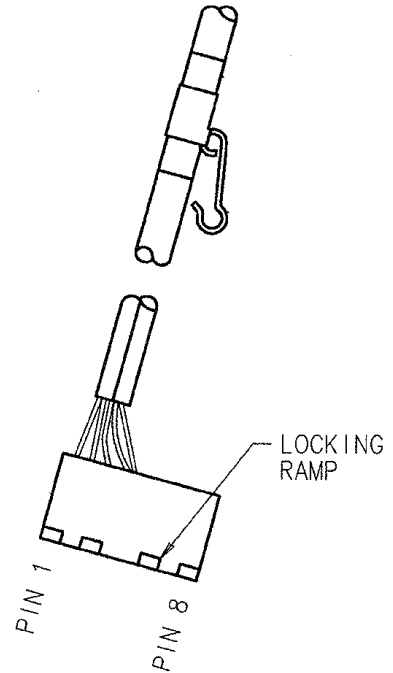
CONNECTOR PIN ASSIGNMENTS:

PIN 1   BLACK
PIN 2   YELLOW
PIN 3   DRAIN & BLUE
PIN 4   RED
PIN 5   NO CONNECTION
PIN 6   NO CONNECTION
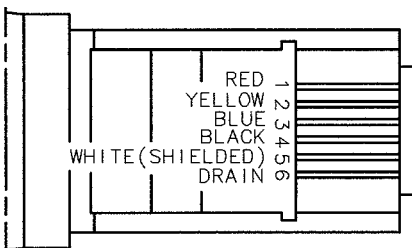PIN 7   NO CONNECTION
PIN 8   NO CONNECTION

WHITE CONDUCTOR NOT USED

APPROXIMATE CABLE TERMINATION

CONNECTOR WIRING DETAIL

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   AMPLIFIED AUDIO OUTPUT, AND
            DC BIAS VOLTAGE INPUT
WHITE   NON-AMPLIFIED AUDIO OUTPUT
YELLOW   PTT SWITCH
BLACK   PTT SWITCH GROUND
BLUE   HANG-UP BUTTON
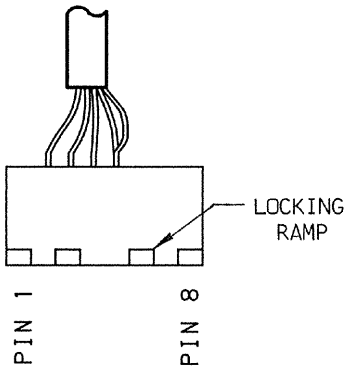DRAIN   GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: FLAT PC HEADER
    8-PIN MOLEX #2139
    (CONNECTOR HOUSING AND
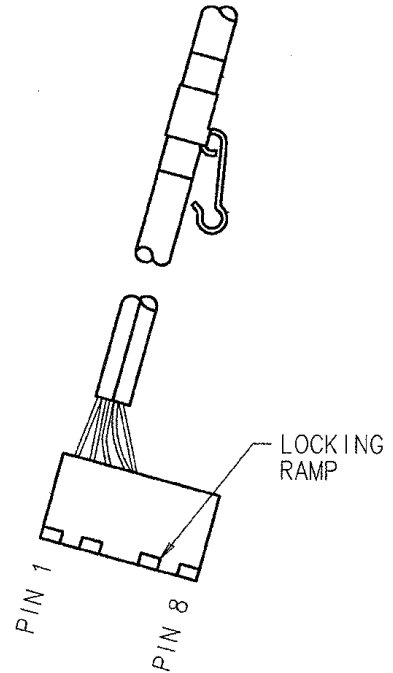   PINS SOLD SEPERATELY)

CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION
PIN 2   YELLOW
PIN 3   BLACK
PIN 4   RED
PIN 5   DRAIN & BLUE
PIN 6   NO CONNECTION
PIN 7   NO CONNECTION
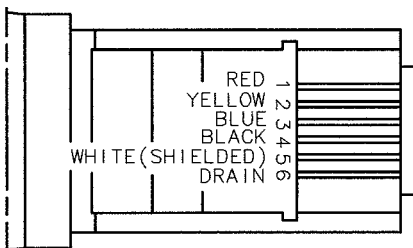PIN 8   NO CONNECTION

WHITE CONDUCTOR NOT USED

LOCKING RAMP

APPROXIMATE CABLE TERMINATION

LOCKING RAMP

CONNECTOR WIRING DETAIL

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

SHURE®

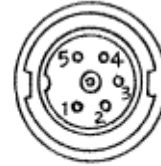| MODEL NUMBER	CONNECTOR
ALM-12A	5-PIN ROUND PLUG

CONNECTOR WIRING AT RADIO END
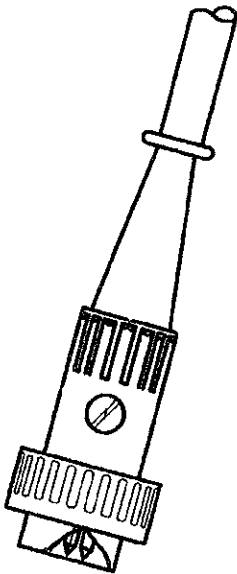
CONNECTOR TYPE: 5-PIN ROUND PLUG
                  (SWITCHCRAFT PART# 12CL5M)

CONNECTOR PIN ASSIGNMENTS:

PIN 1   RED
PIN 2   DRAIN & BLACK
PIN 3   YELLOW
PIN 4   WHITE
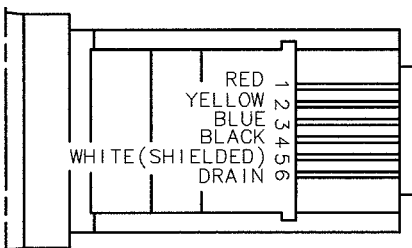PIN 5   BLUE

END VIEW OF
CONNECTOR

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT
microphones, red jumper from D-E (W301) must be
removed. In later production units, the red jumper
D-E (W301) is moved to location F-G (W309), per
data sheet instructions. (No modification required
for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN
1 2 3 4 5 6

(LOCKING TAB ON REVERSE SIDE)

SHURE®

MODEL NUMBER	CONNECTOR
ALM-16	5-PIN ROUND PLUG

CONNECTOR WIRING AT RADIO END
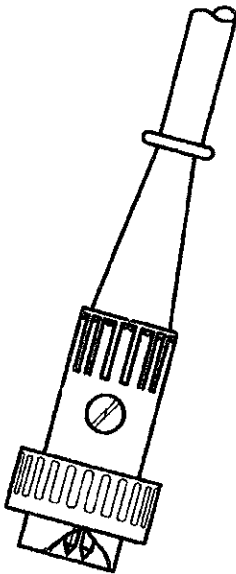
CONNECTOR TYPE: 5-PIN ROUND PLUG
                      (SWITCHCRAFT PART# 12CL5M)

CONNECTOR PIN ASSIGNMENTS:

PIN 1   WHITE
PIN 2   YELLOW
PIN 3   DRAIN & BLACK
PIN 4   BLUE
PIN 5   RED

END VIEW OF
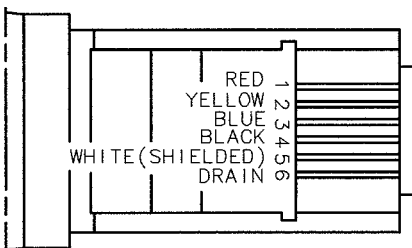CONNECTOR

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT microphones,
red jumper from D-E (W301) must be removed. In later
production units, red jumper D-E (W301) is moved to
location F-G (W309), per data sheet instructions. (No
modification required for Model 590T microphone.)

Install option jumper in radio per E.F. Johnson service
manual to provide +13.8 VDC on pin 3.

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

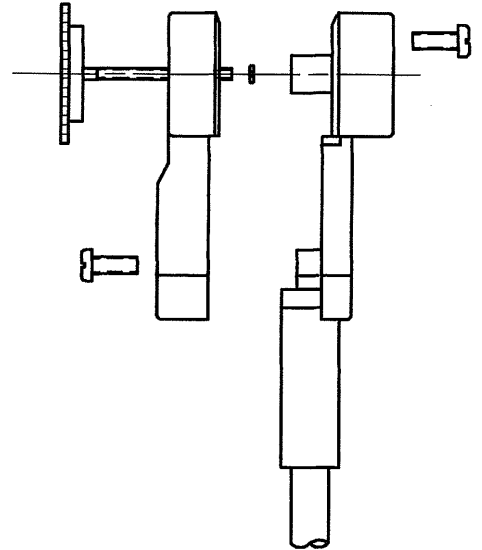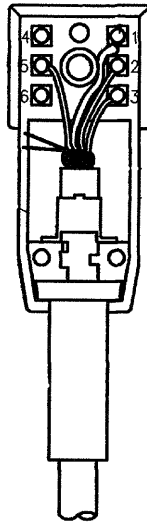|	
RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 6-PIN SQUARE RIGHT-ANGLE
PLUG WITH THUMBSCREW
(MANUFACTURED BY SHURE;
NOT AVAILABLE AS A SINGLE
ASSEMBLY)

CONNECTOR PIN ASSIGNMENTS:
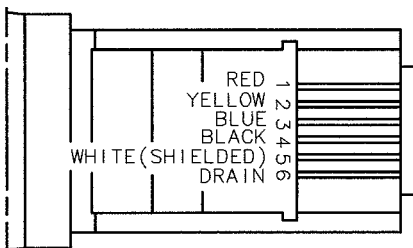
PIN 1   DRAIN
PIN 2   RED
PIN 3   YELLOW
PIN 4   NO CONNECTION
PIN 5   BLACK
PIN 6   NO CONNECTION

WHITE, BLUE, AND SHIELD
CONDUCTORS ARE NOT USED

COVER REMOVED
FOR CLARITY

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)
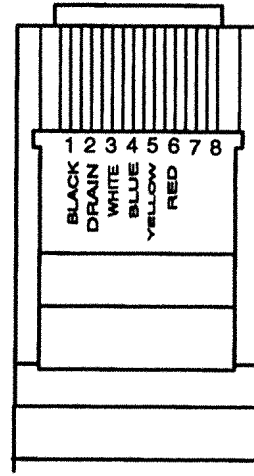
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION (BLACK LEAD OCCUPYING
       SLOT; NO CONTACT USED)
PIN 2   DRAIN
PIN 3   WHITE
PIN 4   BLUE
PIN 5   YELLOW
PIN 6   RED
PIN 7   NO CONNECTION
PIN 8   NO CONNECTION (NO CONTACT USED)

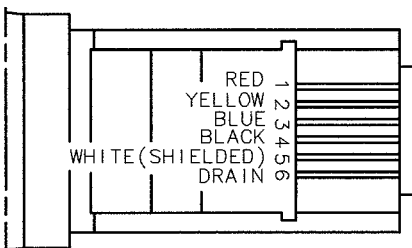CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT microphones,
red jumper from D-E (W301) must be removed. In later
production units, red jumper D-E (W301) is moved to
location F-G (W309), per data sheet instructions. (No
modification required for Model 590T microphone.)

Install option jumper in radio per E.F. Johnson service
manual to provide +13.8 VDC on pin 3.

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

SHURE®	MODEL NUMBER **ALM-19**	CONNECTOR DB-9 PLUG

<u>CONNECTOR WIRING AT RADIO END</u>
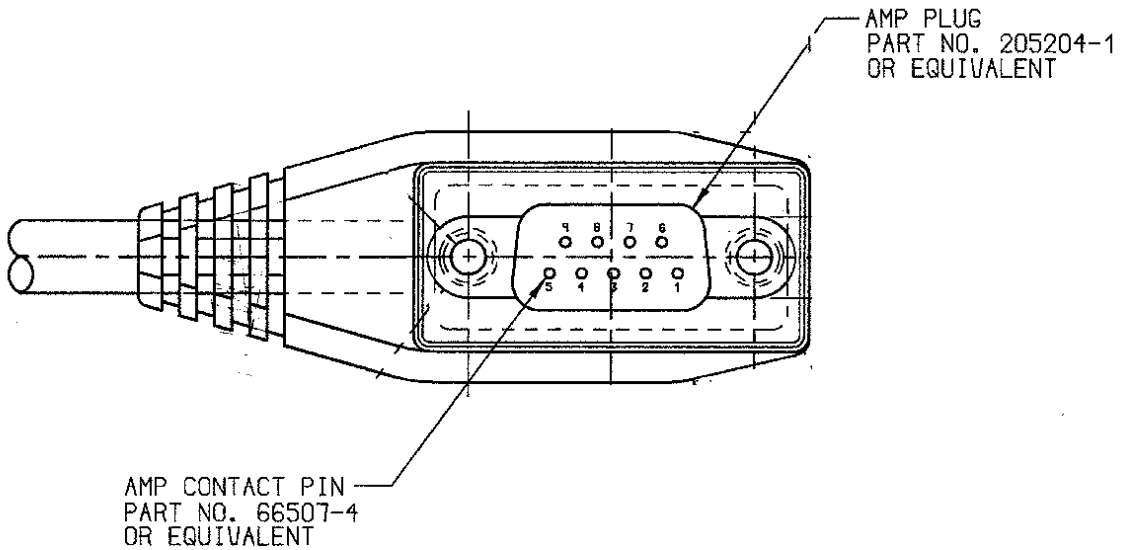
CONNECTOR TYPE: RIGHT-ANGLE DB-9 PLUG

    NOTE: THIS CONNECTOR IS
    MOLDED ONTO THE CABLE BY
    THE VENDOR, AND CANNOT BE
    INSTALLED WITHOUT SPECIAL
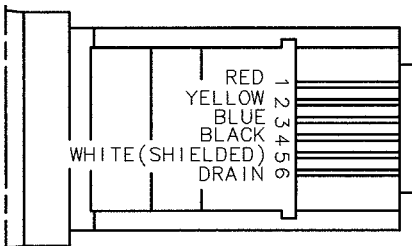   EQUIPMENT

CONNECTOR PIN ASSIGNMENTS:

PIN 1   ---
PIN 2   YELLOW
PIN 3   ---
PIN 4   RED
PIN 5   ---
PIN 6   BLUE
PIN 7   ---
PIN 8   BLACK
PIN 9   DRAIN

WHITE CONDUCTOR NOT USED

AMP PLUG
PART NO. 205204-1
OR EQUIVALENT

AMP CONTACT PIN
PART NO. 66507-4
OR EQUIVALENT

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 4-PIN ROUND PLUG

CONNECTOR PIN ASSIGNMENTS:

PIN 1	RED
PIN 2	DRAIN
PIN 3	YELLOW
PIN 4	NO CONNECTION
SHELL/CLAMP	BLACK

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES
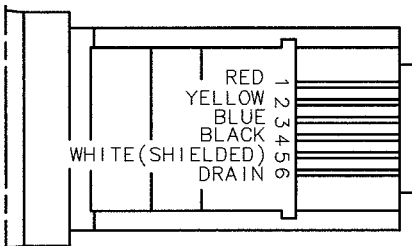
RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

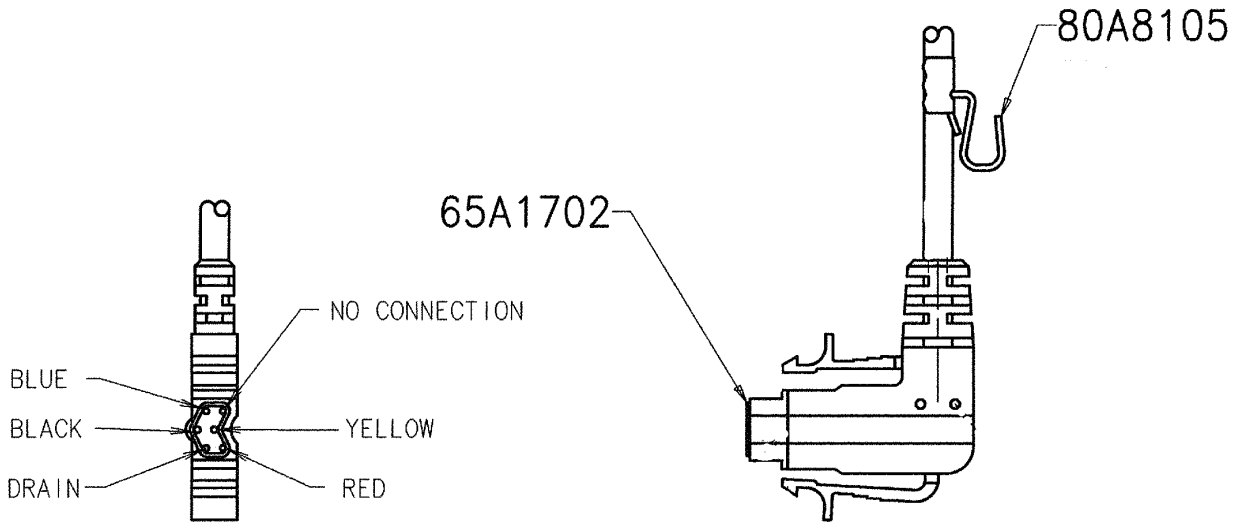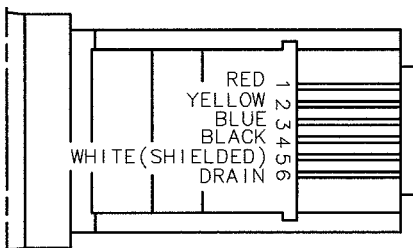|	MODEL NUMBER	CONNECTOR
SHURE®	**ALM-22**	6-PIN MOLDED R.A.

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 6-PIN RIGHT-ANGLE MOLDED PLUG
                         (MOTOROLA PART # 09-D80218J01)

NOTE: CONNECTOR IS MOLDED ONTO CABLE, AND
CANNOT BE INSTALLED WITHOUT SPECIAL EQUIPMENT

80A8105

65A1702

NO CONNECTION

BLUE
BLACK   YELLOW
DRAIN   RED

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   1
YELLOW   2
BLUE   3
BLACK   4
WHITE(SHIELDED) 5
DRAIN   6

|	
RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: FLAT PC HEADER
8-PIN MOLEX #2139
(CONNECTOR HOUSING AND
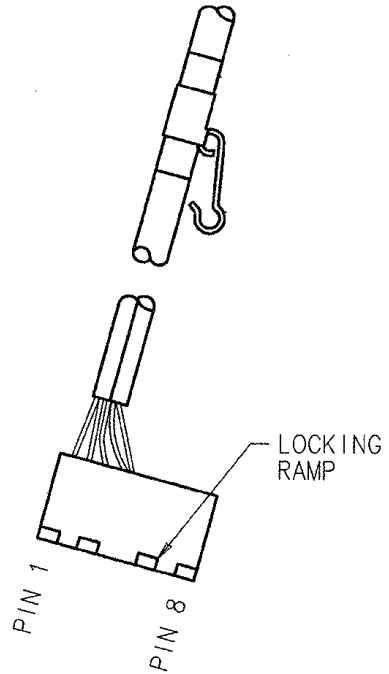PINS SOLD SEPERATELY)

CONNECTOR PIN ASSIGNMENTS:
PIN 1   RED
PIN 2   YELLOW
PIN 3   BLACK
PIN 4   WHITE
PIN 5   DRAIN
PIN 6   NO CONNECTION
PIN 7   NO CONNECTION
PIN 8   NO CONNECTION

BLUE CONDUCTOR NOT USED
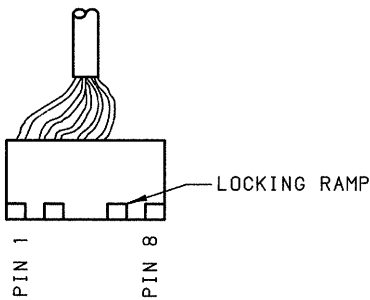
LOCKING RAMP

PIN 1

PIN 8

APPROXIMATE CABLE TERMINATION

LOCKING RAMP

PIN 1

PIN 8

CONNECTOR WIRING DETAIL
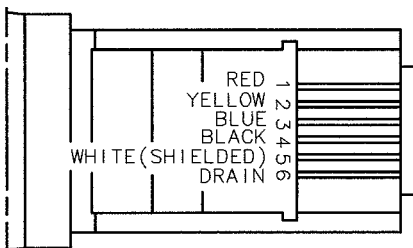
INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 885TT AND 890TT
MICROPHONES

When using early production 885TT or 890TT microphones,
red jumper from D-E (W301) must be removed. In later
production units, the red jumper D-E (W301) is moved to
location F-G (W309), per data sheet instructions.

Radio will require wiring for continuous microphone biasing if
used with 885TT or 890TT microphones. Refer to radio
manufacturer's service manual for additional information.

29E2127

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN

1
2
3
4
5
6

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

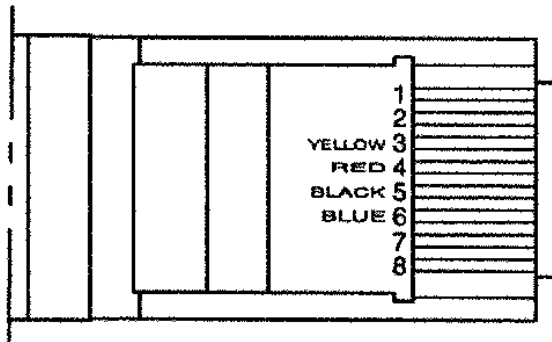CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:
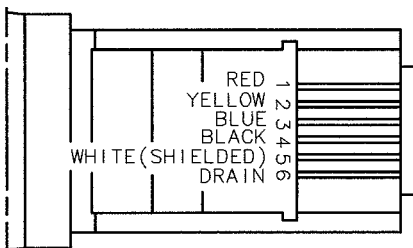
PIN 1   NO CONNECTION
PIN 2   NO CONNECTION
PIN 3   YELLOW
PIN 4   RED
PIN 5   BLACK
PIN 6   BLUE
PIN 7   NO CONNECTION (WHITE LEAD OCCUPYING
          SLOT; NO CONTACT USED)
PIN 8   NO CONNECTION (DRAIN LEAD OCCUPYING
          SLOT; NO CONTACT USED)

WHITE CONDUCTOR NOT USED

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

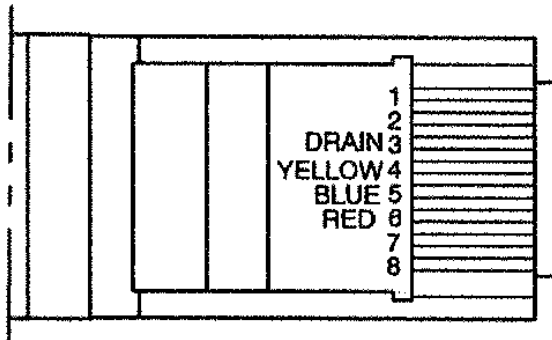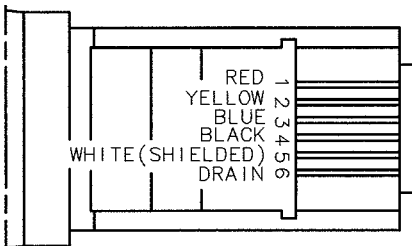| RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION
PIN 2   NO CONNECTION (BLACK LEAD OCCUPYING
     SLOT; NO CONTACT USED)
PIN 3   DRAIN
PIN 4   YELLOW
PIN 5   BLUE
PIN 6   RED
PIN 7   NO CONNECTION (WHITE LEAD OCCUPYING
     SLOT; NO CONTACT USED)
PIN 8   NO CONNECTION

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

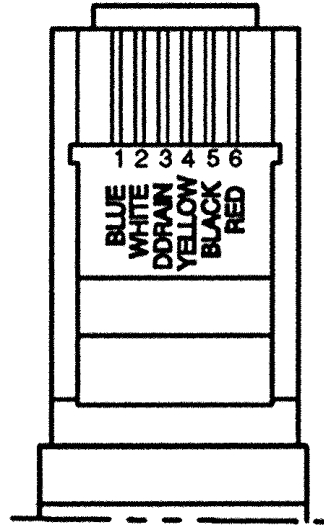| RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

<u>CONNECTOR WIRING AT RADIO END</u>

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   BLUE
PIN 2   WHITE
PIN 3   DRAIN
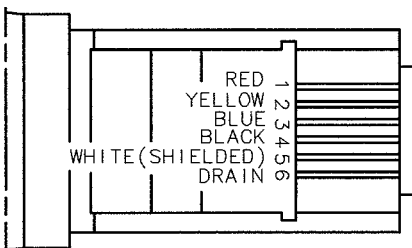PIN 4   YELLOW
PIN 5   BLACK
PIN 6   RED

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT
microphones, red jumper from D-E (W301) must be
removed. In later production units, the red jumper
D-E (W301) is moved to location F-G (W309), per
data sheet instructions. (No modification required
for Model 590T microphone.)

29F2127

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

SHURE®

MODEL NUMBER

ALM-27

CONNECTOR

10-PIN MOLDED
RECTANGULAR
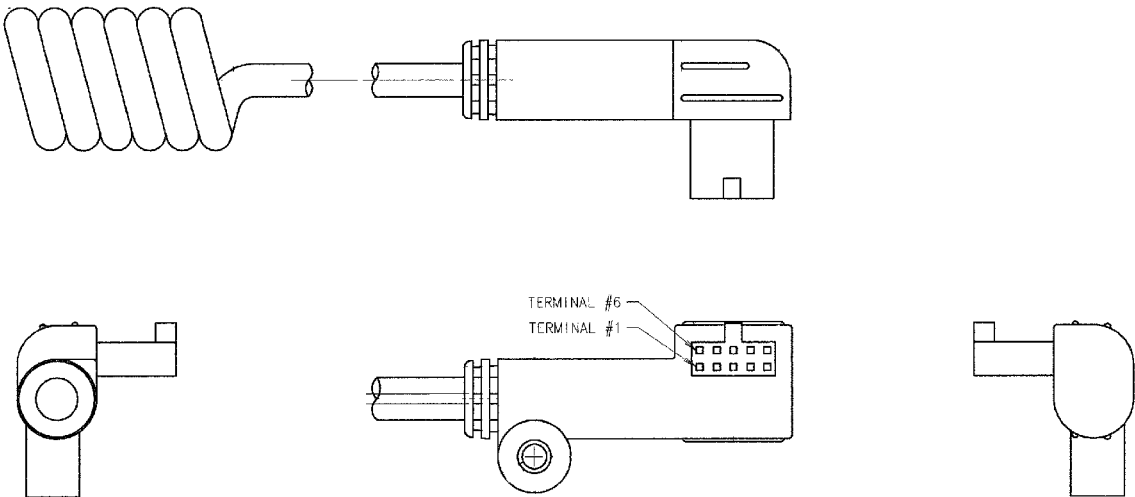
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 10-PIN MOLDED
RECTANGULAR PLUG

NOTE: CONNECTOR IS OVERMOLDED
ONTO CABLE. SPECIAL EQUIPMENT IS
REQUIRED FOR ASSEMBLY.

CONNECTOR PIN ASSIGNMENTS:

PIN 1   BLACK
PIN 2   NO CONNECTION
PIN 3   NO CONNECTION
PIN 4   RED
PIN 5   DRAIN
PIN 6   NO CONNECTION
PIN 7   NO CONNECTION
PIN 8   NO CONNECTION
PIN 9   NO CONNECTION
PIN 10   YELLOW

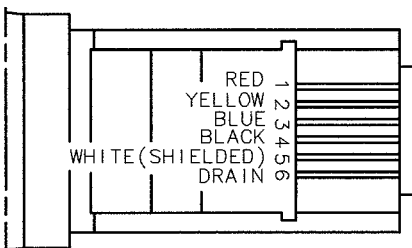WHITE AND BLUE CONDUCTORS NOT USED

TERMINAL #6
TERMINAL #1

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T MICROPHONES ONLY

For CHANNEL GUARD™ or scanning option, cut
blue wire to hang-up button in microphone or install
logic inverter in radio.

29G2127

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN
1 2 3 4 5 6

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

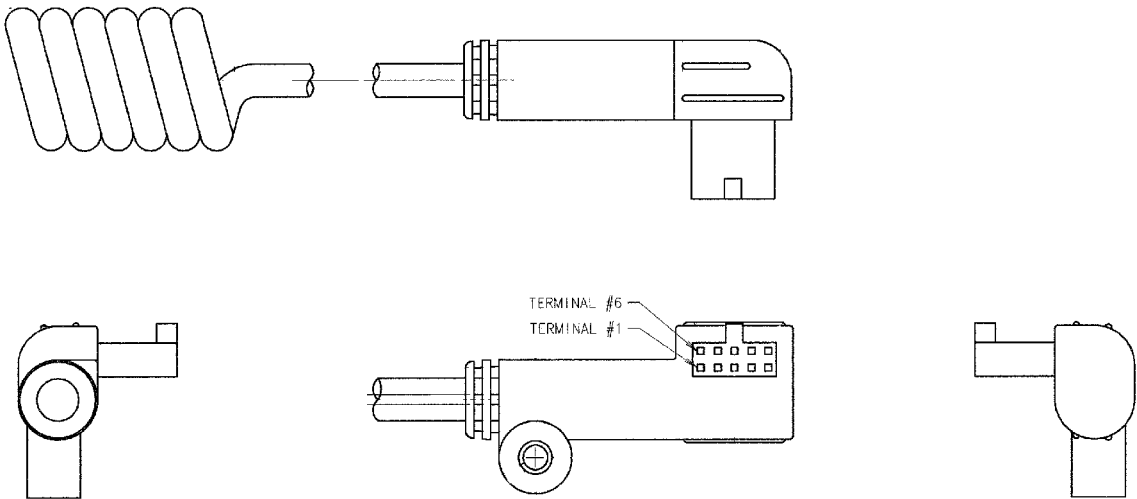(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 10-PIN MOLDED
                  RECTANGULAR PLUG

NOTE: CONNECTOR IS OVERMOLDED
ONTO CABLE. SPECIAL EQUIPMENT IS
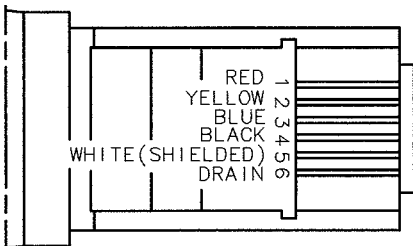REQUIRED FOR ASSEMBLY.

CONNECTOR PIN ASSIGNMENTS:

PIN 1   BLACK
PIN 2   RED
PIN 3   NO CONNECTION
PIN 4   WHITE
PIN 5   DRAIN
PIN 6   BLUE
PIN 7   NO CONNECTION
PIN 8   NO CONNECTION
PIN 9   NO CONNECTION
PIN 10 YELLOW

TERMINAL #6
TERMINAL #1

INSTRUCTION TAG
29J2127
INCLUDED WITH CORD
(could not be located)

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   AMPLIFIED AUDIO OUTPUT, AND
                  DC BIAS VOLTAGE INPUT

WHITE   NON-AMPLIFIED AUDIO OUTPUT

YELLOW   PTT SWITCH

BLACK   PTT SWITCH GROUND

BLUE   HANG-UP BUTTON

DRAIN   GROUND

(LOCKING TAB ON REVERSE SIDE)
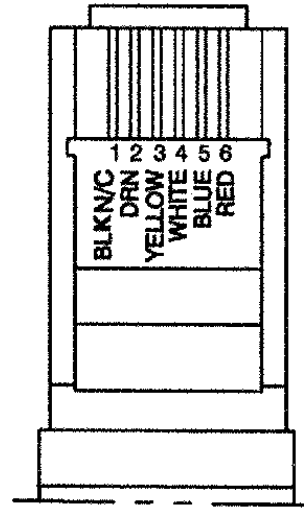
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION (BLACK LEAD OCCUPYING
         SLOT; NO CONTACT USED)
PIN 2   DRAIN
PIN 3   YELLOW
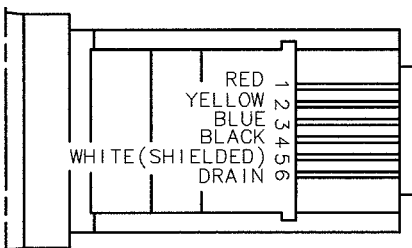PIN 4   WHITE
PIN 5   BLUE
PIN 6   RED

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT
microphones, red jumper from D-E (W301) must be
removed. In later production units, the red jumper
D-E (W301) is moved to location F-G (W309), per
data sheet instructions. (No modification required
for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

|	
RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1 NO CONNECTION
PIN 2 BLACK
PIN 3 BLUE
PIN 4 YELLOW
PIN 5 RED
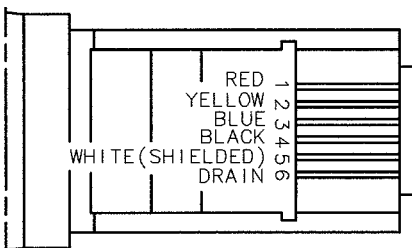PIN 6 WHITE
PIN 7 DRAIN
PIN 8 NO CONNECTION
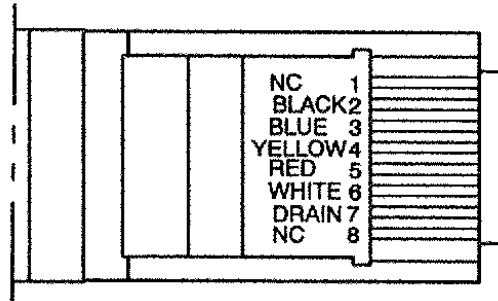
CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

29F2127

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

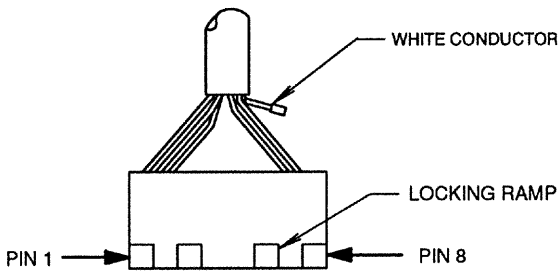| RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: FLAT PC HEADER
8-PIN MOLEX #2139
(CONNECTOR HOUSING AND
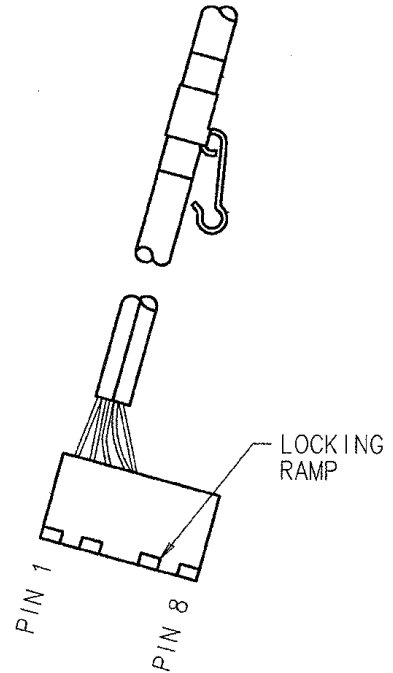PINS SOLD SEPERATELY)

CONNECTOR PIN ASSIGNMENTS:

PIN 1   BLACK
PIN 2   YELLOW
PIN 3   DRAIN
PIN 4   NO CONNECTION
PIN 5   NO CONNECTION
PIN 6   NO CONNECTION
PIN 7   RED
PIN 8   BLUE
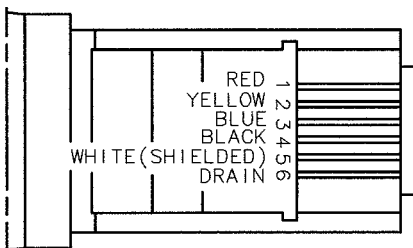
WHITE CONDUCTOR NOT USED

APPROXIMATE CABLE TERMINATION

CONNECTOR WIRING DETAIL

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

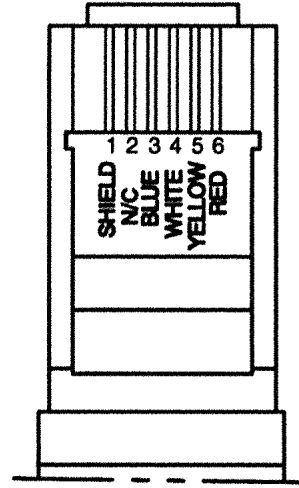| RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   SHIELD
PIN 2   NO CONNECTION (BLACK LEAD OCCUPYING
         SLOT; NO CONTACT USED)
PIN 3   BLUE
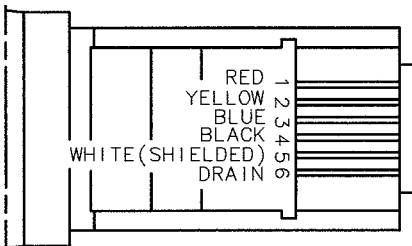PIN 4   WHITE
PIN 5   YELLOW
PIN 6   RED

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT
microphones, red jumper from D-E (W301) must be
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D-E (W301) is moved to location F-G (W309), per
data sheet instructions. (No modification required
for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

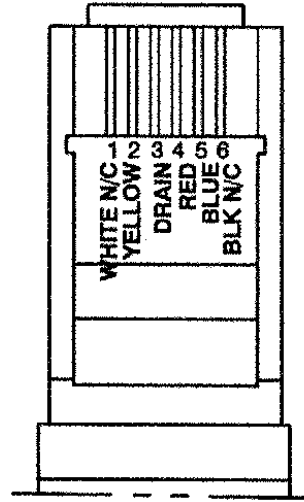|	
RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

<u>CONNECTOR WIRING AT RADIO END</u>

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION (WHITE LEAD OCCUPYING
             SLOT; NO CONTACT USED)
PIN 2   YELLOW
PIN 3   DRAIN
PIN 4   RED
PIN 5   BLUE
PIN 6   NO CONNECTION (BLACK LEAD OCCUPYING
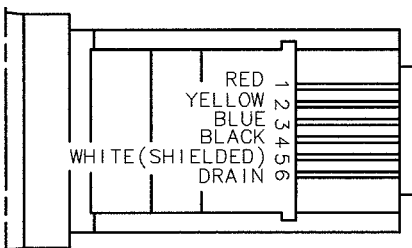   SLOT; NO CONTACT USED)

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT
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D-E (W301) is moved to location F-G (W309), per
data sheet instructions. (No modification required
for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)
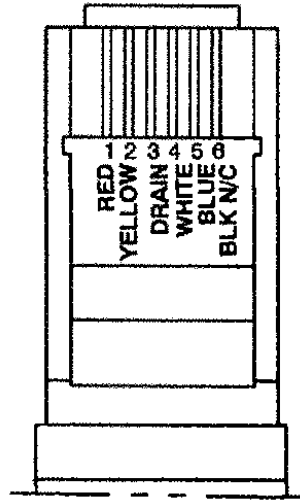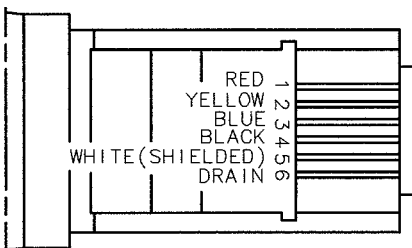
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   RED
PIN 2   YELLOW
PIN 3   DRAIN
PIN 4   WHITE
PIN 5   BLUE
PIN 6   NO CONNECTION (BLACK LEAD OCCUPYING
          SLOT; NO CONTACT USED)

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT
microphones, red jumper from D-E (W301) must be
removed. In later production units, the red jumper
D-E (W301) is moved to location F-G (W309), per
data sheet instructions. (No modification required
for Model 590T microphone.)

29F2127

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

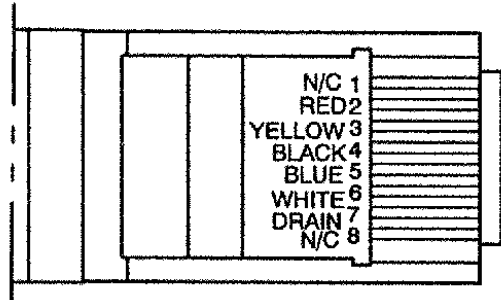|	
RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION
PIN 2   RED
PIN 3   YELLOW
PIN 4   BLACK
PIN 5   BLUE
PIN 6   WHITE
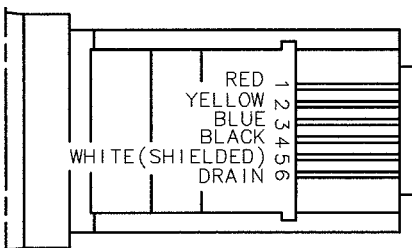PIN 7   DRAIN
PIN 8   NO CONNECTION

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)
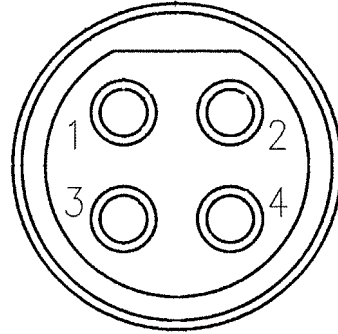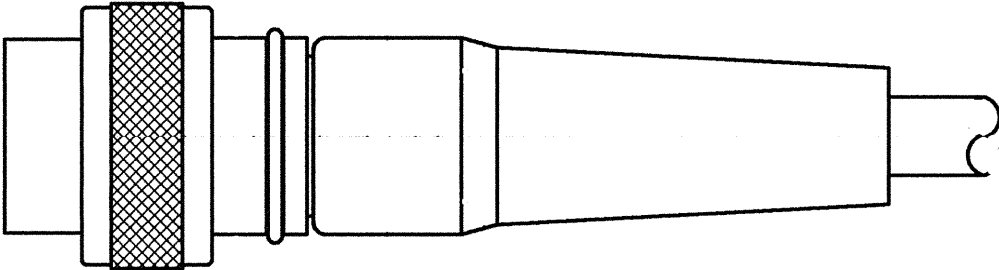
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 4-PIN ROUND PLUG
(MATES WITH SWITCHCRAFT
2504F RECEPTACLE)

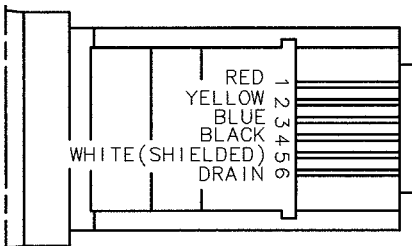CONNECTOR PIN ASSIGNMENTS:

PIN 1   BLACK & SHIELD
PIN 2   RED
PIN 3   BLUE
PIN 4   YELLOW

CONNECTOR PIN CONFIGURATION

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   AMPLIFIED AUDIO OUTPUT, AND
             DC BIAS VOLTAGE INPUT
WHITE   NON-AMPLIFIED AUDIO OUTPUT
YELLOW   PTT SWITCH
BLACK   PTT SWITCH GROUND
BLUE   HANG-UP BUTTON
DRAIN   GROUND

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN

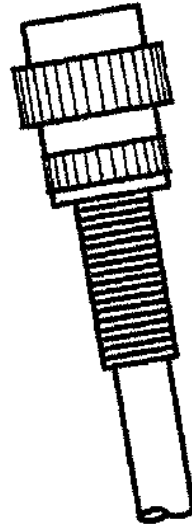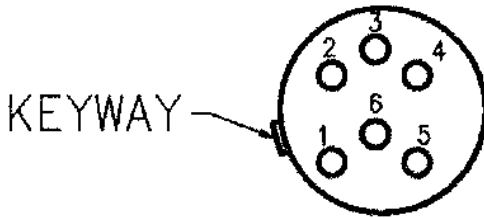(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END
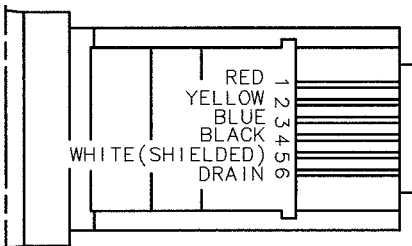
CONNECTOR TYPE: 6-PIN ROUND PLUG

CONNECTOR PIN ASSIGNMENTS:

PIN 1   DRAIN & BLACK
PIN 2   RED
PIN 3   NO CONNECTION
PIN 4   NO CONNECTION
PIN 5   YELLOW
PIN 6   BLUE

WHITE CONDUCTOR NOT USED

KEYWAY

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN

1 2 3 4 5 6

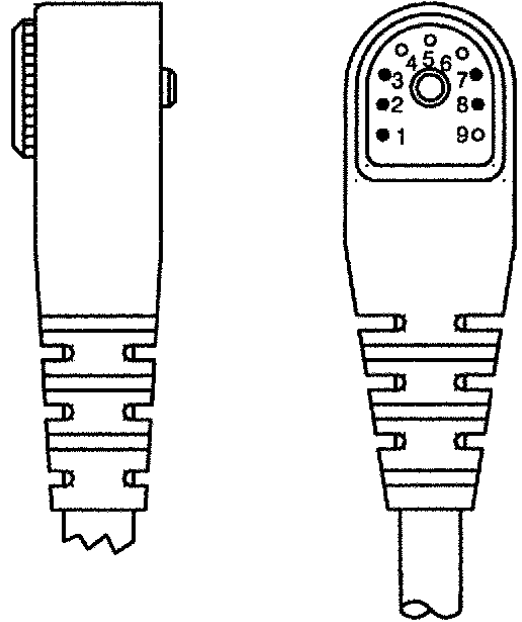| RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 9-PIN CONXALL PLUG
                 (CONXALL #E1518)

CONNECTOR PIN ASSIGNMENTS:

PIN 1   RED
PIN 2   DRAIN
PIN 3   YELLOW
PIN 4   NO CONNECTION (HOLE MOLDED CLOSED)
PIN 5   NO CONNECTION (HOLE MOLDED CLOSED)
PIN 6   NO CONNECTION (HOLE MOLDED CLOSED)
PIN 7   BLACK
PIN 8   BLUE
PIN 9   NO CONNECTION (HOLE MOLDED CLOSED)
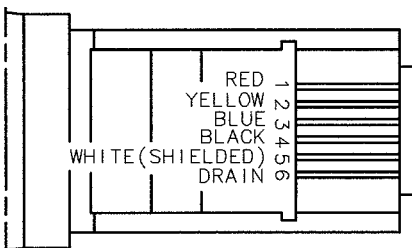
WHITE CONDUCTOR NOT USED

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T MICROPHONES ONLY

For CHANNEL GUARD™ or scanning option, cut
blue wire to hang-up button in microphone or install
logic inverter in radio.

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)
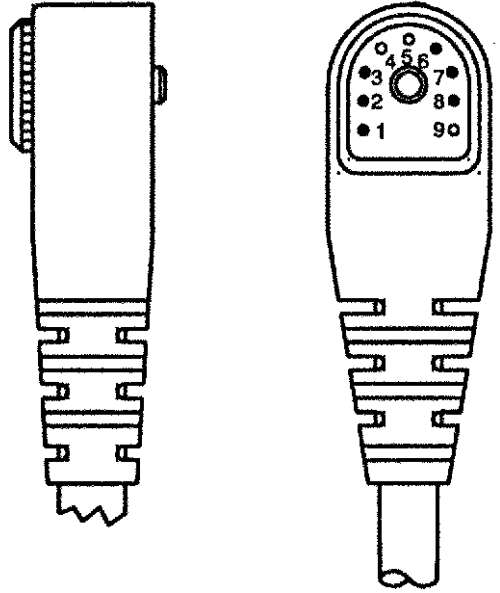
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 9-PIN CONXALL PLUG
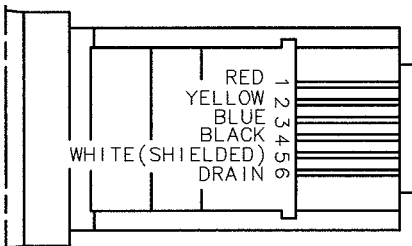   (CONXALL #E1518)

CONNECTOR PIN ASSIGNMENTS:

PIN 1 WHITE
PIN 2 DRAIN
PIN 3 YELLOW
PIN 4 NO CONNECTION (HOLE MOLDED CLOSED)
PIN 5 NO CONNECTION (HOLE MOLDED CLOSED)
PIN 6 RED
PIN 7 BLACK
PIN 8 BLUE
PIN 9 NO CONNECTION (HOLE MOLDED CLOSED)

INSTRUCTION TAG
29J2127
INCLUDED WITH CORD
(could not be located)

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)
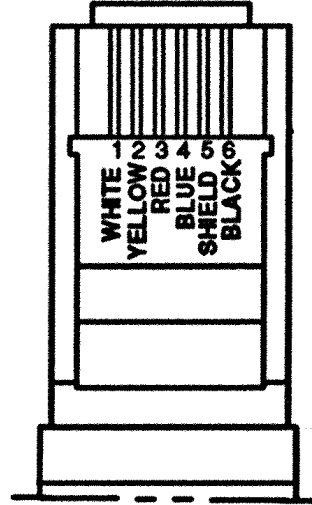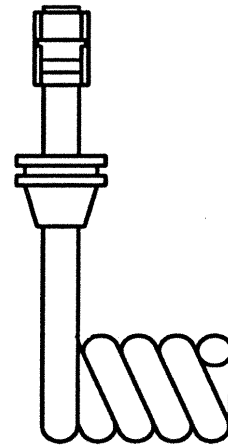
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 6-PIN MODULAR PLUG

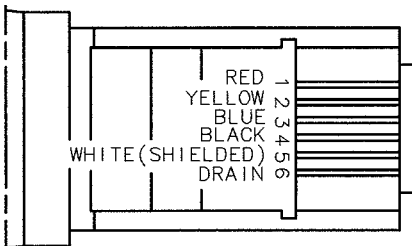CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION (WHITE LEAD OCCUPYING
          SLOT; NO CONTACT USED)
PIN 2   YELLOW
PIN 3   RED
PIN 4   BLUE
PIN 5   SHIELD
PIN 6   NO CONNECTION (BLACK LEAD OCCUPYING
          SLOT; NO CONTACT USED)

CONNECTOR WIRING DETAIL
(LOCKING PIN ON REVERSE SIDE)

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)
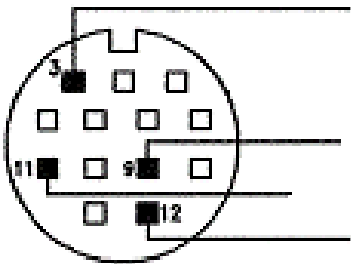
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 13-PIN HIROSE PLUG (4 PINS USED)
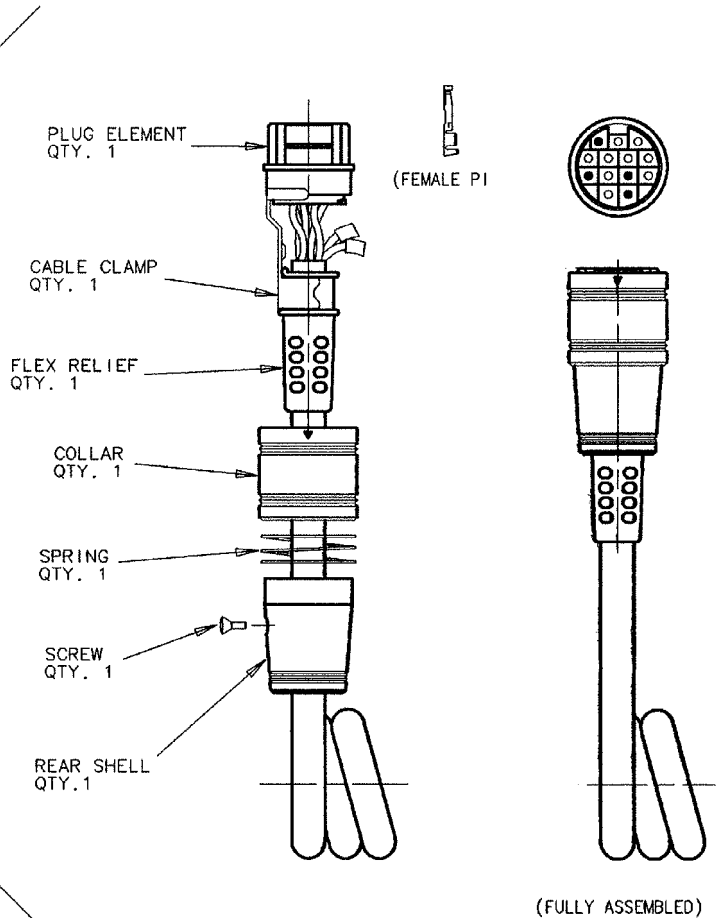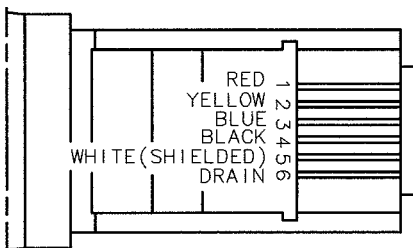HIROSE PART# RP13A-12PB-13SC

CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION
PIN 2   NO CONNECTION
PIN 3   SHIELD
PIN 4   NO CONNECTION
PIN 5   NO CONNECTION
PIN 6   NO CONNECTION
PIN 7   NO CONNECTION
PIN 8   NO CONNECTION
PIN 9   YELLOW
PIN 10 NO CONNECTION
PIN 11 RED
PIN 12 BLUE
PIN 13 NO CONNECTION

PLUG ELEMENT QTY. 1

(FEMALE PI

CABLE CLAMP QTY. 1

FLEX RELIEF QTY. 1

CONNECTOR

COLLAR QTY. 1

SPRING QTY. 1

SCREW QTY. 1

REAR SHELL QTY.1

(FULLY ASSEMBLED)

SHOWN FROM OUTSIDE OF CONNECTOR

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN

| RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   RED
PIN 2   NO CONNECTION (BLUE LEAD
             OCCUPYING SLOT; NO CONTACT USED)
PIN 3   YELLOW
PIN 4   WHITE
PIN 5   DRAIN
PIN 6   NO CONNECTION (BLACK LEAD
             OCCUPYING SLOT; NO CONTACT USED)

NOTE: RUBBER GROMMET SUPPLIED BY
TAIT MOBILE RADIO INC.
MARKHAM, ONTARIO, CANADA
PART NUMBER 360-02003-00

CONNECTOR

RUBBER GROMMET
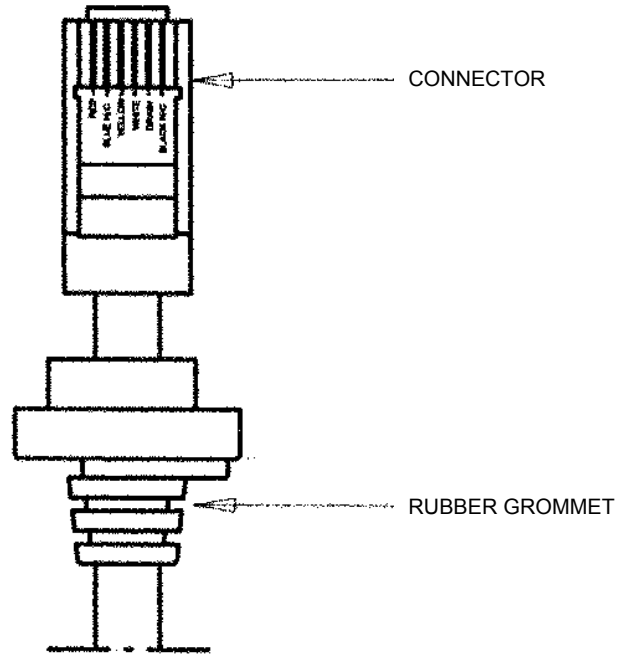
CONNECTOR WIRING DETAIL
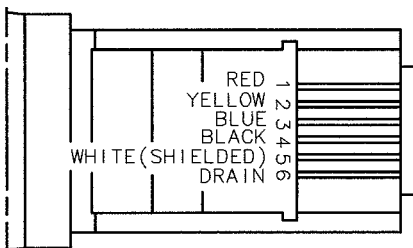(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT!
CABLE AND CONNECTOR ASSEMBLY FOR
MODELS 550T, 590T, 885TT MICROPHONES

When using early production 885TT microphones, red jumper from D-E
(W301) must be removed. In later production units, red jumper D-E
(W301) is moved to location F-G (W309), per user guide instructions.
(No modification required for models 550T and 590T.)

For Tait radios requiring CTCSS function, the following modification is
required. Open microphone and access main PCB assembly.
Remove blue wire from hangup button to PCB. Solder a 12 kilohm
resistor from the hangup button to the yellow wire terminal on the PTT
switch. Insulate resistor with tape to prevent shorting. This allows
proper CTCSS operation when used with a grounded hangup bracket.

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)
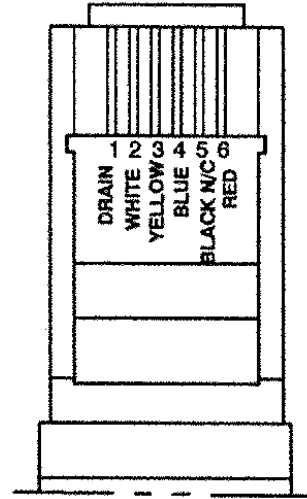
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   DRAIN
PIN 2   WHITE
PIN 3   YELLOW
PIN 4   BLUE
PIN 5   NO CONNECTION (BLACK LEAD OCCUPYING
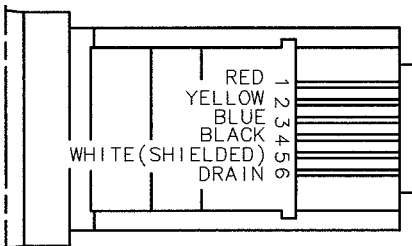   SLOT; NO CONTACT USED)
PIN 6   RED

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT
microphones, red jumper from D-E (W301) must be
removed. In later production units, the red jumper
D-E (W301) is moved to location F-G (W309), per
data sheet instructions. (No modification required
for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)
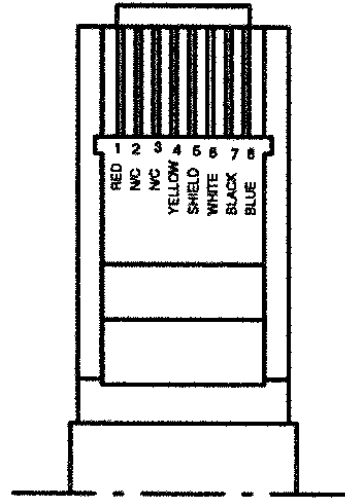
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   RED
PIN 2   NO CONNECTION
PIN 3   NO CONNECTION
PIN 4   YELLOW
PIN 5   SHIELD
PIN 6   WHITE
PIN 7   BLACK
PIN 8   BLUE
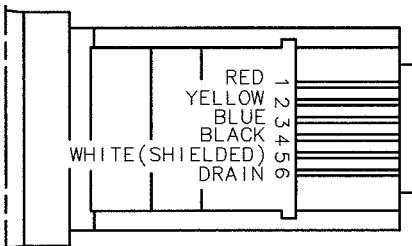
CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

SHURE

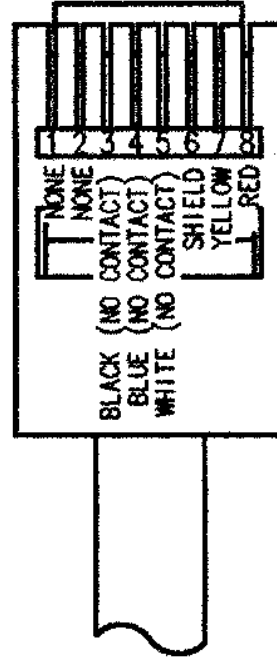| MODEL NUMBER	CONNECTOR
ALM-47	MODULAR 8-PIN

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION
PIN 2   NO CONNECTION
PIN 3   NO CONNECTION (BLACK LEAD OCCUPYING
           SLOT; NO CONTACT USED)
PIN 4   NO CONNECTION (BLUE LEAD OCCUPYING
           SLOT; NO CONTACT USED)
PIN 5   NO CONNECTION (WHITE LEAD OCCUPYING
           SLOT; NO CONTACT USED)
PIN 6   SHIELD
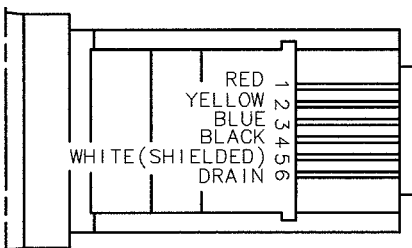PIN 7   YELLOW
PIN 8   RED

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T, 885TT, AND 890TT
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

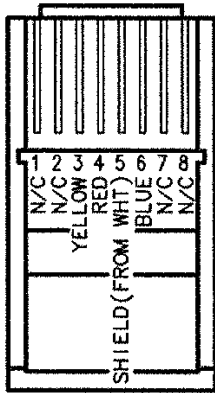| RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN
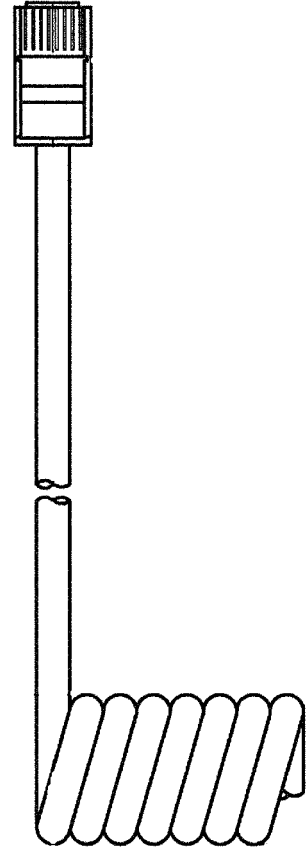
CONNECTOR PIN ASSIGNMENTS:

PIN 1   NO CONNECTION
PIN 2   NO CONNECTION
PIN 3   YELLOW
PIN 4   RED
PIN 5   SHIELD
PIN 6   BLUE
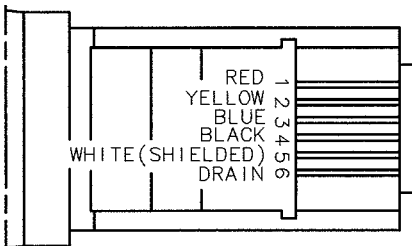PIN 7   NO CONNECTION
PIN 8   NO CONNECTION

BLACK AND WHITE CONDUCTORS NOT USED

CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

SHURE

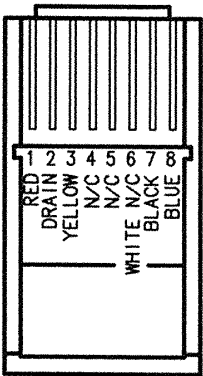| MODEL NUMBER	CONNECTOR
ALM-49	8-PIN MODULAR

CONNECTOR WIRING AT RADIO END
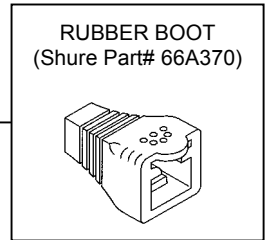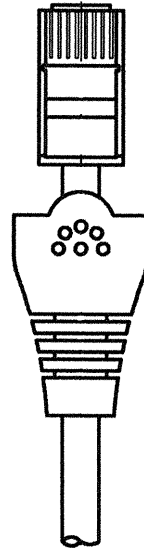
CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   RED
PIN 2   DRAIN
PIN 3   YELLOW
PIN 4   NO CONNECTION
PIN 5   NO CONNECTION
PIN 6   NO CONNECTION (WHITE LEAD OCCUPYING
              SLOT; NO CONTACT USED)
PIN 7   BLACK
PIN 8   BLUE

RUBBER BOOT
(Shure Part# 66A370)
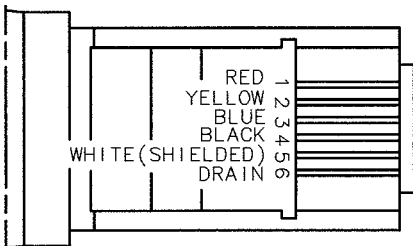
CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T MICROPHONES ONLY

For CHANNEL GUARD™ or scanning option, cut
blue wire to hang-up button in microphone or install
logic inverter in radio.

29G2127

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

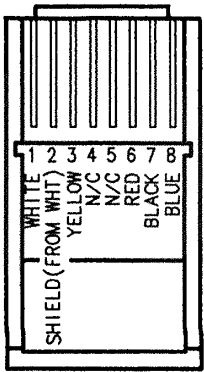| RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END
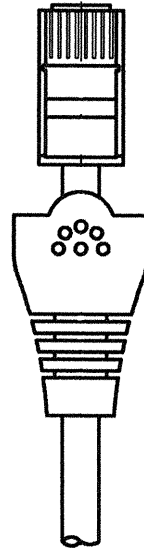
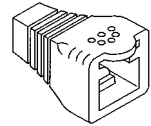CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1   WHITE
PIN 2   SHIELD (FROM WHITE)
PIN 3   YELLOW
PIN 4   NO CONNECTION
PIN 5   NO CONNECTION
PIN 6   RED
PIN 7   BLACK
PIN 8   BLUE

RUBBER BOOT
(Shure Part# 66A370)

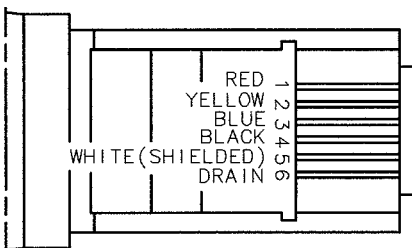CONNECTOR WIRING DETAIL
(LOCKING TAB ON REVERSE SIDE)

INSTRUCTION TAG

IMPORTANT INFORMATION!
CABLE AND CONNECTOR ASSEMBLY FOR
MODEL 590T MICROPHONES ONLY

For CHANNEL GUARD™ or scanning option, cut
blue wire to hang-up button in microphone or install
logic inverter in radio.

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STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: TWO-PRONG RIGHT-ANGLE PLUG
                                 (3.5mm MONO PLUG AND 2.5mm MONO PLUG)

NOTE: CONNECTOR IS MOLDED ONTO CABLE, AND
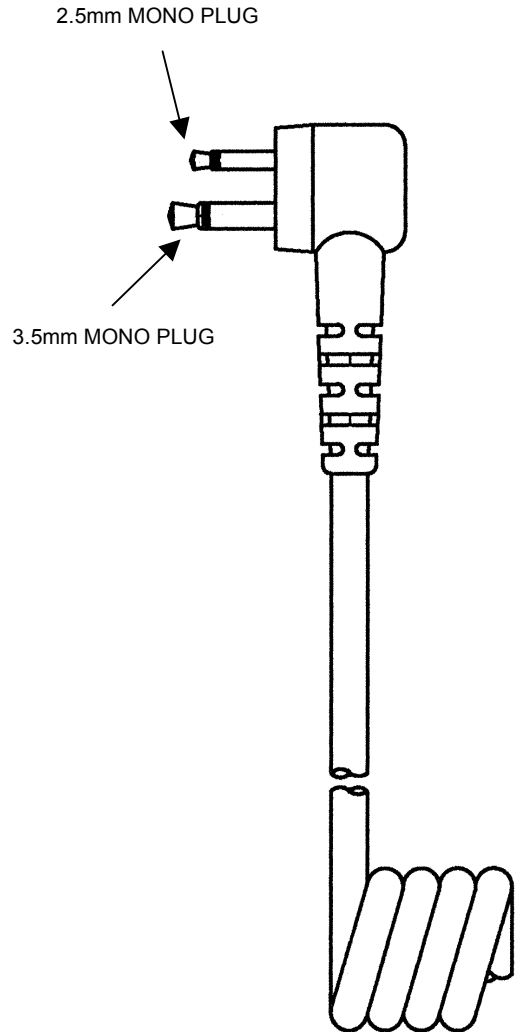REQUIRES SPECIAL EQUIPMENT FOR INSTALLATION

CONNECTOR WIRING:

    2.5mm MONO PLUG:

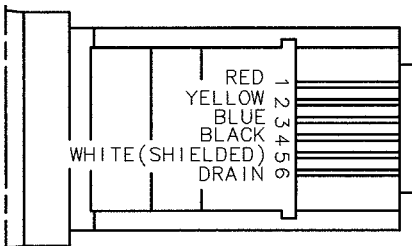|	
TIP	WHITE
SLEEVE	SHIELD

    3.5mm MONO PLUG:

TIP	BLUE
SLEEVE	BLACK

    RED AND YELLOW CONDUCTORS NOT USED

2.5mm MONO PLUG

3.5mm MONO PLUG

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   YELLOW   BLUE   BLACK   WHITE(SHIELDED)   DRAIN
1 2 3 4 5 6

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: TWO-PRONG STRAIGHT PLUG
                          (3.5mm MONO PLUG AND 2.5mm MONO PLUG)

NOTE: THIS CONNECTOR IS MOLDED ONTO THE CABLE, AND
CANNOT BE INSTALLED WITHOUT SPECIAL EQUIPMENT

CONNECTOR WIRING:

    2.5mm MONO PLUG:

    TIP   WHITE
    SLEEVE   SHIELD
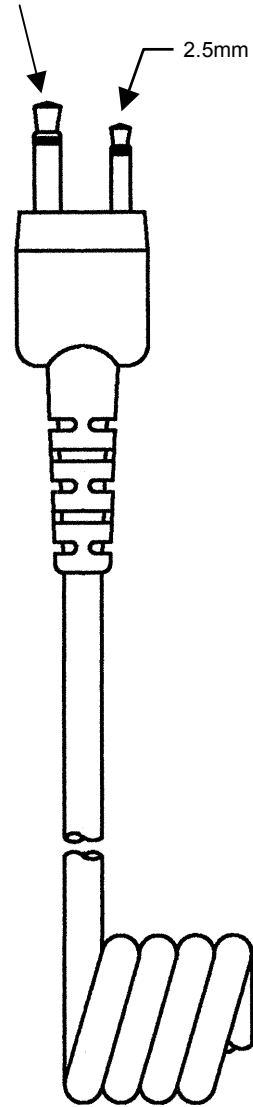
    3.5mm MONO PLUG:

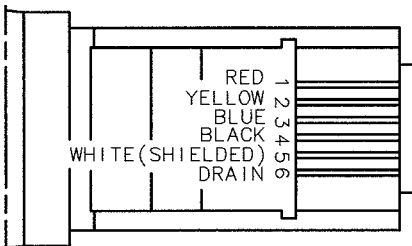   TIP   BLUE
    SLEEVE   BLACK

    RED AND YELLOW CONDUCTORS NOT USED

3.5mm MONO PLUG

2.5mm MONO PLUG

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   1
YELLOW   2
BLUE   3
BLACK   4
WHITE(SHIELDED) 5
DRAIN   6

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: TWO-PRONG RIGHT-ANGLE PLUG
                   (3.5mm MONO PLUG AND 2.5mm MONO PLUG)

NOTE: CONNECTOR IS MOLDED ONTO CABLE, AND
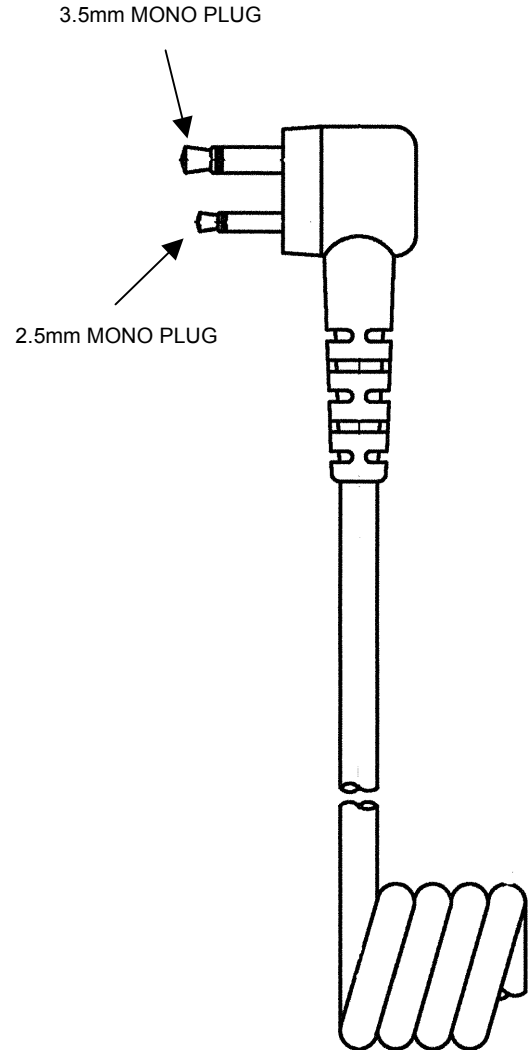REQUIRES SPECIAL EQUIPMENT FOR INSTALLATION

CONNECTOR WIRING:

    2.5mm MONO PLUG:

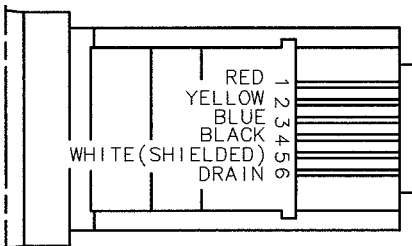   TIP   WHITE
    SLEEVE   SHIELD

    3.5mm MONO PLUG:

    TIP   BLUE
    SLEEVE   BLACK

    RED AND YELLOW CONDUCTORS NOT USED

3.5mm MONO PLUG

2.5mm MONO PLUG

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   AMPLIFIED AUDIO OUTPUT, AND
               DC BIAS VOLTAGE INPUT
WHITE   NON-AMPLIFIED AUDIO OUTPUT
YELLOW   PTT SWITCH
BLACK   PTT SWITCH GROUND
BLUE   HANG-UP BUTTON
DRAIN   GROUND

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN

1
2
3
4
5
6

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: TWO-PRONG RIGHT-ANGLE PLUG
                 (3.5mm STEREO PLUG AND 2.5mm
                 MONO PLUG)

NOTE: CONNECTOR IS MOLDED ONTO CABLE, AND
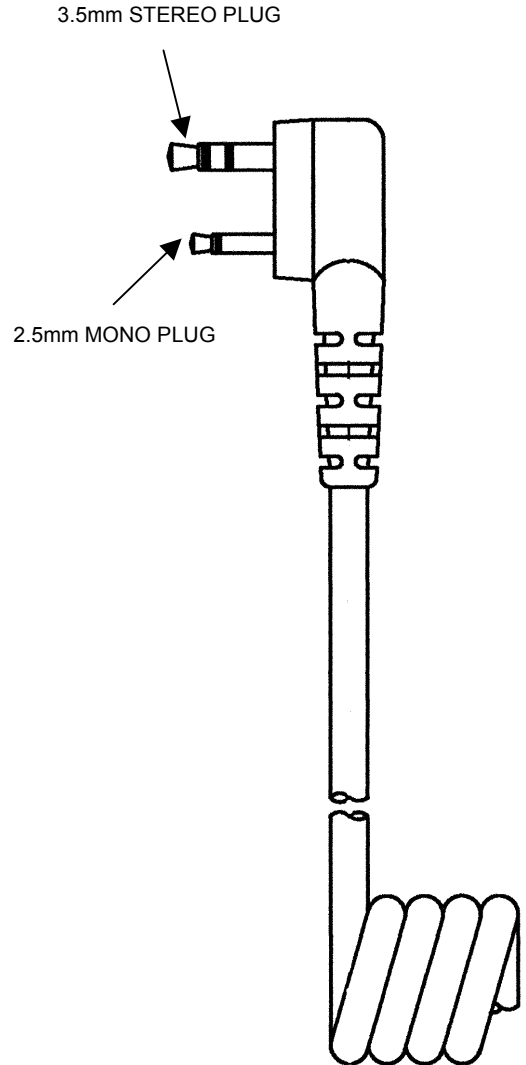REQUIRES SPECIAL EQUIPMENT FOR INSTALLATION
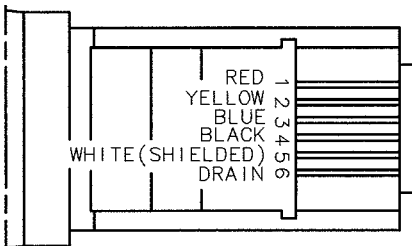
CONNECTOR WIRING:

    2.5mm MONO PLUG:

    TIP   BLUE
    SLEEVE   BLACK & YELLOW

    3.5mm STEREO PLUG:

    TIP   RED
    RING   WHITE
    SLEEVE   SHIELD

3.5mm STEREO PLUG

2.5mm MONO PLUG

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   YELLOW   BLUE   BLACK   WHITE(SHIELDED)   DRAIN

1 2 3 4 5 6

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: MOTOROLA JEDI CONNECTOR
    (SHURE PART# 95B2156, SUPPLIED BY
    DTC COMMUNICATIONS, INC.)

NOTE: CONDUCTORS ARE SOLDERED TO A PC BOARD INSIDE
THE CONNECTOR, NOT DIRECTLY TO CONNECTOR PINS

CONDUCTOR	PC BOARD CONNECTION	PIN ON CONNECTOR
RED	S5	4
YELLOW	S6	5
BLUE	S4	2
BLACK	S7	6
WHITE	S1	3
DRAIN	S3	1, 8
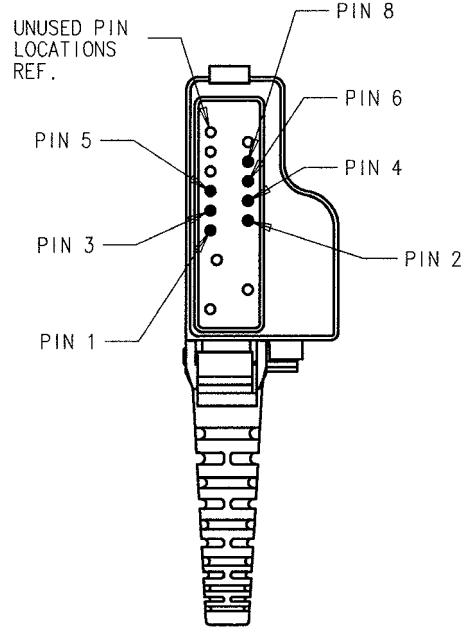
INSTRUCTION TAG

ALM-54 MODULINK CORDSET

For use with Shure Model 810M Speaker Microphone
and Motorola Models HT1000, GP1200, MT2000,
XTS3000, MTX838, MTX8000, MTX9000
Portable Radios only.
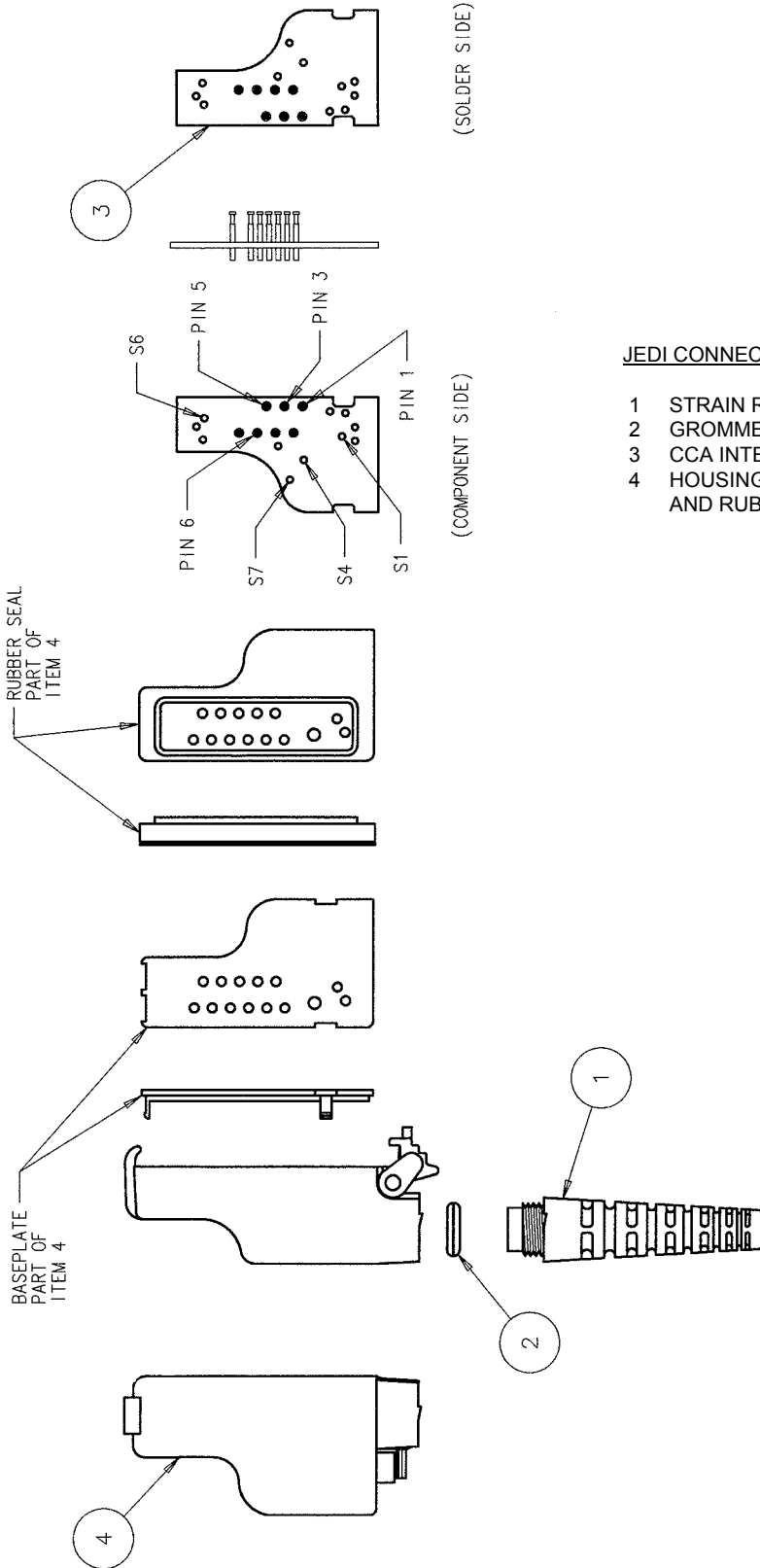
Not for use with Shure 810 Speaker Microphones.

29P2127

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

SHURE ®

MODEL NUMBER

ALM-54 (page 2 of 2)

TERMINATION

MOTOROLA JEDI
CONNECTOR

(SOLDER SIDE)

3

PIN 5

PIN 3

S6

PIN 1

(COMPONENT SIDE)

PIN 6

S7

S4

S1
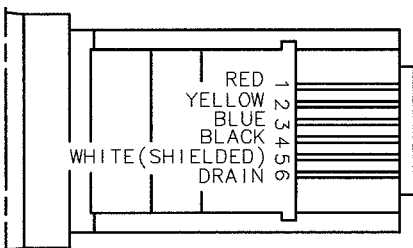
JEDI CONNECTOR COMPONENTS

1   STRAIN RELIEF
2   GROMMET
3   CCA INTERFACE
4   HOUSING (INCLUDES BASE PLATE
      AND RUBBER SEAL)

RUBBER SEAL
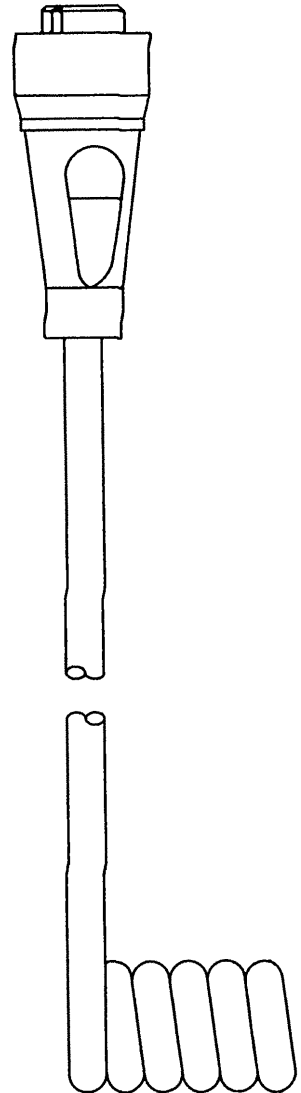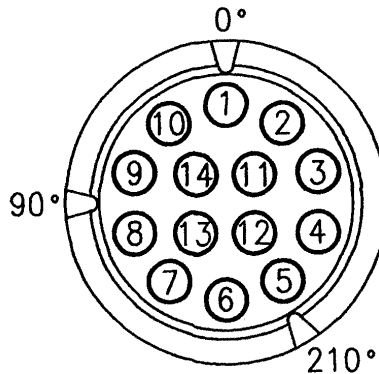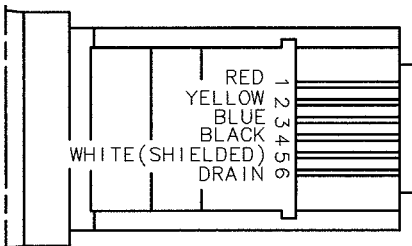PART OF
ITEM 4

1

BASEPLATE
PART OF
ITEM 4

2

4

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 14-PIN ROUND PLUG
                        (ALDEN PL700N-GP)

NOTE: CONNECTOR IS MOLDED ONTO CABLE AND
REQUIRES SPECIAL EQUIPMENT FOR INSTALLATION

CONNECTOR PIN ASSIGNMENTS:

PIN 1   RED
PIN 2   BLACK
PIN 3   NO CONNECTION
PIN 4   NO CONNECTION
PIN 5   YELLOW
PIN 6   NO CONNECTION
PIN 7   BLUE
PIN 8   SHIELD
PIN 9   NO CONNECTION
PIN 10   NO CONNECTION
PIN 11   NO CONNECTION
PIN 12   NO CONNECTION
PIN 13   NO CONNECTION
PIN 14   NO CONNECTION

WHITE CONDUCTOR NOT USED

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   AMPLIFIED AUDIO OUTPUT, AND
           DC BIAS VOLTAGE INPUT
WHITE   NON-AMPLIFIED AUDIO OUTPUT
YELLOW   PTT SWITCH
BLACK   PTT SWITCH GROUND
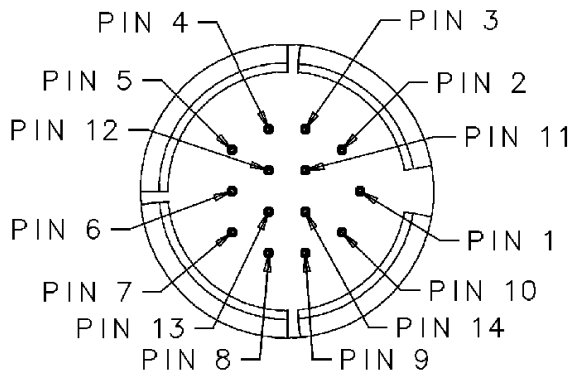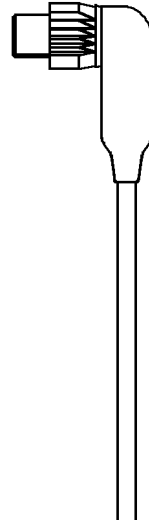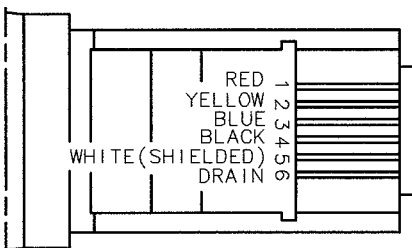BLUE   HANG-UP BUTTON
DRAIN   GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 14-PIN ROUND RIGHT-ANGLE PLUG
(ALDEN PART NUMBER 106825)

NOTE: CONNECTOR IS MOLDED ONTO CABLE AND
REQUIRES SPECIAL EQUIPMENT FOR INSTALLATION

CONNECTOR PIN ASSIGNMENTS:

PIN 1   RED
PIN 2   BLACK
PIN 3   NO CONNECTION
PIN 4   NO CONNECTION
PIN 5   YELLOW
PIN 6   NO CONNECTION
PIN 7   BLUE
PIN 8   SHIELD
PIN 9   NO CONNECTION
PIN 10   NO CONNECTION
PIN 11   NO CONNECTION
PIN 12   NO CONNECTION
PIN 13   NO CONNECTION
PIN 14   NO CONNECTION

PIN 4   PIN 3
PIN 5   PIN 2
PIN 12   PIN 11
PIN 6   PIN 1
PIN 7   PIN 10
PIN 13   PIN 14
PIN 8   PIN 9

BACK VIEW OF RIGHT
ANGLE PLUG
(SOLDER CUPS)

NOTE: LOCATION OF PIN 1
IS DENOTED BY A GROOVE
IN THE CONNECTOR BODY

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN
1 2 3 4 5 6

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)
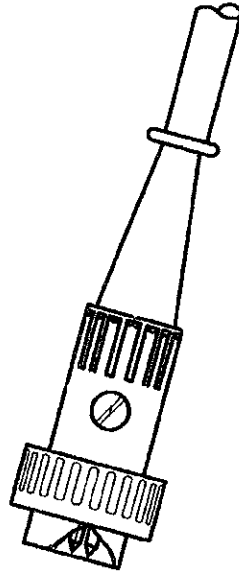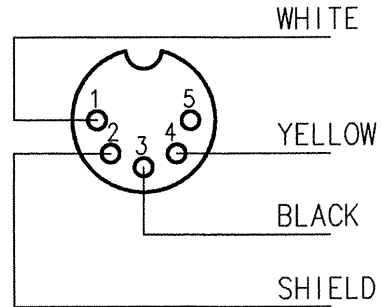
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 5-PIN ROUND PLUG
   (SWITCHCRAFT PART# 12CL5M)

CONNECTOR PIN ASSIGNMENTS:

PIN 1   WHITE
PIN 2   SHIELD
PIN 3   BLACK
PIN 4   YELLOW
PIN 5   NO CONNECTION

RED AND BLUE CONDUCTORS NOT USED

WHITE

YELLOW

BLACK

SHIELD

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

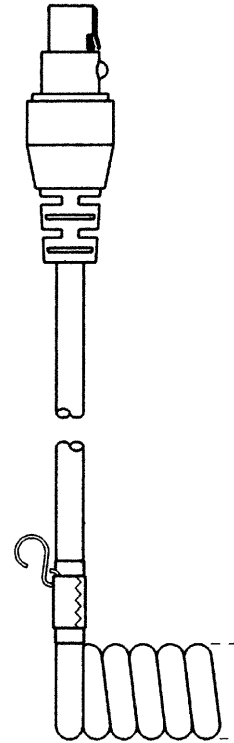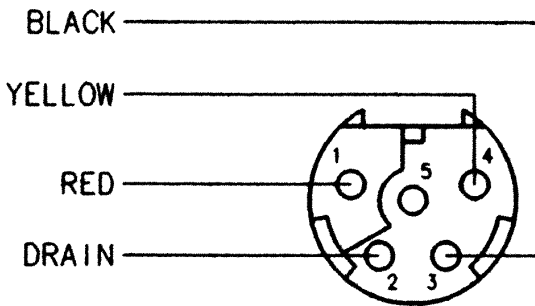(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END
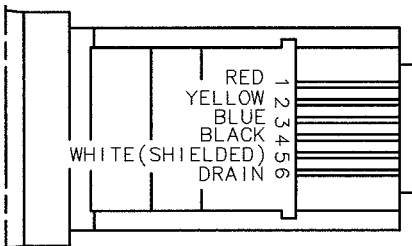
CONNECTOR TYPE: 5-PIN SWITCHCRAFT TINY-QG

NOTE: CONNECTOR IS OVERMOLDED
ONTO CABLE. SPECIAL EQUIPMENT IS
REQUIRED FOR ASSEMBLY.

PIN 1   RED
PIN 2   DRAIN
PIN 3   BLACK
PIN 4   YELLOW
PIN 5   NO CONNECTION

WHITE AND BLUE CONDUCTORS NOT USED

BLACK
YELLOW
RED
DRAIN

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN
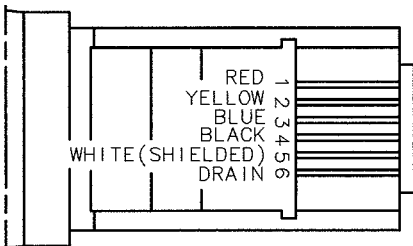
RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

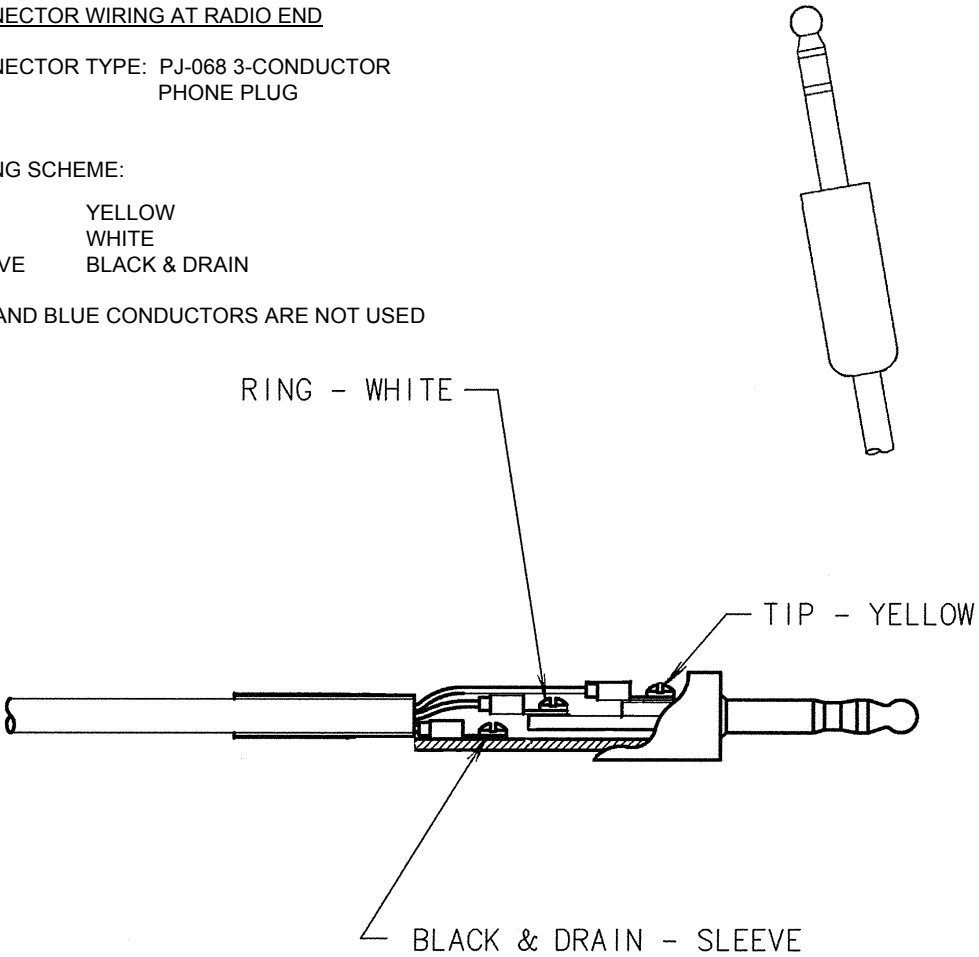(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: PJ-068 3-CONDUCTOR
PHONE PLUG

WIRING SCHEME:

TIP   YELLOW
RING   WHITE
SLEEVE   BLACK & DRAIN

RED AND BLUE CONDUCTORS ARE NOT USED

RING — WHITE

TIP — YELLOW

BLACK & DRAIN — SLEEVE

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED
YELLOW
BLUE
BLACK
WHITE(SHIELDED)
DRAIN

1 2 3 4 5 6

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)
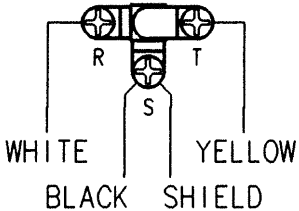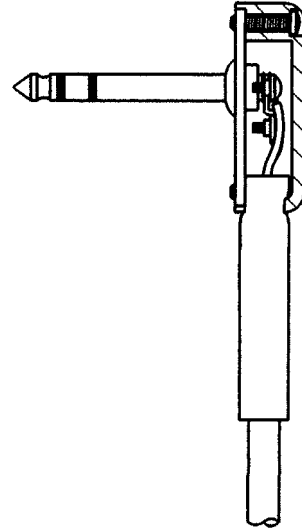
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 3-CONDUCTOR RIGHT-ANGLE
PHONE PLUG
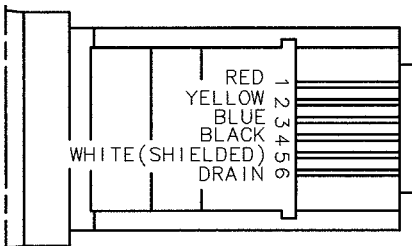(SWITCHCRAFT PART# S230)

WIRING SCHEME:

TIP   YELLOW
RING   WHITE
SLEEVE   BLACK & SHIELD/DRAIN

RED AND BLUE CONDUCTORS ARE NOT USED

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

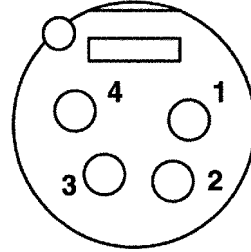| RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 4-PIN MALE XLR PLUG
(Switchcraft A4M)
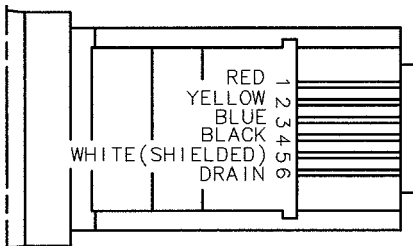
CONNECTOR PIN ASSIGNMENTS:

PIN 1   YELLOW
PIN 2   BLACK
PIN 3   WHITE
PIN 4   SHIELD OF WHITE LEAD

RED AND BLUE CONDUCTORS ARE NOT USED

CONNECTOR PIN CONFIGURATION

STANDARD MICROPHONE-END CONNECTOR WIRING
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

RED   AMPLIFIED AUDIO OUTPUT, AND
             DC BIAS VOLTAGE INPUT
WHITE   NON-AMPLIFIED AUDIO OUTPUT
YELLOW   PTT SWITCH
BLACK   PTT SWITCH GROUND
BLUE   HANG-UP BUTTON
DRAIN   GROUND

(LOCKING TAB ON REVERSE SIDE)