

## Description and Wiring Diagrams

### Model PH-16 Headset



### General Description

PH-16 is a monaural headset with a noise canceling dynamic microphone. The PH-16 is designed to fit under a helmet with an environmental protection agency noise reduction rating (NRR) of 24 dB. The headset cord is terminated with a 4 pin XLR female connector.

### Design Features

The dynamic receivers have special mountings which resist shock, vibration and acoustic feedback. The ear cups are foam lined for added noise attenuation. The vented, foam-filled ear cushions combine comfort with good acoustic seal. The receivers and ear cushions are field-repairable.

The headband has two adjustments: the behind-the-head portion adjusts the pressure of the ear cups against the head, and is adjustable simply by applying pressure to the headband springs while wearing the unit; the over-the-head portion provides adjustment for different head sizes, and consists of mating hook and pile straps.

The headset features a boom arm with a sealed ball-and-socket joint and flexible boom for precise microphone placement. The microphone cordage is completely concealed and protected within the boom arm.

### Specifications

#### Receivers:

Type: Dynamic  
Input Impedance: 300 Ohms at 1 kHz  
Frequency Response: 350 Hz to 3.0 kHz  
Sensitivity: 103dB (1mW @ 1 kHz input at max. volume setting)

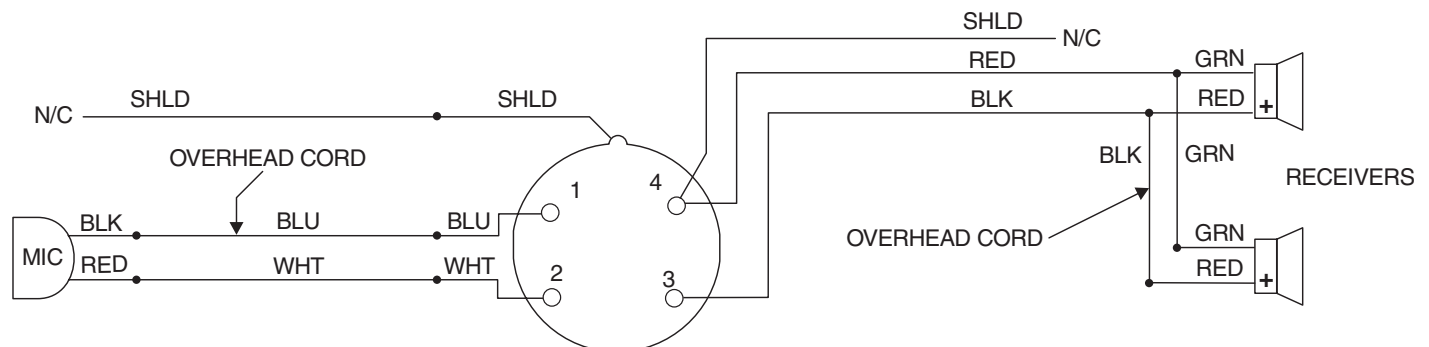
#### Microphone:

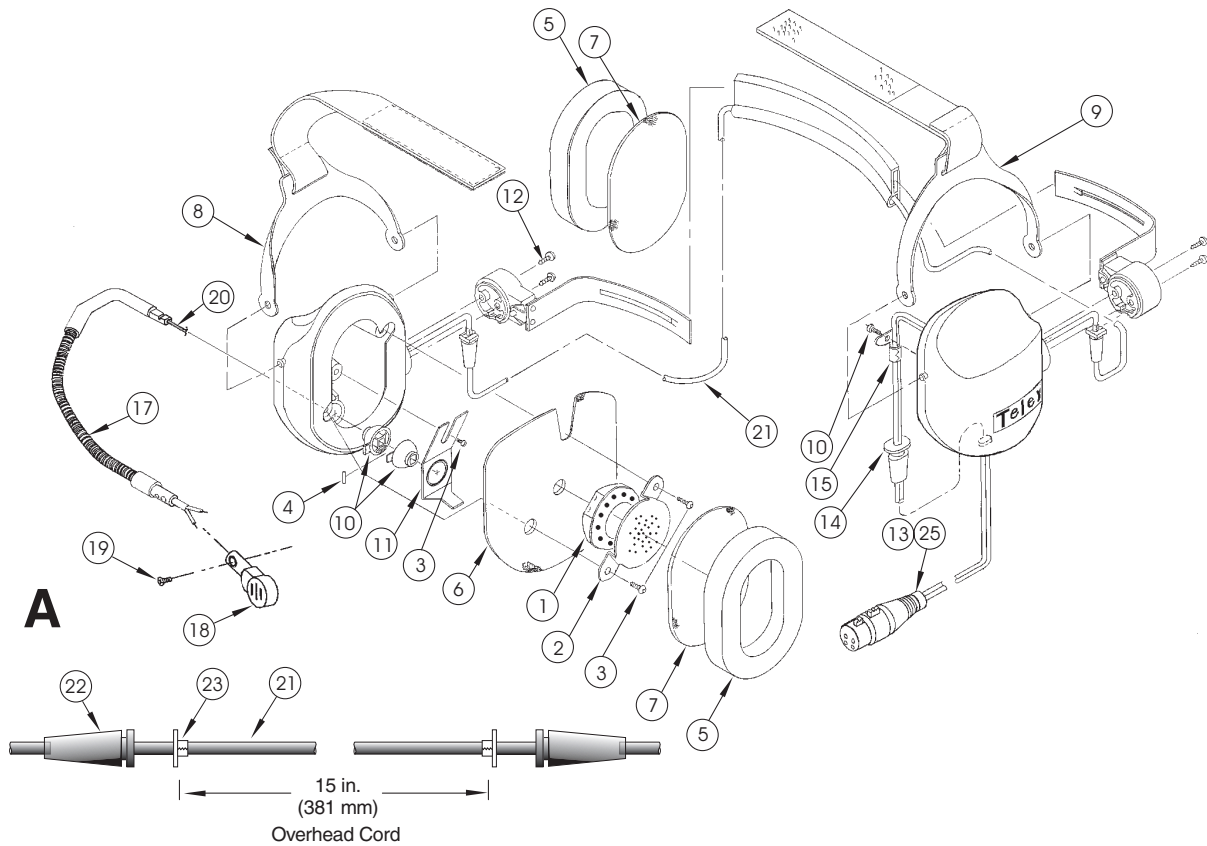
Element Type: Noise-cancelling dynamic  
Output Impedance: 150 ohms  
Frequency Response: 100 Hz - 8 kHz  
Sensitivity: -83 dB (ref.: 0 dB = 1 v/bar  
Matching Impedance: 50-600 ohms  
Cordage: Straight cord Approximately 5 1/2' (-101)  
Coiled cord (optional)

**Connectors:** 4 pin XLR female

**Weight:** Gross Weight: Approx. 20 oz. (567 grams)

**Color:** Non-reflective satin black





Item	Part #	Description	Qty
1	590175-001	Driver	1
2	700262-000	Bracket	1
3	51856-007	Plastite Screw, 6-19 x 3/8	6
4	70381-000	Boom Stop	1
5	70451-001	Cushion Assy.	2
6	70762-000	Acoustic Foam	2
7	70802-000	Driver Cover	2
8	58632-000	Headband Strap Assy.	1
9	58632-001	Headband Strap Assy.	1
10	63451-003	Ball Half	2
11	70811-000	Ball Joint Spring	1
12	51856-610	Plastite Screw, 6-19 x 5/8	4

Item	Part #	Description	Qty
13	70805-003	Coiled Cord Assy. W/Connector	1
14	63456-010	Strain Relief	1
15	54462-000	Terminal	1
16	53105-000	Pin Receptacle	4
17	71115-002	Flex Boom	1
18	800062-002	Dynamic Microphone Assy.	1
19	51845-018	Screw, Pan Head, Phillips, 2-56 x 1/8	2
20	60051-277	Cord Unit	1
21	70754-011	Overhead Cord, 2'	1
22	70812-000	Strain Relief	2
23	52888-003	Retainer	2
24	70805-008	Straight Cord	1

## ORDERING INFORMATION

PH-16 Under-Helmet Headset ..... Catalog no. 70770-101/100

# TELEX®