WIRE SIDE VIEW OF HARNESS (FEMALE) CONNECTOR
THIS IS HOW THE PIN LOCATION'S ARE NUMBERED
WHILE SOLDERING OR INSERTING CRIMPED PINS INTO
THE CONNECTOR HOUSING.

+14V
GROUND
MUSIC IN
COMM AUDIO IN
XMIT MIC OUT
XMIT PTT OUT
AUX AUDIO IN
COPILOT PHONES
PILOT PHONES
COPILOT PTT
COPILOT MIC
PUSH TO TALK
PILOT MIC HI

PHONES
GND
MIC HI
PTT
COMM 1

MIC HI
PTT
GND
PHONES
COMM 2

TRANSMIT SELECT
SWITCH

ALL WIRES 22AWG
### XCOM Intercom DIY Wiring Diagram

#### DB 15 Pinouts

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pilot Microphone</td>
</tr>
<tr>
<td>2</td>
<td>Co-Pilot Microphone</td>
</tr>
<tr>
<td>3</td>
<td>Music audio input</td>
</tr>
<tr>
<td>4</td>
<td>COM 1 Audio Input</td>
</tr>
<tr>
<td>5</td>
<td>AUX Audio Input</td>
</tr>
<tr>
<td>6</td>
<td>PTT Co-Pilot</td>
</tr>
<tr>
<td>7</td>
<td>PTT Pilot</td>
</tr>
<tr>
<td>8</td>
<td>PTT COM 1 Output</td>
</tr>
<tr>
<td>9</td>
<td>Power In + 12 Volts</td>
</tr>
<tr>
<td>10</td>
<td>COM 1 Mike Out</td>
</tr>
<tr>
<td>11</td>
<td>Ground</td>
</tr>
<tr>
<td>12</td>
<td>PAX Mike In</td>
</tr>
<tr>
<td>13</td>
<td>PAX Headphones Out</td>
</tr>
<tr>
<td>14</td>
<td>Pilot Headphones Out</td>
</tr>
<tr>
<td>15</td>
<td>Co-Pilot Headphones Out</td>
</tr>
</tbody>
</table>

#### NOTES: Don’t cheat on your plane & Equipment. ONLY use TEFZEL Aircraft quality wire for all harnesses, it may cost more than ordinary wire but the results are well worth the extra expense.

#### Power

- **Pins 9 & 11**: Pin No. 9 is the positive in, connect to a battery or to your positive wires in the aircraft, it MUST have a 500 ma fuse fitted. Pin No. 11 must be connected to a good ground, a lot of radio / intercom problems come back to a poor ground, ground to radio chassis also.

#### Radio Connection

- **Pins 8, 10 & 4**: Pin No. 8 is the COM 1 PTT out pin, this makes the radio transmit. Pin No. 10 is COM 1 Mike out allows your voice to be broadcast via the intercom to the radio. Pin No. 4 is the COM 1 audio input, this allows you to hear the radio broadcasts.

#### Music IN Pin 3

- Pin No. 3 is the music input which allows you to listen to radio, CD, MP3 or other devices.

#### Aux IN Pin 5

- Pin No. 5 is the Auxiliary IN, this can be used for a second COM, landing gear warnings, stall warnings etc… where you want to hear the sound through your headsets.

#### Pin 12 & 13

- Pins No. 12 and 13 are used in the 4 place intercom for wiring the position 3 and 4 headsets into the XCOM Intercom.