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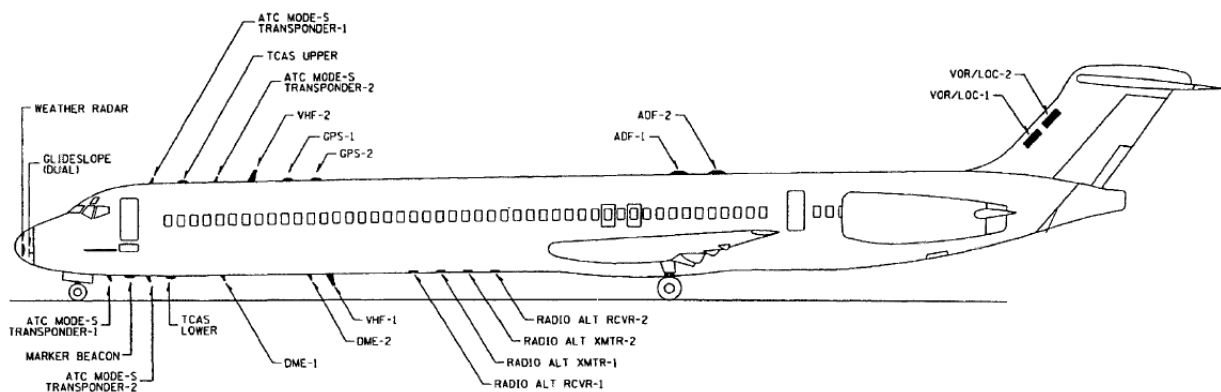
## GENERAL

Flight interphone system, VHF communications equipment, ATC transponder, service interphone system and passenger address (PA) comprise the basic communications system.

The MD82 has two different transceiver VHF radios. They are named VHF1 and VHF2 and can operate separately or simultaneously. These radios are used to transmit/receive information between aircraft and ground or between two aircraft. VHF-1 and VHF-2 radios are located in the radio panel.

The MD82 has two ATC transponders but they cannot work simultaneously.

### Antenna location



## FLIGHT INTERPHONE SYSTEM

### AUDIO CONTROL PANEL (3)

**Receive Button PUSHED:** To monitor desired media audio signal; push again to discontinue monitoring.



**Transmit Button PUSHED:** Connects microphones to the selected system. Only one button at a time can be latched down.

**ADF (1,2) Receive Switches:** Selects ADF receiver audio.

## VHF COMM

Active Frequency (MHz)


**TFR:** Selector for transferring the frequency from "Standby" to "Active" frequency and vice versa.

Stand-by frequency



**TEST button.** Press to test the communication radio.

**Selector knob:** rotate it to select the standby frequency.

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## TRANSPONDER

The transponder is automatically switched off when the airplane is on the ground.

**XPNDR1:** system number 1 in use.  
**XPNDR2:** system number 2 in use.  
**IDENT:** Pushing this button will send an IDENT signal.  
**ATC LIGHT:** the ATC indicator is illuminated when in XPNDR mode.  
**FID LIGHT:** the FID indicator is illuminated when in FLIGHT ID mode. It flashes while a new FLIGHT ID code is being entered.  
**XPNDR FAIL LIGHT ON:** System fault, the other system must be selected.


### MODE SELECTOR KNOB.

**STBY:** Transponder and TCAS are OFF.  
**ALT OFF:** Transponder is active but the system will not send altitude information.  
**TA:** Transponder is active and the system will also send altitude information and generates Traffic Advisories only.  
**TA/RA:** Transponder is active and the system will also send altitude information and generates Traffic Advisories and Resolution Advisories.  
**TEST (push button):** tests TCAS and transponder systems.

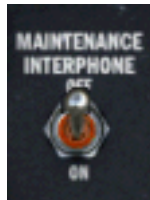


**SCRATCHPAD:** In ATC mode use these keys to set the 4 digits Transponder code, as required by ATC.  
**SCRATCHPAD:** In FID mode use these keys to set the Aircraft ID number that the system will broadcast to ATC when under S mode coverage.  
**RNG+/RNG-:** increases or decreases the displayed range of the integrated TCAS in VSI (3/5/10/15 nm).  
**ATC/FID:** switches between ATC/FID mode for scratchpad input.  
**FL:** the display will show absolute flight level of intruder traffic. It will revert to normal after a few seconds.  
**A/N/B:** cycles between above/normal/below modes for displaying intruders.  
**CLR:** clears last selected digit.  
**ENT:** enters selected values in the system.

For more information and descriptions of the TCAS system, please see chap. 15 Navigation System.

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## SERVICE INTERPHONE SYSTEMS



### MAINTENANCE INTERPHONE Switch

**ON:** Connects all interphone jacks to the service interphone system.

**OFF:** Isolates from the service interphone system certain external jacks.

### AFT OVERHEAD PANEL

## CALL SYSTEMS

### MECH CALL Switch

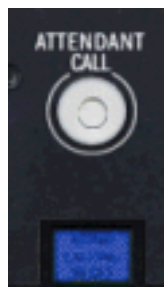
**PUSHED** (momentarily):  
Activates a horn (located in the nose wheel) to alert the ground mechanic.



### AFT OVERHEAD PANEL

### ATTND CALLING/Reset Switch-Light – Blue:

Comes on simultaneously with chime when cabin attendants PILOT CALL button is pushed. Push to reset.



### OVERHEAD PANEL

### ATTENDANT CALL Button PUSHED (momentarily):

Activates a high low electronic chime on PA system.