

MODEL 230 as of 1.6.04

except CODE (498) Japanese version

except CODE (494a) USA version

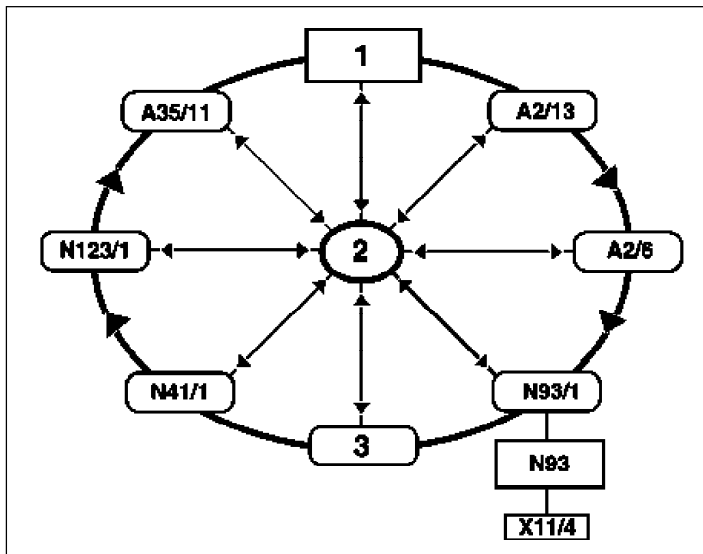
MODEL 230 as of 1.7.04

with CODE (494a) USA version

except CODE (498) Japanese version

Sequence of MOST components

- 1 Radio (A2) or COMAND operating, display and control unit (A40/3)
- 2 Wake-up
- 3 TV tuner (MOST) (A2/10) or SDAR control unit (N87/5) (USA only)
- A2/6 CD player with changer
- A2/13 Sound amplifier
- A35/11 Voice control system control unit
- N41/1 Navigation processor
- N93/1 Audio gateway control unit
- N123/1 Universal Portable CTEL Interface (UPCI [UHI]) control unit



P82.85-9957-11

MOST (Media Oriented System Transport)

The MOST is a networking system consisting of a fiber optical cable that utilizes the facilities of optical data transmission.

With this system, data are transferred by light pulses. These are transmitted to the components connected to the MOST ring (e.g. CD changer (A2/6)).

The light pulses are then converted back into electrical signals in the receiver component.

Because of its fast transfer speed, the MOST ring can transmit source data (music, video, voice, etc.) and control data (commands, etc.) simultaneously without affecting the content of the information. This reduces the quantity of wiring considerably.

The components that are connected therefore only need 2 lines for the voltage supply, 2 lines (input/output) for the fiber optical cable of the MOST and 1 line for the wake-up signal.

Data transmission using fiber optical cable has the following advantages:

- Extremely high data transmission rate
- Prevents tapping and cross-talk
- Data transmission is not sensitive to electromagnetic radiation
- Short-circuit resistance
- Floating connection to the MOST ring participants
- No oxidation
- Low weight of fiber optical cable
- Small line diameter

The COMAND operating, display and control unit (A40/3) has a major function within the MOST ring structure. All the components connected to the MOST ring can be operated from here.

When the system is first put into operation, a system test is performed. During the test, the individual components and their order in the MOST ring structure are recorded by the audio gateway control unit (N93/1) and compared to the source and control data of the equipment-specific sequence of the factory-stored data.

With the assistance of STAR DIAGNOSIS, the components in the audio gateway control unit (N93/1) can be re-coded (e.g. variant coding).

The MOST has an enclosed ring structure. The components are arranged in a ring line (series circuit). This arrangement is adapted according to the series.

The information is transmitted in only one direction, meaning that the light pulses for the voice control system control unit (A35/11) run through all the components connected to the MOST ring.

The MOST ring has diagnosis capability via the audio gateway control unit (N93/1).

	Data transfer, function	GF82.00-P-2000RA
--	-------------------------	------------------