

DATA SET 202B  
TRANSMITTER-RECEIVER  
INSTALLATION

1. GENERAL

1.01 This section is reissued to:

- Change ac receptacle to add note to Fig. 1 and 2.

1.02 This section does not include information concerning any business machine used with the data set.

2. INSTALLATION

2.01 Data set 202B shall be installed in conformance with existing practices covering installation of station sets. Fig. 1 and 2 show main components of typical installation layouts for two of the various service features offered with the data set.

2.02 Locate data set within range of the business machine interface connector cord. This cord, supplied by the customer, must not exceed 50 feet in length.

*Note:* If required, a 180A backboard may be used to mount the data set vertically.

2.03 To avoid interference during data transmission, the following instructions apply to the *data line* where practicable.

- Do not connect extension telephones.
- Use only on individual lines.



*The data set is not equipped for A lead control on the data line.*

2.04 Verify that the overall facilities have been tested and meet the transmission requirements specified in Section 314-205-500.

2.05 To minimize inductive interference to data signals on the telephone (data) line, the line should not be carried in the same run as the cable between data set and customer's business machine or lines connected to dc teletypewriter services. If this condition cannot be met, it will be necessary to run telephone (data) line in type SK (shielded) station wire between data set and cable distribution terminal or building entrance.



*Ground shield at one end only, preferably the distribution terminal end.*

2.06 The customer shall furnish a standard 3-wire grounding type power receptacle. This receptacle must be on a circuit that is not controlled by a switch.

2.07 To avoid the possibility of data errors due to a potential difference between data set ground and business machine ground, the outlet for the data set power cord should be served from the same ac distribution panel as the business machine. If they are not served from the same panel, a test using the 6A impulse counter should be made to detect the presence of noise potentials. This test procedure is described in Section 592-014-500. If test requirement is not met, data set ground and business machine ground must be bonded together.



*The method of providing this bond should be in accordance with local instructions.*

2.08 At time of installation a complete test of the data set should be made as outlined in Section 592-014-500.

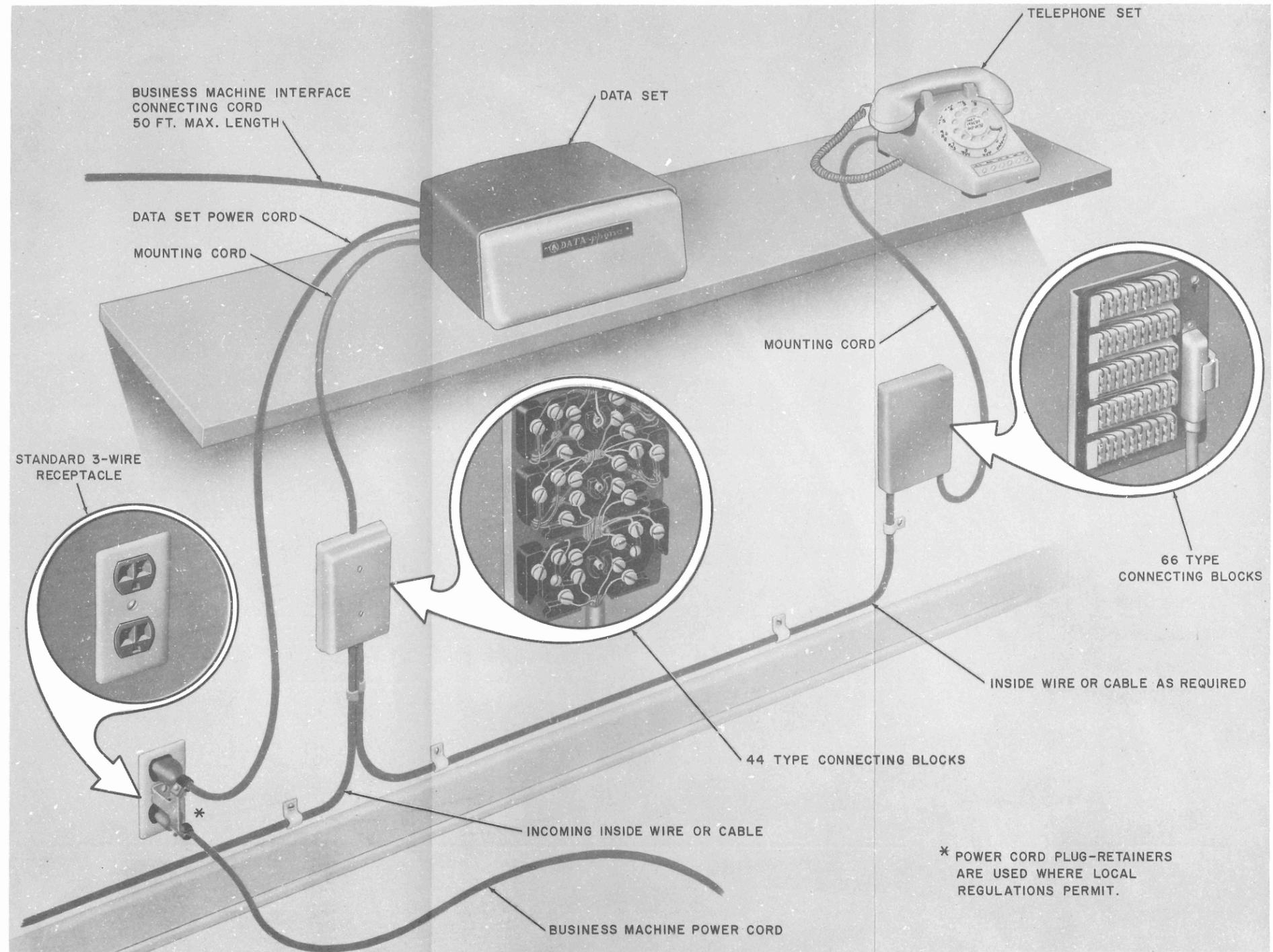


Fig. 1 — Main Components of a Typical Installation Layout — Data Set 202B and Telephone Set Connected to Two-Wire Switched Network — No Provision for use with Key Telephone System

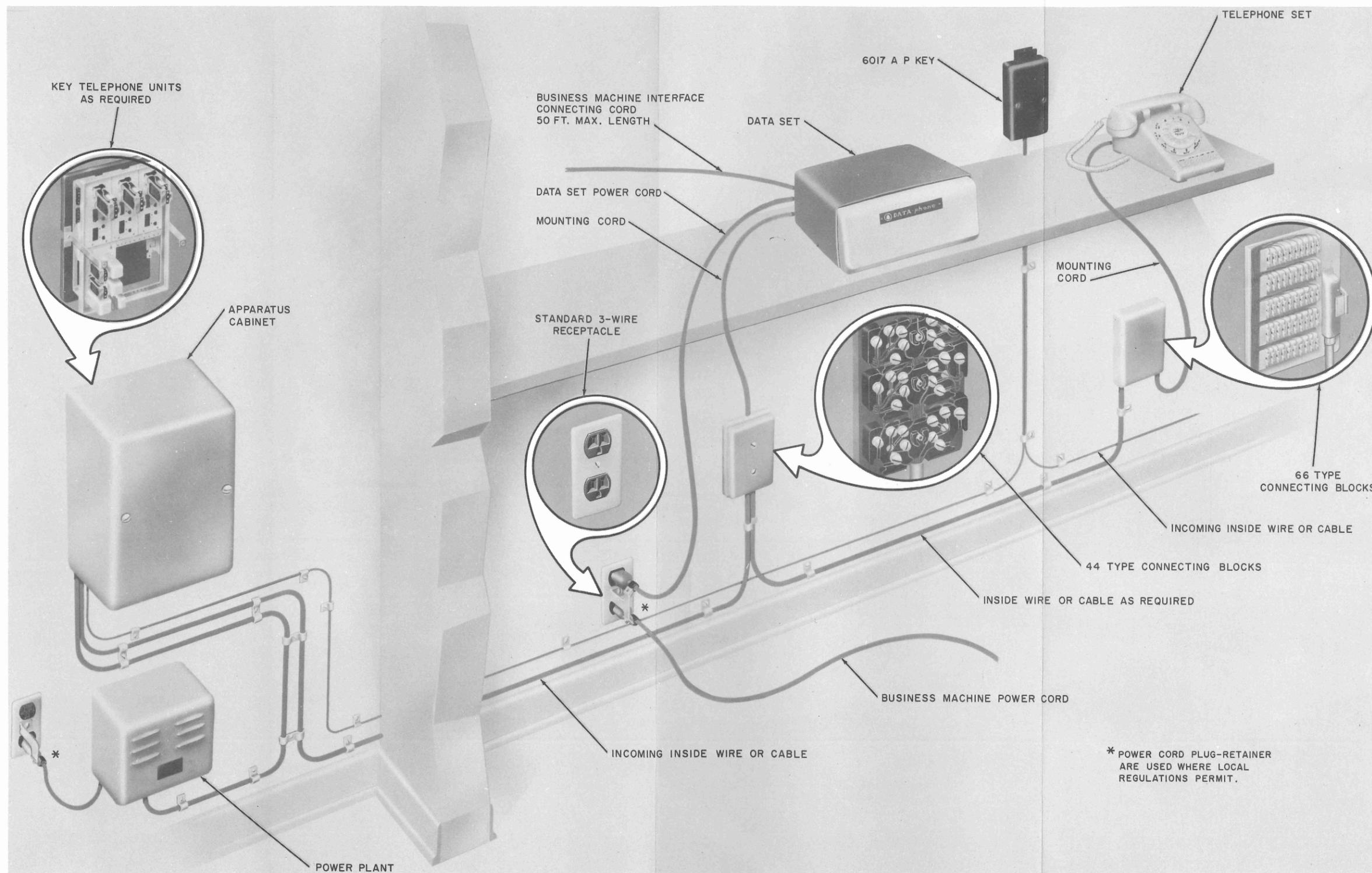


Fig. 2 — Main Components of a Typical Installation Layout — Data Set 202B and Telephone Set Connected to Four-Wire Private Line