

DATA SET 402B

RECEIVER

INSTALLATION AND CONNECTIONS

1.00 GENERAL

1.01 This section covers data set 402B. It does not contain any information covering the business machine associated with the data set.

2.00 INSTALLATION

2.01 The data set shall be installed in conformance with existing practices covering installation of station sets.

2.02 The set must be installed in a location compatible with the interface cord supplied by the customer for connecting the data set to the business machine (not to exceed 50 feet).



To avoid possible interruption during data transmission, it is preferable that no extension stations or key telephone systems be connected on the data line and that party lines be avoided.

2.03 A 3-wire power cord is supplied with the data set for connection to a 105- to 120-volt ac receptacle. The customer must furnish a 3-wire outlet not under control of a switch. This power source must be served from the *same* ac service cabinet that serves the business machine so that the same ground bus is used for both. This measure is necessary to prevent introduction of noise potentials which might otherwise develop and cause data errors. Outlet ground sources must be visually inspected and tested so that a good solid ground

does exist. Grounds from separate sources should be bonded together. A test using the 6A impulse counter may be used to detect noise where this condition is suspected. These tests are described in Section 594-017-500.

2.04 Check with the test center that telephone loop facilities assigned have been tested to verify that they meet transmission requirements before proceeding with the installation. These requirements are described in Section 314-205-500.

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

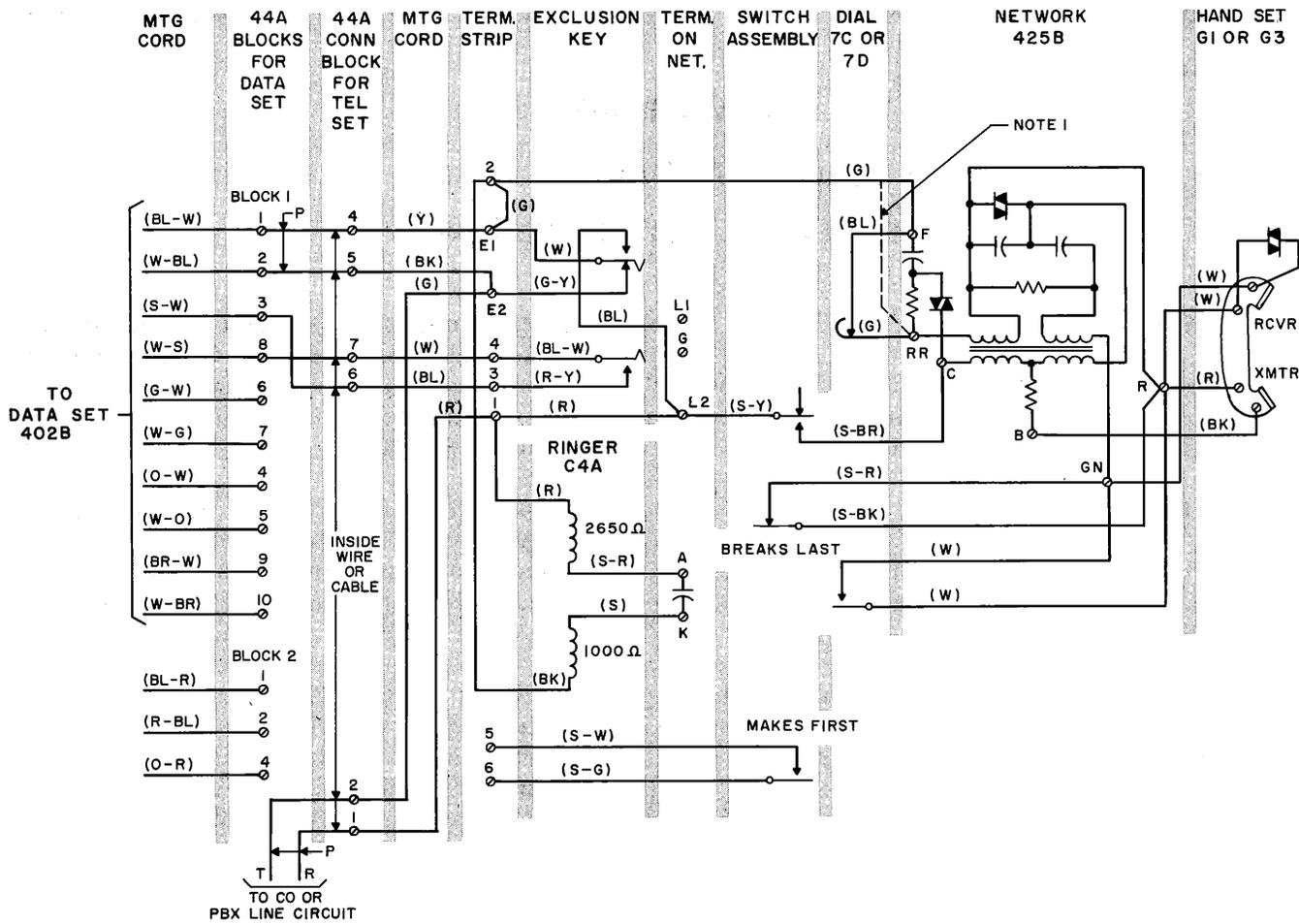
2.06 Test as outlined in Section 594-017-500.

3.00 CONNECTIONS

3.01 Fig. 1 shows the schematic and connecting information for data set 402B using a 503BR-61 telephone set.

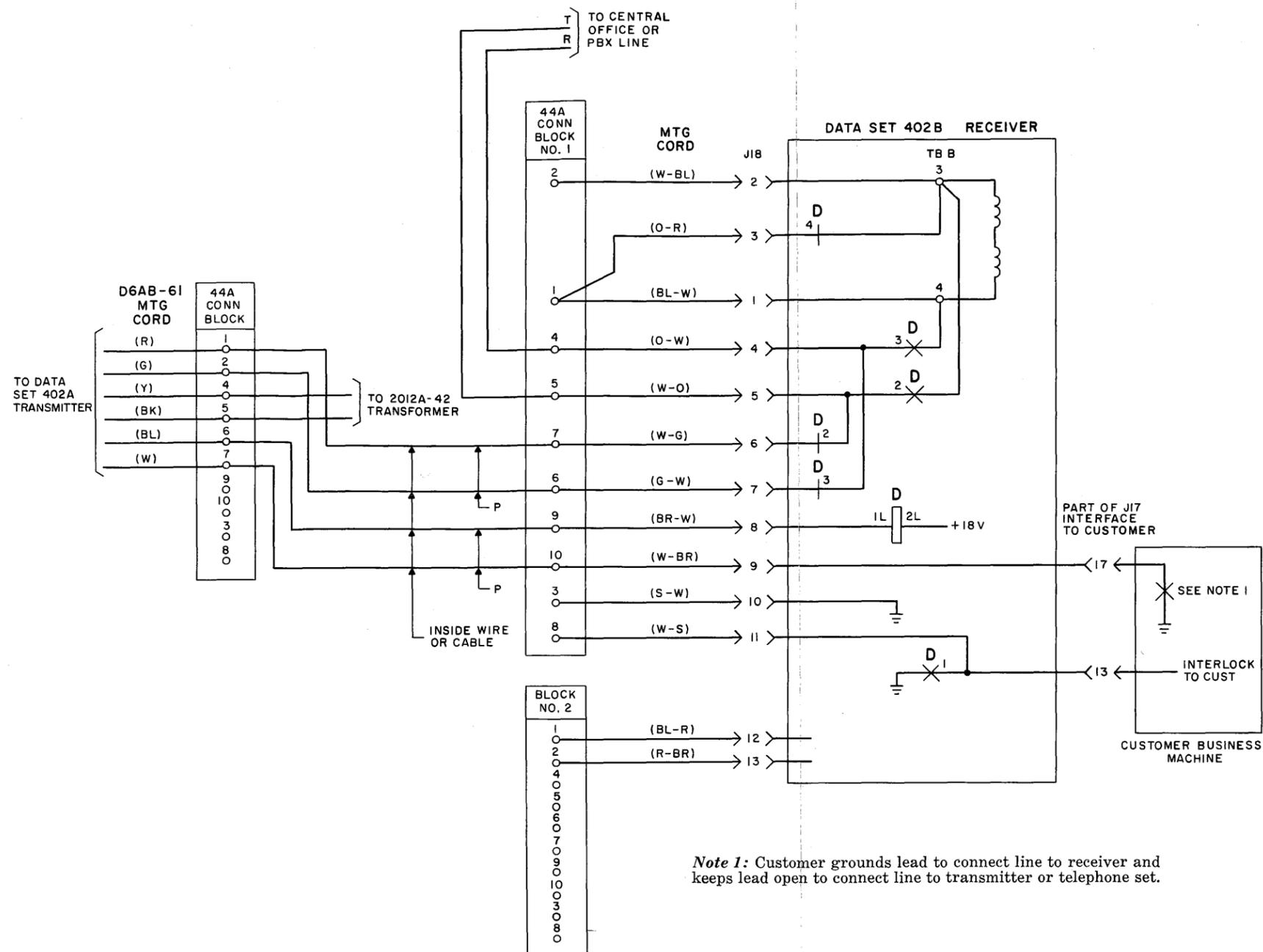
3.02 Fig. 2 shows the connecting information for use of data sets 402A and 402B bridged on one line using the integrated telephone set of the 402A.

SECTION 594-017-200



Note 1: Green lead is connected to F terminal in dial sets and to RR terminal in manual sets.

Fig. 1 — Connections for Data Set 402B and 503BR-61 Telephone Set



Note 1: Customer grounds lead to connect line to receiver and keeps lead open to connect line to transmitter or telephone set.

Fig. 2—Connections for Data Sets 402A and 402B Bridged on the Same Line