DATA SET 207-TYPE
TRANSMITTER-RECEIVER
INSTALLATION INSTRUCTIONS

1.001 This addendum is issued to include changes in the data set.

1.002 Connecting customer equipment to the data set frame ground, using the screw terminal by adapter boards A1 and A2, requires the ground lead to be terminated as a bare single-conductor wire, or provided with an open end spade tip lug. The ground screw is staked to prevent complete removal. This prevents the screw from being accidentally dropped behind the protective rear cover and creating a short circuit condition.

1.003 Interface adapter boards A1 and A2 are now secured to the data set with nylon screws. During installation and/or testing, extreme care must be used when removing or replacing the adapter board to prevent the nylon screws from dropping into the data set.

> ***Note:*** If the nylon screws are dropped inside the data set, ***DO NOT replace them with conductive (metallic) screws.***

1.004 Add the following information to 2.08(d). "These 26 screws consist of (10) #12-24 fillister head screws, preferably 3/4-inch long, for the top and bottom of the data set, and (16) self-tapping pan head screws, preferably 3/4-inch long, for the sides of the data set. The 3/4-inch length screws will not require the rubber "O" rings which should be discarded. These screws may be provided in a separate bag or container for initial installation."

1.005 The data set may be supplied with an oscillator board in slot location D06 other than that described in 1.08 (option X, 69A Oscillator) and 1.09 (option Y, AR160 oscillator). This different oscillator will be a 65A Oscillator or a 72A Oscillator (either unit to be considered as option V). The option V oscillator will provide a timing source (clock) having a long term accuracy of ±0.0005 percent (±5 parts in 10^6). This stability of the clock signal insures a minimum outage holdover capability in excess of six seconds. Oscillator adjustment at three-year intervals is necessary if the six-second holdover requirement is to be maintained.

1.006 Either the 65A Oscillator or the 72A Oscillator will occupy slot location D06 only, similar to the AR160 oscillator board. Any Data Set 207A2, B2, C2, or Data Set 207A4, B4, C4 containing AR147 printed wiring boards in slot locations D01 and D03, together with a 65A Oscillator in slot location D06, should be used as received. The 65A Oscillator will be replaced with a 69A Oscillator as soon as it becomes available. The following table illustrates the new data set configuration.

DATA SET	SPECIFICATION	FACTORY SUBSTITUTE	FIELD REPLACEMENT (WHEN AVAILABLE)
207A1, A3 B1, B3 C1, C3	External timing	None	None
207A2, A4 B2, B4 C2, C4	30-minute holdover using a 69A Oscillator with two AR147 printed wiring boards	65A Oscillator or 72A Oscillator (provided with two AR147 printed wiring boards)	69A Oscillator will physically replace the 65A Oscillator or 72A Oscillator

Note: The two AR147 boards included with Data Sets 207A2, A4, B2, B4, C2, C4 are required for operation with the 69A Oscillator. They are provided together with the 65A Oscillator or 72A Oscillator to simplify field replacement using the 69A Oscillator when available.