

Programming and wiring the *Channel Select* inputs on a 16-Channel GM300:

All 16 channels on a 16-Channel GM300 can be remotely selected through 5 pins on the 16-pin accessory connector.

- Step 1:** Using Radio Service Software, program the accessory connector as follows:
From the Main Menu: select F4 (Change/View).
From the Change/View Menu, select F2 (Radio Wide Configuration).
From the Radio Wide Configuration screen, set ACC. External to "General I/O".
Now select F9 (Other Accessory).
On the Accessory Connector Configuration Screen, set pins 6,8,9,12 and 14 as:

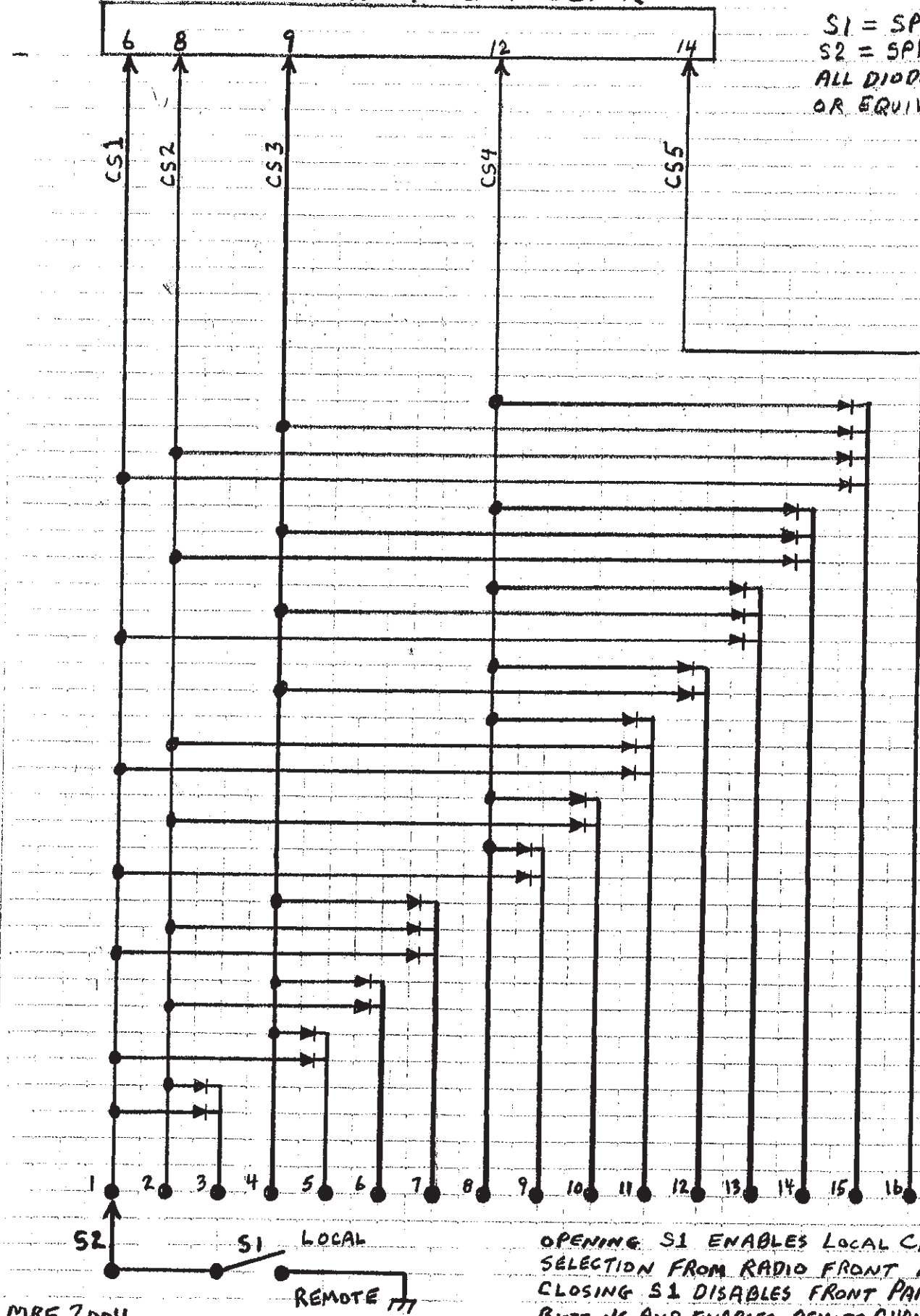
<u>Pin #</u>	<u>DESCRIPTION</u>	<u>DATA DIR</u>	<u>DEBOUNCE</u>	<u>ACT LEVEL</u>
6	Channel Select 1	Input	No	Low
8	Channel Select 2	Input	No	Low
9	Channel Select 3	Input	No	Low
12	Channel Select 4	Input	No	Low
14	Channel Select 5	Input	No	Low

- Step 2:** Insert color coded wires into positions 6,8,9,12,14 of the accessory connector and wire them as shown on page 2.

The diagram on page 2 depicts all 16 channels remotely selectable over 5 wires, using diodes. For applications involving fewer than 16 channels, just delete the unneeded portions of the circuit. For example, if all that's required is 2 channels, this is accomplished easily, without any diodes, by connecting Channel Select input #2 (pin 8) to ground through an SPST switch. Grounding pin 8 places the radio on Channel 2. Ungrounding pin 8 returns the radio to Channel 1 (or whatever channel it was on before pin 8 was grounded). With none of the Channel Select inputs grounded, channel selection may be accomplished normally using the radio's front panel up-down buttons. When a channel selection has been made remotely, by grounding one or more of the Channel Select inputs, the radio's front panel up-down buttons are inoperative.

16-PIN ACCESSORY CONNECTOR

S1 = SPST
 S2 = SP16T
 ALL DIODES = 1N914
 OR EQUIV.



MRE 2004

S1 LOCAL
 S2 REMOTE

OPENING S1 ENABLES LOCAL CHANNEL SELECTION FROM RADIO FRONT PANEL. CLOSING S1 DISABLES FRONT PANEL UP-DOWN BUTTONS AND ENABLES REMOTE CHANNEL SELECTION VIA 16-POSITION SWITCH (S2).