INSTALLATION

Channel Guard Encoder Model 4EH15A10 was designed for operation with MASTR Professional Trunk-Mount and MASTR Executive Trunk- and Front-Mount two-way mobile combinations.

CABLE CONNECTIONS

In MASTR Professional and Executive Trunk-Mount installations, run the 23-foot, three-conductor cable from the Control Cable Plug to the vicinity of the Encoder. In MASTR Executive Front-Mount installations, run the 50-inch, three-conductor cable from the Control Unit to the vicinity of the Encoder. Connect the three-conductor cable to TB601 (on the back of the Encoder) as shown in the chart below.

For MASTR Professional Series	For MASTR Executive Series
1. Connect the black wire to TB601-5.	1. Connect the black wire to TB601-1.
2. Connect the shield to TB601-3.	2. Connect the shield to TB601-3.
3. Connect the white wire to TB601-2.	3. Connect the white wire to TB601-2.

After making the connections, secure the cable in the cable clamp located next to TB601.

ENCODER MOUNTING

Mount the Encoder within convenient reach of the operator, and where it will not interfere with safe operation of the vehicle. To mount the Encoder:

1. Remove the mounting bracket and use it as a template to mark pilot holes.

2. Drill pilot holes with a #29 (9/64-inch) drill.

3. Attach bracket to mounting surface with the two #10 x 5/8-inch screws provided.

4. Replace the encoder in the mounting bracket, and adjust for desired angle before tightening screws.

OPERTION

The Channel Guard Encoder enables you to call up to six different radios (or groups of radios) that are tone-coded to receive your Channel Guard frequencies. The different frequencies are selected by the selector switch located on the front of the Encoder. With the switch in the OFF position, no Channel Guard tones are transmitted.

Before sending a message, adjust the Two-Way Radio as described in the Operator's Manual. Next, select the proper Channel Guard tone ("A" through "F") by means of the selector switch. Then send the message as you normally do.

Some Two-Way Radio systems may not require all six tones. Additional tones may be added as the radio system expands.

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