

5. BUSY CHANNEL INDICATOR

Certain SABER and SYSTEMS SABER radio models have a busy-light function to indicate when there is a carrier signal on the receiver channel. While in the SVA console, all SABER and SYSTEMS SABER radios will have a busy light, provided by flashing the lowest of the volume level indicators, even if the radio does not have a busy channel indicator.

NOTE

Since there will always be a carrier signal present on the radio control channel, this light will flash continuously when you use a SYSTEMS SABER radio in the trunked mode.

6. BATTERY CHARGING (Refer to Figure 3)

One of the functions of the SVA is to supply power to the radio and charge the radio battery. In order for the radio battery to be charged, the vehicle's ignition switch must be turned on. This is important in preventing the SVA from discharging the vehicle's battery. The radio may be turned on or off without affecting the charging cycle. The charger will fully charge a completely discharged battery in three hours. While the battery is charging, the red "battery charging" indicator light (4) on the left side of the console will be illuminated. When battery charging has been completed, the red "battery charging" indicator light will turn off and the green "charge complete" indicator light (5) will illuminate. If neither of the charge indicators is illuminated, the battery is not being charged. If this occurs, ensure that the radio is properly installed in the console, that the battery is a rechargeable nickel-cadmium type, and that the vehicle's ignition switch is turned on.

One of the features of the SVA charger is its ability to recognize a radio and keep track of the time when the radio is removed from the console. Because of this feature, a battery that is fully charged when the radio is removed from the SVA may require only a few minutes to become fully charged when it is returned to the SVA. This feature may be defeated by having the radio turned off when it is placed into the console, and leaving it turned off until the red "battery charging" indicator light illuminates.

If a totally discharged battery is placed into the SVA console, the radio receiver will begin to function normally within a few seconds. Transmission should not be attempted for about 30 seconds when using a high-power radio and should be kept to a minimum for the first few minutes. Low-power radios will allow normal operation sooner.

7. REMOVE THE RADIO WHEN LEAVING THE VEHICLE

- Turn the key clockwise to unlock the radio, and rotate the connector actuator knob fully counterclockwise.
- Grasp the radio by the antenna and slide it out of the console.

SAFETY INFORMATION

The Federal Communications Commission (FCC), with its action in General Docket 79-144, March 13, 1985, has adopted a safety standard for the human exposure to radio frequency (rf) electromagnetic energy emitted by FCC-regulated equipment. Proper operation of this radio will result in user exposure substantially below the FCC recommended limits.

DO NOT operate the transmitter of a mobile radio when someone outside the vehicle is within two feet (0.6 meter) of the antenna.

DO NOT operate the transmitter of any radio unless all rf connectors are secure and any open connectors are properly terminated.

DO NOT hold the radio with the antenna close to, or touching, exposed parts of the body, especially the face or eyes, while transmitting. The radio will perform best if the microphone is 2 to 3 inches away from the lips and the radio is vertical.

DO NOT hold the transmit (PTT) switch on when not actually desiring to transmit.

DO NOT allow children to play with any radio equipment containing a transmitter.

DO NOT operate a transmitter near unshielded electrical blasting caps or in an explosive atmosphere unless it is a type especially qualified for such use.

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SABER™
VEHICULAR ADAPTER
operating instructions

TYPICAL SABER RADIO

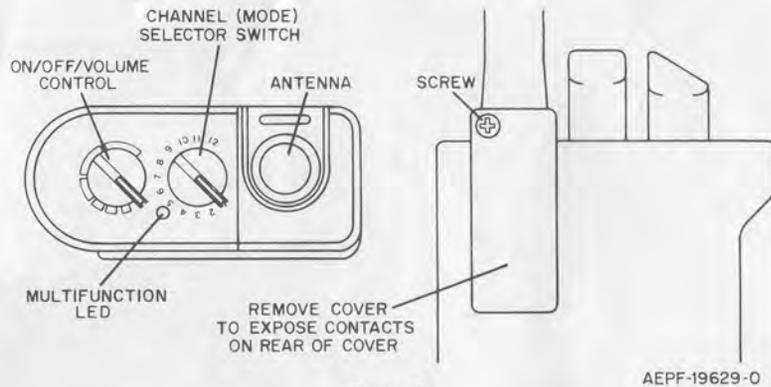


Figure 1.

SABER VEHICULAR ADAPTER

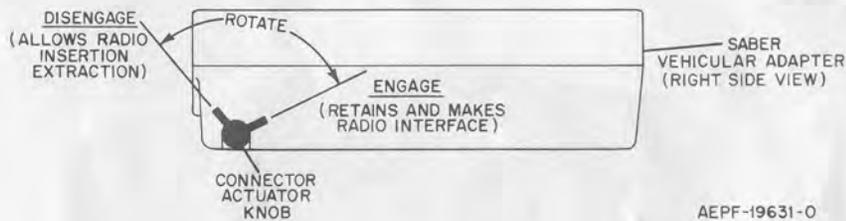


Figure 2.

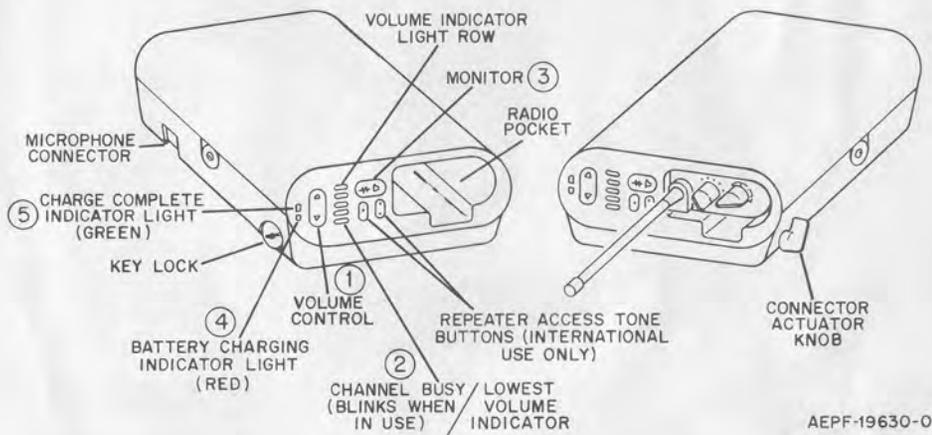


Figure 3.

1. DESCRIPTION

The operation and controls of the SABER Vehicular Adapter (SVA) are the same as a SABER or SYSTEMS SABER radio's. The SVA is designed to operate only with medium- or ultra-high-capacity rechargeable batteries; the use of batteries not made by Motorola is not recommended. In order to charge the radio battery, the vehicle's ignition switch must be turned on. If the ignition switch is turned off, the radio will receive normally, but will not transmit. However, some installations may not allow any radio operation with the ignition switch turned off.

CAUTION

In some installations, the ignition switch is bypassed so that all SVA functions operate with the ignition switch in the "off" position. If this is the case, be careful not to discharge the vehicle's battery by allowing the SVA to operate for extended periods with the vehicle's engine turned off.

2. INSTALLING THE RADIO IN THE CONSOLE

- Confirm that the universal connector assembly in the SVA's radio pocket is in the recessed position, and the connector actuator knob is in the disengaged position (See Figure 2).
 - Remove the universal connector cover from the rear of the radio housing.
 - Insert the radio, with the battery attached, into the SVA's radio pocket so that the radio speaker grille faces the top of the SVA console.
 - Slide the radio toward the back of the radio pocket until the radio bottoms out in the unit; this happens when the radio's control top is recessed about 1/2 inch from the front panel of the SVA.
 - Rotate the connector actuator knob clockwise to engage the connector arm (located inside the SVA) and correctly position the radio.
 - * Turn the key counterclockwise to lock the radio in the SVA; the key may be removed when the lock is in its locked or unlocked position.
- * Optional

NOTE

The radio may be turned either on or off while it is being inserted into the SVA console. The radio may be turned on or off while it is in the console; however, the radio must be turned on to operate with the console.

3. OPERATING THE RADIO

The push buttons on the side of the radio are replaced by the three buttons on the SVA's front panel and the microphone's push-to-talk (PTT) switch. These buttons have the same functions as their radio counterparts. If the buttons are missing or have no function on the radio, they will have no function on the SVA console.

To be fully functional while in the SVA console, a radio with a keypad and display must be used with a display/keypad microphone designed for that particular radio. The display/keypad microphone duplicates the radio's display and keypad; the display information and keypad buttons have the same function as on the radio. This microphone also duplicates the three radio side buttons present on the front panel of the SVA. Buttons in either location can be used.

If a display radio is used in an SVA console without a display/keypad microphone, the radio will operate normally, but its display will not be visible and its front keypad will not be accessible.

If a radio with a limited (3-key) keypad is used with the display/keypad microphone, the additional microphone keys will have no function. In other ways the radio operates normally.

If a non-display radio is used with the display/keypad microphone, the display will show a row of "*****," and the keypad on the microphone will have no function. In other ways the radio operates normally.

4. SETTING THE VOLUME (Refer to Figure 3)

When the radio is installed in the SVA, its volume is controlled by the SVA console's up and down arrow (volume control) keys (1). The volume setting is indicated by the vertical row of five volume indicators (2) next to the arrow keys. Adjust the volume as follows:

- * Push in and hold the monitor button (3) so that an audible signal can be heard.
- Push either the up or the down arrow key (1) momentarily. The volume will increase or decrease by one step. Every fourth step will light or extinguish one of the volume level indicators (2). There are a total of twenty steps between the minimum and the maximum volume indications.
- If either the up or the down arrow key (1) is pushed and held, the volume steps will scroll upward or downward to the maximum or minimum level.
- If both up and down arrow keys (1) are pressed simultaneously, the volume will go to a preset level eight steps above the minimum. This feature is useful if a signal comes in that is much too loud or soft for you to listen to comfortably while seated next to the console.

* Optional