

GM ADVANCED IPOD LOCKPICK

Thank you for your purchase of the GM ADVANCED IPOD LOCKPICK. This unit is designed for applications in a wide variety of GM vehicles across many years and models. Advanced features including on-screen text, steering wheel, radio and touch screen control of your iPod. The GM ADVANCED IPOD LOCKPICK will operate in any XM capable GM radio without the loss of any factory functions, even if a factory XM tuner is present. Included with your interface are licensed connectors for reliable iPod operation and stereo AUX input jacks for connection to any other source you would like to play through your factory sound system.

INSTALLATION PROCEDURE

The GM ADVANCED IPOD LOCKPICK uses a simple "T" harness for installation using factory connectors so there is no need to cut/splice any wires, or locate power, ground and audio. The interface is truly plug and play. If your vehicle has a factory XM tuner installed, the interface will plug in at the XM tuner location. If you do not have an XM tuner, the interface harness will plug into the back of the radio. The factory connectors are individually keyed so you cannot plug them into the wrong location. The interface harness is specific to year or model so insure that you have the correctly identified your vehicle by consulting the application guide or pictures in this document before installation.

1. VEHICLES WITH FACTORY XM TUNER

- Locate the XM tuner in your vehicle to begin the installation or check with a professional for installation help. A general guide for the tuner location is that SUV's will have the tuner directly behind the glove box and cars/crossovers will have them in the back deck. The XM tuner has a single 16 pin connector and an antenna plugged into it. Unplug the 16 pin connector and plug it into the matching connector of the interface harness. Then plug the remaining connector back into the previous factory location.

2. VEHICLES WITHOUT FACTORY XM TUNER

- The interface will plug directly to the back of the radio when installing in a vehicle that does not have a factory XM tuner present. Consult factory literature or professional help for detailed radio access information. Generally, the trim panel around the outside of the radio will pull free on late model radios exposing the bolts holding the radio in place. Remove the bolts (7mm) to view the desired connections. Other radios may require extra panels to be removed before the back of the radio can be viewed. The radio may contain several connectors but only two will match the connectors selected for your interface. Unplug the factory connectors and plug them into the interface harness. Then plug the remaining connectors of your harness into the previous factory locations.

3. PROGRAMMING YOUR INTERFACE

- The GM IPOD interface is universal in application and must be individually programmed to match your vehicle and options using the simple switch settings provided on the interface box. Consult the application guide to determine the correct settings for your vehicle or match the pictures in this document with your radio and communication type. **After positioning the programming switches to match your car and radio, plug the interface into the harness.** This will lock in the settings you have selected. If you have made a mistake or desire to select a different setting, unplug the interface box and iPod connector before changing any switch settings. If the interface is not unplugged while changing the programming settings, the new programming will not be performed and improper operation may result.

4. CONNECT THE IPOD HARNESS AND/OR AUX INPUT

- Included with your interface is a cable designed to connect an iPod/iPhone to the Lockpick. Plug the cable into the Lockpick and the other end into the bottom of the iPod. If your iPod does not have a bottom docking connector, it is not compatible with the GM iPod interface. Compatible iPods include NANO, MINI, 4th and 5th generation iPods including photo/video.

5. RECOMMENDED SETTINGS FOR OPTIMAL SOUND USING ITUNES

- Music can be recorded at many levels and compression settings and then stored on your iPod. To insure proper sound and remove annoying audio level shifts or distortion, follow these simple suggestions. **Open iTunes with your iPod attached, Then Click EDIT, Click PREFERENCES, Click PLAYBACK, uncheck CROSSFADE PLAYBACK, and finally Click SOUND CHECK.** This will create balanced playback for your listening enjoyment.

PROGRAMMING EXAMPLES

GM vehicles are classified by communication type and options present for interface programming. To determine which communication system your vehicle uses, consult the application guide or drawings provided. The GM iPod interface is capable of communication in all formats of XM compatible radios from 2003 through present production vehicles. Set your dip switches to match the illustrations below depending upon the radio communication type and whether or not your vehicle has an XM tuner installed

CLASS 2 COMMUNICATIONS



With factory XM present



Without XM tuner present

GMLAN 11 BIT COMMUNICATIONS



With factory XM present



Without XM tuner present

GMLAN 11 BIT EXT COMMUNICATIONS



With factory XM present



Without XM tuner present

GMLAN 29 BIT STANDARD RADIO COMMUNICATIONS



With factory XM present



Without XM tuner present

GMLAN 29 BIT NAVIGATION RADIO COMMUNICATIONS



With factory XM present



Without XM tuner present

GMLAN 29 BIT ESCALADE NON-NAV RADIO COMMUNICATIONS



With factory XM present



Without XM tuner present

OPERATION OF THE GM IPOD INTERFACE

The GM IPOD INTERFACE is programmable to operate in a variety of GM vehicles and will operate differently depending upon the year and radio present. Below are examples of different compatible year and type radios along with demonstrations of IPOD functions and text displayed. Match your radio with the pictures below.

CLASS 2 STANDARD RADIO

FORWARD OR BACK THROUGH PRESENT PLAYLIST OR PRESS AND HOLD TO BEGIN FF OR RW PRESS AGAIN TO STOP FF OR RW

SELECT XM1 FOR IPOD XM2 FOR AUX INPUT

TURN TO ADVANCE THROUGH SONGS X10 PRESS TO DISPLAY SONG #, NAME, ARTIST AND ALBUM

PRESS AND HOLD TO TOGGLE BETWEEN FACTORY XM AND IPOD OR AUX INPUT

TURN TO DISPLAY AND ADVANCE THROUGH IPOD PLAYLISTS

SELECT DISPLAYED PLAYLIST WITH SEEK >

CLASS 2 6 CD RADIO

FORWARD OR BACK THROUGH PRESENT PLAYLIST OR PRESS AND HOLD TO BEGIN FF OR RW PRESS AGAIN TO STOP FF OR RW

TURN TO ADVANCE THROUGH SONGS X10 PRESS TO DISPLAY SONG #, NAME, ARTIST AND ALBUM

SELECT XM1 FOR IPOD XM2 FOR AUX INPUT

PRESS AND HOLD TO TOGGLE BETWEEN FACTORY XM AND IPOD OR AUX

PRESS TO DISPLAY IPOD PLAYLISTS TURN TUNE KNOB TO ADVANCE THROUGH PLAYLISTS

SELECT DISPLAYED PLAYLIST WITH SEEK >

CLASS 2 TOUCH SCREEN RADIO

FORWARD OR BACK THROUGH PRESENT PLAYLIST OR PRESS AND HOLD TO BEGIN FF OR RW PRESS AGAIN TO STOP FF OR RW

SELECT XM1 FOR IPOD XM2 FOR AUX INPUT

TURN TO ADVANCE THROUGH SONGS X10

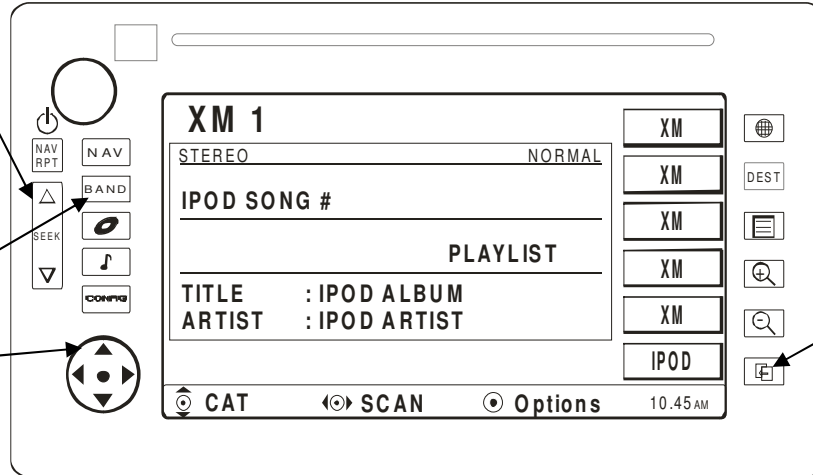
PRESS TO DISPLAY PLAYLISTS NAVIGATE THROUGH PLAYLISTS WITH < AND >

SELECT DESIRED PLAYLIST WITH SEEK >

PRESS AND HOLD TO TOGGLE BETWEEN FACTORY XM AND IPOD OR AUX

CLASS 2 NON-TOUCH SCREEN RADIO

NOTE: SET ALL XM OPTIONS ON RADIO MENU TO "OFF"



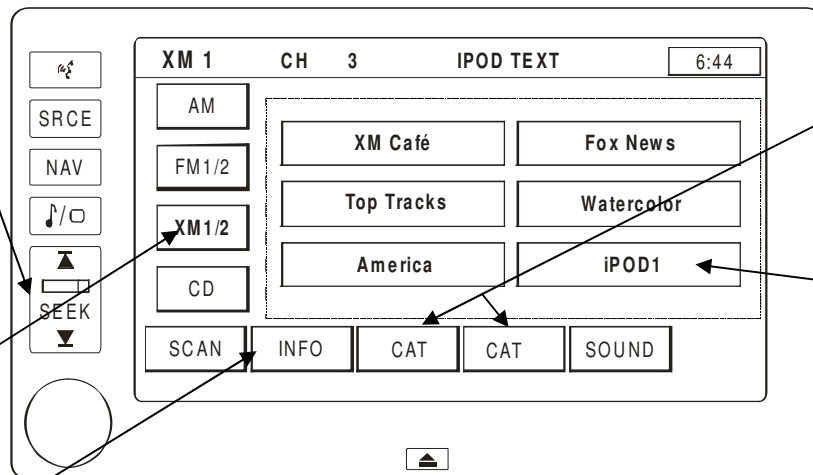
FORWARD OR BACK THROUGH PRESENT PLAYLIST
OR
PRESS AND HOLD TO BEGIN FF OR RW
PRESS AGAIN TO STOP FF OR RW

SELECT XM1 FOR IPOD
XM2 FOR AUX INPUT

PRESS ^ TO DISPLAY AND VIEW PLAYLISTS
PRESS CENTER OF BUTTON TO SELECT

PRESS AND HOLD TO TOGGLE BETWEEN FACTORY XM AND IPOD

CLASS 2 CORVETTE RADIO



FORWARD OR BACK THROUGH PRESENT PLAYLIST
OR
PRESS AND HOLD TO BEGIN FF OR RW
PRESS AGAIN TO STOP FF OR RW

SELECT XM1 FOR IPOD
XM2 FOR AUX INPUT

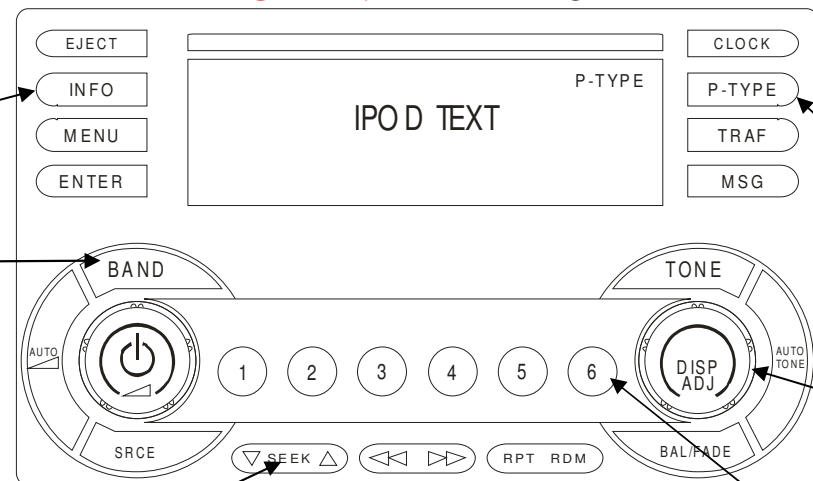
PRESS TO DISPLAY SONG #, NAME, ARTIST AND ALBUM

PRESS TO NAVIGATE THROUGH PLAYLISTS

SELECT WITH SEEK ▲

PRESS AND HOLD TO TOGGLE BETWEEN FACTORY XM AND IPOD OR AUX

GMLAN 11 BIT RADIO



PRESS TO DISPLAY SONG #, NAME, ARTIST AND ALBUM

SELECT XM1 FOR IPOD
XM2 FOR AUX INPUT

FORWARD OR BACK THROUGH PRESENT PLAYLIST
OR
PRESS AND HOLD TO BEGIN FF OR RW
PRESS AGAIN TO STOP FF OR RW

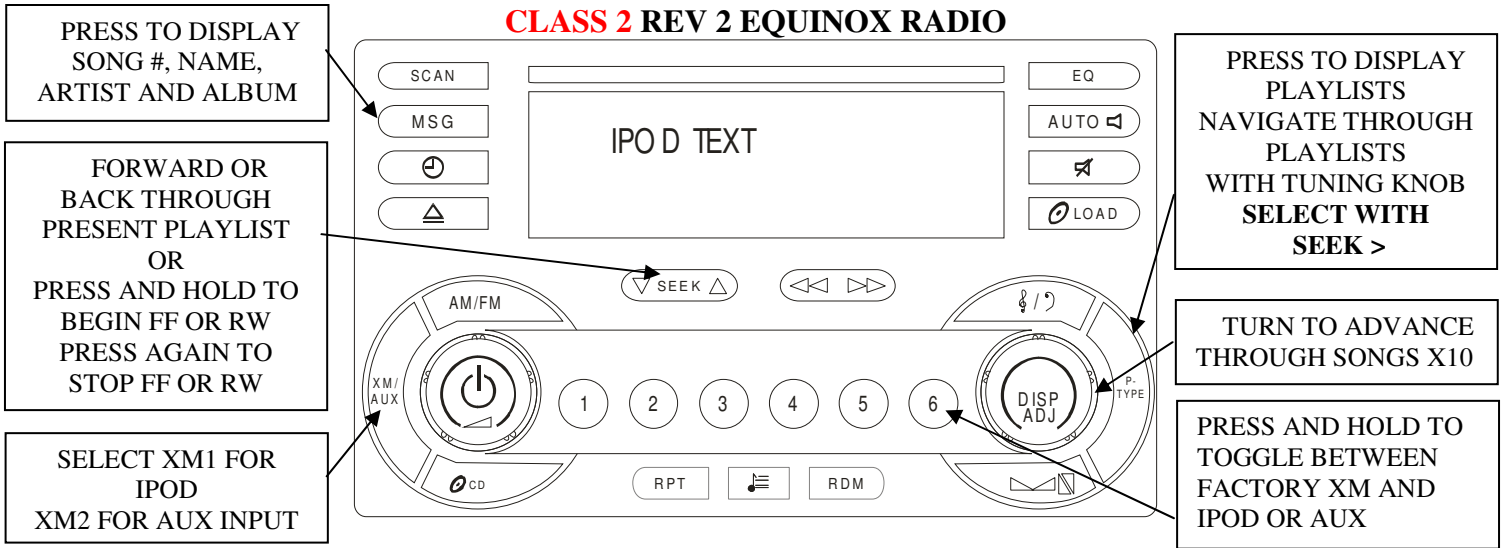
PRESS TO DISPLAY PLAYLISTS
NAVIGATE THROUGH PLAYLISTS WITH TUNING KNOB

SELECT WITH SEEK ▲

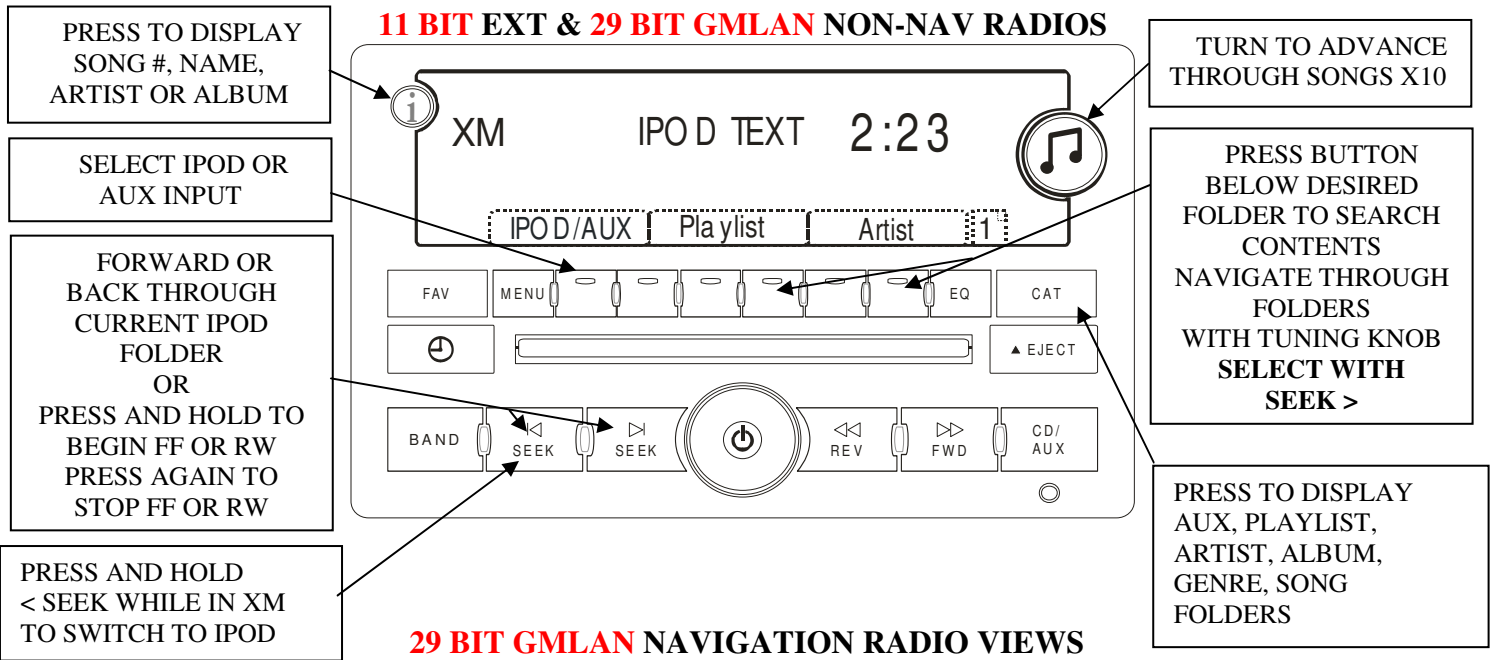
TURN TO ADVANCE THROUGH SONGS X10

PRESS AND HOLD TO TOGGLE BETWEEN FACTORY XM IF EQUIPPED AND IPOD OR AUX

CLASS 2 REV 2 EQUINOX RADIO



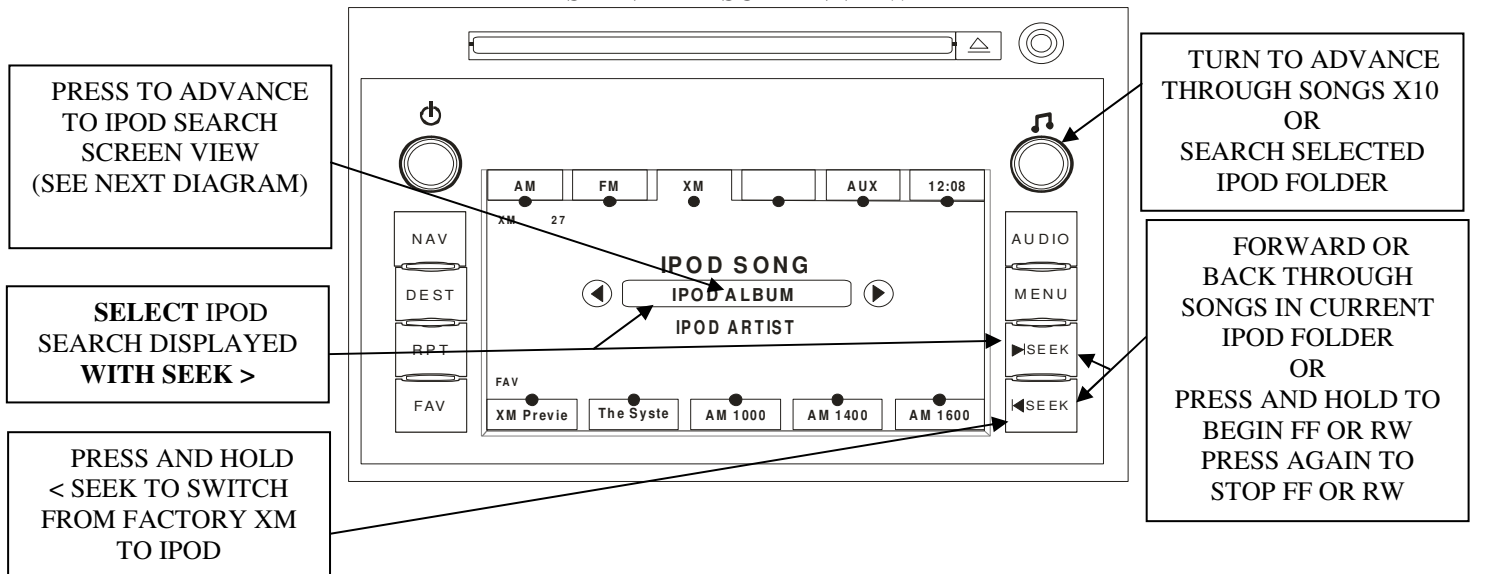
11 BIT EXT & 29 BIT GMLAN NON-NAV RADIOS



29 BIT GMLAN NAVIGATION RADIO VIEWS

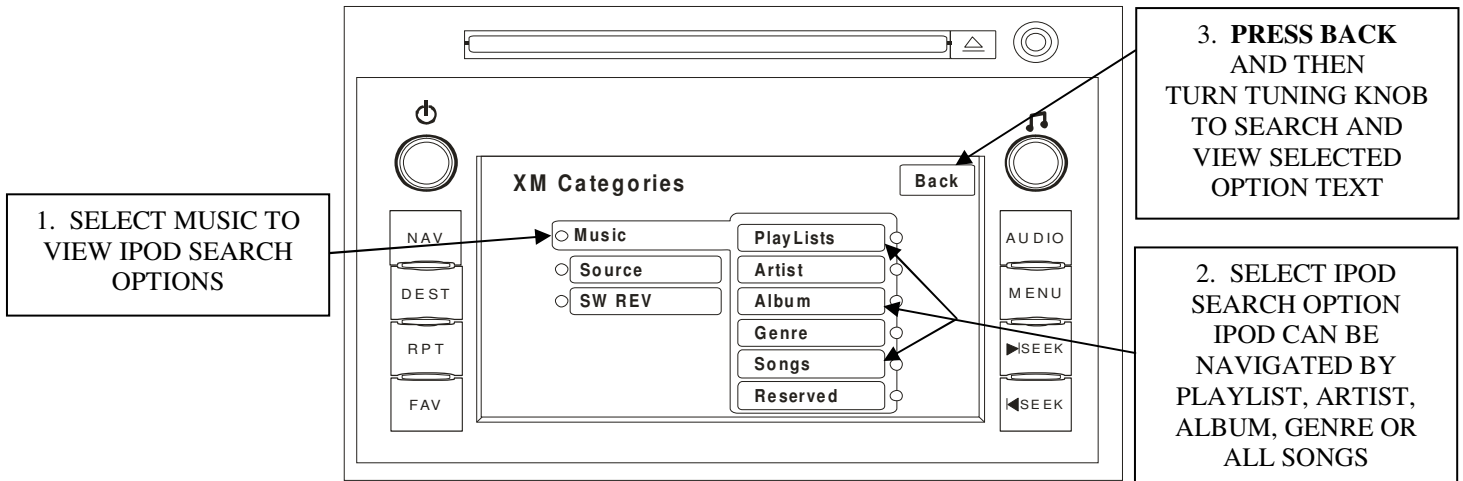
A video is available at www.coastalEtech.com/GM_IPOD_LOCKPICK.htm

STANDARD SCREEN VIEW

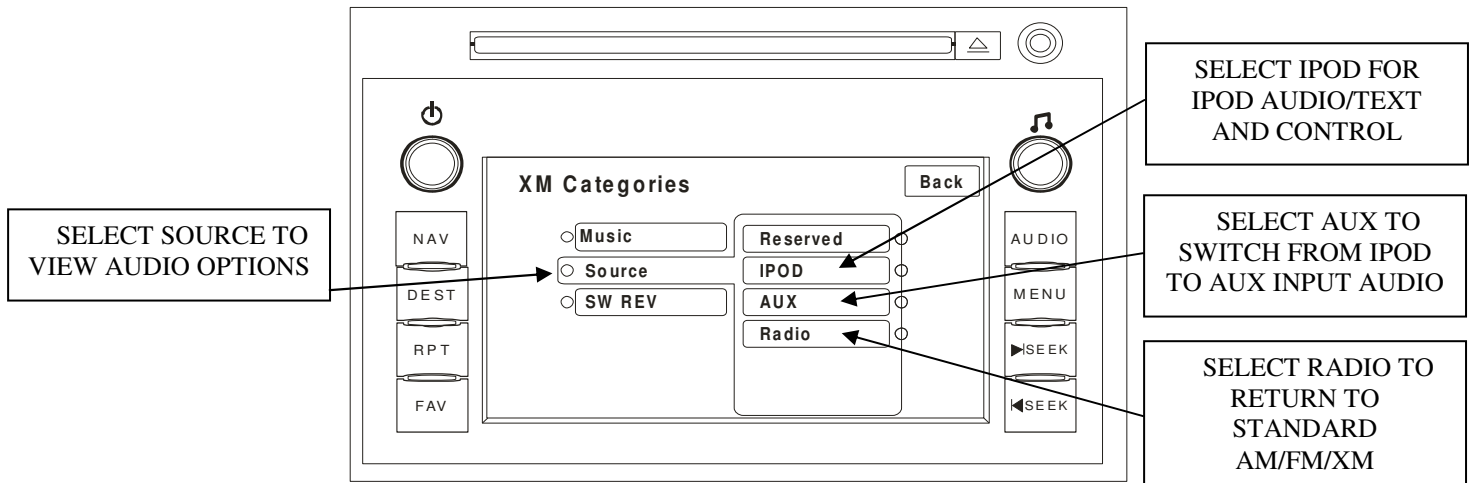


29 BIT GMLAN NAVIGATION RADIO VIEWS CONTINUED

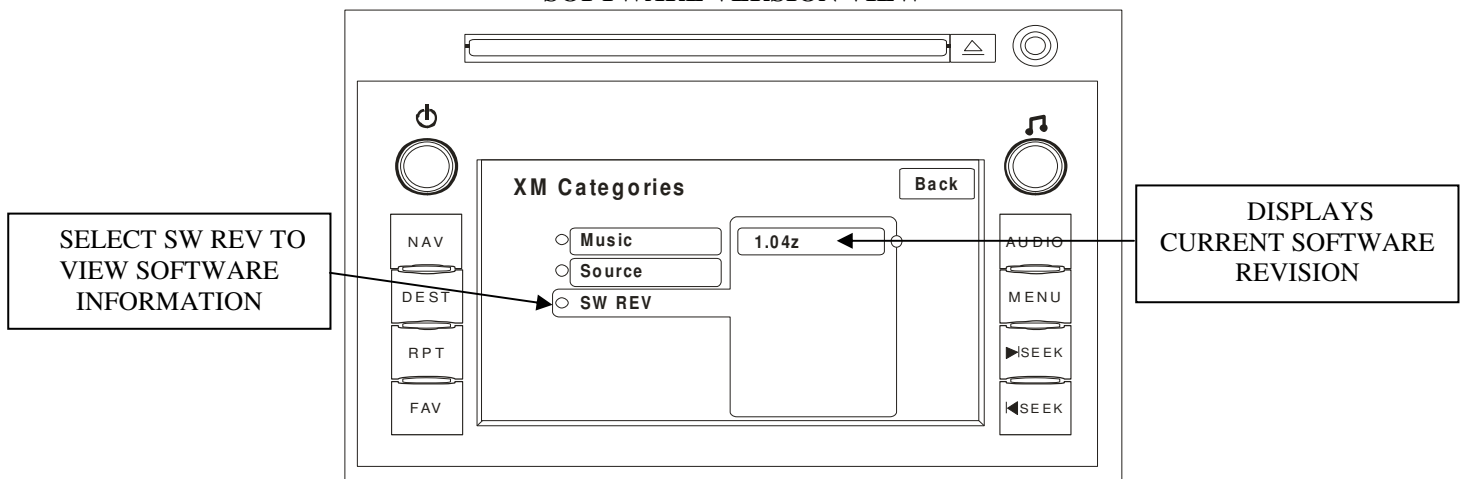
IPOD SEARCH SCREEN VIEW



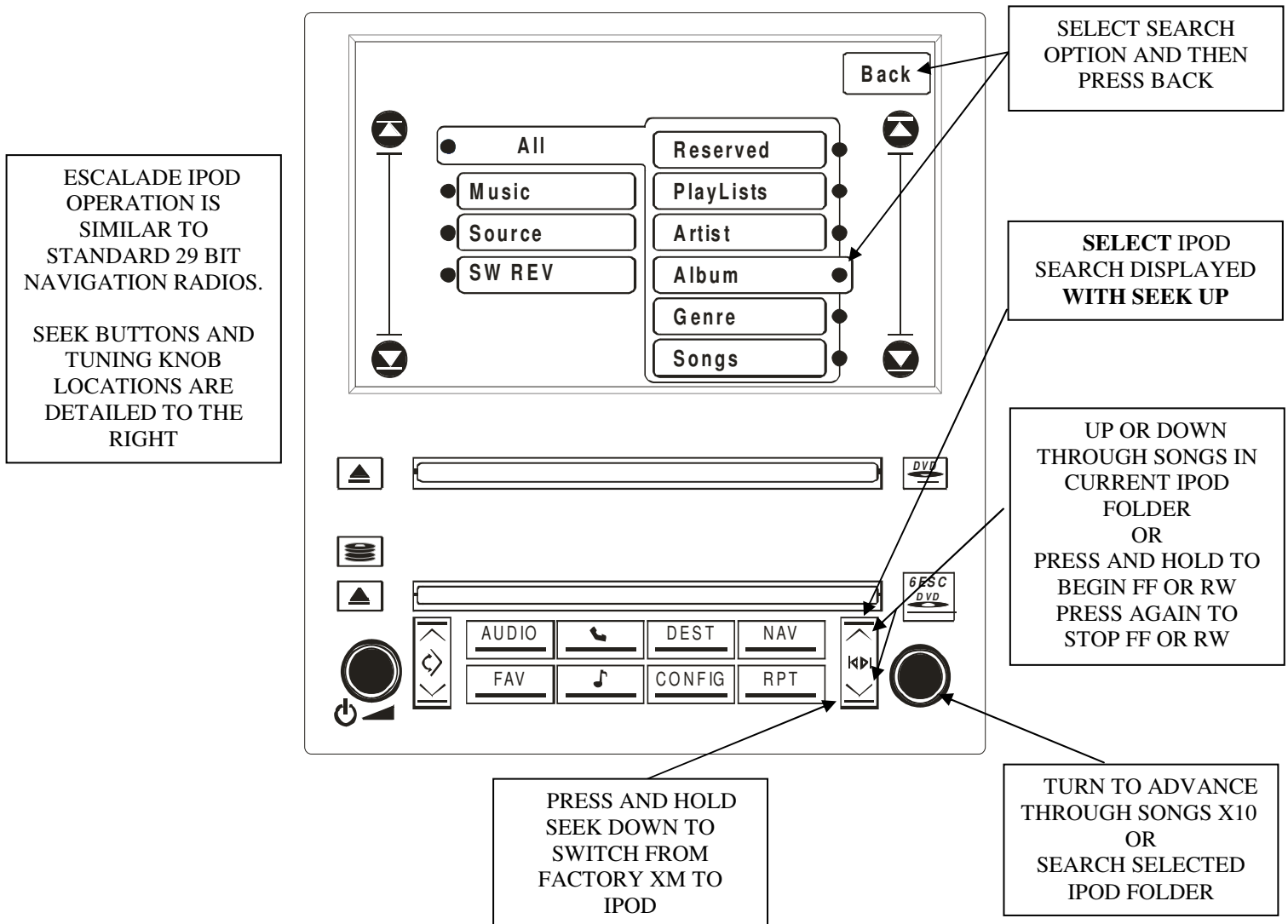
SOURCE SELECT SCREEN VIEW



SOFTWARE VERSION VIEW



2007 GMLAN 29 BIT CADILLAC ESCALADE NAVIGATION RADIO IPOD SEARCH VIEW



29 bit Operation Example: Select XM band, then Press and hold SEEK < to enter iPod mode. Text from the current song is then displayed with iPod audio. Turn the Tuning Knob or press SEEK < or SEEK > to move through the current iPod playlist. To Search your iPod, press the center display bar and LOCKPICK Options are then displayed. Touch MUSIC to view music search options (playlist, artist, album, genre, song). Touch the item you would like to search and then press **BACK**. Turn the tuning knob while viewing the text on the screen. When you see the desired playlist, artist, album, genre or song you want, press the SEEK > to select and begin playing it.

FAST AND EASY!!!

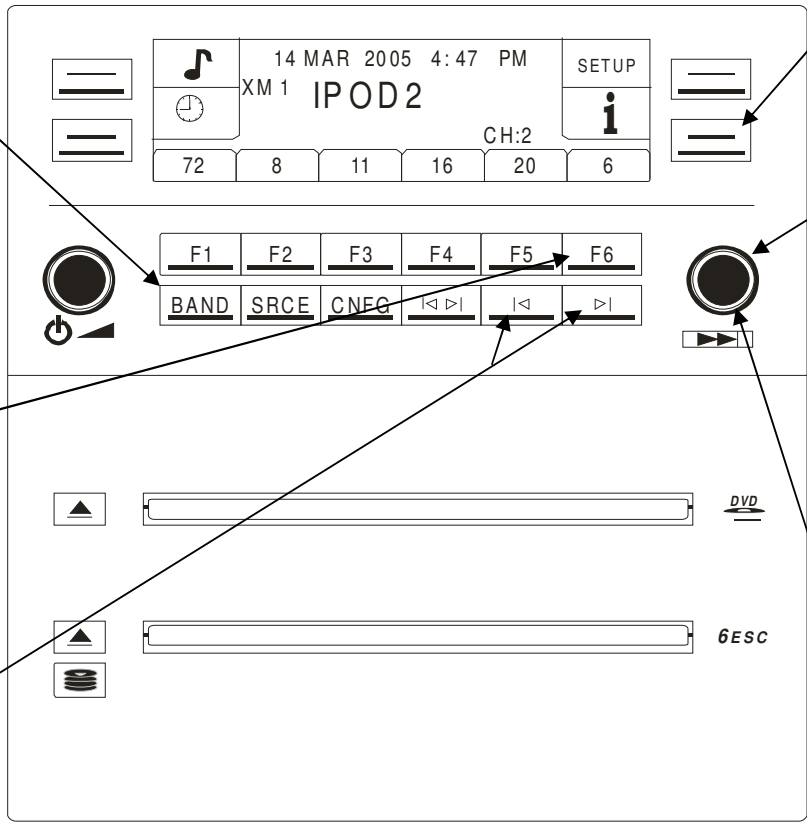
While connected to the iPod LOCKPICK, your iPod will stay fully charged. After the car is turned off, your iPod will stay active for a short time and then the LOCKPICK will disconnect from it. The iPod will then power off naturally within a couple of minutes. If you disconnect your iPod during communication and need to reset it, press the center and menu buttons simultaneously until the iPod powers off. It will then reset and be ready for outside operation.

2007 GMLAN 29 BIT CADILLAC ESCALADE NON-NAV RADIO

SELECT XM1 BAND FOR IPOD, SELECT XM2 FOR AUX INPUT.

PRESS AND HOLD PRESET 6 TO TOGGLE BETWEEN FACTORY XM OR IPOD AND AUX

FORWARD OR BACK THROUGH CURRENT IPOD PLAYLIST OR PRESS AND HOLD TO BEGIN FF OR RW PRESS AGAIN TO STOP FF OR RW



PRESS TO DISPLAY SONG, ARTIST AND ALBUM TEXT

PRESS AND ROTATE UNTIL CAT IS DISPLAYED. PRESS AGAIN TO SELECT CAT (PLAYLISTS)
 THEN TURN KNOB TO DISPLAY IPOD PLAYLISTS. **SELECT DESIRED PLAYLIST WITH SEEK >**

TURN TO ADVANCE THROUGH SONGS X10 WHEN NOT IN PLAYLIST (CAT) MODE