Automatic search

**Functional Description**

Support for searching for radio stations through soft switches. It can only be used when the vehicle is stopped through SWP operation.

Enabling conditions (a):

User can operate display screen.

Trigger conditions (a|b|c):

Users click to enter the radio and click on the SWP "Previous"/"Next" soft button .

Users play the radio and use voice to search for radio stations (specific corpus defined by the ATOM design team).

User plays radio and searches for radio "previous"/" next "by voice (specific corpus defined by ATOM design team)

User plays radio and clicks Switches "previous" (Switches\_L\_Left\_Cmd (vehicle/cabin/steering-wheel/left-area/left/command) = 0x1: Press)/next (Switches\_L\_Right\_Cmd (vehicle/cabin/steering-wheel/left-area/right/command) = 0x1: Press) hard keys.

The user plays the radio and clicks on the Switches "Previous" (Switches\_L\_Left\_Cmd (vehicle/cabin/steering-wheel/left-area/left/command) = 0x1: Press) / "Next" (Switches\_L\_Right\_Cmd (vehicle/cabin/steering-wheel/left-area/right/command) = 0x1: Press) hard button.

Execution output (a&b&c&d):

Click the up automatic search radio soft button to start from the current channel/"previous" by voice, search up and play the first playable channel. The radio station is muted during the search process.

Click the up automatic search radio soft button to start from the current channel/"previous" by voice, search up and play the first playable channel. The radio station is muted during the search process.

Click the down automatic search radio soft button/voice "next" to start from the current channel, search up and play the first playable channel. The radio station is muted during the search process.

Click the down automatic search radio soft button to start from the current channel/"next" by voice, search down and play the first playable channel. The radio station is muted during the search process.

During the automatic search process, the frequency band is switched and the automatic search stops.

During the automatic search process, if no valid radio station is found, continue the automatic search until other action buttons are pressed. After scanning to the maximum frequency/minimum frequency (from the minimum frequency/maximum frequency), continue to automatically search until returning to the frequency position before scanning for playback.

During the automatic search process, if no valid radio station is found, continue the automatic search until other action buttons are pressed. After scanning to the maximum frequency/minimum frequency (from the minimum frequency/maximum frequency), continue to automatically search until returning to the frequency position before scanning for playback.

Exit conditions (a|b):

Display screen off;

Audio source switching.

Audio source switching.