

29-632/29-643/29-694

Steering Controls Interface for Saab Vehicles

Installation diagram

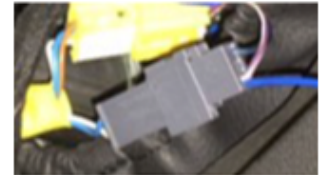
| BUTTONS | Voltage on Saab cable (VOLTS V) | | |
|-------------|---------------------------------|-------------|-------------|
| | SAB01 (632) | SAB02 (643) | SAB03 (694) |
| None | 3.95 | 4.18 | 3.4 |
| Next | 3.24 | 3.59 | 2.97 |
| Seek Down | 2.84 | 2.99 | 2.6 |
| Seek Up | 2.42 | 2.38 | 2.17 |
| Source | 2.00 | 1.81 | 1.97 |
| Volume Up | 1.61 | 1.25 | 1.36 |
| Volume Down | 1.20 | 0.72 | 0.97 |

This connector is the Interface Dongle Connector. This is used to update or re-program the Interface from the default setting **BY CONNECTING ONE OF THE TWO DONGLES SUPPLIED WITH THIS INTERFACE**. There is 3 possible programs for this interface:

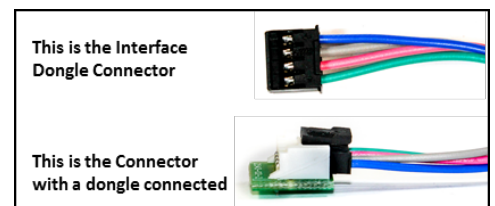
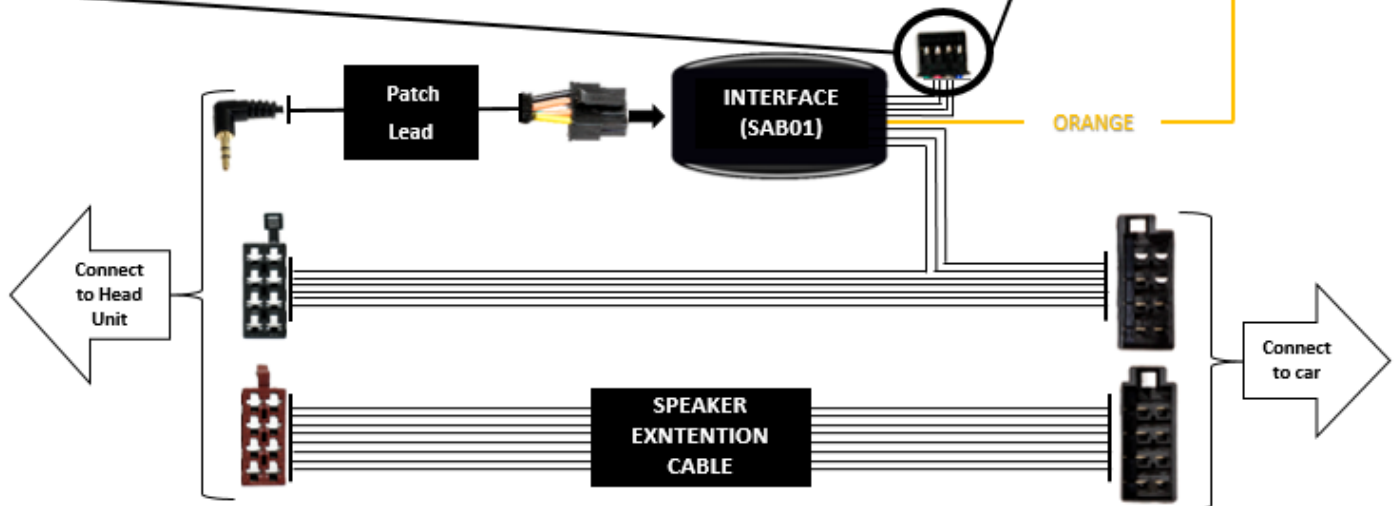
- SAB01 (Default program with no dongle)
- SAB02 (Add '02' labelled dongle)
- SAB03 (Add '03' labelled dongle).

These settings refer to what voltage change from the steering controls triggers a particular action (seen in table left).

ENSURE THE POWER IS DISCONNECTED BEFORE CONNECTING OR CHANGING THE DONGLE.



This connector is located under the steering Column as shown in the picture (left). Connect the wire from the interface to the steering control voltage wire this is usually pin 1. This wire will vary in voltage when a particular button is pressed



Installation Instructions

1. Ensure your vehicle's ignition is off with the key removed.
2. Remove the original Head Unit (radio) with reference to the manufacturer's instructions.
3. Assemble the Patch Lead (**NOT SUPPLIED IN WITH HARNESS**) with reference to the given instructions with the Patch Lead so that it is compatible with the Head Unit being installed.
4. Connect the patch lead to the Steering Control Interface (**Black box on harness**). **THIS MUST BE DONE FIRST BEFORE ANY OTHER CONNECTIONS.**
5. With reference to the diagram above, connect the **ORANGE** wire from the interface to the 3-way connector found under the steering column. This is the steering control voltage wire (3.9-4.5V at rest).
6. Ensure all other connections are made to the OEM car harness and Head Unit as shown in the diagram above.
7. Test the system fully ensuring all controls function before refitting the new Head Unit. **IF THE SYSTEM DOES NOT WORK AND THE PROGRAM NEEDS TO BE CHANGED, ENSURE THE POWER IS DISCONNECTED BEFORE THE DONGLE IS CHANGED.**

Troubleshooting

- Check that the correct patch lead has been used and links in the connector are in the correct place (Always disconnect from the power supply if you change the lead).