

# 29-632



Saab steering wheel control interface

## Supported functions

Volume up  
Volume down  
Seek/track up  
Seek/track down  
Source



## Connection instructions

**Connect the head unit specific patch lead to the interface first.** If using a universal patch lead, check it is setup correctly. Refer to the diagrams overleaf to check the patch lead is correct.

Connect the ISO connectors and patch lead to the new head unit.



Identify the steering wheel control signal wire under the steering column. This will be a wire that rests at 4.5V on a 2 or 3 way connector. This voltage will fluctuate when buttons are pressed on the steering wheel.

Connect the loose orange wire from the interface to this steering control wire under the steering column.

Connect the 29-632 harness to the vehicle harness.

Test the steering controls.

Fit the head unit into place and test the steering controls again.

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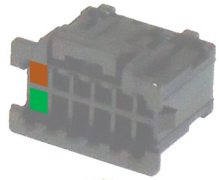
Connect the loose orange wire from the interface to this steering control wire under the steering column.

Connect the 29-632 harness to the vehicle harness.

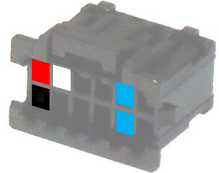
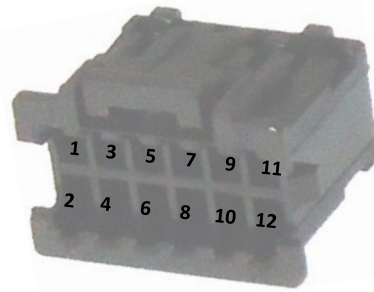
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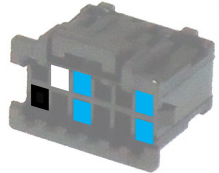
## Patch lead wiring configurations



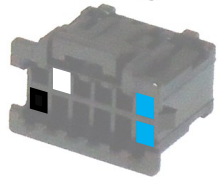
**29-000 Self learning units**  
Single wires pins 1 and 2  
No loops



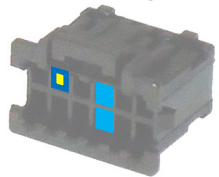
**29-001 Alpine**  
3.5 jack pins 1, 2 and 3  
Loop pins 9 + 10



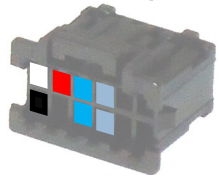
**29-003 Clarion**  
3.5 jack pins 2 and 3  
Loops 5 + 6 and 11 + 12



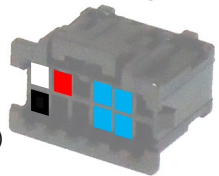
**29-004 JVC**  
Single wire pin 3, 3.5 jack pins 2 and 3  
Loop pins 11 + 12



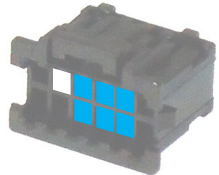
**29-005 Kenwood**  
Single wire pin 3  
Loop pins 7 + 8



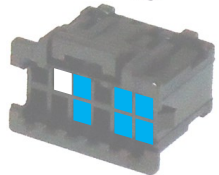
**29-007 Pioneer**  
3.5 jack pins 1, 2 and 3  
Loop 5 + 6 (some leads also have 7+8 looped, both are the same)



**29-008 Sony**  
3.5 jack pins 1, 2 and 3  
Loops 7 + 8 and 9 + 10



**29-011 Zenec**  
Single wire pin 3  
Loops 5 + 6, 7 + 8 and 9 + 10



**29-012 Philips**  
Single wire pin 3  
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## Troubleshooting

### Radio not turning on

Check there is an ignition power supply to the new head unit and the interface.

### Steering controls not working

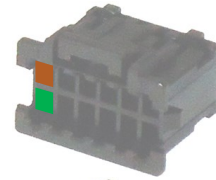
Check the patch lead is correct and was connected to the interface before the interface was connected to the vehicle.

Reset the interface by completely disconnecting, wait for 2 minutes, then reconnect.

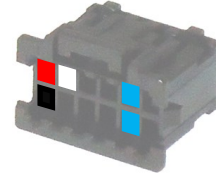
Check the interface has software version SAB01 V2.38 or newer.

Check the signal wire under the steering column is resting at 4.5V and the voltage fluctuates when buttons are pressed on the steering wheel. Also check that this wire has not been cut, the orange wire only needs to be tapped onto this wire.

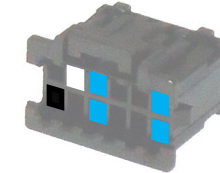
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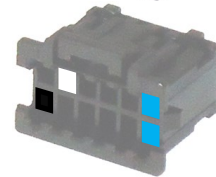
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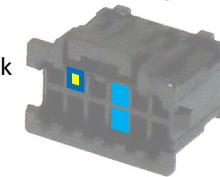
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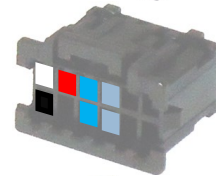
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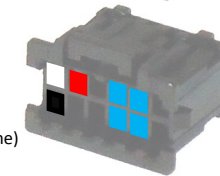
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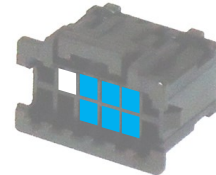
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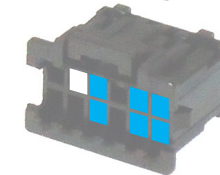
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