CRUX®
INTERFACING SOLUTIONS

RADIO REPLACEMENT + SWC RETENTION

SWRVL-54
Radio Replacement with Steering Wheel Control and Amplifier Retention for Select Volvo Vehicles

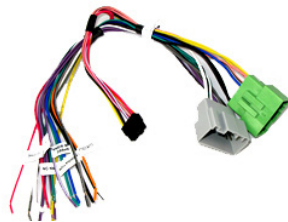## PRODUCT FEATURES:

- Retains factory features in select Volvo vehicles while functioning with an aftermarket radio.
- Retains Steering Wheel Controls via built-in, pre-programmed interface
- Supports amplified and non-amplified systems.
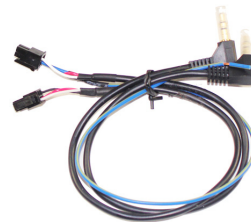- EIA color coded wiring for easy installation.
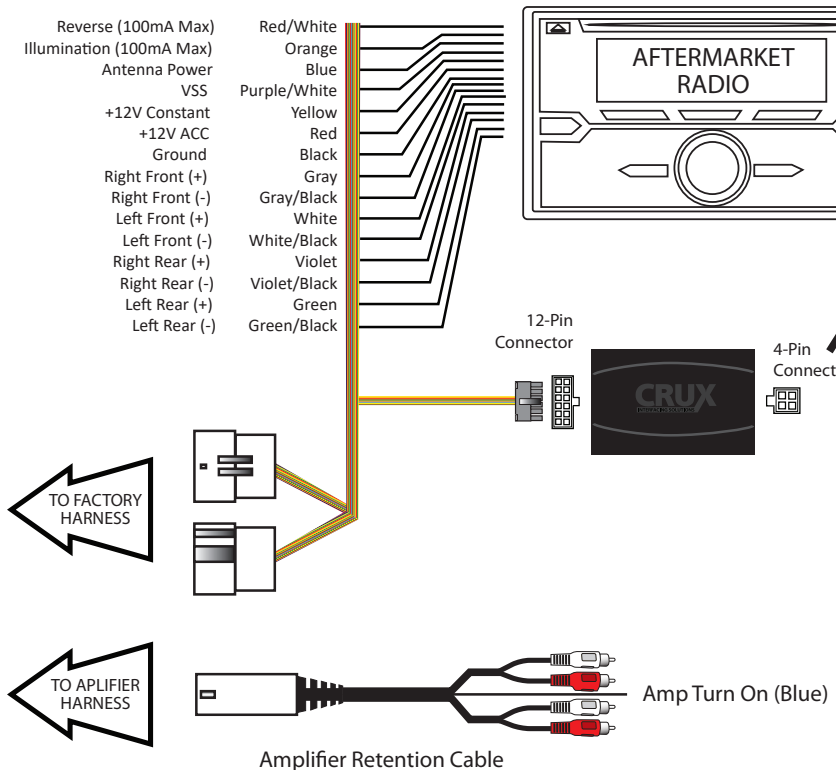
PARTS INCLUDED:


SWRVL-54 Module   SWRVL-54 Harness   SWC Cables   Amp Retention Harness

INSTALLATION DIAGRAM:

Reverse (100mA Max)	Red/White
Illumination (100mA Max)	Orange
Antenna Power	Blue
VSS	Purple/White
+12V Constant	Yellow
+12V ACC	Red
Ground	Black
Right Front (+)	Gray
Right Front (-)	Gray/Black
Left Front (+)	White
Left Front (-)	White/Black
Right Rear (+)	Violet
Right Rear (-)	Violet/Black
Left Rear (+)	Green
Left Rear (-)	Green/Black

AFTERMARKET RADIO

12-Pin Connector

4-Pin Connector

TO FACTORY HARNESS

TO APLIFIER HARNESS

Amplifier Retention Cable

Amp Turn On (Blue)

TROUBLESHOOTING

LED LIGHT	LED MODULE FEEDBACK
Solid blue	CAN recognized
Flashing blue	CAN not recognized
Solid red	Module providing 12V ACC
Red off	12V ACC OFF

mini USB Not Used
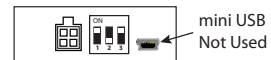
3.5MM SWC CABLES (Option A or B)
Use the proper 3.5MM to 4-Pin cable for your radio. Plug in the selected 3.5MM SWC cable to the 4-pin port on the module. See "DIP SWITCH SETTINGS" section.

Option B:

BLUE / YELLOW   Insulate with tape if not being used

Option A:

Cap or insulate if not being used

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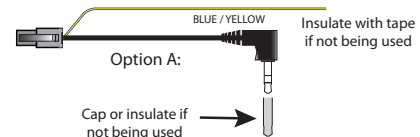
DIP SWITCH SETTINGS:

AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND:	DIP#:	1	2	3
Atoto, Dual, Fahrenheit, Jensen		OFF	ON	ON
Pioneer, Power Acoustik, Soundstream		OFF	ON	ON
Blaupunkt, Most off-brand Radio		OFF	ON	ON
Alpine		OFF	OFF	OFF
Clarion		ON	ON	OFF
Kenwood		ON	ON	ON
JVC		ON	OFF	ON
Boss, Old Sony		ON	OFF	OFF
New Sony		OFF	ON	OFF

SWC MODULE
DIP SWITCH

ON

1 2 3

NOTE: For Atoto, Blaupunkt, Dual, Farenheit, Power Acoustik, Soundstream, and most off-brand radios, check the aftermarket radio's manual to see if the SWC buttons need to be programmed.

4-PIN SWC CABLE

Use the proper 3.5MM to 4-Pin SWC cable for the aftermarket radio you are using.

OPTION A is used for ALPINE, CLARION. For JVC and KENWOOD use Blue/Yellow wire.
OPTION B is used for ATOTO, BLAUPUNKT, BOSS, DUAL, FARENHEIT, JENSEN, POWER ACOUSTIK, PIONEER, SONY, SOUNDSTREAM and Most Off-Brand Radios.

NOTE: Cap or insulate the 3.5mm plug or Blue/Yellow wire if not being used.

For aftermarket radios that have wires for SWC connections, cut off the 3.5mm plug on the Crux SWC Cable and connect the SWC wires as follows:

RED to SWC Key 1
WHITE to SWC Key 2
SHIELD to SWC Ground
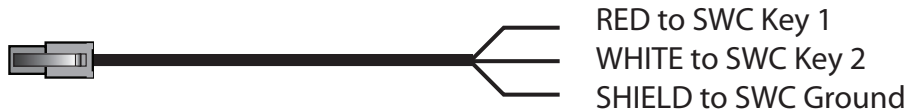
Note that there are some radios that only have SWC1 and SWC2, in this case "shield" does not need to be connected.

VEHICLE APPLICATIONS:

VOLVO

2001 - 2004	S40	2001 - 2007	V70*
1999 - 2009	S60	2001 - 2007	XC70*
1999 - 2005	S80	2002 - 2012	XC90*/**
2001 - 2004	V40		

1. *Compatible with CAN based vehicles only (2nd Generation / Type P26).
2. ** NOT Compatible with LIN bus and Fiber-optic systems. Please verify prior to installation.

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