



CRUX ONST-11B Wiring Interface Owner's Manual

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CRUX ONST-11B Wiring Interface



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PRODUCT FEATURES

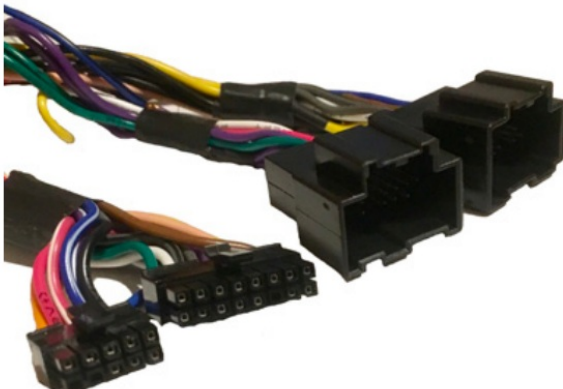
- Retains factory features in select GM LAN 11 Bit vehicles while functioning with an aftermarket radio.
- Pre-programmed to retain factory Steering Wheel Controls.
- Supports Non-Bose and Bose amplified systems.
- Provides Vehicle Speed Sensor (VSS), Parking Brake and Reverse Outputs.
- Retains factory OnStar®
- Retains chime functions.
- EIA color coded wiring for easy installation.

PARTS INCLUDED

- ONST-11B MODULE



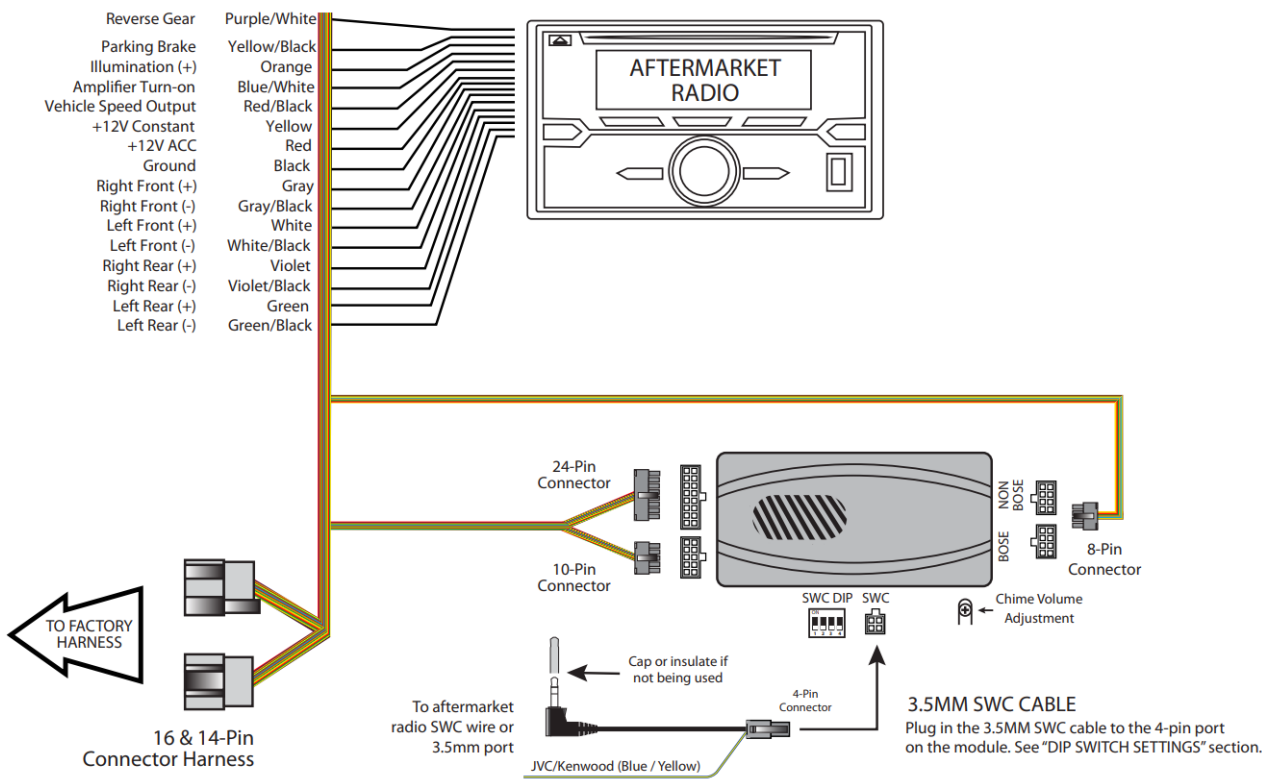
- ONST-11B HARNESS



• SWC CABLES



INSTALLATION DIAGRAM



TROUBLESHOOTING

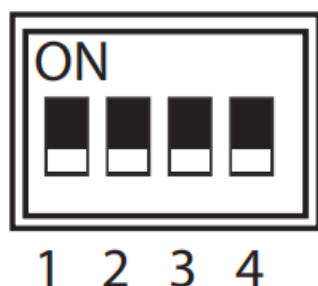
LED LIGHT	LED MODULE FEEDBACK
Solid blue	LAN Bus recognized
Flashing blue	LAN Bus not recognized
Solid red	Module providing 12V ACC
Red off	12V ACC OFF

DIP SWITCH SETTINGS

AFTERMARKET RADIO DIP SWITCH SETTINGS:

RADIO BRAND DIP#:	1	2	3	4
Atoto, Dual, Fahrenheit, Jensen,	OFF	OFF	ON	ON
Pioneer, Power Acoustik, Sound stream	OFF	OFF	ON	ON
Blaupunkt, Most off-brand Radio	OFF	OFF	ON	ON
Alpine	OFF	OFF	OFF	OFF
Clarion	OFF	ON	ON	OFF
Kenwood	OFF	ON	ON	ON
JVC	OFF	ON	OFF	ON
Boss, Old Sony	OFF	ON	OFF	OFF
New Sony	OFF	OFF	ON	OFF

SWC MODULE DIP SWITCH



NOTE: For Atoto, Blaupunkt, Dual, Fahrenheit, Power Acoustik, Sound stream, 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, JVC, and KENWOOD units (Blue/Yellow wire is attached)

OPTION B is used for 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.

Plug the SWC cable to the ONST-11B module and the 3.5mm plug to the aftermarket radio SWC port or use the Blue/Yellow wire for JVC and Kenwood radios.

SELECTING THE AUDIO SYSTEM

If the vehicle is equipped with an amplified audio system, the ONST-11B has a built-in audio level adaptor that outputs the proper audio level from the aftermarket radio to the factory amplifier. To use this feature, plug in the male 8-pin connector on the ONST-11B harness to the GRAY female 8-pin connector on the ONST-11B module. The module is also labeled "Bose" and "Non Bose" to avoid confusion. (see picture below)

If the vehicle is NOT equipped with a factory amplified system, plug in the male 8-pin connector to the BLACK female 8-pin on the ONST-11 B module.



NON BOSE
(Non-Amplified)
Connection

BOSE
(Amplified)
Connection

CHIME VOLUME ADJUSTMENT

The ONST-11 B has a potentiometer to adjust the chime volume. It is set at half way by default. To adjust the volume, simply use a suitable screw driver and turn the potentiometer clockwise to increase the volume and counter-clockwise to decrease the volume.



Chime
Volume
Adjustment

VEHICLE APPLICATIONS

CHEVROLET

2007-2010 Cobalt

2006-2011 HHR

2008-2012 Malibu

PONTIAC

2007-2010 G5

2009-2010 G6*

2006-2010 Solstice

SATURN

2007-2010 Aura

2007 Ion

Sky

*NOTE: If the 2009 G6 has two knobs on the radio, please use part# ONST-ILC instead.

Compatible Radio

- 2009 Pontiac G6



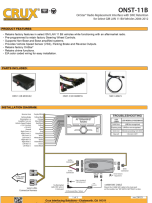
- 2009 Chevrolet Malibu



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Documents / Resources

	CRUX ONST-11B Wiring Interface [pdf] Owner's Manual ONST-11B Wiring Interface, ONST-11B, Wiring Interface, Interface
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References

- [C CRUX Interfacing Solutions](http://www.cruxinterfacing.com)

